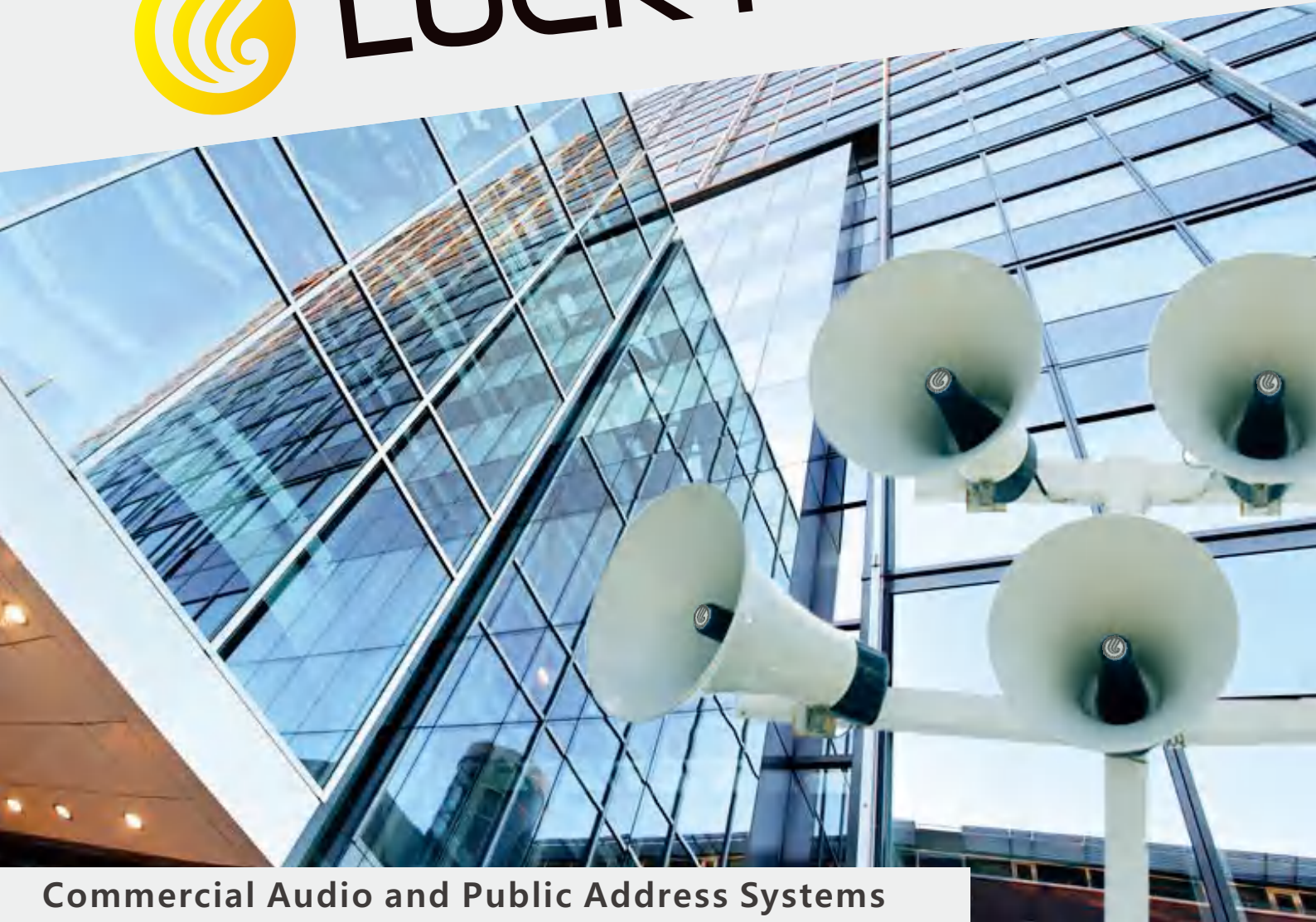




Professional
LUCKY TONE



Commercial Audio and Public Address Systems

Lucky Tone Professional

-  Good product guarantee
-  Total solution from small venue to large complex
-  One stop purchase with professional consultancy and service
-  Strong customization capability
-  Sophisticate R & D resources



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Compro-60 USA / 80 USA Compact PA Amplifier
Description:

For background/foreground music and paging applications, Compro series all-in-one amplifier is designed to deliver premium sound, provide simplified set up and easy daily operation, and offer the flexibility to expand when more loudspeakers are required.

This amplifier series integrates Mp3, Bluetooth, FM tuner, TF card, record, echo, paging and amplification for a wide range of commercial applications such as retail stores, restaurants and bars, hospitality venues, conference rooms, schools and auxiliary zones.


Features:

- ▶ Amplification for premium sound from a reliable, high quality Class-D amplifier provides optimized performance and premium sound quality
- ▶ With Record function, can record in the USB drive and play.
- ▶ Microphone priority function to mute the BGM in paging status.
- ▶ Individual music and microphone paging volume controls.
- ▶ Bass, treble, and echo controls
- ▶ With built-in Mp3 supports many audio format like Mp3,WMA, WAV, APE, FLAC etc.
- ▶ 4 Ohm and 100V line outputs optional.
- ▶ Emergency 12-24VDC battery back up function, or use in car for vehicle amplifier.

Ordering code:

Compro-60USA; 60W 100-240VAC Power supply

Compro-80USA; 80W 100-240VAC Power supply

Model	Compro 60 USA / Compro 80 USA
Rated Output Power	Max 60W, RMS 30W / Max 80W, RMS 40W
Power Supply Voltage	~100-240V, 50/60Hz
Power Consumption	<40W/50W
Speaker Output	100V / 4Ω
Frequency Response	20~20KHz (+1dB ~ -3dB) at 4ohms
SNR	>89dB (with A-Weight)
Nonlinear Distortion	<1% (at 1/3 rated power, 1kHz)
Microphone input	30mV, 600Ω, balanced input
Auxiliary input	+6dBu, 10KΩ, unbalanced input
VOL. Range	Bass:100Hz(±10dB), Treble:12KHz(±10dB)
Mute Function	MIC over other inputs
Function Controls	1 × power switch, 1 × input source selection switch 1 × music volume knob, 1 × bass knob, 1 × treble knob, 1 × MIC volume knob 1 × echo knob, 1 × record key, 1 × cycle key, 1 × prev key, 1 × next key, 1 × pause key
Working Temperature	-10° C ~+80° C
Cooling	Heat sink Style
Product Dimension (WxHxD)	280 × 62 × 185 mm
Package Dimension (WxHxD)	345 × 110 × 250 mm
Net Weight	1.8kg
Gross Weight	2.2kg

Compro Pack

Set sell offer



Mixer Amplifier

Mixer Amplifier

Description:

The MPro-30/60 amplifiers are comprehensive, all-in-one desktop type mixer-amplifier solutions for commercial and industrial applications. These low-cost units provide all necessary features in a simple building.

Features:

- ▶ Three line and two microphone inputs with Euro block and RCA jack.
- ▶ Acceptable wide range input level.
- ▶ 30Watts(MPro-30) / 60Watts(MPro-60) / 120Watts(MPro-120) output.
- ▶ Advanced protection system includes current limiting, over current and thermal protections.
- ▶ Desktop type
- ▶ Two bands tone controls
- ▶ Low distortion and low noise level
- ▶ Compact size and light weight
- ▶ Ideal commercial and industrial use



Functions:

- ▶ Controls
 - Front : 3 Channel Volume Control & Tone Control, Master Volume Control.
 - Rear : Line/MIC selector, Talkover level volume, Phantom Switch ,Ground lift Switch, Message play and stop.
- ▶ Connectors
 - Euro Block for Channel 1-2 Input and USB.
 - RCA and AUX phone for Channel 3 Input.
 - Euro Block for Speaker Output and FM antenna input.
- ▶ Message play : playback the recorded message with micro sd card on the rear panel.
- ▶ Media Player : MP3 play, Record to USB memory, Bluetooth, FM.
- ▶ Indicators : Power, Signal, -10dB, Clip and Protect.
- ▶ Protection : Current Limiting, Thermal & DC Offset Protection.
- ▶ Cooling : Convection Cooling.

Model	Mpro-30	Mpro-60	Mpro-120
Rated Output Power	30W	60W	120W
Input sensitivity / Impedance	MIC: -50dB/600ohm Balanced Line: -6dB/10kohm Unbalanced		
Power Supply Voltage	AC110-240V 50/60Hz		
Power Consumption	65W	95W	165W
Speaker Output	100V(333Ω), 70V(163Ω), 4Ω(11V)	100V(166Ω), 70V(82Ω), 4Ω(15V)	100V(83Ω), 70V(41Ω), 4Ω(22V)
Frequency Response	80Hz 17KHz (+1dB /-3dB)		
S/N Ratio	>80dB (with A-Weight)		
T.H.D	1% at rated power, 1kHz)		
Working Humidity	90%		
Auxiliary input	-6dBu/10KΩ, Unbalanced input		
Tone Controls	Bass:100Hz(±10dB), Treble:10KHz(±10dB)		
Mute Function Priority	SD Card > CH1 VOX > CH1, CH2, CH3, Media Player		
Working Temperature	0 °C~+40 °C		
Product Dimension (WxHxD)	280x60x200 mm		
Net Weight	2.1kg	2.5kg	3.3kg

MA Series Mixer Amplifiers
Cost Effective Mixer Amp with 5 inputs

MA-70	@ 70W RMS Power
MA-130	@ 130W RMS Power
MA-260	@ 260W RMS Power
MA-360	@ 360W RMS Power


Description:

Highly flexible mixer amplifiers available at 70, 130, 260 and 360W RMS power and equipped with all necessary microphone and aux inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.

Features:

- ▶ Mic 1 with priority in the front
- ▶ 3 microphone and 2 auxiliary inputs
- ▶ 1 line output
- ▶ 100V, 70V and 4-16 Ohms transformerisolated speaker outputs
- ▶ Automatic mute function for paging and announcements
- ▶ Individual input gain controls with master volume control
- ▶ EMC Microphone with priority
- ▶ Bass and treble tone controls
- ▶ LED level meter
- ▶ Speaker output short circuit protection

Model	MA-70	MA-130	MA-260	MA-360
Rated Power Output	70W	130W	260W	360W
Output Regulation	Less than 3 dB (no load to full load)			
Frequency Response	60 – 15,000 Hz, +/- 3dB			
THD	Less than 0.5% at 1kHz (1/3 Rated Power)			
S/N Ratio	Better than 73dB			
Tone Controls	BASS: 100 Hz (+/- 10dB), TREBLE: 12k Hz (+/- 10dB)			
Controls	5 input gain, 1 treble, 1 bass, 1 mute, and power switch			
Cooling	Internal 12VDC fan, extensive heat sinking			
Indicators	Power indicator LED, LED output level meter 0, 2, 4, 6, 8, 10dB			
Protection	Fuse: T2.0A	Fuse: T4.0A	Fuse: T6.0A	Fuse: T8.0A
	Current limiter, short circuit and thermal protection circuits			
Power Consumption	115W	215W	435W	600W
Power Requirments	220-240V AC, 50/60 Hz			
Dimensions	89(H) x 483(W) x 366(D) mm			
Built-in Dimensions	2 U rack 19 inch			
Carton Dimensions	185(H) x 520(W) x 435(D) mm			
Net Weight	10.04kg	11.36kg	13.68kg	14.08kg
Gross Weight	11.72kg	13.02kg	15.32kg	15.70kg
Color	Panel: steel plate, black Case: steel plate, black			

REAR PANEL



Mixer Amplifier

MA Series Mixer Amplifier with Audio Sources

Cost Effective Mixer Amp with Built-in USB, SD, AUX, Tuner and Bluetooth



MA-70T @ 70W RMS Power
MA-130T @ 130W RMS Power
MA-260T @ 260W RMS Power
MA-360T @ 360W RMS Power



Description:

Highly flexible mixer amplifiers available at 70, 130, 260 and 360W RMS power and equipped with all necessary microphone and aux inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.

Features:

- ▶ Mic 1 with priority in the front
- ▶ 3 microphone and 2 auxiliary inputs
- ▶ 1 line output
- ▶ 100V, 70V and 4-16 Ohms transformer isolated speaker outputs
- ▶ Automatic mute function for paging and announcements
- ▶ Individual input gain controls with master volume control
- ▶ EMC Microphone with priority
- ▶ Bass and treble tone controls
- ▶ LED level meter
- ▶ Speaker output short circuit protection

Model	MA-70T	MA-130T	MA-260T	MA-360T
Rated Power Output	70W	130W	260W	360W
Output Regulation	Less than 3 dB (no load to full load)			
Frequency Response	60 – 15,000 Hz, +/- 3dB			
THD	Less than 0.5% at 1kHz (1/3 Rated Power)			
S/N Ratio	Better than 73dB			
Tone Controls	BASS: 100 Hz (+/- 10dB), TREBLE: 12k Hz (+/- 10dB)			
Controls	5 input gain, 1 treble, 1 bass, 1 mute, and power switch			
Cooling	Internal 12VDC fan, extensive heat sinking			
Indicators	Power indicator LED, LED output level meter 0, 2, 4, 6, 8, 10dB			
Protection	Fuse: T2.0A	Fuse: T4.0A	Fuse: T6.0A	Fuse: T8.0A
	Current limiter, short circuit and thermal protection circuits			
Power Consumption	115W	215W	435W	600W
Power Requirements	220-240V AC, 50/60 Hz			
Dimensions	89(H) x 483(W) x 366(D) mm			
Built-in Dimensions	2 U rack 19 inch			
Carton Dimensions	185(H) x 520(W) x 435(D) mm			
Net Weight	10.04kg	11.36kg	13.68kg	14.08kg
Gross Weight	11.72kg	13.02kg	15.32kg	15.70kg
Color	Panel: steel plate, black Case: steel plate, black			

REAR PANEL



Class D Mixer Amplifier with Audio Sources

Description:

Highly flexible mixer amplifiers available at 120, 240, 350 and 500W RMS power and equipped with all necessary microphone and aux inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.

Mixer Amp with Built-in USB/SD/AUX/Tuner/Bluetooth
High performing

MA-120AD @ 120W RMS Power

MA-240AD @ 240W RMS Power

MA-350AD @ 350W RMS Power

MA-500AD @ 500W RMS Power


Features:

- ▶ Priority:EMC > MIC1 > MIC2, MIC3, AUX1, AUX2
- ▶ 4 microphone and 2 auxiliary inputs
- ▶ With Phantom power supply to mics
- ▶ 100V and 4-16 Ohms rear panel switchable speaker outputs
- ▶ Automatic mute function for paging and announcements
- ▶ Individual input gain controls with master volume control
- ▶ Mp3/TUNER/Bluetooth module with screen display
- ▶ Light weight design
- ▶ Standard 1U 19 inch size with detachable mounting ears
- ▶ Speaker output short circuit protection

Model	MA-120AD	MA-240AD	MA-350AD	MA-500AD
Rated Power Output	120W	240W	350W	500W
Output	100V or 4 - 16 ohm switchable			
Frequency Response	60 - 16,000 Hz, +/- 3dB			
THD	Less than 0.5% at 1kHz (1/3 Rated Power)			
S/N Ratio	Better than 80dB			
Tone Controls	BASS: 100 Hz (+/- 10dB), TREBLE: 10k Hz (+/- 10dB)			
Controls	All input gain, 1 treble, 1 bass, 1 mute, and power switch			
Cooling	Internal 12VDC fan, extensive heat sinking			
Indicators	Power indicator LED, PROT, 100V, 4-16 OHM, CLIP, SIG			
Protection	Current limiter, short circuit and thermal protection circuits			
Power Consumption	170W	340W	500W	720W
Power Requirements	220-240V AC, 50/60 Hz			
Dimensions	44.5(H) x 483(W) x 330(D) mm			
Built-in Dimensions	1 U rack 19 inch			
Net Weight	5.6kg	5.6kg	5.7kg	5.7kg
Color	Panel: Aluminium plate, black Case: steel plate, black			

Mixer Amplifier

Class D Mixer Amplifier with Audio Sources



Mixer Amp with Built-in USB/SD/AUX/Tuner/Bluetooth and optional DSP / Dante Network

MA-120TD @ 120W RMS Power
MA-240TD @ 240W RMS Power
MA-350TD @ 350W RMS Power
MA-500TD @ 500W RMS Power

Note:

MA-TD DANTE:

Optional Dante Audio module for MA-120TD series to Order

MA-TD DSP:

Optional DSP module for MA-120TD series to Order

MA-TD IP:

Optional IP module for MA-120TD series to Order

MA-TD SIP:

Optional SIP module for MA-120TD series to Order



MA-TD DANTE



MA-TD DSP



MA-TD IP / MA-TD SIP



Description:

Highly flexible mixer amplifiers available at 120, 240, 350 and 500W RMS power and equipped with all necessary microphone and aux inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.

Features:

- ▶ Priority: EMC > MIC1 > MIC2, MIC3, AUX1, AUX2
- ▶ 4 microphone and 2 auxiliary inputs
- ▶ 1 Dante Audio and 1 DSP control inputs
- ▶ 100V and 4-16 Ohms rear panel switchable speaker outputs
- ▶ Automatic mute function for paging and announcements
- ▶ Individual input gain controls with master volume control
- ▶ Mp3/TUNER/Bluetooth module with screen display
- ▶ 24VDC backup power supply
- ▶ Standard 1U 19 inch size with detachable mounting ears
- ▶ Speaker output short circuit protection

Model	MA-120TD	MA-240TD	MA-350TD	MA-500TD
Rated Power Output	120W	240W	350W	500W
Output	100V or 4 - 16 ohm switchable			
Frequency Response	60 - 16,000 Hz, +/- 3dB			
THD	Less than 0.5% at 1kHz (1/3 Rated Power)			
S/N Ratio	Better than 80dB			
Tone Controls	BASS: 100 Hz (+/- 10dB), TREBLE: 10k Hz (+/- 10dB)			
Controls	All input gain, 1 treble, 1 bass, 1 mute, and power switch			
Cooling	Internal 12VDC fan, extensive heat sinking			
Indicators	Power indicator LED, PROT, 100V, 4-16 OHM, CLIP, SIG			
Protection	Current limiter, short circuit and thermal protection circuits			
Power Consumption	170W	340W	500W	720W
Power Requirements	220-240V AC, 50/60 Hz; 24VDC			
Dimensions	44.5(H) x 483(W) x 330(D) mm			
Built-in Dimensions	1 U rack 19 inch			
Net Weight	5.6kg	5.6kg	5.7kg	5.7kg
Color	Panel: Aluminium plate, black Case: steel plate, black			

6-Zone Mixer Amplifier with Volume Control

Description:

This series of commercial grade mixer power amplifier deliver clean and powerful sound with reliable performance. Ranging from 70W to 650W RMS power, with built-in 6-zone speaker selector and individual volume controller for each zone. These highly flexible mixer amplifiers designed for a wide variety of voice and background music applications such as restaurants, bars, stores and any small-medium size installations.

Features:

- ▶ With built-in USB/Bluetooth/Tuner/SD card
- ▶ Flexible power rating of 70/130/260/360/500/650W
- ▶ With 3 MIC inputs, 2 AUX inputs and 1 Line output
- ▶ 100V, 70V and 4-16Ohms transformerisolated speaker outputs
- ▶ Independent gain control for each zone
- ▶ Separate BASS and TREBLE control



Steady and powerful performance

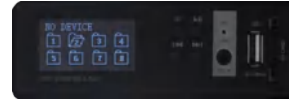
Model	MZ-200BT	MZ-300BT	MZ-600BT	MZ-1000BT	MZ-2000BT	MZ-3000BT
Rated Power Output	70W	130W	260W	360W	500W	650W
Amplification	Analog 100V Transformer Type					
Output	100V, 70V and 4-16 Ohms					
Frequency Response	60 - 15KHz, +/- 3dB					
THD	Less than 0.5% at 1KHz (1/3 Rated Power)					
S/N Ratio	Better than 85dB					
VOL Range	BASS: 100Hz (± 10dB), TREBLE: 12kHz (± 10 dB)					
Controls	Gain controls and power switch					
Cooling	Internal 12VDC fan					
Indicators	Power and Level Indicators					
Power Consumption	110W	190W	365W	510W	720W	910W
Power Requirments	220-240V AC, 50/60 Hz					
Dimensions	89(H) x 483(W) x 366(D) mm					
Built-in Dimensions	2 U rack 19 inch					
Carton Dimensions	185(H) x 520(W) x 435(D) mm					
Net Weight	12 kg	13.5 kg	15 kg	12 kg	13.5 kg	15 kg
Gross Weight	13.8kg	15.2 kg	17 kg	13.8kg	15.2 kg	17 kg
Color	Panel: aluminium, black Case: steel plate, black					

Mixer Amplifier

6-Zone Mixer Amplifier with Zone Volume Control



Mplayer A



Mplayer B



Mplayer C



Mplayer D

4 types of Media Player for you to choose to add to the Amplifier



Optional Mounts for assembly in 19 rack, Ordering code: RKM-01

Features

► Controls

Front : 4 Input Channel Volume Control and 1 selectable source input Volume contr., Master Volume Control, 6 Zone Speaker Selector with 6 step attenuator.

Rear : Talkover Switch (VOX) & Phantom Power Switch for Channel 1-4. Chime enable with volume control.

Bypass contact input & system mute.

► Connectors

Input : Channel 1 - 4 : Electronically Balanced with chime switch.

Aux : Dual RCA.

Remote Mic : RJ45.

Emergency Alarm input : Euro block.

Output : Speaker Output : Euro Block . Attenuated and Switched 6 CH, Direct Output 4Ω, 70V, 100V.

REC Out & Link out : RCA.

Contact : Ext. Chime : Euro block.

MUTE : Euro block.

► Media player module : MPlayer A / MPlayer B / MPlayer C.

► Indicators : SIG, -10dB, CLIP & Protect. Zone selector.

► Protection : Output Current Limiting, Thermal Protection & DC Offset Protection.

► Cooling : Convection Cooling.

► Option : Rack Mount Kit.



Model	Mpro-130	Mpro-240	Mpro-360	Mpro-480	Mpro-600
Input Sensitivity for full output at maximum gain					
Balanced Microphone Channels			-45dB ± 3dB		
Balanced Line Channels			-6dB ± 3dB		
Balanced Remote Mic Station			0dB ± 3dB		
Balanced EMC			0dB ± 3dB		
Unbalanced Link-Out / Rec-Out			0dB ± 3dB		
Unbalanced Aux-In			-6dB ± 3dB		
Frequency Response at 1 watt from speaker out tap, 100Hz~10kHz			+1.5/-3dB		
Tone Control 100Hz, 10KHz			± 10dB ± 3dB		
Signal to Noise Ratio at rated out			Less than 90dB		
Crosstalk at all control maximum			-70dB at 1kHz		
Rated Output Power at THD 0.5%	120W	600W	240W	360W	480W
Total Harmonic Distortion(THD) at 1kHz rated power			Less than 0.5%		
Phantom Power			+48VDC		
Power Band Width at 1kHz from speaker out tap		80Hz~15kHz with less than 0.5% THD			
DC Output Offset			Less than ±3mV		
Operating Temperature/Humidity at non-condensing			0°C~40°C at 95% humidity		
Cooling			Convection Cooled		
Dimensions (W/H/D)			420 mm X 88 mm X 320 mm		
Net Weight	8.72kg	9.76kg	10.8kg	11.2kg	12.2kg

Mplayer A

Front panel



Rear panel



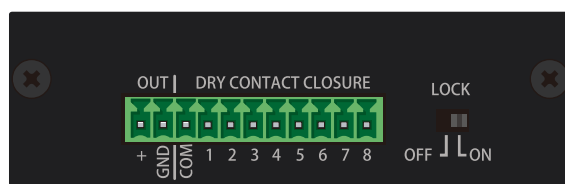
Internet radio, Bluetooth,
AUX input, USB, APP control

Mplayer B

Front panel



Rear panel



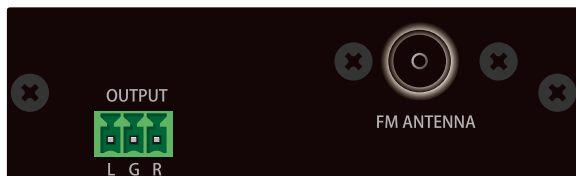
Voice Alarm REC & PLAY, USB, SD card
User recordable voice messenger
message triggered by 8 dry contacts closure

Mplayer C

Front panel



Rear panel



FM radio, Bluetooth, USB & SD card,
AUX input, IR Remote control

Mplayer D

Front panel



Rear panel



DAB+, Bluetooth, FM radio, USB

Media Player

1U 19-Inch Rack Mount Deck for Up to 3 Mplayers

Features:

Mplayer R can house up to 3pcs of media players with the functions of Bluetooth, FM, USB, SD, and recorded voice alarm messages

I record playback message and trigger by 4 dry contacts

Media Players can be freely combined

Mplayer A: Multi media player, support Internet radio, Bluetooth, AUX input, USB, APP control

Mplayer B: 8 record message trigger by 8 dry contacts

Mplayer C: Media Player, support Bluetooth, FM, USB and SD

MPlayer D: Media Player, support DAB/FM & Bluetooth

Connectors

Euroblock for audio output.

Euroblock for dry contact input.

MIC or LINE for REC input.

FM Antenna, 2.4GHz wireless Antenna,

Bluetooth Antenna.

DC 24V input.

Indicators: 2.0 inch TFT LCD, Power LED.

1pc
Combination



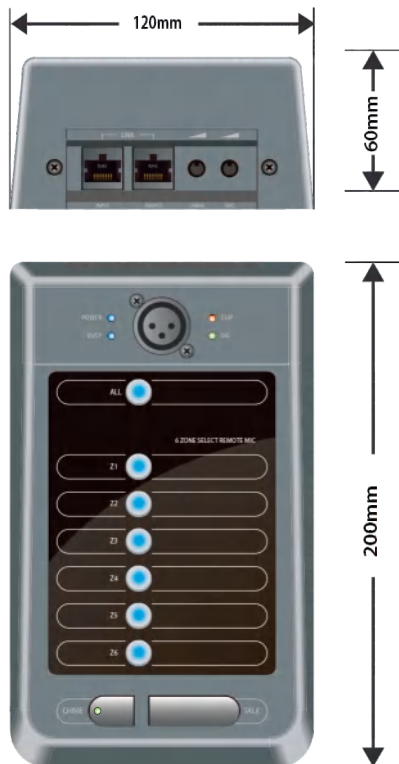
2pcs
Combination



3pcs
Combination



Model	Mplayer R
Power consumption	10 Watt
Power supply	110~240V AC / 50~60Hz DC 24V
Weight (Net)	3.82 kg
Dimensions (W x H x D)	483 x 44 x 110mm

6-Zone Paging Microphone for MPRO Series

Features:

- ▶ Controls
 - Zone selector switch, All & 6 Zone. Talk & Chime switch.
 - Level control volume. Slide switch for Lock.
- ▶ Connectors
 - RJ45 to connect with Model MPro-120 / 240 / 360.
- ▶ Indicators: Power, Signal, Clip.

Model	RM-6
Rated Output Level / Impedance	0dB / 600 Ω Balanced
Input sensitivity / Impedance	-36dB / 20k Ω Balanced
Frequency Response (-1dB)	80Hz - 15kHz
T.H.D	< 0.1%
SNR	> 90 dB
Hum&Noise	0dB
Number of Zone	6 Zone
Weight (Net)	1.2 kg
Dimensions (W x H x D)	140 x 60 x 205mm (only body)

Matrix Amplifier

Matrix Amplifier with Dynamic Power Sharing

Description

The MA Series Matrix Amplifiers with Dynamic Power Sharing are engineered for high efficiency, scalable performance, and maximum flexibility in commercial and professional installations. With power intelligently distributed across channels, these amplifiers ensure optimum usage of resources without exceeding maximum channel or total power limits.

Features

► Performance

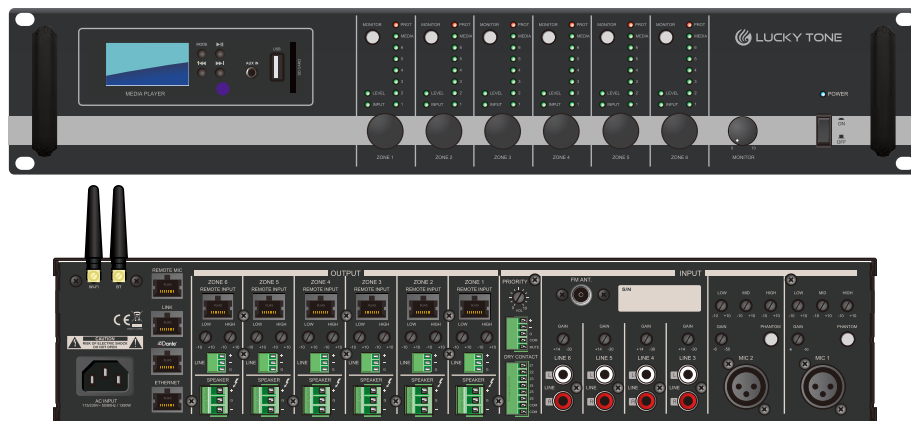
- Dynamic Power Sharing across all channels
- Flexible power allocation within defined per-channel and total limits
- Built-in matrix for versatile routing and zoning
- Built-in media player (MP3, Bluetooth, Internet Radio, Wi-Fi Audio streaming e.g. Spotify, FM radio)
- Built-in monitor speaker for easy local monitoring

► Integration

- 6-channel and 4-channel versions available
- Supports background music, paging, and emergency broadcast applications
- Remote control ready (wall panels, paging stations)

► Reliability

- Full protection: overload, short-circuit, overheating
- Low distortion and high S/N ratio
- 2U rackmount design for space efficiency



Model	MA-6612
Channel	6
Rated Power per Channel	500W or less
Total Power	720W or less
Output / Impedance	100V or 4ohm
Input sensitivity / Impedance	Mic Input - 50dB to - 6dB / 600 Balanced Line Input -30dB to +14dB / 20K Balanced Remote Input 0dB / 20K Balanced
Output level / Impedance	0dB / 600 Ω Balanced
Frequency Response (-3dB)	70Hz - 18kHz
T.H.D	< 1.0%
Crosstalk	70 dB
Equalization	Input: High: 12 kHz $\pm$ 10 dB / Mid: 2.5 kHz $\pm$ 10 dB / Low: 80 Hz $\pm$ 10 dB Output: High: 10 kHz $\pm$ 10 dB / Low: 100 Hz $\pm$ 10 dB
S/N Ratio	> 80 dB
Power Source	AC 115 / 230V, 50 to 60Hz
Net Weight	10.5kg
Dimensions (W x H x D)	483 x 88 x 440mm

Matrix Amplifier

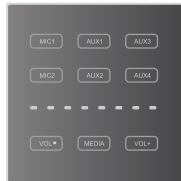
MA-6612C



WP-2A



WP-2C



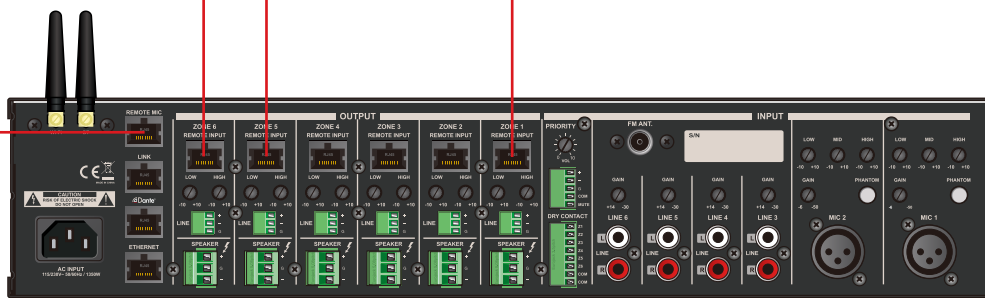
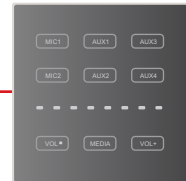
WP-2A



WP-2B



WP-2C



RM-8 PLUS



RM-8 PLUS



RM-8 PLUS



RM-8 PLUS

Mixer Amplifier

Class D Mixer Amplifier with Audio Sources, Dante and DSP

Description

This series of Amplifier is a multi-function network DSP digital High-Z and low-Z power amplifier which can remotely monitor the status of power amplifier, set compression Controller, limiter, noise gate, parametric equalization, matrix routing, delay and other DSP functions in real time. Simple software interface provides customers with simple setup and operation experience, and a variety of connection methods ensure its good configurability and expandability, suitable for various applications, such as performance center, theatre, gallery, hotel, conference center, shopping center, retail store, restaurant, etc.



Features

- Flexible Dante Network amplifier with DSP with both 100V line and 8ohm Software selectable
- Local analog audio input selection
- Built-in DSP digital processor
- Network TCP/IP control for multiple device management
- Support multiple on line modes: USB, TCP/IP, RS232, RS485
- Real-time remote monitoring of power amplifier working status
- Support balanced XLR input and unbalanced RCA input
- Support stereo, bridge, mono, free matrix mode, one-button switching

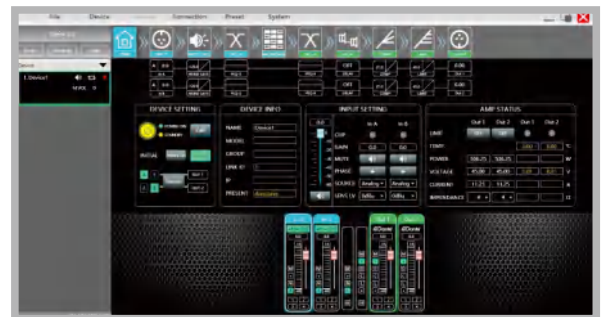
Ordering code:

MA-1000T V2
2X450W mixer amplifier with DSP

MA-1000TD V2
2X450W mixer amplifier with DSP and Dante

MA-2000T V2
4X450W mixer amplifier with DSP

MA-2000TD V2
4X450W mixer amplifier with DSP and Dante



Control software

Model	MA-1000T V2/MA-1000TD V2	MA-2000T V2/MA-2000TD V2
Output Power	2x450W at 4ohm / 1x600W at 8ohm bridged / 1x600W at 100V bridged / 1x350W at 70V bridged	4x450W at 4ohm / 2x600W at 8ohm bridged / 2x600W at 100V bridged / 2x350W at 70V bridged
Output	100V or 4 – 16ohm, DSP software selectable	
Frequency Response	20 – 20,000 Hz, +/- 0.5dB at 1W, 8ohm	
THD	Less than 0.1% at 1W to full load	
S/N Ratio	6dBu and 0dBu at 94dB	
Input EQ	15 Bands	
Output EQ	10 Bands	
Cooling	Internal 12VDC fan, extensive heat sinking	
Display	320*240 res, IPS colored	
Dante interface	2 Channel	
Power Requirements	100–264V AC, 50/60 Hz	100–246V AC, 50/60 Hz
Dimensions	44.5(H) x 483(W) x 300(D) mm	
Built-in Dimensions	1 U rack 19 inch	
Color	Panel: Aluminum plate, black; Case: steel plate, black	

4-CH Class-D Mixer Amplifier with Audio Sources, Dante and DSP

Description

MA-3600TD V2 is a multi-function network DSP digital High-Z and low-Z power amplifier. It can remotely monitor the status of power amplifier, set compression Controller, limiter, noise gate, parametric equalization, matrix routing, delay and other DSP functions in real time. Simple software interface provides customers with simple setup and operation experience, and a variety of connection methods ensure its good configurability and expandability, suitable for various applications, such as performance center, theatre, gallery, hotel, conference center, shopping center, retail store, restaurant, etc.



Control software

Features

- ▶ Supports dual backup functionality for digital and analog audio signals
- ▶ TCP/IP network control for managing multiple devices
- ▶ Remote power on/off functionality
- ▶ Built-in DSP digital processor
- ▶ Supports multiple connection methods: USB, TCP/IP, RS232, RS485
- ▶ Real-time remote monitoring of amplifier status
- ▶ On-site amplifier identification via software
- ▶ Supports balanced XLR input and Spoken output
- ▶ Stereo, bridge, mono, and free matrix modes with one-click switching
- ▶ Adjustable input sensitivity: 0dBu (0.775V)/6dBu (1.546V)/12dBu (3.084V), set via software
- ▶ Power-on state can be set to Power On/Standby
- ▶ Supports both constant voltage (100V, 70V) and low impedance (8 ohms, 4 ohms)
- ▶ Software control allows simultaneous management of media matrix and professional processors
- ▶ Supports multiple control methods: TCP/IP, RS232, RS485, USB
- ▶ Equipped with FIR phase correction, 4 channels with 2048 taps each
- ▶ Dual network ports allow for controlling up to 5 devices
- ▶ Supports AES/EBU input



Model	MA-3600T V2	MA-3600TD V2
Type	4-CH Amplifier with DSP	4-CH Amplifier with DSP and Dante
Output Power	4*900W at 4ohm; or 4*600W at 8ohm, or 4*300W at 16ohm. Switchable to 2*1250W at 100V, 2*615W at 70V	
Max. output voltage	69V	
Max. output current	15A	
Min. load output	4 Ω /channel	
Input connector	4*XLR	
Output connector	4*SpeakOn	
Max. input level	12dBu sensitivity (17dBu, 5.484V) 6dBu sensitivity (17dBu, 5.484V) 0dBu sensitivity (17dBu, 5.484V)	
Sensitivity	12dBu sensitivity (27dB) 6dBu sensitivity (33dB) 0dBu sensitivity (39dB)	
SNR	12dBu sensitivity (103dB) 6dBu sensitivity (98dB) 0dBu sensitivity (93dB)	
Frequency response	20Hz to 20kHz (± 0.5 dB) @1W, 8 Ω	
THD+N	<1%@1W, 8 Ω	
Sampling	48k / 24bit	
Dante in option	4 input channels	
Display	320*240 IPS colourful display	
Protections	DSP limiter, high temperature, DC, high frequency, short circuit, back EMF, peak current limiter, Back EMF, Surge current limiter, startup delay, power circuit breaker protection, power over voltage/under voltage protection	
Power requirement	AC100~240 50/60Hz	
Net weight/Gross weight	5.6kg/6.2kg	
Product size	483mm*309mm*44.5mm	
Package size	520mm*442mm*90mm	

Power Amplifier

4-Channel Amplifier with DSP

Description

PA Series is a multifunctional network DSP digital power amplifier, which can remotely monitor the status of the power amplifier in real time, and it can set the compressor, limiter, noise gate, parametric equalization, matrix routing, delay as well as other DSP functions in real time. A simple software interface provides customers with simple and convenient settings and operating experience. Besides, the multiple connection methods can achieve good configurability and scalability, which is suitable for various environments.



Features

- ▶ Optional for Dante network audio
- ▶ With network TCP/IP control, and it can realize the management of multiple devices
- ▶ Power on or off remotely
- ▶ Use 4.3 inch IPS capacitive touch screen
- ▶ With built-in DSP digital processor
- ▶ Support multiple connection method: USB, TCP/IP, RS232, RS485
- ▶ Monitor the working status of the power amplifier remotely in real time
- ▶ The power amplifier can be identified by software on site
- ▶ Switch to bridging or matrix mode freely
- ▶ Three levels of input sensitivity can be adjusted 0dBu/6dBu/12dBu, software or color LCD screen setting
- ▶ With standard FIR function, support 4 × 2048 Taps
- ▶ Support constant voltage and constant resistance: 100V, 70V, 8ohms, 4 ohms
- ▶ Software control, it can control media matrix and professional processor at the same time
- ▶ Wide voltage operation 180-264VAC



Ordering code

PA-41500TDV2

4*1500W@8Ω, 4*2000W@4Ω, 100V (4*1250W); 70V(4*600W); Amplifier with DANTE AND DSP

PA-41500TV2

4*1500W@8Ω, 4*2000W@4Ω, 100V (4*1250W); 70V(4*600W); Amplifier with DSP

PA-41000TDV2

4*1000W@8Ω, 4*1800W@4Ω, 100V (2*1250W); 70V(4*600W); Amplifier with DANTE AND DSP

PA-41000TV2

4*1000W@8Ω, 4*1800W@4Ω, 100V (2*1250W); 70V(4*600W); Amplifier with DSP

PA-4800TDV2

4*800W@8Ω, 4*1600W@4Ω, 100V (2*1250W); 70V(4*600W); Amplifier with DANTE AND DSP

PA-4800TV2

4*800W@8Ω, 4*1600W@4Ω, 100V (2*1250W); 70V(4*600W); Amplifier with DSP

Applications

- Performing Arts Center
- Gym
- Conference
- Retail Store
- Opera
- Hotel
- Shopping Mall
- Restaurant

Model	PA-41500TV2	PA-41000TV2	PA-4800TV2
Channels	4	4	4
Rated power	4*1500W@8Ω, 4*2000W@4Ω, 100V (4*1250W); 70V(4*600W);	4*1000W@8Ω, 4*1800W@4Ω, 70V(4*600W)	4*800W@8Ω, 4*1600W@4Ω, 70V(4*600W)
Bridge power	2*3200W@8Ω	2*3200W@8Ω; 100V(2*1250W)	2*3200W@8Ω; 100V(2*1250W)
Minimum output impedance	4Ω for each channel	4Ω for each channel	4Ω for each channel
Input	Balanced input, 4*XLR	Balanced input, 4*XLR	Balanced input, 4*XLR
Output	4*Spoken; 4*Terminal	4*Spoken; 4*Terminal	4*Spoken; 4*Terminal
Maximum input level	20dBu/7.75V	20dBu/7.75V	20dBu/7.75V
Sensitive	12dBu:31dB/6dBu:37dB/0dBu:43dB	12dBu:29.3dB/6dBu:35.3dB/0dBu:41.3dB	12dBu:28.3dB/6dBu:34.3dB/0dBu:40.3dB
Signal to noise ratio	103dB@12dBu/ 1kHz	103dB@12dBu/ 1kHz	103dB@12dBu/ 1kHz
Frequency	20Hz ~20kHz (±0.5dB) @1W, 8Ω	20Hz ~20kHz (±0.5dB) @1W, 8Ω	20Hz ~20kHz (±0.5dB) @1W, 8Ω
THD+N	<0.08%@1W	<0.08%@1W	<0.08%@1W
Sampling rate	48k/24bit	48k/24bit	48k/24bit
Dante (Optional)	4 Dante channels	4 Dante channels	4 Dante channels
Display	4.3 inch IPS capacitive touch screen	4.3 inch IPS capacitive touch screen	4.3 inch IPS capacitive touch screen
Protection	Audio limiter, high temperature, DC, high frequency, short circuit, back-EMF, peak current limiter, inrush current limiter, start-up delay, power circuit breaker protection, power supply overvoltage/undervoltage protection		
PC software	Software can control media matrix, audio processor, DSP power amplifier, active DSP module		
Power supply	180-264VAC	180-264VAC	180-264VAC

All-In-One Digital Amplifier with DSP

Description

MA-2150V2+/MA-4150V2+ DSP Amplifier represents a breakthrough in audio technology, seamlessly integrating powerful amplification with advanced digital signal processing capabilities. With 16 built-in presets, each customizable to meet the specific requirements of users, this amplifier offers unparalleled flexibility and control over audio performance.

Features:

- **Flexible Configuration:** MA-2150V2+/MA-4150V2+ enables configuration and control of DSP hardware, empowering users to tailor settings to their exact specifications.
- **Versatile Presets:** Featuring 16 presets, meticulously crafted to cater to diverse audio environments, ensuring optimal performance in any scenario.
- **Comprehensive DSP Functionality:** As a fully functional DSP amplifier, it allows for the editing of processing modules, parameter adjustments, and peripheral accessory settings, including RS232, RS485, and drag-and-drop panel configuration.
- **User-Friendly Operation:** Featuring an intuitive drag-and-drop panel configuration, it ensures hassle-free operation, even for novice users.



Model	MA-2150V2+	MA-4150V2+
Output Power	2x150W@8Ω bridged 300W@8Ω	4x150W@8Ω bridged 300W@8Ω
Processor	ADI SHARC 21489	
Sample Rate/Quantization Bits	48K/24bit	
Input Gain	0/6/12/18/24/30/36/42/48dBu	
Phantom Power	+48V/10mA max	
Frequency Response	20~20KHz±0.5dB	
Maximum Level	+18dBu	
THD+N	<-95dB @17dBu	
Input/ Output Dynamic Range	113dB	
Channel Isolation @1kHz	108dB	
Input Impedance (balanced connection)	5.4KΩ	
Output Impedance (balanced connection)	600Ω	
Input Sensitivity Ratio	2V	
Frequency Response	20Hz-20kHz(±0.5dB)@1W,8Ω	
SNR	>80dB(20Hz-20kHz, A-weighted)	
Crosstalk Isolation	80dB@1kHz	
THD+N	< 0.08% from 0.1W to 1/2 power (typically <0.05%)	
DIM100	< 0.2% from 0.1W to 1/2 power (typically <0.05%)	
Input Impedance	4.5kΩ balanced	
Operating Power	AC220V 5Hz-60Hz	
Conversion Ratio	50V/μs@8Ω, input filter bypassed	
Damping Coefficient	>500@1KHz	
Product Size(W*D*H)	482 x 260 x 45mm	
Net Weight	6KG	

Conference System

Components

Description

1. MA-2150V2+/MA-4150V2+ 2-CH/4-CH Class D Amplifier

Engineered with state-of-the-art DSP settings, our amplifiers deliver unparalleled performance, ensuring crystal-clear sound reproduction and optimal control over audio dynamics.

2. HG MIC2 Overhead Dual Capsule Microphone

Perfectly suited for speech reproduction, our overhead microphone boasts dual capsules for enhanced clarity and precision, capturing every nuance with exceptional fidelity. Whether addressing a crowded conference room or conducting a lecture in a classroom, this microphone ensures your voice is heard with utmost clarity.

3. WP-660LW 6.5-inch 60W High Fidelity Speaker

Designed for versatility, our high-fidelity speaker caters to diverse audio needs. With superior sound quality and robust construction, this speaker delivers immersive audio experiences for both music and speech, making it an ideal choice for conferences, classrooms, and various professional settings.

4. LA-100LW Ferrite Unit Array Acoustic Column Speaker

Designed for small and medium-sized video conference rooms, digital courts, conference centers, lecture halls, other language-based sound reinforcement systems, and background music systems for various architectural spaces such as churches, museums, transportation hubs, and public areas in squares. This model solves a typical problem that the column speaker of the is too large to put on the wall, and it also looks not beautiful and tidy.

Experience unparalleled audio performance and reliability with our All-in-One Conference & Classroom Amplification Kit. Elevate your presentations, lectures, and events with pristine sound quality and unparalleled clarity.

Classroom Kit: DSP amplifier+Overhead microphone+ WP-660LW wall speaker*2

Conference Kit: DSP amplifier+Overhead microphone+ LA-100LW column speaker*2



Model

Wall Speaker WP-660LW

Rated Power	60W@8 ohm
SPL(1W/1M)	89dB
Max SPL@ 1M	107dB
Freq. Response	60Hz~18KHz
Speakers	1" x1 (TREBLE) 6"x1(BASS)

Column Speaker LA-100LW

Rated power	120W@8ohm
Maximum SPL	123dB
Frequency response	150Hz~14kHz, -6dB/ 80Hz~20kHz, -10dB
Diffusion angle (-6dB)	vertical >20° , horizontal >120°
Speaker driver	4x3" Ferrite

Overhead Microphone HG MIC2

Directivity	Hyper cardioid
Impedance	200Ω
Max. input SPL	141dB SPL, 1kHz at 1% T.H.D.
Voltage	48 V

Power Amplifier

Description:

The HA series amplifiers are comprehensive, all-in-one desktop type mixer-amplifier solutions for commercial and industrial applications. These low-cost units provide all necessary features in a simple building.

Features:

- ▶ Two line inputs with Euro block and RCA jack.
- ▶ Acceptable wide range input level.
- ▶ 60Watts ~ 480Watts output.
- ▶ Advanced protection system includes current limiting, over current and thermal protections.
- ▶ Desktop type with rack mount bracket
- ▶ Two bands tone controls
- ▶ Low distortion and low noise level
- ▶ Compact size and light weight
- ▶ Ideal commercial and industrial use

Functions:

- ▶ Controls
 - Front: 2 Channel Volume Control & Tone Control .
 - Rear: Parallel selector, 100V/8ohm selector, HPF Switch.
- ▶ Connectors
 - Euro Block for Channel 1-2 Input and link output.
 - RCA for Channel 1-2 Input.
 - Euro Block for Speaker Output.
- ▶ Indicators : Power, Signal, Signal, Clip and Protect.
- ▶ Protection : Current Limiting, Thermal & DC Offset Protection.
- ▶ Cooling : FAN Cooling.



2*240W at 8ohms, Bridge 100V at 1*480W



4*240W at 8ohms, Bridge 100V at 2*480W

1PC Rack Mount:

HA-BRC



2PCs Combined Rack Mount:

HA-BRC2



Model	HA-160/260	HA-1120/2120	HA-1250/2250	HA-1500/2500
Rated Power at 8ohm	2x30W/4x30W	2x60W/4x60W	2x120W/4x120W	2x240W/4x240W
Bridged Power at 100V	60W/2x60W	120W/2x120W	240W/2x240W	480W/2x480W
Input sensitivity / Impedance	-0dBu/10kohm Unbalanced / Balanced			
Power Supply Voltage	AC 100-120V, 50/60Hz or AC220-240V, 50/60Hz			
Power Consumption	105W/195W	195W/360W	325W/635W	588W/1120W
Speaker Output	100V / 8Ω			
Frequency Response	80Hz~17KHz (+1dB /-3dB)			
S/N Ratio	>80dB (with A-Weight)			
T.H.D	<1% (at rated power, 1kHz)			
Working Humidity	90%			
Output Channel	1 or 2 channel			
Tone Controls	Bass:100Hz(±10dB), Treble:10KHz(±10dB)			
Working Temperature	0°C~+40°C			
Product Dimension (WxHxD)	215*44*330 mm (Half-Rack)			
Net Weight	3.5kg	3.3kg	3.3kg	3.3kg

Power Amplifier

2/4-Channel Class D Power Amplifier

PD-2/PD-4 Series

High efficient design can boost up to 2000W in high impedance 100V line with low energy consumption

Description

Highly flexible class D amplifiers available at 60W, 120W, 240W, 350W and 500W RMS Power, 4 channels respectively, and equipped with phoenix inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.



Features

- ▶ High efficient at 80 to 90% conversion rate
- ▶ Light weight and compact 1U design
- ▶ Grounding connection
- ▶ Reliability. High quality electronic components and each channel has separated isolation to ensure one fail will not affect others.
- ▶ Individual volume control for each channel
- ▶ LED level meter
- ▶ Speaker output short circuit protection

Model	PD-260 V2 PD-460 V2	PD-2120 V2 PD-4120 V2	PD-2240 V2 PD-4240 V2	PD-2350V2 PD-4350V2	PD-2500V2 PD-4500V2
Description	2/4 Channel Class-D Power Amplifier				
Rated Power at 100V	2/4x60W	2/4x120W	2/4x240W	2/4x350W	2/4x500W
Rated Power at 8 ohm	2/4x60W	2/4x120W	2/4x240W	2/4x320W	2/4x350W
Frequency Response	H Cut OFF 20Hz-20KHz (+1/-2dB) H Cut ON 70Hz-20KHz (+1/-3dB)				
Input	0.775V, 0dBu, balanced phoenix connector by four channels				
Input Impedance	10K Ω				
THD	<0.1% (1KHz/-3dBv, 100W)				
S/N Ratio	>80dB				
Crosstalk	>60dB, 1KHz, Max output				
Power Consumption	160W/300W	280W /550W	520W /1100W	750W /1650W	1050W/2100W
Power Supply	AC 100-240V, 50-60Hz				
Dimension	484x420x44 mm				
Weight	8.8Kg/11.2kg	7.0kg /8.3kg	7.3kg /8.8kg	7.8kg /9.2kg	8.2kg/9.8kg

Project Amplifiers with Media player

Controls

Front : 5 MIC and 2 AUX Input Volume Control, Tone Volume control and Master Volume Control.

Rear : 5 Phantom Power Switch and 5 Priority contact closure for MIC1-5, 2 Gain Control for AUX1-2. Emergency Input Volume Control and Priority contact closure, Ground Lifting Switch.

► **Connectors**

Input : 5 XLR Electric Balanced with Phantom power and 5 Euro block for Priority contact closure for MIC.
2 RCA Stereo for AUX.
1 RCA Unbalanced AMP IN.
1 Euro block Balanced Emergency Alarm input with Priority contact closure.

Output : 1 XLR Balanced Line output.
1 Euro block for Amplifier Output 4 Ω , 70V, 100V.
1 RCA Unbalanced PRE OUT.
1 Euro block for Surety Paging Relay.

► **Indicators :** SIG, -10dB, CLIP, Protect and Power.

► **Protection :** Output Current Limiting, Thermal Protection.

► **Cooling :** FAN Cooling.

Model	PM-120	PM-240
Rated Power (RMS)	120W	240W
Input sensitivity / Impedance	MIC 1-5	-50dB / 600 Ω Balanced
	Aux 1-2	-6dB / 20 k Ω Unbalanced
	Emergency Alarm	0dB / 10 k Ω Balanced
Output level / Impedance	Speaker Output	Hi-z 100V (83 Ω), 70V (42 Ω) 100V (42 Ω), 70V (21 Ω)
		Low-z 22V (4 Ω) 31V (4 Ω)
	PRE Out & AMP In	0dB / 20 k Ω Unbalanced
	Line Out	0dB / 10 k Ω Balanced
Frequency Respose (-3dB)	75Hz - 18kHz	
T.H.D (1kHz, Rated Power)	<1%	
Signal to Noise Ratio	>80dB	
Tone Control	$\pm$ 10dB 100Hz, 10KHz	
Power Source	AC 115 / 230 V, 50/60Hz	
Weight (Net)	9 kg	11 kg
Dimensions (W x H x D)	420 x 88 x 320mm	

Analog Power Amplifier

Powerful Booster Amplifier

Steady and powerful performance

PA-360W @ 360W RMS Power

PA-460W @ 460W RMS Power

PA-660W @ 660W RMS Power



► Description:

This range of amplifier is designed for commercial and industrial grade public address application. With efficiently components, it delivers 360 to 660 watts of clean, reliable audio for the most demanding public address applications.

Rugged and over-built to give years of dependable service, they are equipped with massive toroidal power transformers, extensive heat-sinking and fan cooling, protective circuits such as over-temperature, short circuit, RFI, clip, overload and soft start.

Features:

- Flexible power rating of 360/460/660W
- Master Volume control in the front
- 100V, 70V and 4-16 Ohms transformer isolated speaker outputs
- Combination XLR/RCA Line In and Line Out connectors
- LED status indicators
- Speaker output short circuit protection

Model	PA-360W	PA-460W	PA-660W
Rated Power Output	360W	460W	660W
Output Regulation	Less than 3 dB (no load to full load)		
Output	775V, 0dB, XLR and phone jack		
Frequency Response	60 – 16,000 Hz, +/- 3dB		
THD	Less than 0.5% at 1kHz (1/3 Rated Power)		
S/N Ratio	Better than 73dB		
Slew Rate	15V/uS		
Controls	Volume control and power switch		
Cooling	Internal 12VDC fan, extensive heat sinking		
Indicators	Power, Clip, Signal, Protect, and Temp LEDs		
Protection	AC Fuse: 10A	AC Fuse: 12A	AC Fuse: 15A
	Current limiter, short circuit and thermal protection circuits		
Power Consumption	485W	620W	880W
Power Requirements	220-240V AC, 50/60 Hz		
Dimensions	89(H) x 483(W) x 366(D) mm		
Built-in Dimensions	2 U rack 19 inch		
Carton Dimensions	185(H) x 520(W) x 435(D) mm		
Net Weight	15.12kg	17.66kg	20.8kg
Gross Weight	16.76kg	19.30kg	22.3kg
Color	Panel: steel plate, black Case: steel plate, black		

REAR PANEL



Powerful Booster Amplifier

Steady and powerful performance

PA-1000W @ 1000W RMS Power
PA-1500W @ 1500W RMS Power


► Description:

This range of amplifier is designed for commercial and industrial grade public address application. With efficiently components, it delivers 1000to 1500 watts of clean, reliable audio for the most demanding public address applications.

Rugged and over-built to give years of dependable service, they are equipped with massive torrodial power transformers, extensive heat-sinking and fan cooling, protective circuits such as over-temperature, short circuit, RFI, clip, overload and soft start.

Features:

- Flexible power rating of 1000W/1500W
- Master Volume control in the front
- 100V, 70V and 4-16 Ohms transformerisolated speaker outputs
- Combination XLR/RCA Line In and Line Out connectors
- LED status indicators
- Speaker output short circuit protection

Model	PA-1000W	PA-1500W
Rated Power Output	1000W	1500W
Output Regulation	Less than 3 dB (no load to full load)	
Output	775V, 0dB, XLR and phone jack	
Frequency Response	50 – 18,000 Hz, +/- 1.5dB	
THD	Less than 0.5% at 1kHz (1/3 Rated Power)	
S/N Ratio	Better than 105dB	
Slew Rate	40V/uS	
Controls	Volume control and power switch	
Cooling	Internal 12VDC fan, extensive heat sinking	
Indicators	Power, Clip, Signal, Protect, and Temp LEDs	
Protection	AC Fuse: 20A Current limiter, short circuit and thermal protection circuits	
Power Consumption	1350W	2000W
Power Requirments	220-240V AC, 50/60 Hz	
Dimensions	133(H) x 483(W) x 366(D) mm	
Built-in Dimensions	3 U rack 19 inch	
Carton Dimensions	185(H) x 520(W) x 435(D) mm	
Net Weight	25.0kg	27.0kg
Gross Weight	27.5kg	30.0kg
Color	Panel: steel plate, black Case: steel plate, black	

REAR PANEL



Professional Amplifier

Dual-Channel Analog Amplifier

Description

These professional E series amplifiers, provides from 2X100W up to 2X200W respectively at high efficiency are well recognized by various users. It is compact 1U size and surprisingly lightweight, making them easy to handle and install. With strong I-Power switch power supply maximize performance, a new generation of environmentally friendly products.



Model		E-2100	E-2200
Different mode	8 Ohm	100W*2	200W*2
	4 Ohm	150W*2	350W*2
	2 Ohm	180W*2	380W*2
SNR			
Frequency Response		20Hz-20KHz, $\pm 0.5\text{db}$	
THD		$\leq 0.3\%$, 1KHz, 1/3 Rate Power, 8 Ω	
Input Impedence		10K ,BALANCE/20K Ω , UNBALANCE	

8 Channel Power Amplifier
Features

- ▶ **Flexible Bridge/Stereo Modes:** Supports 4 × 300W at 4ohm & 8ohm bridged, offering high-power performance for various applications.
- ▶ **8-Channel Link Outputs:** Allows seamless signal distribution and easy system expansion.
- ▶ **8-Channel Balanced Line Inputs:** Ensures superior audio quality with balanced line inputs, reducing noise and interference.
- ▶ **Wide Frequency Response:** Delivers high-fidelity sound across a broad frequency range for optimal audio clarity.
- ▶ **Stereo Sound:** Delivers high-fidelity audio with precise stereo imaging.
- ▶ **Compact & Lightweight:** 1U rack size with a lightweight build for effortless installation and transport.



Model	D-8100
Output Power	8*100W at 8ohm stereo, 8*200W at 4ohm stereo, or 4*300W at 4&8ohm bridged
Input Sensitivity	0.775V
Frequency Response	20Hz-20KHz +1/-1dB
Input Impedance	20K Ω (BALANCE)/10K Ω (UNBALANCE)
THD+N	<0.1% @ 8 Ω 1KHz
Channel Isolation (1KHz)	60dB(8 Ω /1KHz)
Operating Voltage	AC 220V, 50Hz/60Hz
Power Fuse	10A
Slew Rate	28V/ μ s
Damping Factor	>350/8ohm
SNR(A-weighted)	100dB
Protection Circuit	Overload, Overheat, Short Circuit
Product Dimensions	482x237x44mm
Net Weight	4.28Kg

Power Amplifier

2/4-Channel 1U Rack-Mount Digital Power Amplifier

Description

Available in 2-channel and 4-channel models, this series of 1U Rack-Mount Digital Audio Power Amplifier features advanced full-bridge switching power supply and Class-D amplification technology, delivering high efficiency, low distortion, and stable performance. Ideal for professional audio, conference systems, and live venues.

Features

- **Full-Bridge Power Supply:** With imported magnetic transformer for strong anti-saturation capability, high efficiency, stable performance, and reduced weight.
- **Efficient Heat Dissipation:** Optimized airflow design with aluminum heat sinks and variable speed fans ensures reliable low-temperature operation.
- **Comprehensive Protection:** DC, overload, short circuit, and thermal protection, with built-in fuse and soft-start function to prevent current impact.
- **High Audio Quality:** Low distortion, wide frequency response, and low noise. Clear highs, smooth mids, and powerful lows, with clip limiter to protect speakers.

2 Channels



4 Channels



Model	D-2200	D-2300	D-2500	D-4200	D-4300	D-4500	
Channel Number	2 Channels			4 Channels			
Input	CH1-2: 20k Ω (Balanced) /10k Ω (Unbalanced)			CH1-2: 20k Ω (Balanced) /10k Ω (Unbalanced)			
Output	8 Ω	2X200W	2X300W	2X500W	4X200W	4X300W	4X500W
	4 Ω	2X300W	2X500W	2X650W	4X300W	4X500W	4X650W
	BRIDGE 8 Ω	600W	900W	1200W	2X600W	2X900W	2X1200W
Power Consumption	950W	1500W	2400W	1900W	3000W	4800W	
Frequency Response	20HZ-20KHZ +1/-1dB						
Total Harmonic Distortion	<0.1% @8 Ω 1KHZ						
Sensitivity	0.775V/1.4V						
S/N Rate	100dB						
LED Indicator	Protect (Red) / Clip (Yellow) / Signal (Green)						
Operating Temperature/ Humidity (at non-condensing)	0°C~+40°C (90% RH, non-condensing)						
Finish	Panel: Aluminium plate, silver and black; Case: steel plate, black						
Channel Isolation	60dB (8 Ω /1KHZ)						
Damping Factor	350: 1/8 Ω						
Slew Rate	28V/us						
Cooling	Exhaust fan cooling			Air flows from the left to the right			
Dimensions (WxDxH)	482x330x44mm						
Net Weight	4.2KG	4.3KG	4.5KG	5.2KG	5.3KG	5.5KG	

CH Series 2-Channel Power Amplifier
Features:

- ▶ 2U standard
- ▶ Large energy power supply , high-efficiency and super ring transformer
- ▶ With protection, signal, clip, bridge and power LED
- ▶ Lift and right channel with dual polar cooling fan, high- efficiency air cooling channel
- ▶ With a power star soft, DC protection, short protection, thermal protection, overload protection
- ▶ Equipped with dual input options (XLR male and XLR female) and dual output options (SpeakON), this professional amplifier series is designed to adapt to various system installation requirements.
- ▶ This device features three operating modes: STEREO (A and B work independently), PARALLEL (for easy wiring), and BRIDGE (for high-power amplification).



Model	CH-2650	CH-2850	CH-21050	CH-21250	CH-21500
Output Power	2x650W@8ohm 2x900W@4ohm	2x850W@8ohm 2x1200W@4ohm	2x1050W@8ohm 2x1500W@4ohm	2x1250W@8ohm 2x1800W@4ohm	2x1500W@8ohm 2x2150W@4ohm
Bridged (8 ohm)	1x1300W	1x1700W	1x2100W	1x2500W	1x3000W
Power Supply	AC190V-250V 50/60HZ				
Harmonic Distortion (1kHz, 8 ohm)	<0.01%				
Frequency Response	20Hz-20kHz(+/-1dB)				
Sensitivity	0.775V*40				
SNR	≥100dB(A-weighted)				
Damping Factor	≥300@8ohms				
Slew Rate	25V/US				
Input Impedance	Balanced: 20K Unbalanced: 10K				
Channel Isolation	60dB@8ohms 1Khz				
Output Type	Class-2H	Class-2H	Class-2H	Class-TD	Class-TD
LED Indicators	Power/Signal/Distortion/Clipping				
Input Connectors	Balanced XLR (Male/Female)				
Output Connectors	SPEAKON, Binding Posts				
Cooling System	Overheat, Overload, Short Circuit, DC Output Protection, Soft Start, Surge Limiting				
Product Size(WxDxH)	482x378x88mm	482x378x88mm	482x378x88mm	482x440x88mm	482x440x88mm
Net Weight	13.5Kg	17.65Kg	17.65Kg	20.5Kg	20.5Kg

CH Series 4-Channel Power Amplifier

Features:

- **Compact 2U Design:** Standard 2U form factor for easy integration into professional audio setups.
- **Multiple Operating Modes:** Choose from three operating modes—STEREO (independent A and B channels), PARALLEL (easy wiring setup), and BRIDGE (high-power amplification)—to suit different application needs.
- **Comprehensive Protection:** Features automatic output limiting, short circuit overload, high-temperature protection, and power-on delay to ensure safe and reliable operation.
- **Efficient Heat Dissipation:** The advanced stepless speed control fan adjusts speed based on radiator temperature, effectively reducing fan noise while ensuring optimal cooling.
- **User-Friendly Controls:** Independent volume control and LED signal level indicator provide clear and convenient monitoring of performance.
- **Built-In Filtering:** Integrated filtering function eliminates high-frequency interference from digital sound and other external equipment.
- **Enhanced Connectivity:** Dual XLR inputs and multiple output options, including SPEAKON and Phoenix terminals, for stronger compatibility across various setups.
- **Robust Protection Features:** Comprehensive safeguards including pressure limit, short circuit, overcurrent, and DC output protection for peace of mind.



Model	CH-4600	CH-4800
Output Power	4x600W@8ohm, 4x870W@4ohm	4x800W@8ohm, 4x1160W@4ohm
Bridged (8 ohm)	2x1200W	2x1600W
Power Supply	AC190V-250V 50/60HZ	AC190V-250V 50/60HZ
Harmonic Distortion (1kHz, 8 ohm)	<0.01%	<0.1%
Frequency Response	20Hz-20kHz(+/-1dB)	20Hz-20kHz: +/-1dB
Sensitivity	0.775V*40	0.775V*40
SNR	≥100dB(A-weighted)	≥100dB(A-weighted)
Damping Factor	≥300@8ohms	≥300@8ohms
Slew Rate	25V/US	25V/US
Input Impedance	Balanced: 20K Unbalanced: 10K	Balanced: 20K Unbalanced: 10K
Channel Isolation	60dB@8ohms 1Khz	60dB@8ohms 1Khz
Output Type	Class-TD	Class-TD
LED Indicators	Power/Signal/Distortion/Clipping	Power/Signal/Distortion/Clipping
Input Connectors	Balanced XLR (Male/Female)	Balanced XLR (Male/Female)
Output Connectors	SPEAKON, Binding Posts	SPEAKON, Binding Posts
Cooling System	Overheat, Overload, Short Circuit, DC Output Protection, Soft Start, Surge Limiting	Overheat, Overload, Short Circuit, DC Output Protection, Soft Start, Surge Limiting
Product Size(WxDxH)	485x485x100mm	485x485x100mm
Net Weight	22.76Kg	24.1Kg

Public Address 2-CH Stereo Pre Amplifier
Features
► Controls

- Front : 2 Channel Mic/Line and 6 Channel line input
- 2 Stereo Output with 2 band tone control
- Rear : 2 Channel Gain control with 3 band EQ, talkover and Phantom power switch
- 6 Channel Gain control with Stereo / Mono switch

► Connectors

- Euro block for 8 input
- Euro block for 2 output
- Euro block for priority input and EXT mute

► Indicators: Power, SIG and CLIP for each input channels and SIG -10dB, CLIP for output channel


Model		P82S
Rated Output Level / Impedance		0dB / 600 Ω Balanced
Input sensitivity / Impedance		Mic Input(CH1-2) - 60dB ~ - 16dB / 20KΩ Balanced Line Input(CH1-6) - 20dB ~ + 4dB / 20KΩ Balanced
Frequency Response (-1dB)		20Hz - 20kHz
T.H.D		< 0.1%
Crosstalk		> 70 dB
Equalization	Mic Input	High : 12 kHz ± 15 dB / Mid : 2.5 kHz ± 15 dB / Low : 80 Hz ± 15 dB
	Output	High : 10 kHz ± 15 dB / Low : 100 Hz ± 15 dB
Hum & Noise		> 90 dB
Power Source		AC 100~240 Volt, 50~60Hz
Weight (Net)		3.33kg
Dimensions (W x H x D)		482 x 44 x 320mm

2-Zone Paging Microphone for P82S

Features
► Controls

- Zone selector switch, All & 2 Zones. Talk & Chime switch.
- Level control volume for MIC and Chime output.

► Connectors

- RJ45 to connect with Model P82S.

► Indicators: Power, Busy, Signal , Clip.


Model		RM-2
Rated Output Level / Impedance		0dB / 600 Ω Balanced
Input sensitivity / Impedance		-36dB / 20kΩ Balanced
Frequency Response (-1dB)		80Hz - 15kHz
T.H.D		< 0.1%
Hum & Noise		> 90 dB
Number of Zone		2 Zones
Weight (Net)		750g
Dimensions (W x H x D)		120 x 60 x 200mm (only body)

8-Channel Pre-Amplifier

Features:

- ▶ The DCM-8PA is a versatile pre-amplifier with 8 line/mic inputs, 1 emergency input and 1 microphone input on the front panel
- ▶ EMC is priority inputs, automatically muting all other signal inputs.
- ▶ MIC on the front panel has the highest priority, able to suppress all other inputs.
- ▶ With automatic mute function for paging
- ▶ Can adjust the volume of 8-Channel input and the Mic input independently



Model

DCM-8PA

Input Channel	10 Channel(8-Line/Mic, 1-EMC, 1-MIC)
Output Channel	8 Channels
Frequency Response	20Hz~20KHz
SNR	MIC: 65Db, LINE: 85dB
Power Consumption	20W
Power Supply	AC220V/50Hz
Product Size	485 × 357 × 88mm
Net Weight	4Kg

Pre-Amplifier

Features:

- ▶ The AL-11P is a versatile mixer pre-amplifier with 4 microphone inputs, 3 auxiliary inputs, 2 emergency inputs (high priority) and mute function.
- ▶ MIC1, EMC1, EMC2 are priority inputs, automatically muting all other signal inputs. MIC1 has the highest priority, able to suppress all other inputs.
- ▶ With bass and treble control, automatic mute function for paging and individual gain control for all the inputs.



With multi versatile inputs



Model	AL-11P
Input	MIC 1, 2, 3, 4: 600 ohms, 5mV, unbalanced, phone jack AUX 1, 2, 3: 10k ohms, 200mV, unbalanced, RCA jack EMC 1, 2: 10k ohms, 200mV, unbalanced, phone jack
Output	600 ohms, 775mV, 0 dB, RCA jack
Frequency Response	60Hz – 15kHz (+/- 3dB)
S/N Ratio	Better than 70dB
THD	Less than 0.1% at 1kHz
Tone Controls	BASS: 100 Hz (+/- 10dB), TREBLE: 12k Hz (+/- 10dB)
Muting Function	MIC1 overrides other input signals with 0~30 dB attenuation EMC1 overrides other input signals except MIC 1
Power Requirements	220-240V AC, 50/60 Hz
Dimensions	89(H) x 483(W) x 366(D) mm

10-Channel Monitor Panel

Features:

- ▶ With built-in high fidelity loudspeaker monitoring up to 10 zones. 6 LED dB level meter clearly indicate the channel level status.
- ▶ The monitoring volume is adjustable as well as the 10 channel position selection.



Model	AL-10M
Input	70/100V audio signal
Monitored Channels	10
Audible Monitor	Full-range loudspeaker, 500mW
Visual Monitor	6-element LED display, infinite, 0, 2, 4, 6, 8, 10 dB
Controls	Monitor volume, channel select and power switch
Indicators	Power LED
Protection	AC Fuse: 0.5A
Power Consumption	10-15 watts
Power Requirements	110-120V or 220-240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm
Built-in Dimensions	2 U rack 19 inch
Net Weight	6.1kg

Analog PA Controls

160-Zone Paging Station

Features:

- ▶ Paging up to 16pcs of AL10P at 160 zones
- ▶ Long distance at 1KM
- ▶ Built-in pleasant chime
- ▶ High resolution LED showing the address of AL-10P paging to
- ▶ With high sensitivity gooseneck microphone and line in
- ▶ Up to 4pcs of AL-10R for the system
- ▶ Automatic mute function
- ▶ All call function

Flexible with long distance audio transmission!



Model	AL-10R
Input	Gooseneck mic: 600 ohms, 5mV, unbalanced, XLR Line in: 10k ohms, 775mV, unbalanced, RCA jack Line out: bigger than 775mV, 0dB, unbalanced
Control zones	Channel 1 to 10
Frequency Response	MIC: 100Hz – 10kHz (+/- 3dB); Line: 20Hz – 15kHz
S/N Ratio	Better than 70dB
THD	Less than 0.1% at 1kHz
Power consumption	5-10W
Power Requirements	220-240V AC, 50/60 Hz
Dimensions	80(H) x 75(W) x 205(D) mm

10-Channel Paging Selector

Features:

- ▶ Paging up to 10 speaker zones
- ▶ With 10 try contact in and out
- ▶ Built-in pleasant chime
- ▶ With 1 mic, 2 aux and 4 remote paging microphone inputs
- ▶ 4 priority levels MIC1 highest priority to EMC MIC, remote paging MIC and aux as last
- ▶ LED indicator for all the zones



Model	AL-10P
MIC Input	600 ohm 5mv, unbalance
Line input	10 K ohm, bigger or equals to 220mv unbalance
Line output	Bigger than 775mV at 0dB, Unbalance
Freq. response	MIC 100Hz-15KHz; Line 60Hz-15KHz at +/- 3dB
THD	Less than 0.01% at 1KHz
S/N Ratio	Bigger than 70dB
Protection	AC Fuse: 0.5A
Mute attenuation	Line 1 and MIC mute line 2 at 0-30dB
Power Requirements	220-240V AC, 50/60 Hz
Dimensions	89(H) x 483(W) x 366(D) mm
Built-in Dimensions	2 U rack 19 inch
Net Weight	6.4kg

16-Zone Speaker Selector

Features:

- This speaker selector controls up to 16 speaker outputs and 4 audio inputs.
- Flexible multi-input speaker selector arranged in a 4 x 4 matrix with priority override. 16 speaker zones are divided into 4 groups, each group can have a separate audio source.
- A priority bus is provided to mute background music for zone paging and emergency alarms.



Model	AL-16S4
Input	4 program and 1 priority channels, 70/100V audio signal
Speaker Output	4 groups of 4 zones, 70/100V audio signal
Priority Bus	16 channels, activated by 0V signal
Power Handling	1.5kW total capacity, 375W per channel
Alarm Output	0V signal
Controls	16 pushbutton zone selectors, 1 power switch
Power Requirements	110-120V or 220-240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm

2*5 10-Zone Speaker Selector

Features:

- High power handling and flexible model with 2 amplifier inputs and 2 groups of speaker outputs the AL-10S2
- Two 5-zone speaker selectors with separate audio sources or as a 10-zone selector with a single audio source.



Model	AL-10S2
Input	2 program channels, 70/100V audio signal
Speaker Output	2 groups of 5 zones, 70/100V audio signal
Priority Bus	N/A
Power Handling	1.5kW total capacity, 150W per zone
Alarm Output	N/A
Controls	10 pushbutton zone selectors, 1 power switch
Power Requirements	110-120V or 220-240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm

10-Zone Speaker Selector

Features:

- ▶ With flexible A/B amplifier inputs for auto switch from BGM and Emergency amplifier
- ▶ Control up to 10 speaker zone outputs
- ▶ Essential for analog medium PA system
- ▶ LED status indicators
- ▶ 10-channel priority bus
- ▶ 2 alarm activation outputs



Model	AL-10S
Input	1 program and 1 priority channels, 70/100V audio signal
Speaker Output	1 group of 10 zones, 70/100V audio signal
Priority Bus	10 channels, activated by 0V signal
Power Handling	1.5kW total capacity, 150W per zone
Alarm Output	0V signal
Controls	10 pushbutton zone selectors, 1 power switch
Power Requirements	110-120V or 220-240V AC, 50/60 Hz; 24VDC
Dimensions	89(H) x 483(W) x 366(D) mm

Intelligent Amplifier Changeover & Speaker Line Supervision Unit
Description

The EVAC-801 is an intelligent device that integrates power amplifier detection, automatic backup, and partition monitoring in one unit. It provides a third-party programmable interface and SDK protocol support for real-time status monitoring. Its high reliability, modular structure, and flexible configuration make it an ideal choice for modern intelligent broadcasting and voice evacuation systems.

Features

- ▶ 1U Aluminum Alloy Panel — Compact, modular, and durable design.
- ▶ Amplifier Changeover & Line Supervision 2-in-1 — Combines automatic amp backup and 8-zone speaker monitoring.
- ▶ Real-Time Fault Feedback — Detects amplifier and speaker line status with visual LED indication.
- ▶ Automatic & Manual Detection Modes — Detection interval configurable to 5 min / 1 hr / 24 hr.
- ▶ RS-485 Communication — Enables remote monitoring and control through centralized systems.
- ▶ Flexible Configuration — Supports 8 main + 1 backup or custom amplifier allocation.



Model	EVAC-801
Control Power per Zone	800W RMS / 100V 8A
Amplifier Fault Detection	8 Main + 1 Backup
Speaker Line Detection	8 Zones
Detection Interval	No Detect / 5 min / 1 hr / 24 hr
Measurement Accuracy	± 10 % Line Impedance
Power Supply	AC 90-264V / 0.1A
Fuse	T1A / 250V
Dimensions	483 × 44 × 368 mm
Net Weight	4.3kg

2-CH 100V to Line Audio Converter

Description:

This device is a high to low level converter designed to interface with 100V distributed speaker lines. Ideal for signal transmission over long distances or supplying an auxiliary output from PA amplifiers or from a 100V audio signal source to the units with line input.

And very useful if extending or adding to existing installs as it negates the need to run new cables from existing amplifier or main equipment, simply tag onto the 100V loudspeaker circuit and feed the output into a local amplifier.

Features:

- ▶ 2CH Speaker Level to Line Level Conversion
- ▶ Works with 100V Speaker Systems
- ▶ Two Phoenix Connectors of Input
- ▶ Two RCA Connectors of Output
- ▶ Cable Management System
- ▶ Multiple Mounting Configurations
- ▶ Wide Bandwidth Frequency Response
- ▶ No External Power Required
- ▶ Compact Chassis Design

Audio Applications

- ▶ System Isolation
- ▶ Level Matching
- ▶ Add a Zone Anywhere a Speaker System Exists



Model	LT-100VL
System	2CH High Level to Line Level Converter
Chassis	Color Black
Chassis Material	Aluminum
Input	High Level Input: Phoenix connector – Qty 2
Output	Line Level Output: RCA connector – Qty 2
Power Requirement	None
Dimension	136mm(W) x 80mm(D) x 30mm(H)
Net weight	0.45kg

Emergency Microphone Panel

Features:

- ▶ LED display screen with flash indicator to show the fire status
- ▶ 50 seconds message recording
- ▶ Manual / Auto trigger recorded message
- ▶ Vol control for handheld and PPT mic
- ▶ Short circuit try contact to activate emergency message



Model	EM-3
Audio Output	SIREN/Play/EMIC2 > or = to 8 mV, unbalanced
TRIG Output	Short Circuit signal activation output
Record Input	MIC >or= to 8 mV unbalanced, Line >or= 330mV unbalanced
Alarm Input	Short Circuit signal input
Alarm activation mode	Manual operation / alarm signal
Power Requirements	24VDC/500MA
Display	LCD Indicator
Power Consumption	Less than 10W
Built-in Dimensions	2 U rack 19 inch
Net Weight	5 kg
Dimensions	89(H) x 483(W) x 366(D) mm

Programmable MP3 Timer

Features:

- ▶ With 4GB built-in memory, expandable to 8, 16 and 32GB
- ▶ 3.2 inch TFT true color display
- ▶ Support external U disc play
- ▶ Timing program via PC
- ▶ 4 sets of program, each up to 240 timings.
- ▶ With built-in FM function.
- ▶ With dry contact input to activate the built-in MSG.
- ▶ 1 MIC and 1 Aux inputs; 2 aux outputs.



Model with suffix "T" means touch screen version



Model	AS-TIME6/AS-TIME6T
Audio Output	10K ohms, less than 500mV unbalanced
Frequency Range	FM 87Mhz~ 108Mhz
Antenna Input	75 ohms
THD	Less than 0.01% at 1kHz
S/N Ratio	Better than 80dB
Power Requirements	220~240V AC, 50/60 Hz;
Frequency Response	20Hz~18KHz
Power Consumption	10~15 W
Built-in Dimensions	2 U rack 19 inch

10-Zone All-in-one System

DCM-100M

Description:

Master Control Unit DCM-100M is with built-in Mp3, USB, and programmable timer to control a small to medium PA system of 10 Zones, it can connect up to 5pcs of power amplifier and with remote control microphone.



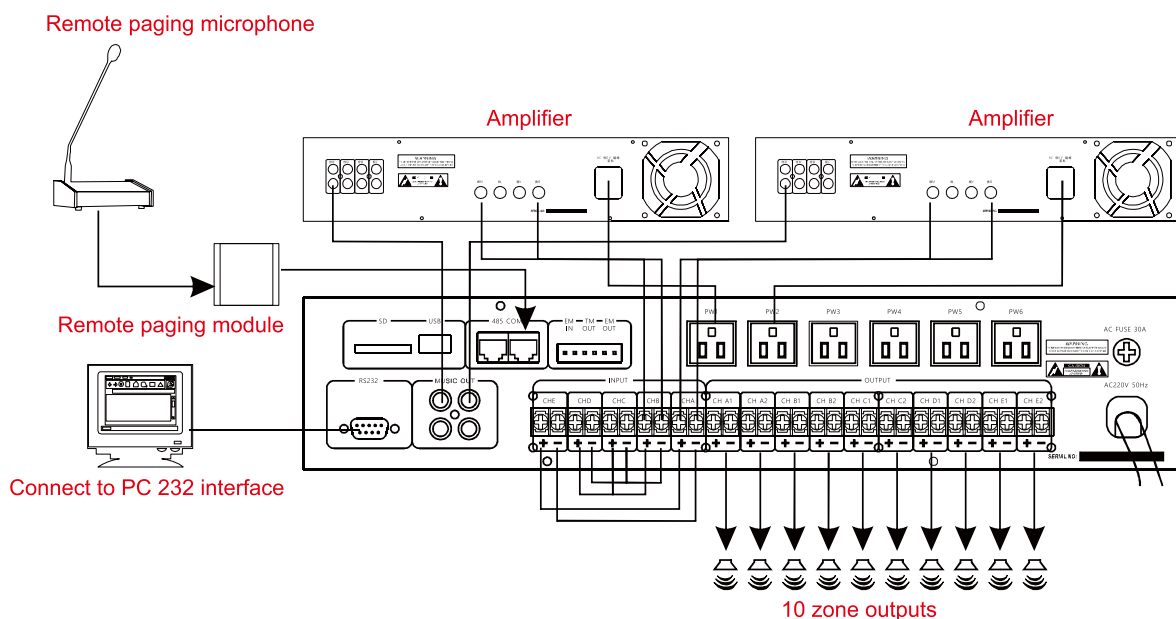
Features:

- ▶ With 192*164 LCD display screen to see the status
- ▶ 10 individual zone for programmed or manual control
- ▶ 6 universal power supply for programmed control
- ▶ With built-in USB, Mp3, and set program to play audio tasks to specific zones as well as for the aux inputs
- ▶ Support zone paging microphone for up to 1KM remote paging
And support multiple remote microphones
- ▶ cost of ownership and high reliability
- ▶ Support RS 232 protocol control

SPECIFICATIONS

DCM-100M

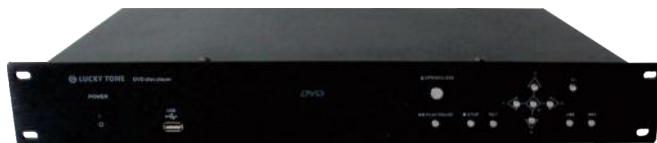
COM SPEED	9600bps
Mp3 FREQUENCY RESP.	20Hz-20KHz/±1dB
Mp3 S/N	95dB
STORAGE	SD card / USB
Mp3 FORMAT	FAT16 / FAT32
AUDIO OUTPUT	1K OHM / 1V UNBAL
AUDIO DISTORTION	0.1%
FREQUENCY RESP.	30HZ-20KHZ
TIME DISPLAY	24HOUR
COM PORT	RJ45
PROTOCOL	RS485
PC PROTOCOL	RS232
ALARM IN VOLT LEVEL	SHORTCIRCUIT 0V
ALARM OUT VOLT LEVEL	SHORTCIRCUIT 0V
POWER CONTROL VOLT	SHORTCIRCUIT 0V
POWER SUPPLY	~220V/50HZ
AC CAPACITY	6KVA, EACH 3KVA
CONSUMPTION	20W
PROTECT	AC FUSE 30A
SIZE	485X357X88MM
WEIGHT	6.5KG



DVD Player with USB

Features:

- ▶ Integrate Mp3 player with USB in the front.
- ▶ Stereo line output and video output by RCA.
- ▶ With wireless IR remote controller.
- ▶ Support DVD, VCD, CD, HDCD, DIVX, SVCD, MPEG4, Mp3, WMA, CDR/RW format disc and auto play function



Model	AS-DVD
Audio Output	600 ohms, 775mV
Video Output	75 ohms, 775mV
THD	Less than 0.01% at 1kHz
S/N Ratio	Bigger than 80dB
Power Requirements	220-240V AC, 50/60 Hz;
Frequency Response	20Hz-18KHz
Power Consumption	10-15 W
Built-in Dimensions	1.5 U rack 19 inch
Net/Gross Weight	2.7/3.8 kg
Dimensions	51(H) x 483(W) x 250(D) mm

2-Channel All-In-One Audio Player

Features:

- ▶ Integrate with DVD, Mp4, Mp3, CD, tuner USB, and Bluetooth into one U unit
- ▶ With selectable 2 channel outputs.
- ▶ Equipped with 2 USB inputs
- ▶ Stereo line output and video output by RCA
- ▶ Fast scan with manual and auto tuning.
- ▶ With wireless IR remote controller.
- ▶ Up to 60 channel memories can be set.
- ▶ Mon and stereo output selection.



Model	AS-D6
Audio Output	10K ohms, less than 500mV unbalanced
Frequency Range	FM 87MHz- 108Mhz
Antenna Input	75 ohms
THD	Less than 0.01% at 1kHz
S/N Ratio	FM Bigger than 45dB
Power Requirements	220-240V AC, 50/60 Hz;
Frequency Response	20Hz-18KHz
Power Consumption	10-15 W
Built-in Dimensions	1 U rack 19 inch
Net/Gross Weight	2.3/3.1 kg
Dimensions	45(H) x 483(W) x 255(D) mm

Accessories

Volume Controllers

- Stylish design suitable for any environment
- Reliable quality working with Lucky Tone or other PA/VA systems
- Power rating ranging from 6W to 120W

T means with 24VDC override in case of emergency
B means comes with back box



6W



30W



60W



120W

Power Rating	6W	30W	60W	120W
Steps	5	5	5	5
Control mode	Resistor	Transformer	Transformer	Transformer
Signal input	100V	100V	100V	100V
Freq. Response	20Hz-20KHz	20Hz-20KHz	20Hz-20KHz	20Hz-20KHz
Product Size WHD	86 x 86 x 50mm	86 x 86 x 62mm	86 x 86 x 70mm	86 x 86 x 50mm
Enclosure Material	Plastic	Plastic	Plastic	Plastic
Weight	70g	135g	295g	503g
Color	White	White	White	White

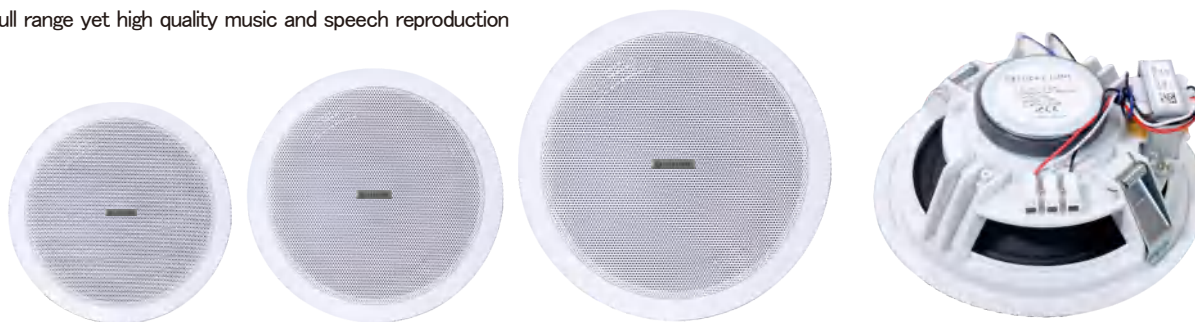
Ordering Code



Model	Description
VB-06A	6W volume control, square type 86 x 86
VB-30A	30W volume control, square type 86 x 86
VB-60A	60W volume control, square type 86 x 86
VB-120A	120W volume control, square type 86 x 86
VB-06AT	6W volume control, square type 86 x 86, 24VDC override
VB-30AT	30W volume control, square type 86 x 86, 24VDC override
VB-60AT	60W volume control, square type 86 x 86, 24VDC override
VB-120AT	120W volume control, square type 86 x 86, 24VDC override

Ceiling speaker

- ▶ Fast installation range of speaker
- ▶ Full range yet high quality music and speech reproduction

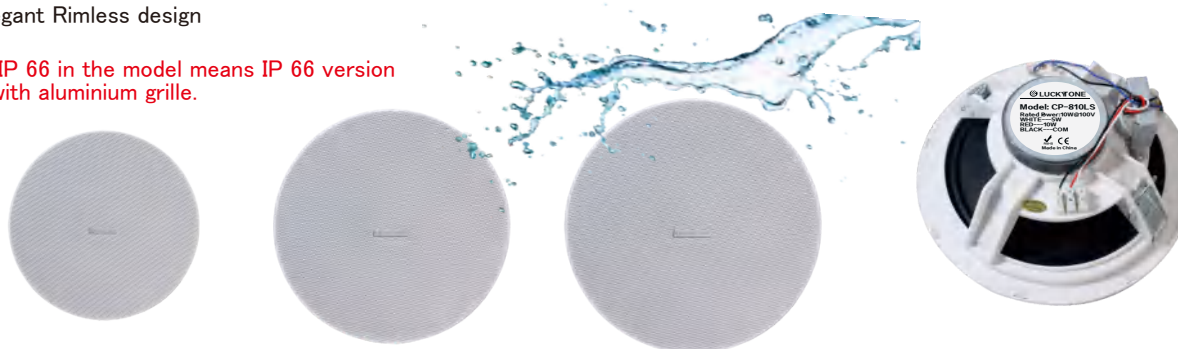


Model	CP-506	CP-606	CP-810
Power at 100V	3/6W	3/6W	5/10W
Power at 70V	1.5/3W	1.5/3W	2.5/5W
SPL(1W/1M)	92dB	92dB	92dB
Max SPL@ 1M	99dB	99dB	101 dB
Freq. Response	100Hz-16KHz	100Hz-18KHz	100Hz-18KHz
Cutout Size	Dia 150mm	Dia 170mm	Dia 210mm
Product Size	Dia175x60mm(H)	Dia 185x75mm(H)	Dia 230x90mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	0.5Kg	0.7Kg	1 Kg
Color	White	White	White
Speakers	5"x1 full range	6"x1 full range	8"x1 full range

Rimless Ceiling speaker

- ▶ Fast installation range of speaker
- ▶ Full range yet high quality music and speech reproduction
- ▶ Elegant Rimless design

With IP 66 in the model means IP 66 version and with aluminium grille.



Model	CP-506LMT/CP-506LMT IP66	CP-606LMT/CP-606LMT IP66	CP-810LMT
Power at 100V	3/6W	3/6W	5/10W
Power at 70V	1.5/3W	1.5/3W	2.5/5W
SPL(1W/1M)	92dB	92dB	92dB
Max SPL@ 1M	99dB	99dB	101dB
Freq. Response	100Hz-16KHz	100Hz-18KHz	100Hz-18KHz
Cutout Size	Dia 140mm	Dia 170mm	Dia 210mm
Product Size	Dia160x55mm(H)	Dia185x75mm(H)	Dia230x90mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	0.5Kg	0.7Kg	1Kg
Color	White	White	White
Speakers	5"x1 full range	6"x1 full range	8"x1 full range

PA Ceiling Speaker

CM-606

- ▶ Metal Ceiling speaker
- ▶ Versatile for various PA and BGM applications
- ▶ With 6W transformer



CM-606H

- ▶ Metal Ceiling speaker
- ▶ Versatile for various PA and BGM applications
- ▶ With heavy duty fire dome



CM-606HEN

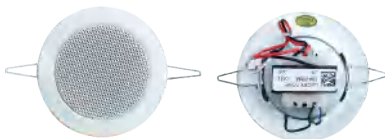
- ▶ Metal Ceiling speaker
- ▶ Versatile for various PA and BGM applications
- ▶ With heavy duty fire dome and 2 waterproof rubber gaskets
- ▶ EN 54 Part 24 compliance



Model	CM-606	CM-606H	CM-606HEN
Power at 100V	1.5/3/6W	1.5/3/6W	0.75/1.5/3/6W
Power at 70V	0.75/1.5/3W	0.75/1.5/3W	0.375/0.75/1.5/3W
SPL(1W/1M)	91dB	91dB	91dB
Max SPL@ 1M	98dB	98dB	98dB
Freq. Response	100Hz-18KHz	100Hz-18KHz	100Hz-18KHz
Cutout Size	Dia 175mm	Dia 175mm	Dia 175mm
Product Size	Dia200x60mm	Dia 200x90mm(H)	Dia 200x90mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	Metal	Metal	Metal
Weight	0.7Kg	0.95Kg	1.1Kg
Color	White	White	White
Speakers	6"x1 full range	6"x1 full range	6"x1 full range

CM-206M

- ▶ Mini size yet powerful sound
- ▶ With 6W transformer
- ▶ Good for PA and BGM
- ▶ Designed for fast installation and easy operation



CP-206E

- ▶ ABS Ceiling speaker
- ▶ Mini size yet powerful sound
- ▶ With 3W transformer
- ▶ Good for PA and BGM



CP-206LMT

- ▶ ABS Ceiling speaker
- ▶ Mini size yet powerful sound
- ▶ With 6W transformer
- ▶ Good for PA and BGM



Model	CM-206M	CP-206E	CP-206LMT
Power at 100V	3/6W	1.5/3W	3/6W
Power at 70V	1.5/3W	0.75/1.5W	1.5/3W
SPL(1W/1M)	87dB	87dB	87dB
Max SPL@ 1M	91dB	91dB	87dB
Freq. Response	120-20kHz	130-16kHz	120-20kHz
Cutout Size	Dia 80mm	Dia 90mm	Dia 95mm
Product Size	Dia 100*70mm	Dia 100*70mm	Dia 103mm
Installation	In ceiling	In ceiling	In ceiling
Enclosure Material	Iron	ABS	ABS
Weight	0.35Kg	0.4Kg	0.4Kg
Color	White	White	White
Speakers	2.5 " x1 full range	2.5 " x1 full range	2.5 " x1 full range

PA Ceiling Speaker

3-Inch Ceiling Speaker

Features:

- ▶ With clear acoustic performance for music and voice
- ▶ Fast and easy installation feature



Model	CP-303FM
Driver size	3 inch
Rated Power	1.5/3W
Sensitivity	89dB±2(1W/1M)
Max SPL	93dB
Speaker impedance	8ohm
Frequency range	100Hz-16KHz
1000Hz Dispersion angel	130 degree
Size	Φ 120X80MM
Hole cut size	Φ 100MM
Material	ABS
Color	White

4-Inch Ceiling Speaker

Features:

- ▶ Elegant outlook.
- ▶ Easy to install and maintain.
- ▶ Made of durable material
- ▶ ABS enclosure
- ▶ IP64



Model with suffix "L" means Rimless

Model	CP-406WP/CP-406WPL
Rated Power	6W
Power Taps	3/6W
Line Voltage	100V
Sensitivity(1m,1W)	91±3dB
Frequency Response	150-18KHz
Dimension	Dia140x130mm
Hole for Mounting	Dia125mm
Material	ABS
Weight	0.86kg

Office Sound Masking Speaker

The SM-506 office sound masking speaker contains a 5.25-inch diameter speaker mounted on axis. The compact enclosure includes a convoluted, flame retardant, acoustical insert to eliminate standing waves and metallic resonance. It provides uniform dispersion and is well suited for sound masking, paging, and music signals.



Model	SM-506
Power at 70V	6W/3W/1.5W/0.75W/0.38W
Frequency Response	100Hz-12KHz
Sensitivity	83±3dB
Nominal Impedance	100 V / Secondary Equals 8 Ohms
Nominal Dispersion	160° H x 165° V
Height	10.1cm
Weight	1.6kg
Speaker	5.25" full range paper cone driver
Color	White

Ceiling Speaker

Features:

- ▶ Elegant outlook.
- ▶ Easy to install and maintain.
- ▶ Full range yet high quality music and speech reproduction
- ▶ ABS enclosure



Model with suffix "L" means Rimless



CSP-6T



CSP-6TL

Model	CSP-6T	CSP-6	CSP-6TL	CSP-6L
Power at 100V	3W/6W	/	3W/6W	/
Power at 70V	1.5W/3W	/	1.5W/3W	/
Power at 8 ohm	/	10W	/	10W
SPL(1W/1M)	92dB	92dB	92dB	92dB
Max SPL@ 1M	99dB	101dB	99dB	101dB
Freq. Response	100Hz-18KHz	100Hz-18KHz	100Hz-18KHz	100Hz-18KHz
Cutout Size	Dia 165mm	Dia 165mm	Dia 165mm	Dia 165mm
Installation	Inceiling	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS	ABS
Net Weight	590g	425g	615g	450g
Gross Weight	705g	540g	730g	570g
Color	White	White	White	White
Product Size	Dia187x65mm(H)	Dia187x65mm(H)	Dia189x65mm(H)	Dia189x65mm(H)
Package Size	205x195x68mm	205x195x68mm	205x195x68mm	205x195x68mm
Speakers	6.5"x1 full range	6.5"x1 full range	6.5"x1 full range	6.5"x1 full range

PA Ceiling Speaker

4.5-Inch Ceiling speaker



Model	CP-506IH
Driver size	4.5 inch
Rated Power in 100	6W/3W
Rated Power in 70	3W/1.5W
Sensitivity	90Db $\pm$ 2(1w/1M)
Max SPL	96Db
Speaker impedance	8 Ω
Frequency range	105Hz-18KHz
1000Hz Dispersion angel	145 degree
Size	Φ 174X87MM
Hole cut size	Φ 148MM
Material	ABS
Color	White
Installation	In ceiling

Ultra Thin Ceiling Speaker with Dual Tweeter & Passive Radiator

Features:

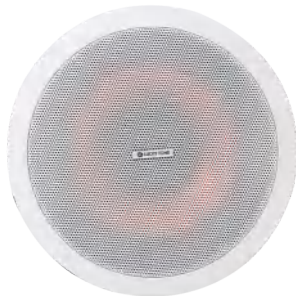
- Unique Acoustic Design: Dual tweeter, one 3.5" woofer and one passive radiator
- Ultra-thin design with only 85mm depth, friendly for most installation
- With 20W transformer (CH-320H)



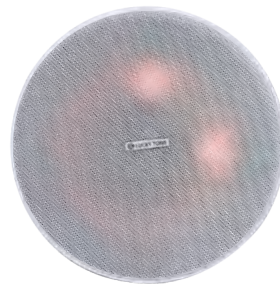
Model	CH-320Li	CH-320H
Power RMS	20W@4ohm	20W/10W/5W/100V; 20W@4ohm
Power Peak	40W	40W
SPL(1W/1M)	88dB	88dB
Max SPL@ 1M	101dB	101dB
Freq. Response	100Hz-20KHz	100Hz-20KHz
Installation	Inceiling	Inceiling
Enclosure Material	ABS	ABS
Weight	1.1KG	1.4KG
Color	White	White
Cutout Size	Dia 190mm	Dia 190mm
Product Size	Dia223x85mm(H)	Dia223x85mm(H)
Speakers	1"x2 (TREBLE) 3.5"*1(BASS) Passive Radiator*1	1"x2 (TREBLE) 3.5"*1(BASS) Passive Radiator*1

High Performance 2-Way Ceiling Speaker
CR-620LT / CR-620L

- ▶ Easy and fast installation
- ▶ Colorful Poly woofer produces smooth and natural HiFi sound
- ▶ Designed for optimal performance in a wide variety of commercial applications


CR-620LMT / CR-620LM / CR-830LMT / CR-830LM

- ▶ Elegant Rimless design
- ▶ Easy and fast installation
- ▶ Colorful Poly woofer produces smooth and natural HiFi sound
- ▶ Designed for optimal performance in a wide variety of commercial applications



Model Number with "M" means Rimless version; with "T" means 100V line transformer version

Model	CR-620LT	CR-620L	CR-620LMT	CR-620LM	CR-830LMT	CR-830LM
Power at 100V	15W /7.5W	/	15W /7.5W	/	30W /15W /7.5W	/
Recommended Amplifier Power	/	15W to 125W	/	15W to 125W	/	20W to 125W
Power Peak	60W at 8 ohm	60W at 8 ohm	60W at 8 ohm	60W at 8 ohm	120W at 8 ohm	120W at 8 ohm
SPL(1W/1M)	89dB	89dB	89dB	89dB	89dB	89dB
Max SPL@ 1M	101dB	101dB	101dB	101dB	104dB	104dB
Freq. Response	65Hz-20KHz	65Hz-20KHz	65Hz-20KHz	65Hz-20KHz	50Hz-20KHz	50Hz-20KHz
Cutout Size	Dia 170	Dia 170	Dia 170	Dia 170	Dia 210mm	Dia 210mm
Installation	Inceiling	Inceiling	Inceiling	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS	ABS	ABS	ABS
Weight	1.0KG	0.8KG	1.0KG	0.8KG	1.25KG	0.9KG
Color	White	White	White	White	White	White
Product Size	Dia186.5x95mm(H)	Dia186.5x85mm(H)	Dia 187x87mm(H)	Dia 187x80mm(H)	Dia 235x104mm(H)	Dia 235x93mm(H)
Speakers	1" x1 (TREBLE) 6"x1(BASS)	1" x1 (TREBLE) 6"x1(BASS)	1" x1 (TREBLE) 6"x1(BASS)	1" x1 (TREBLE) 6"x1(BASS)	1" x1 (TREBLE) 8"x1(BASS)	1" x1 (TREBLE) 8"x1(BASS)

PA Ceiling Speaker

Rimless Ceiling Speaker with or without Dome

Features:

- ▶ ABS in ceiling speaker at high performance
- ▶ Available in 5, 6, and 8 inch
- ▶ With 100V line transformer
- ▶ Good for PA and BGM



Model	CP-520LT/CP-520LTH	CP-630LT/CP-630LTH	CP-840LT/CP-840LTH
Power at 100V	5/10/20W; 40W at 8ohm	7.5/15/30W; 60W at 8ohm	10/20/40W; 80W at 8ohm
Power at 70V	2.5/5/10W; 40W at 8ohm	3.8/7.5/15W; 60W at 8ohm	5/10/20W; 80W at 8ohm
SPL(1W/1M)	89dB	90dB	90dB
Max SPL@ 1M	100dB	103dB	105dB
Freq. Response	80Hz-20KHz	50Hz-20KHz	50Hz-20KHz
Cutout Size	Dia 180mm	Dia 205mm	Dia 255mm
Installation	In ceiling mounted	In ceiling mounted	In ceiling mounted
Enclosure Material	ABS	ABS	ABS
Weight	1.3Kg	1.8Kg	2.6Kg
Color	White	White	White
Speakers	5" coaxial	6" coaxial	8" coaxial

H means with fire dome

- ▶ High Performance 2 way speaker
- ▶ With heavy duty fire dome and power selection switch
- ▶ Good for high music demand applications.



Model	CP-521T;CP-521TH	CP-621T;CP-621TH	CP-821T;CP-821TH
Power at 100V	20W/20W/10W/5W/8 ohm	30W/30W/15W/7.5W/8 ohm	40W/40W/20W/10W/8 ohm
Power at 70V	10W; 10W/5W/2.5W/8 ohm	15W; 15W/7.5W/3.8W/8 ohm	20W; 20W/10W/5W/8 ohm
SPL(1W/1M)	88dB	88dB	88dB
Max SPL@ 1M	101dB	102dB	103dB
Freq. Response	100Hz-20KHz	90Hz-20KHz	50Hz-20KHz
Cutout Size	Dia 170mm	Dia 200mm	Dia 240mm
Product Size	Dia203x80mm(H);x145mm(H)	Dia230x90mm(H);x150mm(H)	Dia270x105mm(H);x185mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	1.25; 1.7Kg	1.6; 2.2Kg	2.1; 3.1Kg
Color	White	White	White
Speakers	1" x1 (TREBLE) 5.25"x1(BASS)	1" x1 (TREBLE) 6"x1(BASS)	1" x1 (TREBLE) 8"x1(BASS)

High SPL 8-Inch Ceiling Speaker
Features:

- ▶ Double magnet ultra-high sensitivity 8-inch coaxial ceiling speaker
- ▶ Metal Ceiling speaker
- ▶ Versatile for various applications
- ▶ With 30W transformer

Model with suffix "H" means with fire dome



Model	CP-830T	CP-830TH
RMS Power at 100V	30W /15W/7.5W	30W /15W/7.5W
Power Peak	60W	60W
SPL(1W/1M)	96dB	96dB
Max SPL@ 1M	110dB	110dB
Freq. Response	93Hz-20KHz	63Hz-20KHz
Installation	In ceiling	In ceiling
Enclosure Material	metal	metal
Net Weight	2.0KG	2.5KG
Color	White	White
Cutout Size	Dia 230mm	Dia 230mm
Product Size	Dia265x93mm(H)	Dia265x100mm(H)
Speakers	1" x1 (TREBLE) 8" x1(BASS)	1" x1 (TREBLE) 8" x1(BASS)

PA Ceiling Speaker

2-Way Ceiling Speaker

Features:

- ▶ 2-way ABS in ceiling speaker at high performance
- ▶ With crossover to produce clear yet powerful sound
- ▶ Kevlar driver for exceptional sound reproduction(CP-880P)
- ▶ Easy for installation
- ▶ Good for high music demand applications



Model	CP-660P	CP-880P
Power Tap	60/30/15/7.5W-8Ω	60/30/15/7.5W-8Ω
Power at 8ohm	60W	80W
Max. Power	120W	160W
SPL (1W/1M)	95dB	98dB
Max SPL@ 1M	116dB	120dB
Freq. Response	75-20KHz	105-20KHz
Dispersion Angle	180° (1000Hz)	180° (1000Hz)
Cutout Size	Dia 245mm	Dia 245mm
Product Size	φ 285x195mm	φ 285x195mm
Installation	In ceiling	In ceiling
Enclosure Material	ABS	ABS
Net Weight	3.8kg	3.6kg
Color	Black	Black
Speakers	6.25" woofer x1, 1.5" tweeter x1	8" woofer x1, 1" tweeter x1

5-Inch Surface Mount Ceiling Speaker

Features:

- ▶ **High-Fidelity Sound:** Experience exceptional audio quality with clear, balanced sound reproduction, making it ideal for music playback and voice announcements.
- ▶ **Easy Installation:** Designed for hassle-free installation, this speaker can be securely mounted on the ceiling surface, saving you time and effort.
- ▶ **Wide Sound Coverage:** Enjoy broad sound dispersion, ensuring even coverage throughout the room.
- ▶ **Durable and Reliable:** Built to last, our surface mount ceiling speaker is constructed with robust materials, providing long-lasting performance and reliability.



Model	PC-506G
Power at 100V	6W/3W
Standard Input Voltage (100V)	3W, 3333Ω /6W, 1667Ω
Max. Power	10W
Frequency Response	100HZ±5 ~ 17K±1
Product Size	Ø 219*75mm
Sensitivity (1m)	91dB ±1dB
Dispersion Angle	120°
Cutout Size	No hole; Surface mounted
Speaker Size	5.25" full range speaker
Net Weight	855g
Color	Light Grey
Material	PP (anti-resonance special material)
Package	20pcs per carton

6" Twin Cone Marine Ceiling Speaker

Description:

This compact, low-profile speaker is built with a 150mm (6") 6W driver and an edge-to-edge snap-fit grille for a clean, modern appearance. While suitable for any 100V line BGM or PA application, it is specifically designed for optimal performance on large passenger boats and commercial vessels. It includes sealed gland entries, a protective rear cover, and dual spring retention clips, along with optional screw-fixing points to ensure secure installation even in rough sea conditions.



3 Extra Fixing Screws for Secure Marine Installation

Features:

- ▶ Equipped with a 6W multi-tapped 100V transformer.
- ▶ Delivers outstanding speech clarity.
- ▶ Features a high-quality driver engineered for BGM and general paging use.
- ▶ Includes spring-loaded mounting clips with additional optional screw fixing points.
- ▶ Comes with a 4-way pluggable terminal block for loop-in and loop-out wiring.
- ▶ Integrated thermal fuse for added protection.
- ▶ Stylish aluminium mesh grille with seamless snap-fit design.



Model	CT-6YH
Power Taps	0.375/0.75/1.5/3/6W@100V
SPL (1W@1m)	92dB
Frequency Response	100Hz – 17kHz
Connection	4 way terminal block
Cable Entry	PG13.5 (10-12mm OD cable)
Grille Material	ABS surround, aluminium mesh grille
Driver Construction	Paper twin cone (treated)
Ceiling Cutout	Dia 170mm
Grille Diameter	Dia 207mm
Mounting Depth	73mm (including ceiling tile thickness)
Weight	0.9kg
Color	White

IP44 Marine Ceiling Speaker

Features:

- ▶ ABS Ceiling speaker
- ▶ Water and corrosion proof for outdoor and marine
- ▶ IP44 Rating



Model	CP-420	CP-525
Power at 100V	20W at 8ohm	25W at 8ohm
Power at 70V	NA	NA
SPL(1W/1M)	88dB	90dB
Max SPL@ 1M	101dB	103dB
Freq. Response	155Hz-20KHz	100Hz-20KHz
Cutout Size	Dia 105mm	Dia 122mm
Product Size	Dia 141mm	Dia 165mm
Installation	Inceiling	Inceiling
Enclosure Material	ABS	ABS
Weight	0.5Kg	0.7Kg
Color	White	White
Speakers	1" x1 (TREBLE) 4"x1(BASS)	1" x1 (TREBLE) 5"x1(BASS)

8-Inch Ceiling Subwoofer

Description

Lucky-tone believes that the sound in a venue should be uncompromised, including the often overlooked secondary areas.

To this end we are proud to introduce our LT-8.1SUB2 subwoofer ceiling speaker to you.

The LT-8.1SUB2 equipped with a 3-Shift switch that you can choose 100V, off and 8ohm. It is a subwoofer with a deep but clean sound.

Also, it is a low frequency supplement. It can be used with any ceiling speaker and let the entire sound field to be filled with the energy of the bass.

So this 8 inch subwoofer ceiling speaker is a perfect choice for the place where additional low frequency response is required

Features:

- ▶ Elegant outlook.
- ▶ Easy to install and maintain.
- ▶ Made of durable material
- ▶ ABS enclosure

Model	LT-8.1SUB2
Design	Subwoofer
Woofers	8 inch
Power Handling RMS	50W
Programme Watts	100W
SPL (1W/1M)	88dB
Max. SPL@1M	100dB
Frequency Response	65Hz-5KHz
Dispersion Angle	180°
Cutout Size	Dia 245mm
Product Size	Dia285x195mm
Installation	In ceiling
Tapping	100V/OFF/8Ω
Enclosure Material	ABS
Net Weight	3.4kg
Connector	Spring loaded terminal
Input Voltage	8Ω/100V 200Ω 50W
Speaker Cables	Minimum Diameter 2.5mm ²



8-Inch Ceiling Subwoofer

Description

Subwoofer 150W at 4 Ohm for smart home and hotels



Accessory: BOX 8.3

Additional Wooden Box for LT-8.3SUB to add more bass

Model	LT-8.3SUB
Power RMS	150W 4 ohm
Power PEAK	300W 4 ohm
SPL(1W/1M)	89dB
Max SPL@ 1M	109dB
Freq. Response	35-300Hz
Cutout Size	Dia 273 mm
Product Size	Dia 273* 107mm
Installation	In ceiling
Enclosure Material	ABS
Weight	3.6 kg
Color	White grille with back body
Speakers	8 inch

10-Inch Ceiling Subwoofer

Features:

- ▶ High power excursion ceiling subwoofer at 240W with overload protection
- ▶ Built-in transformer for 100V line, 70V line or 4 ohm input with multi tapping selector in the front
- ▶ Heavy steel metal enclosure fire dome
- ▶ Designed for easy installation and maintenance
- ▶ Great supplement for sub bass for ceiling sound system and others.

Description

This subwoofer ceiling speaker equipped with 100V line transformer and can handle up to 240W of RMS power as well as for low impedance at 4 ohm, and it handles low frequency at 35Hz, which is truly suitable for sub bass applications.



Model	LT-10.1
Power at 100V	240/120/60W, 240W@ 4 ohm
Power at 70V	120/60/30W, 240W@ 4 ohm
SPL(1W/1M)	89dB
Max SPL@ 1M	112dB
Freq. Response	35-150Hz
Cutout Size	Dia 330 mm
Product Size	Dia 360* 330mm
Installation	In ceiling
Enclosure Material	ABS front and metal dome
Weight	9 kg
Color	White front with black dome
Speakers	10 inch

PA Ceiling Speaker

Coaxial Ceiling Speaker Rimless Front with Safety Wire

Features

- ▶ Available in 6.5" and 8" coaxial ceiling speaker models.
- ▶ Selectable 100V / 70V / 8 Ω operation for flexible system integration.
- ▶ High sensitivity driving high SPL output.
- ▶ Wide dynamic response for speech and music reproduction.
- ▶ Front-access Phoenix terminal for easy wiring.
- ▶ Magnetic grille with high-strength N42 magnets.
- ▶ Etched metal grille with durable construction.
- ▶ Reinforced mounting structure with dual safety cables.
- ▶ Metal clamps for fast and secure ceiling installation.



DP660V2



DP8100V2

Model	DP660V2	DP8100V2
Power at 100V	5W/10W/20W/40W@100V, 60W@8 Ω	10W/20W/40W/80W@100V, 100W@8 Ω
Power at 70V	2.5W/5W/10W/20W@70V, 60W@8 Ω	5W/10W/20W/40W@70V, 100W@8 Ω
Power Peak	120W@8 Ω	200W@8 Ω
Speaker	1 $\times$ 6.5" + 1 $\times$ 1" Dome Tweeter (Coaxial)	1 $\times$ 8" + 1 $\times$ 1" Neodymium Tweeter (Coaxial)
Sensitivity (1m/1W)	90dB	92dB
Max. SPL@ 1M	110dB	115dB
Frequency Response	85Hz – 20kHz	65Hz – 20kHz
Coverage Angle	120° Conical	120° Conical
Grille Material	Metal	Metal
Back Cover Material	Iron	Iron
Mounting Clamp	Zinc Alloy	Zinc Alloy
Cutout Size	Dia 270mm	Dia 320mm
Product Size	Dia 316 $\times$ 197mm	Dia 375 $\times$ 258mm
Net Weight	3.9 kg	5.8kg

Ceiling Speaker with Firedome

The CP-440LTH/CP-560LTH/CP-680LTH/CP-8100LTH offers two manufacturing solutions, one for silk tweeters and the other for aluminum tweeters. Both contain dog lag.



Model	CP-440LTH	CP-560LTH	CP-680LTH	CP-8100LTH
Power at 100V	2.5W/5W/10W/20W, 40W at 8ohm	3.75W/7.5W/15W/30W, 60W at 8ohm	5W/10W/20W/40W, 80W at 8ohm	6.25W/12.5W/25W/50W, 100W at 8ohm
Power at 70V	1.25W/2.5W/5W/10W, 40W at 8ohm	1.875W/3.75W/7.5W/15W, 60W at 8ohm	2.5W/5W/10W/20W, 80W at 8ohm	3.125W/6.25W/12.5W/25W, 100W at 8ohm
Tweeter	0.5"(13mm) Titanium dome	0.75"(20mm) Titanium dome	1"(25mm) Titanium dome	1"(25mm) Titanium dome
Woofers	4"(100mm) Graphite Cone, Rubber Surround	5"(125mm) Graphite Cone, Rubber Surround	6.5"(165mm) Graphite Cone, Rubber Surround	8"(203 mm) Graphite Cone, Rubber Surround
Frequency Range+/-3	90Hz-20kHz	140Hz-20kHz	65Hz-20kHz	90Hz-20kHz
Sensitivity	84dB	84dB	86dB	87dB
Termination	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks
Included Accessories	Cut out template grille	Cut out template grille	Cut out template grille	Cut out template grille
Dimensions(H x D)	167.5 x 204.2mm	234.5 x 238.5mm	240 x 264mm	298 x 340mm
Cut Out Diameter	6.88"(175mm)	8.14"(207mm)	8.85"(225mm)	11.8"(300mm)
Material	ABS+Metal	ABS+Metal	ABS+Metal	ABS+Metal
Attachmen	Low-profile grille	Low-profile grille	Low-profile grille	Low-profile grille

PA Wall Speaker

5/6-Inch Wall Speaker

Features:

- Fashionable wall mount speaker for conference and PA application
- Ip66, all weather speaker for indoor and outdoor use(WSP-5TF/WSP-6TF)
- Available in 5 inch, 6 inch
- Quick installation bracket with adjustable angle
- Fashionable appearance with high quality sound



Model	WSP-5T	WSP-5L	WSP-5TF	WSP-6T	WSP-6L	WSP-6TF
Power at 100V	15W	/	10/20W	25W	/	15/30W
Power at 70V	7.5W	/	5/10W	12.5W	/	7.5/15W
Power at 8ohm	/	20W	20W	/	30W	30W
Sensitivity	92dB ± 1dB	92dB ± 1dB	92dB ± 1dB	93dB ± 1dB	93dB ± 1dB	93dB ± 1dB
Frequency Response	70Hz-20kHz	70Hz-20kHz	70Hz-20kHz	65Hz-20KHz	65Hz-20KHz	65Hz-20KHz
Enclosure Material	ABS	ABS	ABS	ABS	ABS	ABS
Installation	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount
Color	Black	Black	Black	Black	Black	Black
Speakers	5"bass, 0.75" tweeter	5"bass, 0.75" tweeter	5"bass, 0.75" tweeter	6"bass, 0.75" tweeter	6"bass, 0.75" tweeter	6"bass, 0.75" tweeter
Package Size	162x162x243mm	162x162x243mm	162x162x243mm	185x180x280mm	185x180x280mm	185x180x280mm

5-Inch Wall Speaker

Features:

- 100V or 8ohm switchable
- Experience rich and crisp audio with our wall mount speaker featuring a dedicated tweeter.
- Mounting this speaker on your wall is a breeze, thanks to a user-friendly design.
- Wide frequency response for balanced sound
- 2-way design for enhanced audio clarity(WP-515T2)
- Suitable for both music and voice applications



Model	WP-515T	WP-515T2
Rated Power	15W@100V, 15W@8ohm	7.5/15W@100V, 15W@8ohm
Max. Power	20W	20W
Frequency Response	80HZ ± 5 ~ 19K ± 1	80Hz ~ 17KHz
Product Size	246x154x120mm	278x117x107mm
Speaker Size	5" woofer+1" tweeter	5.25" woofer+1" tweeter
Sensitivity(1m)	92 ± 1dB	92dB
Installation	Wall mounted	Wall mounted
Color	White	White
Material	ABS	ABS
Net Weight	1.2kg	1.5kg

ABS Wall Speaker

Features:

- ▶ ABS wall mount speaker
- ▶ Elegant outlook
- ▶ With 20/30/40W transformer
- ▶ Black and white available
- ▶ Good for PA and BGM



Model	WP-640FW/B	WP-530FW/B	WP-420FW/B
Power at 100V	40W/20W/10W/OFF/8Ω	30W/15W/7.5W/OFF/8Ω	20W/10W/5W/OFF/8Ω
Power at 70V	20W/10W/5W/OFF/8Ω	15W/7.5W/3.75W/OFF/8Ω	10W/5W/2.5W/OFF/8Ω
SPL(1W/1M)	88dB	88dB	88dB
Max. SPL@ 1M	104dB	103dB	101dB
Freq. Response	70Hz-20KHz	70Hz-20KHz	100Hz-20KHz
Product Size	216x195x300mm	185x167x250mm	160x145x220mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS
Weight	3.3Kg	2.5Kg	2Kg
Color	White as standard, Black optional	White as standard, Black optional	White as standard, Black optional
Speakers	1.5" Treble x1, 6" Bass x1	1" Treble x1, 5" Bass x1	1" Treble x1, 4" Bass x1

High-Fidelity Wall Speaker

Features:

- ▶ Good music reproduction
- ▶ Fashionable appearance
- ▶ Available in BLACK and WHITE color
- ▶ Suitable for conference room and high quality audio demand applications.



WP-420W



WP-540W



WP-660W



WP-880W



Side

Model	WP-420W/B	WP-540W/B	WP-660W/B	WP-880W/B
Power at 100V	5/10/20W; 20W@8 ohm	10/20/40W; 40W@8 ohm	15/30/60W; 60W@8 ohm	20/40/80W; 80W@8 ohm
Power at 70V	2.5/5/10W; 20W@8 ohm	5/10/20W; 40W@8 ohm	7.5/15/30W; 60W@8 ohm	10/20/40W; 80W@8 ohm
SPL(1W/1M)	88dB	88dB	89dB	89dB
Max SPL@ 1M	101dB	103dB	107dB	108dB
Freq. Response	60Hz-18KHz	60Hz-18KHz	60Hz-18KHz	60Hz-18KHz
Dispersion Angel	90x80 degree	90x80 degree	90x80 degree	90x80 degree
Product Size	250x160x150mm	300x170x165mm	345x200x195mm	455x275x260mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1.5Kg	3.4Kg	3.8Kg	7.5Kg
Color	White/Black	White/Black	White/Black	White/Black
Speakers	3/4" x1 (TREBLE) 4"x1(BASS)	1" x1 (TREBLE) 5"x1(BASS)	1" x1 (TREBLE) 6.5"x1(BASS)	1" x1 (TREBLE) 8"x1(BASS)

PA Wall Speaker

Indoor/Outdoor Wall Mount Speaker

Features:

- ▶ All weather loudspeakers for music and speech.
- ▶ Stylish design with great sound
- ▶ Ip66 waterproof finish for all extreme weather applications
- ▶ 4.25"/6.5"/8" weatherproof woofer and 20/25/25VC transparent silk tweeter
- ▶ 2-way speaker system
- ▶ PP Enclosure, and 160 degree aluminum mounting bracket
- ▶ 70V/100V speaker with power tapping or as a low impedance 8 Ohm speaker
- ▶ Supplied with 160° rotatable bracket for horizontal and vertical installation angle adjustment
- ▶ Black and white color optional



Model	WTP-880W/WTP-880B	WTP-660W/WTP-660B	WTP-430W/WTP-430B
Power Taps	20W/40W/80W/OFF-8ohm	10W/20W/40W/OFF-8ohm	5W/10W/20W/OFF-8ohm
Power at 8ohm	100W	60W	30W
Peak Power	160W	80W	60W
SPL@ 1M	98±3dB	94±3dB	89±2dB
Max SPL@ 1M	120dB	112dB	104dB
Freq. Response	50-20KHz	65-20KHz	100-20KHz
Dispersion Angel	Vertical: 80° and Horizontal: 100° (1KHz)		
Product Size	395x260x230mm	315x195x185mm	240x150x140mm
Installation	Wall mount		
Enclosure Material	PP Enclosure and 160-degree metal mounting bracket		
Net Weight	4.9kg	3.5kg	1.6kg
Color	White/black		
Speaker	8" weatherproof woofer and 25VC transparent silk tweeter	6.5" weatherproof woofer and 25VC transparent silk tweeter	4.25" weatherproof woofer and 20VC transparent silk tweeter

Indoor Wall Mount Subwoofer
Features:

- ▶ Indoor wall mount speaker for music and speech
- ▶ Elegant and stylish design with great sound
- ▶ Equipped with a powerful 8-inch subwoofer
- ▶ With built-in low pass filter
- ▶ PP Enclosure, and 360 degree aluminum mounting bracket
- ▶ 70V/100V speaker with power tapping or as a low-impedance 8ohm speaker
- ▶ Supplied with 360degree rotatable bracket for horizontal and vertical installation angle adjustment
- ▶ Black and white color optional



Model	WTP-SUB880W/WTP-SUB880B
Power Taps	25W/50W/100W/OFF-8ohm
Power at 8ohm	120W
Peak Power	200W
SPL@ 1M	85±3dB
Max SPL@ 1M	105dB
Freq. Response	50-500Hz
Dispersion Angel	Vertical: 80° and Horizontal: 100° (75Hz)
Product Size	395x260x230mm
Installation	Wall mount
Enclosure Material	PP Enclosure and 360-degree metal mounting bracket
Net Weight	4.9kg
Color	White/Black
Speaker	8" subwoofer x1

PA Wall Speaker

Ip66 Waterproof Wall Mount Speaker for Outdoor

Description

It is a new design IP66 Waterproof outdoor Wall Mount Speaker, which is Beauty, Durability, Performance and User Friendliness. It delivers high quality audio as well as clean and clear announcements for public address systems. The Unique Rear Covers not only helped to cover the Euroblock Connector and Bypass Selector (PA Transformer) in the rear of the speaker, but also designed to merge seamlessly with the OBE Bass Radiator and the overall design of Speakers. Default white color, black color optional.

Features

- ▶ IP66, all weather wall mount speaker for indoor and outdoor use
- ▶ With power tap for 70V/100V and 8Ω
- ▶ Available in 3inch, 4inch, 5 inch, 6 inch and 8 inch
- ▶ Quick installation with waterproof brackets
- ▶ Fashionable appearance with high quality sound



Model	WIP-310W/WIP-310B	WIP-420W/WIP-420B	WIP-540R	WIP-660R	WIP-880R
Power at 100V	10W@8ohm/OFF/10/5/2.5/1.25W	20W@8ohm/OFF/20/10/5/2.5W	2.5W/5W/10W/20W, 40W@8ohm	5W/10W/20W/40W, 60W@8ohm	6.25W/12.5W/25W/50W, 80W@8ohm
Power at 70V	10W@8ohm/OFF/5/2.5/1.25/0.75W	20W@8ohm/OFF/10/5/2.5/1.25W	1.25W/2.5W/5W/10W, 40W@8ohm	2.5W/5W/10W/20W, 60W@8ohm	3.125W/6.25W/12.5W/25W, 80W@8ohm
Max SPL@ 1M	92dB	96dB	98dB	102dB	105dB
Freq. Response	200Hz~20kHz(+/-3dB)	100Hz~20kHz	75Hz~20KHz	60Hz~20KHz	50Hz~20KHZ
Dispersion Angel	/	/	90x80 degree	90x80 degree	90x80 degree
Product Size	121x101x107mm	217x142x140mm	285x170x161mm	285x200x195mm	382x262x240mm
Installation	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount
Enclosure Material	ABS	ABS	ABS	ABS	ABS
Net Weight	0.7kg	2.1kg	3kg	3.5kg	4.5kg
Color	White/Black	White/Black	White/Black	White/Black	White/Black
Speakers	3" Paper Dual Cone, Rubber Surround	0.75" Silk soft dome, 4" Rubber Surround	5" woofer, 1" tweeter	6.5" woofer, 1" tweeter	8" woofer, 1" tweeter

Ip66 Waterproof Wall Mount Speaker for Outdoor

Features:

- ▶ **All-weather durability:** IP66 rating ensures reliable performance in both indoor and outdoor environments, protecting against dust, water, and extreme weather conditions.
- ▶ **Flexible power options:** Equipped with a power tap for 70V/100V and 8Ω, providing versatility in installation and compatibility with various sound systems.
- ▶ **Size options:** Available in 5, 6 and 8-inch variants, allowing for customization based on the space and desired audio coverage.
- ▶ **Easy installation:** Quick installation facilitated by waterproof brackets.
- ▶ **Stylish design, superior sound:** Combines a fashionable appearance with high-quality sound reproduction, enhancing the ambiance of any indoor or outdoor setting while delivering clear and immersive audio experiences.



WSP-540W



WSP-660W



WSP-880W



Model	WSP-540W/WSP-540B	WSP-660W/WSP-660B	WSP-880W/WSP-880B
Power at 100V	2.5W/5W/10W/20W, 40W@8ohm	5W/10W/20W/40W, 60W@8ohm	6.25W/12.5W/25W/50W, 80W@8ohm
Power at 70V	1.25W/2.5W/5W/10W, 40W@8ohm	2.5W/5W/10W/20W, 60W@8ohm	3.125W/6.25W/12.5W/25W, 80W@8ohm
Max. SPL@1m	98dB	102dB	105dB
Freq. Response	95Hz~20kHz ±3	95Hz~20kHz ±3	45Hz~20kHz ±3
Product Size	275x170x168mm	285x200x195mm	380x249x280mm
Installation	Wall Mount	Wall Mount	Wall Mount
Enclosure Material	PP	PP	PP
Termination	Standard Pressed connector	Standard Pressed connector	Standard Pressed connector
Woofers	5" (125mm) Paper+wool Cone, Rubber Surround	6.5" (165mm) Paper+wool Cone, Rubber Surround	8" (203mm) Paper+wool Cone, Rubber Surround
Tweeter	0.75" (20 mm) Aluminum dome	0.75" (20 mm) Aluminum dome	1" (25 mm) Aluminum dome
Net Weight	3.5kg	4.6kg	6.8kg
Color	White/Black	White/Black	White/Black

PA Wall Speaker

WP-430S

- ▶ Weather proof wall speaker
- ▶ Mini size yet powerful sound
- ▶ With 30W transformer

IP 44 for water resistant application



WP-610

- ▶ ABS wall mount speaker
- ▶ Elegant outlook
- ▶ With 10W transformer
- ▶ Good for PA and BGM



WP-610C

- ▶ ABS speaker
- ▶ Mini size yet powerful sound
- ▶ With 10W transformer
- ▶ Good for PA and BGM



WP-610T

- ▶ ABS speaker
- ▶ Mini size yet powerful sound
- ▶ With 10W transformer
- ▶ Good for PA and BGM



Model	WP-430S	WP-610	WP-610C	WP-610T
Power at 100V	7.5/15/30W; 30W@ 8ohm	10W	5/10W	6/10W
Power at 70V	3.75/7.5/15W; 30W@ 8ohm	5W	2.5/5W	3/5W
SPL(1W/1M)	90dB	91dB	92dB	92dB
Max SPL@ 1M	105dB	100dB	102dB	102dB
Freq. Response	130Hz~18KHz	150Hz~15KHz	150Hz~15KHz	150Hz~15KHz
Dispersion Angel	90x80 degree	NA	100x100 degree	90x80 degree
Product Size	290x295x150mm	350x240x100mm	260x185x120mm	275x182x120mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS	ABS
Weight	3.0Kg	1.4Kg	1.3Kg	1.38Kg
Color	White/Black	White	White	White
Speakers	1" x1 (TREBLE) 4"x1(BASS)	6.5" x1 full range	6.5" x1 full range	1" x1 (TREBLE) 6.5"x1(BASS)

WP-506S

- ▶ Moisture proof wall speaker
- ▶ Compact and light weight
- ▶ With 6W transformer

Moisture proof for damp application



WP-420C

- ▶ ABS Cabinet speaker
- ▶ Mini size yet powerful sound
- ▶ With 20W transformer
- ▶ Good for Mosque



WP-106T

- ▶ Multiple wiring terminals to adapt to different occasions
- ▶ Easy installation
- ▶ Durable, no deformation, no fading
- ▶ High sensitivity, clear and bright sound



WP-606WEN

- ▶ Indoor wooden wall speaker
- ▶ Elegant outlook
- ▶ Good for PA and BGM
- ▶ With 6W transformer
- ▶ EN 54 Part 24 compliance



Model	WP-506S	WP-420C	WP-106T	WP-606WEN
Power at 100V	3/6W	20W	3/6/10W	0.75W/1.5W/3W/6W
Power at 70V	1.5/3W	10W	1.5/3/5W	0.37/0.75W/1.5W/3W
SPL(1W/1M)	91dB	91dB	92dB	91dB
Max SPL@ 1M	98dB	104dB	99dB	101dB
Freq. Response	150Hz~15KHz	55Hz~18KHz	160~18KHz	133Hz~18KHz
Dispersion Angel	180x180 degree	NA	NA	180*180degree
Product Size	175x220x100mm	215x155x129mm	183x274x110mm	dia255*196*84
Installation	Wall mounted	Wall mounted	Wall mount	wall
Enclosure Material	ABS	ABS	ABS	wood
Weight	0.8Kg	1.5Kg	1.75kg	1.7KG
Color	White	White/Black	White shell and grey mesh	White
Speakers	5" x1 full range	1.5 " x1 (TREBLE) 4"x1(BASS)	6.5 " x1 woofer , 2 " x1 tweeter	6"*1 full range

Ultra-thin Wall Mount Speaker
Features:

- ▶ Extremely slim design — only 35.6 mm thickness
- ▶ 2-way design with tweeter for bright and clear sound
- ▶ 100V and 8ohm versions are available
- ▶ Compact and stylish wall-mounted appearance
- ▶ Ideal for PA and background music applications



Model	WSP-512B/W	WSP-512TB/W
Rated Power	12W@8Ω	6W/12W@100V
Frequency Response	120Hz-20kHz	
Sensitivity	90dB	
Max SPL@ 1M	101dB	
Panel Material	ABS	
Speakers Size	5.25" Woofer + 0.5" Tweeter	
Color	Black/White	
Product Size	270*181*35.6mm	
Net Weight	1.03kg	

Waterproof Wall Mount Speaker
Features:

- ▶ ABS wall mount speaker
- ▶ Elegant outlook
- ▶ With 6W transformer
- ▶ Good for PA and BGM
- ▶ IP54 for wet and humid half outdoor application.


IP54
LT-116

IP54
WP-306W

Model	LT-116	WP-306W
Power at 100V	3W/6W	3W/6W
Power at 70V	1.5W/3W	1.5W/3W
Sensitivity(1M/1W)	91dB	82dB±2dB
Max SPL@ 1M	96dB	87dB±2dB
Freq. Response	140Hz-14KHz	200Hz-12KHz
Installation	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS
Size	188 × 228 × 101mm	126 × 154 × 69mm
Net Weight	0.8kg	0.43kg
Color	White	White
Speaker Driver	4.5" woofer × 1	3" woofer × 1

PA Wall Speaker

IP55 Waterproof Wall Speaker

Features

- ▶ **80W High Power Output:** Delivers strong and clear audio performance.
- ▶ **IP55 Waterproof Rating:** Designed for outdoor environments, providing resistance to dust and water.
- ▶ **PA and BGM Compatibility:** Suitable for both Public Address systems and Background Music applications.
- ▶ **Durable Plastic Enclosure:** Made with high-quality plastic material for durability and longevity in all-weather conditions.
- ▶ **Wide Sound Coverage:** Designed to evenly distribute sound across large areas, perfect for both indoor and outdoor use.



Model	WP-680B/WP-680W	WP-680LB/WP-680LW
Power at 8Ω	80W	80W
Power at 100V	80W/40W/20W/10W	/
Power at 70V	40W/20W/10W/5W	/
Peak Power	200W	200W
Sensitivity	96±3dB	96±3dB
Frequency Response	80Hz-18KHZ	80Hz-18KHZ
Coverage Angle (1KHz/-6dB)	<110°	<110°
Dimensions (HxWxD) (mm)	200x220x212mm	200x220x212mm
Weight	4.7Kg	4.6Kg
Color	Black/White	Black/White
Speakers	6.5" Wooferx1, 1" Tweeter x1	6.5" Wooferx1, 1" Tweeter x1

PA Wall Speaker

3-Inch Wall Speaker for Outdoor



IP66



Features:

- ▶ ABS mini wall speaker at high performance
- ▶ Fashionable outlook
- ▶ With 100V line transformer
- ▶ Good for PA and BGM
- ▶ Waterproof for outdoor use

Model	HW-310P	HW-310T (With 100V line transformer)
Power	15W Program 8 ohms	1.25/ 2.5/5/10W
Max SPL@ 1M	100dB	100dB
Freq. Response	200Hz-20KHz	200Hz-20KHz
Installation	360 degree wall mount bracket	360 degree wall mount bracket
Enclosure Material	ABS	ABS
Product Size	91H*97W*107D mm	91H*97W*107D mm
Cutout Size	Dia 225mm	Dia 225mm
Color	Black standard,white optional	Black standard,white optional
Speakers	3" paper cone, foam cotton surround	3" paper cone, foam cotton surround

3.5-Inch Wall Speaker

Features:

- ▶ 3.5-inch coaxial wall speaker
- ▶ ABS mini wall speaker at high performance
- ▶ Elegant outlook
- ▶ With 100V line transformer
- ▶ Good for PA and BGM

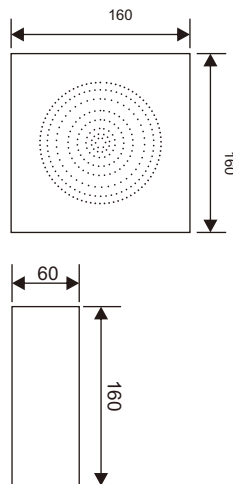


Model	HW-420B
Power at 100V	20W/10W, 20W@16ohm
Power at 70V	10W/5W, 20W@16ohm
Sensitivity	85±2dB
Max. SPL	99±2dB
Woofer	3.5" coaxial
Frequency Response	120Hz-20kHz
Housing Material	ABS
Color	Black
Product Dimensions	138x125x149mm, 138x125x187mm(with bracket)
Net Weight	1.23kg

Vandal Proof Wall Speaker

Features:

- ▶ Conform to Fire protection Norm-BS 5839
- ▶ Corrosion-resistant powder coating
- ▶ Ceramic clamp + thermofuse
- ▶ Ball proof
- ▶ Vandal proof



Model	WM-506VP
Frequency response	120-10KHz
Sensitivity(1M/1W)	92dB
Power handling	6W
Power taps	0.75W/1.5W/3W/6W
Line Input	100V
Dimension	160*160*60mm
Material	Iron
Component	5"
Color	Grey
Character	Non-flammable
Unit weight	1.4kg
Speaker	
Voice coil size	PSV 14.28*0.1*2 player
DC impedance	7.3Ω
Former	Paper
Magnet	Ferrite(106g) Dia 55*24*10(Y30)
Basket	Iron
Cone material	Paper
Spider	Cloth
Dust cap	Paper
Net weight	220g

Pendant Speaker

Pendant Speaker

Features:

- ▶ Innovative & unique design
- ▶ Wide opening angle
- ▶ Ceiling suspension or wall mount optional
- ▶ With high-quality polypropylene enclosure
- ▶ Adopt acoustic engineering craftsmanship
- ▶ Provide premium performance for demanding applications
- ▶ Suitable for bars, restaurants, retail, education, public facilities, corporate spaces, sport facilities

W: White Color, B: Black Color



HWS BRC



HWS GRC

Wall mount and ground mount bracket for HWS series 4 inch, 5 inch, and 6 inch; 8 inch not applicable.

Model	HWS-440W/B	HWS-550W/B	HWS-660W/B	HWS-880W/B
Tweeter	0.75"(20 mm) Silk soft dome	1"(25mm) Silk soft dome	1"(25mm) Silk soft dome	1.1"(28 mm) Silk soft dome
Woofer	4"(100 mm) Graphite Cone , Rubber Surround	5" (125mm) Graphite Cone , Rubber Surround	6.5" (165 mm) Graphite Cone , Rubber Surround	8"(203 mm) Graphite Cone , Rubber Surround
Frequency Range+/-3	80 Hz-20k Hz	98 Hz-20k Hz	51 Hz-20k Hz	44 Hz-20k Hz
Power Handling RMS	40W 8 ohms	50W, 8 ohms	60W, 8 ohms	80W, 8 ohms
Sensitivity	83 dB	84 dB	85 dB	86 dB
Dispersion Angle	110°	100°	95°	80°
Taps	8 Ω ,0,20W,10W,5W,2.5W	8 Ω ,0,30W,15W,7.5W,3.75W	8 Ω ,0,40W,20W,10W,5W	8 Ω ,0,50W,25W,12.5W,6.25W
Impedance	8 ohms	8 ohms	8 ohms	8 ohms
Termination	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks
Attachment	Brackets/Safety rope	Brackets/Safety rope	Brackets/Safety rope	Safety rope
Dimensions W*H	Dia 155 x 215mm	Dia 190 x 250mm	Dia 230 x 300mm	Dia 270 x 343mm
IP Rating	IP66	IP66	IP66	IP66
Material	PP	PP	PP	PP

Pendant Subwoofer
Features:

- ▶ Innovative & unique design
- ▶ Wide opening angle
- ▶ Ceiling suspension
- ▶ With high-quality polypropylene enclosure
- ▶ Adopt acoustic engineering craftsmanship
- ▶ Provide premium performance for demanding applications
- ▶ Powerful deep bass extension for immersive low-frequency impact.
- ▶ Suitable for bars, restaurants, retail, education, public facilities, corporate spaces, sport facilities

W: White Color,B: Black Color



Model	HWS-660BS/HWS-660WS	HWS-880BS/HWS-880WS
Woofer	6.5" (165 mm) Graphite Cone, Rubber Surround	8" (203 mm) Graphite Cone, Rubber Surround
Frequency Range(±3)	70 Hz-200 Hz	80 Hz-500 Hz
Power Handling	80W@4ohm	100W@4ohm
Sensitivity	84 dB	85 dB
Taps	4ohm,80W,0,40W,20W,10W,5W	4ohm,100W,0,50W,25W,12.5W,6.25W
Termination	Pluggable Terminal Blocks	Pluggable Terminal Blocks
Attachment	Safety rope	Safety rope
Dimensions (H*W)	300mm x 230mm	343mm x 270mm
Material	PP	PP
Color	Black/White	Black/White

Pendant Speaker

Pendant Speaker with OBE Technology

Features:

- ▶ Innovative & unique design
- ▶ Wide opening angle
- ▶ Ceiling suspension or wall mount optional
- ▶ With high-quality polypropylene enclosure
- ▶ Adopt acoustic engineering craftsmanship
- ▶ Provide premium performance for demanding applications
- ▶ Suitable for bars, restaurants, retail, education, public facilities, corporate spaces, sport facilities

W: white color, B: black color



OBE Technology adds more bass



HWS BRC



HGS BRC

Wall mount and ground mount bracket for HWB series 4 inch, 5 inch, and 6 inch; 8 inch not applicable.

Model	HWB-440W/B	HWB-550W/B	HWB-660W/B	HWB-880W/B
Tweeter	0.75"(20 mm) Silk soft dome	1"(25mm) Silk soft dome	1" (25mm) Silk soft dome	1.1"(28 mm) Silk soft dome
Woofer	4" (100 mm) Graphite Cone, Rubber Surround	5" (125mm) Graphite Cone, Rubber Surround	6.5" (165 mm) Graphite Cone, Rubber Surround	8" (203 mm) Graphite Cone, Rubber Surround
Frequency Range+/-3	80 Hz~20k Hz	50 Hz~20k Hz	47 Hz~20k Hz	37 Hz~20k Hz
Power Handling RMS	40W program	60W program	60W program	80W program
Sensitivity	83 dB	84 dB	85 dB	86 dB
Taps	8 Ω ,0.20W,10W,5W,2.5W	8 Ω ,0.30W,15W,7.5W,3.75W	8 Ω ,0.40W,20W,10W,5W	8 Ω ,0.50W,25W,12.5W,6.25W
Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Termination	Pluggable Terminal Blocks	Standard pressed connector	Pluggable Terminal Blocks	Pluggable Terminal Blocks
Attachment	Brackets grille	Brackets grille	Safety rope	Safety rope
Dimensions H*W	235mm x 147.8mm	268mm x 183.5mm	282mm x 214mm	375mm x 253.4mm

Directional Speaker

PJ-510M

- ▶ Weather proof projector
- ▶ Steady aluminum enclosure
- ▶ With 10W transformer

IP 55



PJ-510B

- ▶ Weather proof projector
- ▶ Steady aluminum enclosure
- ▶ With 10W transformer

IP 55



PJ-510P

- ▶ ABS projector
- ▶ Mini size yet powerful sound
- ▶ With 10W transformer
- ▶ Good for PA and BGM

IP 55



PJ-510PEN

- ▶ Elegant outlook
- ▶ Weather proof projector
- ▶ With 2 cable entries
- ▶ With 10W transformer
- ▶ EN 54 Part 24 compliance

IP 55



PJ-510PH EN

- ▶ Elegant outlook
- ▶ Weather proof projector
- ▶ With 10W transformer
- ▶ EN 54 Part 24 compliance
- ▶ Steel wire inside the cable ensures safe hanging

IP 55



Model	PJ-510M	PJ-510B	PJ-510P	PJ-510PEN	PJ-510PH EN
Power at 100V	10W/20W	2.5/5/10W	5/10W	1.25W/2.5W/5W/10W	1.25W/2.5W/5W/10W
Power at 70V	2.5/5W	1.25/2.5/5W	2.5/5W	0.63W/1.25W/2.5W/5W	0.63W/1.25W/2.5W/5W
SPL(1W/1M)	91dB	91dB	91dB	92dB	92dB
Max SPL@ 1M	100dB	100dB	100dB	102dB	102dB
Freq. Response	130Hz~15KHz	130Hz~15KHz	130Hz~15KHz	130Hz~17KHz	130Hz~17KHz
Dispersion Angel	100 degree	100 degree	100 degree	100degree	100degree
Product Size	Dia 138 × 205mm	Dia 138 × 205mm	Dia 135x 205mm	dia135*205mm	dia135*205mm
Installation	Wall or ceiling	Wall or ceiling	Wall or ceiling	Wall	Hang
Enclosure Material	Aluminum	Aluminum	ABS	ABS	ABS
Weight	2.2Kg	2.9Kg	1.5Kg	1.7KG	2KG
Color	White	White	White	White	White
Speakers	5"x1 full range	5"x2 full range	5"x1 full range	5"x1 full range	5"x1 full range

PJ-620M

- ▶ Weather proof projector
- ▶ Steady aluminum enclosure
- ▶ With 20W transformer

IP 55



PJ-620B

- ▶ Weather proof projector
- ▶ Steady aluminum enclosure
- ▶ With 20W transformer
- ▶ Bi Direction

IP 55 and bi directional



PJ-520PEN

- ▶ Elegant outlook
- ▶ Weather proof projector
- ▶ With 2 cable entries
- ▶ With 20W transformer
- ▶ EN 54 Part 24 compliance

IP 55



PJ-520MEN

- ▶ Elegant outlook
- ▶ Weather proof projector
- ▶ Steady aluminum enclosure
- ▶ With 2 cable entries
- ▶ With 20W transformer
- ▶ EN 54 Part 24 compliance

IP 55



PJ-520MH EN

- ▶ Elegant outlook
- ▶ Weather proof projector
- ▶ Steady aluminum enclosure
- ▶ With 20W transformer
- ▶ EN 54 Part 24 compliance
- ▶ Steel wire inside the cable ensures safe hanging

IP 55



Model	PJ-620M	PJ-620B	PJ-520PEN	PJ-520MEN	PJ-520MH EN
Power at 100V	10/20W	10/20W	1.25W/2.5W/5W/10W/20W	2.5W/5W/10W/20W	2.5W/5W/10W/20W
Power at 70V	5/10W	5/10W	0.63W/1.25W/2.5W/5W/10W	1.25W/2.5W/5W/10W	1.25W/2.5W/5W/10W
SPL(1W/1M)	92dB	92dB	92dB	93dB	93dB
Max SPL@ 1M	103dB	103dB	105dB	106dB	106dB
Freq. Response	110Hz~15KHz	110Hz~15KHz	130Hz~17KHz	130Hz~17KHz	130Hz~17KHz
Dispersion Angel	120 degree	320 degree	100degree	100degree	100degree
Product Size	Dia 170 × 252mm	Dia 170 × 252mm	dia135*205mm	dia138*205mm	dia138*205mm
Installation	Wall or ceiling	Wall or corridor	Wall	Wall	Hang
Enclosure Material	Aluminum	Aluminum	ABS	Aluminum	Aluminum
Weight	2.8Kg	3.4Kg	1.8KG	2.4KG	2.7KG
Color	White	White	White	White	White
Speakers	6.5"x1 full range	6.5"x2 full range	5"x1 full range	5"x1 full range	5"x1 full range

Horn Speaker

HS-66Q

- ▶ Water proof horn for outdoor
- ▶ High IP rating
- ▶ With 10W transformer



HS-67Q

- ▶ Water proof horn for outdoor
- ▶ High IP rating
- ▶ With 15W transformer



HS-68Q

- ▶ Water proof horn for outdoor
- ▶ High IP rating
- ▶ With 30W transformer



HS-69Q

- ▶ Music Horn speaker
- ▶ High dB yet good for BGM
- ▶ With 30W transformer
- ▶ Good for PA and BGM



Model	HS-66Q	HS-67Q	HS-68Q	HS-69Q
Power at 100V	5/10W	7.5/15W	15/30W	15/30W
Power at 70V	2.5/5W	3.75/7.5W	7.5/15W	7.5/15W
Sensitivity (1W/1M at 500 to 2,500Hz Peak Level)	110dB	112dB	113dB	97db
Max SPL@ 1M	120dB	123dB	127dB	110db
Freq. Response	400Hz-8KHz	400Hz-5KHz	400Hz-7.5KHz	120Hz-15KHz
Dispersion Angel	230 degree	230 degree	230 degree	70 x 90 degree
Product Size	180x130x190mm	222x162x232mm	285x205x290mm	280 x 360x 170mm
Installation	Bracket mount	Bracket mount	Bracket mount	Bracket mount
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1.15Kg	1.36Kg	2.2Kg	3kg
Color	White	White	White	White

HN-10P

- ▶ Water proof horn for outdoor
- ▶ High IP rating
- ▶ With 10W transformer

IP 67



HN-15P

- ▶ Water proof horn for outdoor
- ▶ High IP rating
- ▶ With 15W transformer

IP 67



HN-30P

- ▶ Water proof horn for outdoor
- ▶ High IP rating
- ▶ With 30W transformer

IP 67



HN-50P

- ▶ Music Horn speaker
- ▶ High dB yet good for BGM
- ▶ With 50W transformer
- ▶ Good for PA and BGM

IP 66



Model	HN-10P	HN-15P	HN-30P	HN-50P
Power at 100V	1.25/2.5/5/10; 10W @8ohm	1.9/3.8/7.5/15; 15W @8ohm	3.8/7.5/15/30; 30W @8ohm	2.6W/4.5W/9W/12.5W/25W/50W, 50W@8ohm
Power at 70V	0.63/1.25/2.5/5; 10W @8ohm	0.95/1.9/3.75/7.5; 15W @8ohm	1.9/3.75/7.5/15; 30W @8ohm	1.3W/2.25W/4.5W/6.25W/25W, 50W@8ohm
Sensitivity (1W/1M at 500 to 2,500Hz Peak Level)	111dB	113dB	114dB	98dB
Max SPL@ 1M	121dB	124dB	128dB	113dB
Freq. Response	400Hz-8KHz	300Hz-8KHz	350Hz-8KHz	100Hz-18KHz
Dispersion Angel	230 degree	130 degree	103 degree	70 x 90 degree
Product Size	Dia140x190mm	Dia200x230mm	Dia240x290mm	250x360x310mm
Installation	Bracket mount	Bracket mount	Bracket mount	Bracket mount
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1Kg	1.3Kg	2.1Kg	4Kg
Color	Light grey	Light grey	Light grey	Light Grey

Ip67 Waterproof Horn Speaker

- ▶ Heavy duty aluminum Wide range Horn
- ▶ Water proof for any hot, rainy or hazard outdoor applications
- ▶ Good for Mosque and other long distance voice transmission

IP 67

HN-15T

HN-30T

HN-50T

Model	HN-15T	HN-30T	HN-50T
Power at 100V	3/5/10/15W; 15W@ 8 ohm	3/5/10/15/30W; 30W@ 8 ohm	7.5/15/30/50W; 50W@ 16 ohm
Power at 70V	1.5/2.5/5/7.5W; 15W@ 8 ohm	1.5/2.5/5/7.5/15W; 30W@ 8 ohm	3.8/7.5/12.5/25W; 50W@ 16 ohm
SPL(1W/1M)	108dB	108dB	110dB
Max SPL@ 1M	120dB	126dB	130dB
Freq. Response	400Hz-6KHz	400Hz-7KHz	160Hz-8KHz
Product Size	Dia 217x238 mm	Dia 305x350 mm	Dia 500x470 mm
Installation	Bracket	Bracket	Bracket
Enclosure Material	Aluminum	Aluminum	Aluminum
Weight	1.3Kg	1.8Kg	3.65Kg
Color	Light Grey	Light Grey	Light Grey

Horn Speaker

H-150D

- ▶ Low impedance Horn Driver
- ▶ Water proof with stainless steel screw for outdoor use
- ▶ Good for Mosque

IP 67



H-100D

- ▶ Low impedance Horn Driver
- ▶ Water proof with stainless steel screw for outdoor use
- ▶ Good for Mosque

IP 67



H-100DT

- ▶ Intelligent Horn Driver
- ▶ Water proof with stainless steel screw for outdoor use
- ▶ With 100W transformer

IP 67



H-60DT

- ▶ High efficient Neodymium magnet
- ▶ Water proof with stainless steel screw for outdoor use
- ▶ With 60W transformer

IP 67



H-30DT

- ▶ Low impedance Horn Driver
- ▶ Water proof with stainless steel screw for outdoor use
- ▶ Good for Mosque

IP 67



Model	H-150D	H-100D	H-100DT	H-60DT	H-30DT; H-50DT
Power at 100V	150W@ 16 ohm	100W@ 16 ohm	50/75/100W; 100W@ 16 ohm	20/40/60W; 60W@ 16 ohm	5/10/15/30W; 15/30/50W
Power at 70V	NA	NA	25/37.5/50W; 100W@ 16 ohm	10/20/30W; 60W@ 16 ohm	2.5/5/7.5/15/30W; 8/15/25/50W
SPL(1W/1M)	115dB	115dB	113dB	115dB	110dB
Max SPL@ 1M	134dB	132dB	132dB	132dB	124dB;130dB
Freq. Response	160Hz-8KHz	160Hz-8KHz	160Hz-7KHz	150Hz-7KHz	300Hz-5KHz
Product Size	Dia 124x110 mm	Dia 124x110 mm	Dia 163x174 mm	Dia 110x154 mm	Dia 108x132 mm
Installation	Fix to Horn	Fix to Horn	Fix to Horn	Fix to Horn	Fix to Horn
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum	Plastic
Weight	2.2Kg	2.2Kg	2.6Kg	2.2Kg	2.1Kg; 2.2Kg
Color	Grey	Grey	Grey	Grey	Grey

HN-50T

- ▶ Wide range Horn
- ▶ Water proof for any outdoor applications
- ▶ Good for Mosque

IP 67



HI Series

- ▶ Horn Housing
- ▶ Work with 13/8-18 TPI thread driver for various applications
- ▶ Available in 20 inch, 22 inch and 24 inch

IP 67



H-400

- ▶ High power 4 drivers speaker
- ▶ Normally use for high demand requirement, like army, ship
- ▶ High sensitivity

IP 67



HE-30T

- ▶ Explosive proof horn
- ▶ Design for hazard environment, like mining, nuclear plant etc.

IP 67

Explosive Proof



Model	HN-50T	HI-20, 22, 24	H-400	HE-30T
Power at 100V	7.5/15/30/50W; 50W@ 16 ohm	NA	400W@ 16 ohm	10/15/25W
Power at 70V	3.8/7.5/12.5/25W; 50W@ 16 ohm	NA	NA	5/7.5/15W
SPL(1W/1M)	110dB	NA	117dB	115±3dB
Max SPL@ 1M	130dB	NA	142dB	NA
Freq. Response	160Hz-8KHz	NA	150Hz-7KHz	350Hz-10KHz
Product Size	Dia 500x470 mm	Dia 20, 22 and 24 inch	Dia 494x522 mm	Dia 250x351 mm
Installation	Bracket	Bracket	Bracket	Bracket
Enclosure Material	Aluminum	Aluminum	Aluminum	ABS
Weight	3.65Kg	NA	8Kg	3.5kg
Color	Grey	Light Grey	Grey	Black

Ultra-Compact Coaxial Two-Way All-weather Horn Speaker
Description

The compact models give systems designers increased flexibility by offering vastly improved music playback, additional coverage patterns and higher output in attractive paintable enclosures. Both models include front-loaded LF drivers in highly reinforced enclosures for natural, non-resonant low frequency reproduction, while identical voicing ensures a uniform listening experience.

Ordering Code:

RC-150: 8 ohm 150W

RC-150T: 100V line 150W

RC-200: 8 ohm 200W

RC-300: 8 ohm 300W

RC-200T: 100V line 200W

RC-300T: 100V line 300W

RC-200 IP : 200W IP Net audio, Powered

RC-300 IP : 300W IP Net audio, Powered

RC-200 SIP : 200W SIP Net audio, Powered

RC-300 SIP : 300W SIP Net audio, Powered

Features:

- ▶ Ultra-compact size, high output
- ▶ Premium music applications
- ▶ full frequency horn, professional, all weather
- ▶ With switch selection 70V, 100V, and 8 ohms
- ▶ With IP, SIP Net audio with our Eco IP system
- ▶ IP 55 for outdoor application



Model	RC-150/RC-150T		RC-200/RC-200T		RC-300/RC-300T	
Rated power	150W@8ohm	18.5W/37.5W/75W/150W@100V 9.5W/18.5W/37.5W/75W@70V 150W @8ohm	200W@8ohm	25W/50W/100W/200W@100V 200W@8ohm	300W@8ohm	37.5W/75W/150W/300W@100V 300W@8 ohm
Maximum power	300W		400W		600W	
Input	8ohm	70V/100V/8ohm	8ohm	70V/100V/8ohm	8ohm	70V/100V/8ohm
Sensitivity (1W/1M)	93dB ± 3dB		103dB ± 3dB		103dB ± 3dB	
Frequency response	80Hz-18KHz		70Hz-18KHz		70Hz-18KHz	
Radiation angle	∠120° / ∠90-100°		∠90-100°		∠60-120°	
Speaker unit	10"*1(Bass), 3"*1(Treble)		10"*1(Bass), 1"*1(Treble)		12"*1(Bass), 1.5"*1(Treble)	
Color	White		Black		Black	
Product size	345*355*297mm		385*355*348mm		375*435*395mm	
Weight	10.5KG/11KG		13.5KG/15KG		18.5KG/20KG	

Two-Way All-Weather Horn Speaker

Description:

This high-power outdoor waterproof loudspeaker has the functions of fireproof, anticorrosion, and waterproof, and can adapt to various extreme climates and different environments. It is suitable for public places such as stadiums, schools, troops, air defense alarms, rural broadcasting, seaside beaches, highways, mines, chemical plants, etc.

Features

- ▶ All-weather design, the shell made by aerospace industry technology, is resistant to acid and alkali, salt spray, and can withstand high-strength impact and vibration.
- ▶ The maximum output sound pressure level can reach more than 139dB at 1 meter, the music effect transmission is more than 400 meters, and the voice transmission distance is more than 500 meters.
- ▶ Aviation composite material, high strength, light weight and good protection performance.
- ▶ Waterproof, dustproof, shock and vibration proof.

Ordering Code:

RM-150V: 8 inch 100V line 100W, 150W at 8ohm
RM-150L IP : 8 inch 150W IP Net audio, Powered
RM-150L SIP : 8 inch 150W SIP Net audio, Powered
RM-200V: 10 inch 100V line 150W, 200W at 8ohm
RM-200L IP : 10 inch 200W IP Net audio, Powered
RM-200L SIP : 10 inch 200W SIP Net audio, Powered
RM-300V: 12 inch 100V line 250W, 300W at 8ohm
RM-300L IP : 12 inch 300W IP Net audio, Powered
RM-300L SIP : 12 inch 300W SIP Net audio, Powered
RM-400V: 15 inch 100V line 400W, 400W at 8ohm
RM-400L IP : 15 inch 400W IP Net audio, Powered
RM-400L SIP : 15 inch 400W SIP Net audio, Powered



Model	RM-150V	RM-200V	RM-300V	RM-400V
Rated Power	100W@100V, 150W@8ohm	150W@100V, 200W@8ohm	250W@100V, 300W@8ohm	400W@100V, 400W@8ohm
Input	100V/ 8ohm	100V/ 8ohm	100V/ 8ohm	100V/ 8ohm
Freq. Response	70HZ-20KHZ	70HZ-20KHZ	70HZ-20KHZ	70HZ-20KHZ
Sensitivity	96dB	100dB	102dB	104dB
Max. SPL	110dB	120dB	124.8dB	139dB
Speaker	8"x1(Bass) 3"(44core) x1(Treble)	10"x1(Bass) 3"(44core) x1(Treble)	12"x1(Bass) 3"(75 core) x1(Treble)	15"x1(Bass) 3"(75 core) x1(Treble)
Color	White	White	White	Green
Dimension	NA	NA	460x420x420mm	490x490x480mm
Weight	16kgs	18kgs	28kgs	33kgs

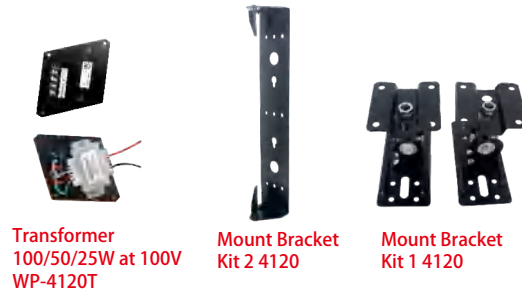
Wall Speaker

Features:

- ▶ Long low impedance speaker with adjusted directivity
- ▶ Good for high demand audio environment



Optional accessories to order



Transformer
100/50/25W at 100V
WP-4120T

Mount Bracket
Kit 2 4120

Mount Bracket
Kit 1 4120

Model	WP-4120W/B
Rated Power	150W@8ohm
SPL(1W/1M)	90dB
Max SPL@ 1M	111dB
Freq. Response	130Hz–15KHz
Dispersion Angel	90x80 degree
Product Size	600x145x170mm
Installation	Wall mounted
Enclosure Material	ABS
Weight	6.8Kg
Color	White/Black
Speakers	4.5" x5 full range

Two-Way All-Weather Horn Speaker



Description

The compact models give systems designers increased flexibility by offering vastly improved music playback, additional coverage patterns and higher output in attractive paintable enclosures.

Both models include front-loaded LF drivers in highly reinforced enclosures for natural, nonreasoning low frequency reproduction, while identical voicing ensures a uniform listening experience.

Features:

- ▶ Ultra-compact size, high output
- ▶ Premium music applications
full frequency horn, professional, all weather
- ▶ With switch selection 70V, 100V, and 8 ohms
- ▶ With IP, SIP Net audio with our Eco IP system
- ▶ IP 55 for outdoor application

Ordering Code:

RC-10V: 250W@8ohm ; 150W@100V
 RC-10 IP : 250W IP Net audio, Powered
 RC-10 SIP : 250W SIP Net audio, Powered
 RC-12V: 400W@8ohm; 250W@100V
 RC-12 IP : 400W IP Net audio, Powered
 RC-12 SIP : 400W SIP Net audio, Powered
 RC-15V: 600W @8ohm; 400W @100V
 RC-15 IP : 600W IP Net audio, Powered
 RC-15 SIP : 600W SIP Net audio, Powered

Model	RC-10V	RC-12V	RC-15V
Rated power	250W@8ohm ; 150W@100V	400W@8ohm; 250W@100V	600W @8ohm; 400W @100V
Maximum power	500W	800W	1200W
Input	8ohm/100V	8ohm/100V	8ohm/100V
Sensitivity (1W/1M)	99dB / 96dB ± 3dB	99dB / 96dB ± 3dB	100dB / 99dB ± 3dB
Sensitivity Max	119dB / 116dB ± 3dB	124dB / 121dB ± 3dB	127dB / 124dB ± 3dB
Frequency response	70Hz–20KHz	70Hz–20KHz	70Hz–20KHz
Material	Fiber glass body, Metal frame	Fiber glass body, Metal frame	Fiber glass body, Metal frame
Speaker unit	10" 75VC bass + 44 VC treble	12" 75VC bass + 44 VC treble	15" 75VC bass + 75 VC treble
Product size	630*450*450mm	760*580*580mm	760*580*580mm
Weight	26KG	33KG	35KG

Speakers-Pro Line

Compact Outdoor Line Array Speaker

Features

- ▶ Controllable coverage features for 60, 45, 30, and 15 degree
- ▶ Ideal for both permanent and temporary installations, including both vertical and horizontal positioning.
- ▶ Equipped with a convenient carrying handle.
- ▶ Can be mounted directly on a wall or suspended by wire, chain or shackle with no need to use optional brackets.
- ▶ Optional mounting brackets allow use in a wide variety of applications, including suspension, ceiling mount, wall mounting, and speaker stand mounting.



Transformer



LA-200BRR



LA-200BRC

Ordering Code

LA-200: 200W outdoor Line array speaker 8 OHM

LA-200T: 200W outdoor Line array speaker with Transformer

LA-200BRC: LA-200 Ceiling mounting bracket, optional to order

LA-200BRR: LA-200 Rigging frame, optional to order

LA-200BRCB3: LA-200 Hanging cable 3 Meter*3, optional to order

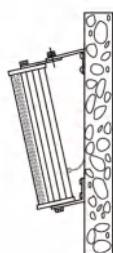
LA-200BRCB5: LA-200 Hanging cable 5 Meter*3, optional to order

LA-200BRCB10: LA-200 Hanging cable 10 Meter*3, optional to order

Model	LA-200T	LA-200
Enclosure	Bass-reflex type	
Power at 100V	30/60/120/200W	/
Power at 8ohm	/	200W
Sensitivity (1 W, 1m)	96 dB (60° mode), 97 dB (45° mode), 98 dB (30° mode), 99 dB (15° mode).	
Frequency Response	70 to 20,000 Hz(60° mode), 75 to 20,000 Hz(45° mode)	
(Deviation-10 dB)	80 to 20,000 Hz(30° mode), 85 to 20,000 Hz(15° mode)	
Crossover Frequency	4 kHz	
Directivity Angle	Horizontal: 100 (over 2,000 Hz) Vertical: 60° (over 800 Hz), 45° (over 1.2 kHz), 30° (over 1.6 kHz), 15° (over 3.2 kHz) variable	
Speaker	Low frequency: 12 cm (5") cone-type x 4 High frequency: Balanced dome-type x 12	
Input Terminal	Two core wire	
Color (Enclosure)	Polypropylene, white	
Dimensions	408(w) x 546(h) x 342(d) mm	
Color	White/Black	
Weight	18kg	16kg

Indoor Column Speaker
Features:

- ▶ Indoor column speaker with slim body to produce good music effects
- ▶ Excellent frequency response
- ▶ 70-100V transformer input


Rear

LM-210

LM-220

LM-230

LM-240

Model	LM-210	LM-220	LM-230	LM-240
Power at 100V	5/10W	10/20W	15/30W	20/40W
Power at 70V	2.5/5W	5/10W	7.5/15W	10/20W
SPL(1W/1M)	90dB	90dB	92dB	92dB
Max SPL@ 1M	100dB	102dB	104dB	107dB
Freq. Response	160Hz-16KHz	160Hz-16KHz	130Hz-18KHz	130Hz-16KHz
Dispersion Angel	90x100 degree	90x110 degree	90x110 degree	80x110 degree
Product Size	260x105x75mm	405x105x75mm	548x105x75mm	690x105x75mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	1.3Kg	2Kg	2.7Kg	3.5Kg
Color	White	White	White	White
Speakers	2.5" x2 full range	2.5" x4 full range	2.5" x6 full range	2.5" x8 full range

Column Speaker

Indoor and Outdoor Column Speaker

Features:

- ▶ Aluminum wall mount speaker at stylist design with excellent frequency response
- ▶ 70-100V transformer input, and hi-fi Sound
- ▶ The speaker is suitable for both background music and paging.
- ▶ IP 44 for outdoor use

Default Color is Titanium Color.
White and Khaki are optional



Model	LSA-440	LSA-430	LSA-420	LSA-410
Power at 100V	20/40W	15/30W	10/20W	5/10W
Power at 70V	10/20W	7.5/15W	5/10W	2.5/5W
SPL(1W/1M)	95dB	94dB	93dB	91dB
Max SPL@ 1M	110dB	108dB	106dB	101dB
Freq. Response	150Hz-18KHz	150Hz-18KHz	150Hz-18KHz	150Hz-18KHz
Dispersion Angel	180x50 degree	180x50 degree	180x50 degree	180x50 degree
Product Size	145x145x575mm	145x145x475mm	145x145x375mm	145x145x275mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	4.1Kg	3.2Kg	2.5Kg	1.8Kg
Color	Khaki, White, Titanium Color(Light Grey)	Khaki, White, Titanium Color(Light Grey)	Khaki, White, Titanium Color(Light Grey)	Khaki, White, Titanium Color(Light Grey)
Speakers	4"x4 bass, 1"x1 treble	4"x3 bass, 1"x1 treble	4"x2bass, 1"x1 treble	4"x1bass, 1"x1 treble

Outdoor Column Speaker
Features:

- ▶ Heavy duty aluminum column speaker for outdoor application with high IP rating.
- ▶ Excellent frequency response
- ▶ 70-100V transformer input

IP 44 for outdoor use



Bottom



LM-510T



LM-520T



LM-530T



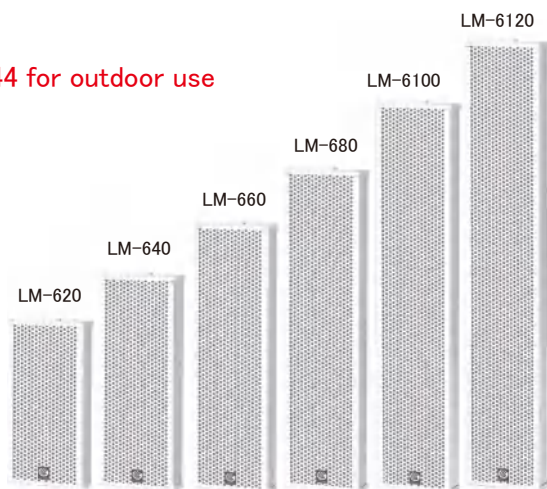
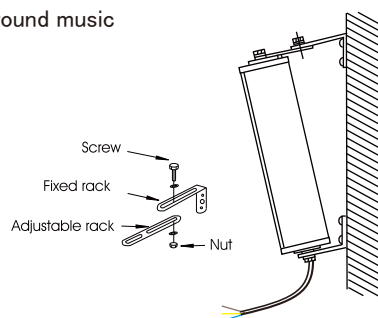
LM-540T

Model	LM-510T	LM-520T	LM-530T	LM-540T
Power at 100V	5/10W	10/20W	15/30W	20/40W
Power at 70V	2.5/5W	5/10W	7.5/15W	10/20W
SPL(1W/1M)	91dB	91dB	92dB	92dB
Max SPL@ 1M	100dB	103dB	104dB	107dB
Freq. Response	130Hz-16KHz	130Hz-16KHz	130Hz-18KHz	130Hz-16KHz
Dispersion Angel	90x90 degree	90x90 degree	90x80 degree	90x80 degree
Product Size	270x115x150mm	390x115x150mm	505x115x150mm	620x115x150mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	2.6Kg	4.1Kg	4.4Kg	5Kg
Color	Light Grey	Light Grey	Light Grey	Light Grey
Speakers	1" x1 (TREBLE) 4"x1(BASS)	1" x1 (TREBLE) 4"x2(BASS)	1" x1 (TREBLE) 4"x3(BASS)	1" x1 (TREBLE) 4"x4(BASS)

Outdoor Column Speaker
Features:

- ▶ Heavy duty aluminum column speaker for outdoor application with high IP rating.
- ▶ Excellent frequency response,
- ▶ Suitable for both background music and paging.

IP 44 for outdoor use



Model	LM-620	LM-640	LM-660	LM-680	LM-6100	LM-6120
Power at 100V	10/20W	20/40W	30/60W	40/80W	50/100W	60/120W
Power at 70V	5/10W	10/20W	15/30W	20/40W	25/50W	30/60W
SPL(1W/1M)	93dB	93dB	94dB	95dB	96dB	96dB
Max SPL@ 1M	105dB	108dB	112dB	116dB	117dB	118dB
Freq. Response	130Hz-16KHz	130Hz-16KHz	130Hz-16KHz	130Hz-16KHz	130Hz-16KHz	130Hz-16KHz
Dispersion Angel	80x100 degree	80x100 degree	80x100 degree	80x100 degree	80x100 degree	80x100 degree
Product Size	304x227x125mm	520x227x125mm	736x227x125mm	952x227x125mm	1168x227x125mm	1384x227x125mm
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Weight	3.2Kg	5Kg	6.8Kg	8.6Kg	10.5Kg	12.5Kg
Color	White	White	White	White	White	White
Speakers	6"x1 Full range	6"x2 Full range	6"x3 Full range	6"x4 Full range	6"x5 Full range	6"x6 Full range

Column Speaker

Outdoor Column Speaker

Description:

This column speaker is ideal for industrial and commercial applications in the outdoor area of train station, shopping mall, parking area and factory where background music and paging is needed.

Features:

- ▶ Waterproof design for outdoor application
- ▶ Speaker net cover ensures dust-proof and anti-pollution
- ▶ Durable and stainless Aluminum alloy box
- ▶ Power adjustable with Power Tag
- ▶ Small size and elegant outlook, suitable for various decoration places
- ▶ Equipped with multifunctional bracket for easy installation

IP66 waterproof level for outdoor use



Model	LT-266	LT-466
Power at 100V	2/4/8/15/30W,30W@8ohm	5/10/20/40/60W,60W@4ohm
Power at 70V	1/2/4/8/15W	2/5/10/20/30W
Sensitivity(1M/1W)	87dB	87dB
Max SPL@ 1M	102dB	102dB
Freq. Response	140Hz-20KHz	140Hz-20KHz
Installation	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum
Weight	3kg	4kg
Product Size(L × W × H)	376 × 109 × 102mm	606 × 109 × 102mm
Color	White or black	White or black
Speaker driver	3" woofer × 2, 2" tweeter × 1	3" woofer × 4, 2" tweeter × 1

Outdoor Column Speaker

Description:

With built-in 70V/100V transformer, LT series column speaker realizes a high-voltage, low-current mode, which makes longer distance transmission and parallel connection of multiple loudspeakers possible. It is designed for outdoor occasions such as station, park, school, square, military camp, industrial park, beach, etc.

Features:

- ▶ Elegant outlook
- ▶ Weatherproof design for outdoor use with high IP rating.
- ▶ Aluminum enclosure & grill
- ▶ Built-in 100V/70V transformer

IPX6 waterproof level for outdoor use



Model	LT-168	LT-268	LT-368	LT-468
Power at 100V	30W/60W	60W/120W	90W/180W	120W/240W
Power at 70V	15W/30W	30W/60W	45W/90W	60W/120W
Sensitivity(1M/1W)	91dB	92dB	93dB	94dB
Max SPL@ 1M	107dB	111dB	114dB	116dB
Freq. Response	80Hz-16KHz	80Hz-16KHz	80Hz-16KHz	80Hz-16KHz
Installation	Wall mounted	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	8.5kg	13kg	17kg	23kg
Product Size(L × W × H)	230x250x430mm	230x250x665mm	230x250x905mm	230x250x1320mm
Color	White	White	White	White
Speaker driver	8" × 1;4" × 1	8" × 2;4" × 1	8" × 3;4" × 1	8" × 4;4" × 2

160W Ferrite Unit Array Acoustic Column Speaker

Description

Designed for small and medium-sized video conference rooms, digital courts, conference centers, lecture halls, lecture halls, other language-based sound reinforcement systems, and background music systems for various architectural spaces such as churches, museums, transportation hubs, and public areas in squares. This model solves a typical problem that the column speaker of the is too large to put on the wall, and it also looks not beautiful and tidy. Through the Constant Beam Technology in the line array sound column speaker, the problem of projection and interference of the traditional conference room speaker is solved. Therefore, in terms of sound performance, it is very good for the human sound reinforcement.



Features:

- ▶ The array column loudspeaker adopts streamlined design with beautiful and practical appearance, which is suitable for sound reinforcement of various architectural spaces in superb sound quality.
- ▶ The sound column speaker are the fiberglass reinforced ABS cabinet, which is sturdy and durable.
- ▶ The circular waveguide hole in the front and the damping port at the rear of the box form a unique low-frequency cardioid diffusion. The treble is crisp and sweet, the sound is natural and thick, and the bass is full.
- ▶ 4*3 inch high performance Ferrite drive unit.
- ▶ ABS cabinet with UV resistant paint at IP55 rating is excellent for both outdoor and indoor applications
- ▶ UL94V-0 anti-flaming grade material (optional). Aluminum mesh cover and anti-rust cabinet.
- ▶ Optional intelligent installation accessories, with level device, quick release handle device, shockproof rubber pad.

Model	LA-100B V2/LA-100W V2
Operating Mode	Switchable between music/speech modes
Input	100V/70V/8ohm
Rated Power	160W/80W/40W@100V 80W/40W/20W@70V 160W@8ohm
Frequency Response	150Hz~14kHz, -6dB/ 80Hz~20kHz, -10dB
SPL (1W/1m)	95dB
Maximum SPL (1W/1m)	123dB
Cabinet Material	ABS plastic and fiberglass
Mesh material	Aluminum
Diffusion Angle (-6dB)	Vertical >20° , Horizontal >120°
Mounting Holes	10 pcs of M6
Installation	Intelligent mounting bracket or embedded mounting bracket
Color	Black/White
Cone Material	Pulp coating
Dimension (H*W*D)	530*100*150mm
Net Weight	4.1kg
Gross Weight	5.38kg
Speaker Driver	4x3" Ferrite

270W Ferrite Unit Array Acoustic Column Speaker

Description

Designed for small and medium-sized video conference rooms, digital courts, conference centers, lecture halls, lecture halls, other language-based sound reinforcement systems, and background music systems for various architectural spaces such as churches, museums, transportation hubs, and public areas in squares. This model solves a typical problem that the column speaker of the is too large to put on the wall, and it also looks not beautiful and tidy. Through the Constant Beam Technology in the line array sound column speaker, the problem of projection and interference of the traditional conference room speaker is solved. Therefore, in terms of sound performance, it is very good for the human sound reinforcement.

Features

- ▶ The array column loudspeaker adopts streamlined design with beautiful and practical appearance, which is suitable for sound reinforcement of various architectural spaces in superb sound quality.
- ▶ The sound column speaker is the fiberglass reinforced ABS cabinet, which is sturdy and durable.
- ▶ The circular waveguide hole in the front and the damping port at the rear of the box form a unique low-frequency cardioid diffusion. The treble is crisp and sweet, the sound is natural and thick, and the bass is full.
- ▶ 8*3-inch high-performance Ferrite drive unit.
- ▶ ABS cabinet with UV resistant paint at IP55 rating is excellent for both outdoor and indoor applications



Ordering Code:

LA-308LB V2: 270W@4OHM, Black

LA-308B V2: 270W@4OHM, 100W@100V, 50W@70V, Switchable between music/speech modes, Black

LA-308LW V2: 270W@4OHM, White

LA-308W V2: 270W@4OHM, 100W@100V, 50W@70V, Switchable between music/speech modes, White

Model	LA-308LB V2/LA-308LW V2	LA-308B V2/LA-308W V2
Operating Modes	/	Switchable between music/speech mode
Input	4ohm	100V/70V/4ohm
Rated Power	270W@4ohm (1080W Peak)	270W@4ohm (1080W Peak) 100W/50W/25W/12.5W@100V 50W/25W/12.5W/6.2W@70V
Sensitivity (1m/1W)	93dB	
Max. SPL	124dB	
Frequency Range	100Hz~20kHz	
Cabinet Material	ABS plastic and fiberglass	
Mesh material	Aluminum	
Diffusion Angle (-6dB)	Vertical >30° , Horizontal >160°	
Installation	Intelligent mounting bracket or embedded mounting bracket	
Color	Black/White	
Dimension (H*W*D)	934x98x150mm	
Net Weight	4.85kg	
Speaker Driver	8x3" Ferrite	

4x2.5" Neodymium Magnet Array Acoustic Column Speaker

Description

Designed for small to medium-sized video conference rooms, digital courtrooms, conference centers, auditoriums, lecture halls, and other speech amplification systems, as well as background music systems in various architectural spaces such as churches, museums, transportation hubs, and public areas like squares. It addresses the issue of traditional conference room speakers being too large and unsightly when wall-mounted.

Features

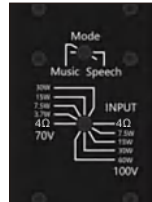
- ▶ 4x2.5" high-performance neodymium magnetic drive units.
- ▶ The array column speaker features a streamlined design with a newly designed Apple Gray color, which is understated, steady, aesthetically pleasing, and practical. It is suitable for sound amplification in various architectural spaces, delivering beautiful and pleasing sound quality.
- ▶ The column speaker uses an ABS hybrid aluminum alloy reinforced enclosure, making it sturdy and durable.
- ▶ The newly designed round waveguide port creates a unique low-frequency cardioid dispersion, producing crisp and pleasant high tones, naturally rich and full midtones, and deep bass.
- ▶ Optional installation accessories include a level device, handle device, and anti-vibration rubber pads.



▲ conference rooms



▲ museums



Ordering Code:

LA-425LB V2: 100W@4ΩHM, Black

LA-425B V2: 100W@4ΩHM, 60W@100V, 30W@70V, Switchable between music/speech modes, Black

LA-425LW V2: 100W@4ΩHM, White

LA-425W V2: 100W@4ΩHM, 60W@100V, 30W@70V, Switchable between music/speech modes, White

Model	LA-425LB V2/LA-425LW V2	LA-425B V2/LA-425W V2
Operating Modes	/	Switchable between music/speech mode
Input	4ohm	100V/70V/4ohm
Rated Power	100W@4ohm (400W Peak)	100W@4ohm (400W Peak) 60W/30W/15W/7.5W@100V 30W/15W/7.5W/3.7W@70V
Sensitivity (1m/1W)	94dB	92dB
Max. SPL	111dB	109dB
Frequency Range	106Hz~20kHz	
Enclosure Material	ABS hybrid aluminum alloy reinforced enclosure	
Grille Material	Metal mesh	
Dispersion Angle	Vertical 20° , Horizontal 120°	
Mounting Holes	2 x M6	
Mounting System	Adjustable angle mounting bracket or narrow wall distance mounting bracket	
Speaker Driver	4x2.5" neodymium magnetic	
Color	Black/White	
Connection Method	1 x NL4 socket (+1/-1) + 1 x Phoenix terminal	
Dimensions (HxWxD)	670 x 80 x 100mm	
Net Weight	2.2kg	3kg
Gross Weight	6.5kg(2PCS/CTN)	7.1kg(2PCS/CTN)

9x2.5" Neodymium Magnet Array Acoustic Column Speaker

Description

Designed for small to medium-sized video conference rooms, digital courtrooms, conference centers, auditoriums, lecture halls, and other speech amplification systems, as well as background music systems in various architectural spaces such as churches, museums, transportation hubs, and public areas like squares. It addresses the issue of traditional conference room speakers being too large and unsightly when wall-mounted.

Features

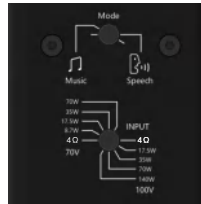
- ▶ 9x2.5" high-performance neodymium magnetic drive units.
- ▶ The column array speaker adopts a streamlined design with a newly designed apple gray color, giving it a low-key, steady, and aesthetically pleasing appearance, suitable for various architectural spaces for sound reinforcement, with beautiful and pleasant sound quality.
- ▶ The column speaker uses an ABS composite aluminum alloy reinforced cabinet, making it sturdy and durable.
- ▶ The newly designed circular waveguide holes create a unique cardioid low-frequency dispersion, delivering crisp and pleasant high frequencies, naturally robust mid-tones, and full-bodied bass.



Conference centers



Airport



Ordering Code

LA-925LB V2: 220W@4OHM, Black

LA-925B V2: 220W@4OHM, 140W@100V, 70W@70V, Switchable between music/speech modes, Black

LA-925LW V2: 220W@4OHM, White

LA-925W V2: 220W@4OHM, 140W@100V, 70W@70V, Switchable between music/speech modes, White

Model	LA-925LB V2/LA-925LW V2	LA-925B V2/LA-925W V2
Operating Modes	/	Switchable between music/speech mode
Input	4ohm	100V/70V/4ohm
Rated Power	220W@4ohm (800W Peak)	220W@4ohm (800W Peak) 140W/70W/35W/17.5W@100V 70W/35W/17.5W/8.7W@70V
Sensitivity (1m/1W)	94dB	93dB
Max. SPL	114dB	112dB
Frequency Range	95Hz~20kHz	
Enclosure Material	ABS composite fiberglass reinforced cabinet	
Grille Material	Metal mesh	
Dispersion Angle	Vertical 20° , Horizontal 120°	
Mounting Holes	2 x M6	
Mounting System	Adjustable angle mounting bracket or narrow wall distance mounting bracket	
Speaker Driver	9x2.5" neodymium magnetic	
Color	Black/White	
Connection Method	1 x NL4 socket (+1/-1) + 1 x Phoenix terminal	
Dimensions (HxWxD)	960x80x100mm	
Net Weight	4.15kg	4.65kg
Gross Weight	10.2kg(2PCS/CTN)	11.5kg(2PCS/CTN)

Garden Speaker

RK-620F

- ▶ Weather proof for out door application
- ▶ Elegant yet powerful sound
- ▶ With 10W transformer

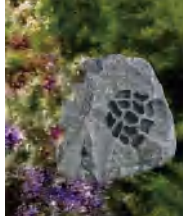
IP65



RK-620

- ▶ Weather proof for out door application
- ▶ Elegant yet powerful sound
- ▶ With 20W transformer

IPX5



RK-630

- ▶ Weather proof for out door application
- ▶ Elegant yet powerful sound
- ▶ With 30W transformer

IPX5



RK-650

- ▶ Weather proof for out door application
- ▶ Elegant yet powerful sound
- ▶ With 30W transformer

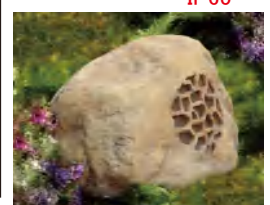
IP65



RK-6100

- ▶ Weather proof for out door application
- ▶ Elegant yet powerful sound
- ▶ With 40W transformer

IP65



Model	RK-620F	RK-620	RK-630	RK-650	RK-6100
Power at 100V	10W/5W	10/20W	15/30W	15/30W	20/40W
Power at 70V	5W/2.5W	5/10W	7.5/15W	7.5/15W	10/12W
SPL(1W/1M)	89dB	90dB	91dB	91dB	93dB
Max SPL@ 1M	102dB	103dB	107dB	109dB	115dB
Freq. Response	100Hz-16KHz	100Hz-16KHz	80Hz-16KHz	80Hz-16KHz	60Hz-16KHz
Product Size	230x210x270mm	230x210x270mm	400x300x280mm	470x320x500mm	560x470x380mm
Installation	Ground mounted	Ground mounted	Ground mounted	Ground mounted	Ground mounted
Enclosure Material	Synthetic Resin	Synthetic Resin	Synthetic Resin	Synthetic Resin	Synthetic Resin
Weight	3.5Kg	3.5Kg	6Kg	10Kg	8Kg
Color	Grey	Grey	Yellow	Grey	Yellow

Waterproof Rock Speaker

Features:

- ▶ Durable Construction: IP66 waterproof rating ensures the speaker is resistant to water and dust, making it ideal for outdoor environments.
- ▶ Versatile Size Options: Available in three versions to suit different audio needs – a 4" full-range speaker, a 6" coaxial speaker, and an 8" version with an 8" woofer and a 2" tweeter.
- ▶ Natural Aesthetic: Designed to blend seamlessly into outdoor settings with a rock-like appearance that complements gardens, patios, and other landscapes.
- ▶ High-Quality Sound: Despite its rugged exterior, the speaker delivers clear and powerful audio performance across all sizes, catering to various listening preferences.
- ▶ Easy Installation: Simple to set up in any outdoor area, whether mounted on the ground or integrated into landscaping, providing flexible placement options.



IP66



Model	Nature 4	Nature 6	Nature 8
Power at 100V	7.5/15W	15/30W	20/40W
Sensitivity	88dB ± 3	89dB ± 3	90dB ± 3
Frequency Response	120Hz-18kHz	80Hz-18kHz	65Hz-18kHz
Speaker Size	4" full range	6.5" coaxial	8" woofer + 2" tweeter
Product Size	270 × 230 × 220mm	350 × 310 × 290mm	440 × 370 × 370mm
Net Weight	2.7kg	3.3kg	7.1kg

Garden Speaker

Ground Mounted Garden Speaker

- ▶ Weatherproof design for reliable outdoor use
- ▶ Sleek appearance with powerful sound performance
- ▶ With 15W transformer(Model with Suffix "T")

IP66



IP66



OD-515P

- ▶ Outdoor weatherproof garden speaker with high IP rating
- ▶ Present sound produced

IP66



OD-501P

- ▶ Outdoor high power speaker
- ▶ Radial design enable 360 degree sound dispersion
- ▶ Low frequency delivering depth sound

IP66



Model	GD-315T	GD-315L	GD-515T	GD-515L
Rated Power	15W@100V 7.5W@70V	15W@8ohm	15W@100V 7.5W@70V	15W@8ohm
Sensitivity	88±3dB	88±3dB	88±3dB	88dB±3dB
Freq. Response	100-18kHz	100-18kHz	100-18kHz	100-18kHz
Product Size	112x195x400mm	112x195x400mm	160x160x220mm	160x160x220mm
Installation	Ground Fix	Ground Fix	Ground Fix	Ground Fix
Material	Fiberglass	Fiberglass	Fiberglass	Fiberglass
IP Rating	IP66	IP66	IP66	IP66
Net Weight	1.1kg	1kg	2.2kg	2kg
Color	Black	Black	Sage Green	Sage Green
Speaker Driver	3" Full Range	3" Full Range	5.25" Full Range	5.25" Full Range

Model	OD-515P	OD-501P
Power at 100V	20/10W	30W
SPL(1W/1M)	95dB	95dB
Max SPL@ 1M	105dB	110dB
Freq. Response	80Hz-15KHz	100Hz-16KHz
Product Size	Dia 215x245mm	Dia 360x365mm
Installation	Ground fix	Ground fix
Enclosure Material	ABS	ABS
Weight	2Kg	3Kg
Color	Green	Sage Green
Speaker	5" x1 full range	4.5" x1 full range

Ground Mounted Garden Speaker

Features:

- ▶ Weatherproof design for reliable outdoor use
- ▶ Sleek appearance with powerful sound performance
- ▶ Support 100V/70V input

IP66



Model	GS-515TW	GS-515LW	GS-640TW	GS-640LW	GS-850FW	GS-850LW
Rated Power	15W@100V 7.5W@70V	15W@8ohm	40W/20W@100V 20W/10W@70V	40W@8ohm	50W/25W@100V 25W/12.5W@70V	50W@8ohm
Sensitivity	88±3dB	88dB±3dB	87dB±3	87dB±3	90dB±3	90dB±3
Freq. Response	100-18kHz	100-18kHz	100-18kHz	100-18kHz	100-18kHz	100-18kHz
Product Size	Dia 160x220mm	Dia 160x220mm	Dia 200x250mm	Dia 200x250mm	Dia 250x315mm	Dia 250x315mm
Installation	Ground Fix	Ground Fix	Ground Fix	Ground Fix	Ground Fix	Ground Fix
Material	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass
IP Rating	IP66	IP66	IP66	IP66	IP66	IP66
Net Weight	2.2kg	2kg	3.3kg	3.1kg	4.6kg	4.3kg
Color	White	White	White	White	White	White
Speaker Driver	5.25" Full Range	5.25" Full Range	6.5" Coaxial	6.5" Coaxial	8" Coaxial	8" Coaxial

Waterproof 10" In-Ground Subwoofer

Product Description

The 10" Ultra-Long Throw in Ground Subwoofer 250W with IP66 Protection is engineered to deliver powerful, deep bass for your outdoor audio setup. With its 250W RMS power handling, this subwoofer ensures a thrilling low-frequency experience. It features an IP66 rating, making it resistant to dust and water, allowing for reliable performance in various weather conditions.

The subwoofer's ultra-long throw design guarantees exceptional bass response, providing a truly immersive audio experience. Its robust construction ensures durability, while the weather-resistant finish protects it from outdoor elements. With a frequency response of 25Hz to 200Hz and a sensitivity of 90dB, this subwoofer delivers outstanding sound quality.

Installation is a breeze with its easy in-ground setup. Upgrade your outdoor sound system with the 10" Ultra-Long Throw in Ground Subwoofer 250W, and enjoy superior bass performance and long-lasting reliability.



Model	GD-10SUBV
Power at 100V	250W/125W/62W
Power at 70V	125W/62W/31W
Subwoofer Type	In-ground
Frequency Response	25Hz – 250Hz
Sensitivity	88dB
Impedance	8 ohms
Rated Protection	IP66 (dust-tight and water-resistant)
Enclosure Type	Sealed
Construction Material	Weather-resistant and durable materials
Speaker Size	10 Inch
Dimensions	410x ϕ 325xH780mm
Net Weight	20kg

Unleash Sonic Power Outdoors: 10" Ultra-Long Throw In-Ground Subwoofer and 4pcs of Ground Mount Coaxial Speakers Combo Package

Experience extraordinary outdoor audio with our combo package featuring the 10" Ultra-Long Throw In-Ground Subwoofer and 4pcs of Ground Mount Coaxial Speakers. Feel the earth-shaking bass of the 250W subwoofer, protected by IP66 against dust and water. Enhance your soundstage with the 4- or 5-inch coaxial speakers, delivering crisp, immersive audio. Easy installation and weather-resistant design make this combo perfect for any outdoor space. Elevate your outdoor entertainment to new heights with this powerful and versatile audio combo. Upgrade now and make your outdoor gatherings unforgettable with the ultimate audio experience.

Features:

- ▶ Innovative & unique design
- ▶ Wide opening angle
- ▶ With high-quality polypropylene enclosure
- ▶ Adopt acoustic engineering craftsmanship
- ▶ Provide premium performance for demanding applications



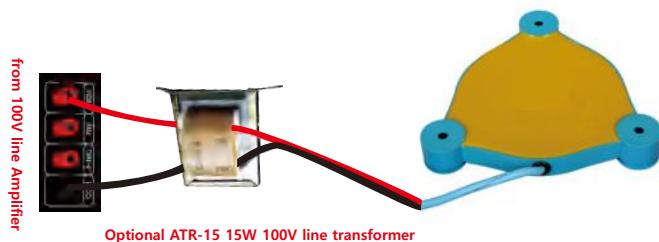
Model	HWS-440G-Ground	HWS-550G-Ground
Tweeter	0.75"(20 mm) Silk soft dome	1"(25mm) Silk soft dome
Woofer	4"(100 mm) Graphite Cone, Rubber Surround	5" (125mm) Graphite Cone, Rubber Surround
Frequency Range+/-3	80 Hz-20kHz	98 Hz-20kHz
Power Handling RMS	40W	50W
Sensitivity	88 dB	88 dB
Taps	8 Ω 40W,0,20W,10W,5W,2.5W	8 Ω 50W,0,30W,15W,7.5W,3.75W
Impedance	8 ohms	8 ohms
Termination	Pluggable Terminal Blocks	Pluggable Terminal Blocks
Dimensions W*H	Dia 155 x 215mm	Dia 190 x 250mm
Certifications	IP66	IP66
Material	PP	PP

Swimming Pool Speaker

Swimming Pool Speaker

Features:

- ▶ With IP 68, deep water use at stylist design with Excellent frequency response
- ▶ High SPL, wide frequency range and resistance to high water pressure
- ▶ The speaker is suitable for swimming pools, spa, and all types of under the water applications



Model	SPL-01
RMS Power at 8 ohm	15W
Peak Power at 8 ohm	30W
SPL(1W/1M)	90dB
Max SPL@ 1M	102dB
Freq. Response	70Hz-20KHz
Dispersion Angel	180x180 degree
Product Size	200x200x35mm
Installation	Under water mounted
Max dept underwater	10 Meters
Max transmit distance	20 meter
IP rating	68
Operation Temp	3 to 50 degree celcius

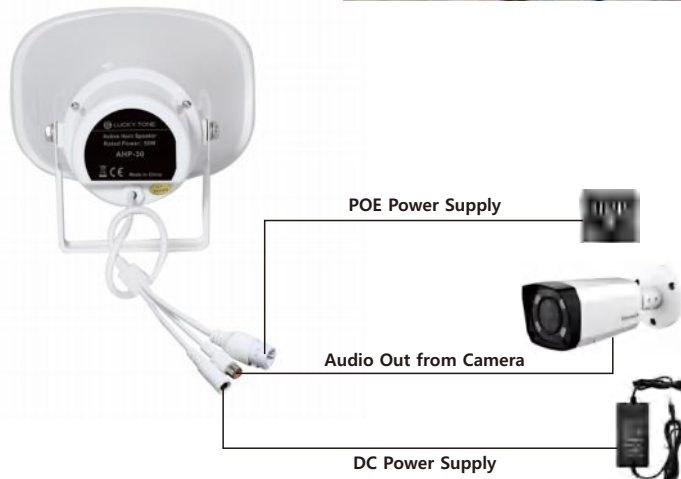


Active Horn Speaker
Description:

With high SPL and all-weather design, it provides an ideal audio solution for outdoor public areas where surveillance cameras have been widely applied, but lack of real-time interference through recorded messages or speaking to the sites to prevent or stop any unexpected events.

Features:

- ▶ Strong and intelligible sound effect
- ▶ IP66 water-proof design
- ▶ Built-in high efficiency Class-D amplifier
- ▶ Durable ABS enclosure
- ▶ Easy and fast installation and connection
- ▶ With 1 AUX IN



Model	AHP-30/AHP-30POE	AHP-15/AHP-15POE
Rated Power	30W	15W
Power Supply	DC12V/DC12V or POE	DC12V/DC12V or POE
SPL(1W/1M)	96dB	92dB
Max. SPL@1M	108dB	105dB
Freq. Response	400Hz-8KHz	400Hz-8KHz
Dispersion Angel	230 degree	230 degree
Enclosure Material	ABS	ABS
Dimension	285x205x290mm	225x165x240mm
Installation	Bracket mount	Bracket mount
Color	White	White

Active Speaker

Active Wall Mount Speaker Pair



Features:

- **Dynamic Sound:** Experience immersive audio with a pair of active wall speakers, featuring a powerful active speaker and a passive counterpart for balanced sound reproduction.
- **Built-in Amplification:** The active speaker comes equipped with a built-in amplifier, eliminating the need for external amplifiers and simplifying your audio setup.
- **Versatile Connectivity:** Equipped with line-in and line-out for seamless integration with various audio sources and systems.
- **Microphone Input:** Allows direct connection for microphone use, ideal for presentations and public speaking.
- **Customizable Sound Control:** Features adjustable bass, treble, and master volume for precise sound tuning to suit any environment.
- **Easy Installation:** Designed for hassle-free setup, these speakers mount directly onto the wall, saving space while complementing any room decor.

Ordering Code:

WP-220AW/WP-220AB: 4" Active Wall Speaker Pair, 2x20W, white/black color
 WP-230AW/WP-230AB: 5" Active Wall Speaker Pair, 2x30W, white/black color
 WP-220VW/WP-220VB: 4" Wall Speaker, 100V & 8Ohm, white/black color
 WP-230VW/WP-230VB: 5" Wall Speaker, 100V & 8Ohm, white/black color
 WP-220LW/WP-220LB: 4" Wall Speaker, 8Ohm, white/black color
 WP-230LW/WP-230LB: 5" Wall Speaker, 8Ohm, white/black color

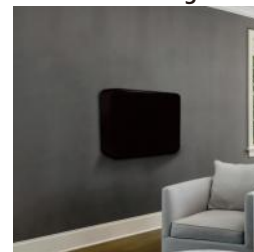


Model	WP-220AW/WP-220AB	WP-230AW/WP-230AB
Rated Power	2x20W	2x30W
Impedance	8ohm	8ohm
Sensitivity	90±2dB	92±2dB
Max. SPL	103±2dB	105±2dB
Frequency Response	95Hz-20KHz	80Hz-20KHz
THD	≤1%	≤1%
Channel Separation	≥60dB	≥60dB
SNR	≥81dB	≥81dB
Input & Output	RCA line input, RCA line output, 6.3mm microphone input	RCA line input, RCA line output, 6.3mm microphone input
Amplifier	Class-D	Class-D
Power Supply	AC220-240V 50Hz/60Hz or DC24V 3A	AC220-240V 50Hz/60Hz or DC24V 3A
Speaker Unit	4" woofer x 1, 1" tweeter x 1	5" woofer x 1, 2" tweeter x 1
Enclosure Material	ABS	ABS
Product Dimensions	255x194x185mm	285x194x185mm
Net Weight	4.2KG/pair	5.1KG/pair
Color	White/Black	White/Black

Passive Subwoofer
Features

- ▶ Deep Bass Options: 5.25" and 8" woofer sizes deliver enhanced low-frequency extension, boosting bass response for warmer and richer background music.
- ▶ Flexible Input Options: Built-in high-quality transformer with power selector, supporting both 100V line and low-impedance stereo inputs for versatile system integration.
- ▶ Equipped with passive radiator for deeper, richer low end (5" model)
- ▶ Flexible Installation: Support floor, wall, and ceiling installation, ideal for commercial and public spaces.
- ▶ Slim Wooden Enclosure: Ultra-thin wooden cabinet design in black or white finish delivers natural sound and long-lasting durability.


5.25"
8"

On Ceiling

On Wall

On Floor

Model	SUB5W/SUB5B	SUB8W/SUB8B
Rated Power	80W(125 Ω)/40W(250 Ω)/20W(500 Ω)@100V, 80W@8ohm	120W(83 Ω)/60W(167 Ω)/30W(333 Ω)@100V, 120W@8ohm
Peak Power	160W	240W
Sensitivity (1W/1M)	85±2dB	88±2dB
Frequency Response	50Hz-400Hz	35Hz-350Hz
Speaker Size	5.25" DVC Subwoofer with 35mm Voice Coil	8" Subwoofer with 38mm Voice Coil
Materials	MDF	MDF
Installation	On Wall/On Floor/On Ceiling	On Wall/On Floor/On Ceiling
Color	White/Black	White/Black
Product Size (L x W x H)	450 × 350 × 150mm	545 × 337 × 160mm
Net Weight	7.9kg	10.5kg
Accessories	U-Shaped Cold-Rolled Steel Mounting Brackets (2PCS)	U-Shaped Cold-Rolled Steel Mounting Brackets (2PCS)

Subwoofer

5.25" Subwoofer with WiFi & Bluetooth

Features

- ▶ Allow wireless music streaming via WiFi or Bluetooth
- ▶ With 2 x 40W stereo speaker outputs for a powerful 2.1 system
- ▶ With USB reader and AUX input for more audio sources
- ▶ Supports online music, Internet radio, Airplay, DLNA
- ▶ Convenient music management by WiiM APP
- ▶ 5.25" woofer with passive radiator for deeper, richer low end
- ▶ AC100-240V universal power supply
- ▶ MDF cabinet, black/white finish, compact design
- ▶ Flexible installation: on floor, on wall, or ceiling, ideal for commercial and public spaces.



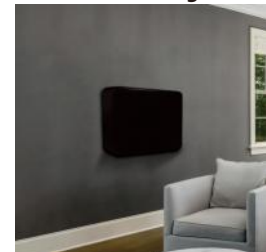
WiFi



Bluetooth



On Ceiling



On Wall



On Floor

Model	WF-SUB5W/WF-SUB5B
Product Type	5" WiFi Subwoofer with WiFi & Bluetooth
Rated Output Power	For the subwoofer: 150W@4 ohm For the stereo speaker outputs: 2x40W@4 ohm
Impedance	4-8ohm
Sensitivity	840MV
Speaker Size	5.25" DVC Subwoofer with 35mm Voice Coil
Input Voltage	AC100V-240V, 50/60HZ
Frequency Response	20-20KHz
Subwoofer Frequency Response	40Hz-160Hz
Audio Inputs	WiFi, Bluetooth, USB, AUX in
Materials	MDF
Installation	On Wall/On Floor/On Ceiling
Color	White/Black
Product Size (L x W x H)	450 x 350 x 150mm
Net Weight	7.7KG

Compact Satellite Speaker System

Combo5-1 compact satellite speaker system can produce effective acoustic sounds in commercial spaces like restaurants, cafés and retail stores.



Model	Wi-30
Rated Power	30W
Impedance	8ohm
Speakers	2*2inch
Color	Black
Product Dimension(HxWxD)	127x61x82mm
Net Weight	0.6kg

Ordering code

Combo5-1: WF-SUB5B/WF-SUB5W 5.25" WiFi Subwoofer with 2 pcs of Wi-30 Mini Wall Speakers

Combo5-2: WF-SUB5B/WF-SUB5W 5.25" WiFi Subwoofer with 4 pcs of CH-215R Ceiling Speakers

Combo5-3: SUB5B/SUB5W 5.25" Passive Subwoofer with 4 pcs of CH-215R Ceiling Speakers

Compact Ceiling Speaker System

Combo5-2/Combo5-3 compact ceiling speaker system can produce effective acoustic sounds in commercial spaces such as offices, gym, SPA, hotels, and educational institutions.



Combo5-2



Combo5-3

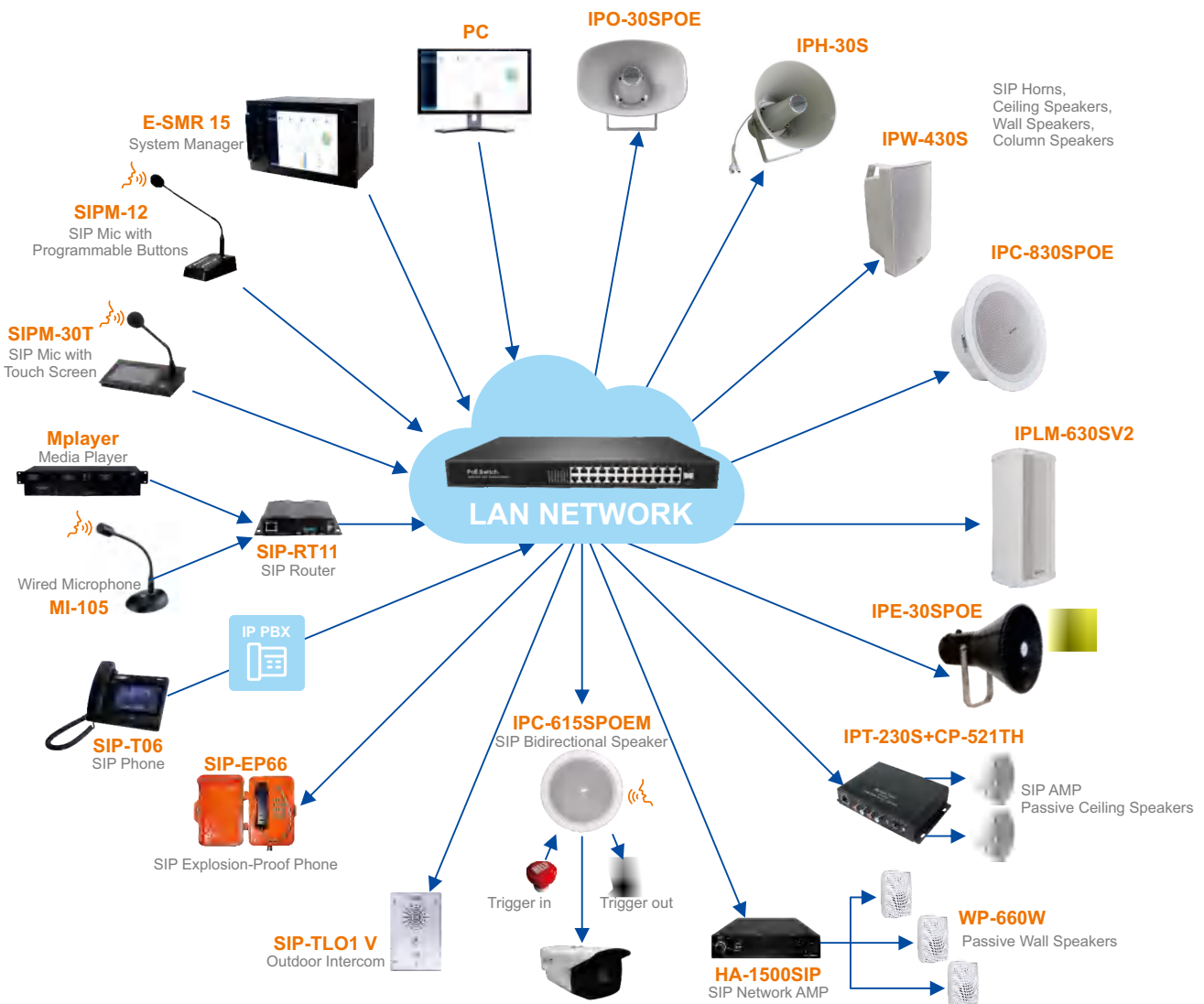
Model	CH-215R
Product Type	Waterproof Aluminum Ceiling Speaker with Bass Radiator
Rated Power	15W
Max. Power	40W
Impedance	4ohm
SPL (1W/1M)	86dB
Freq. Response	70Hz-20Khz
Cutout Size	Dia 86mm
Product Size	Dia 110*81.4mm (H)
IP Rating	IP66
Installation	In-ceiling
Color	Silver
Speakers	2.5" Full range with bass radiator

ECO SIP PA System

In applications such as modern school campus, prison, tunnels and factories, a flexible IP based system is required to address the needs of multiple independent sub-controls, individual broadcast of local message, frequent switching of zone assignment, time scheduled management and easy extension.

MEGA IP based PA system is adopting standard TCP/IP platform and mature VoIP technology for extension and audio streaming. It features with powerful network audio matrix support up to 60 audio routing at the same time. With a PC based management system and IP audio terminals, multicast of audio in terms of play list broadcast, time schedule broadcast, zone broadcast can be made through user friendly interface and individual broadcast within each terminal, point to point intercommunication is achievable at the same time. It is a cost effective solution dedicate to a decentralized PA system.

SIP NETWORK PA SYSTEM APPLICATION



System Manager

Features:

- ▶ A rugged design professional controller where system server and user interface installed to manage the whole system over TCP/IP network
- ▶ With 15 or 17 inch industrial grade touch screen with easy control of the entire system
- ▶ Functioned with advanced PA features including time schedule broadcast management, paging console, zone broadcast, etc. via user friendly interface
- ▶ To show status of working of all devices
- ▶ Timed scheduled broadcast
- ▶ Real-time broadcast of external source via A/D converter
- ▶ 8 Units height of the standard 19 inch rack
- ▶ Media storage management
- ▶ Access control

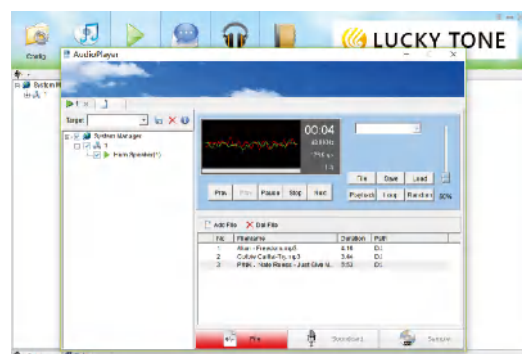
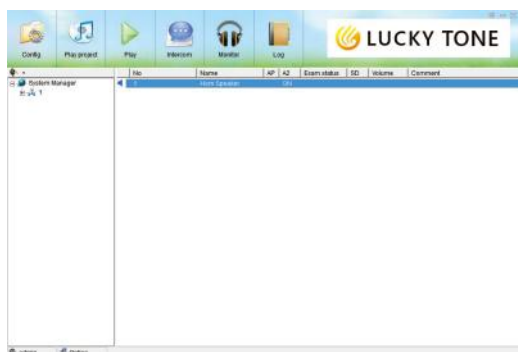


Model	E-SMR 15	E-SMR 17
Screen size	15 inch	17 inch
Screen color	TFT24 bit true color	
Control mode	1024*768 resolution LCD touch screen	
Ambient temperature	5°C-40°C	
Relative humidity	≥ 75%	
Motherboard	New industrial grade Intel industrial mainboard	
Standard interface	1 × LAN network port; 6 × USB; 2 × serial port; 1 × parallel port; 1 × VGA; 1 × HDMI; 4 × lotus input; 4 × lotus output; 1 × 3.5 input; 1 × 3.5 output	
Hard disk	64G SSD	
Memory	DDR3 4G (the capacity will increase continuously due to continuous product upgrades)	
NIC	mainboard integrated network card	
Graphics card	mainboard integrated graphics	
Sound card	mainboard integrated sound card, high-definition audio	
CPU	dual core 2.4GHz	
Dimension	485*335*320mm(W*H*D)	
Packing size	560*380*380mm(L*W*H)	
Maximum power consumption	80W	
Normal power	≤40W	
Other	DVD drive; keyboard; mouse	

ECO IP Software

Features:

- ▶ IP System software to control the entire ECO IP System as a necessary software
- ▶ All to play music from PC to the IP terminal and speakers
- ▶ Allow to make announcement from PC to the IP terminal or IP Speakers
- ▶ Support scheduled announcement for unmanned Operations.
- ▶ Support Audio and IP speaker monitoring
- ▶ Support operation Logs
- ▶ Support offline talkback (without server)



SIP Ceiling Speaker (15W Rated)

Features:

- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance

Model with suffix "POE" means power supply from POE;

- ▶ This network ceiling loudspeaker integrated with network audio decoding, digital amplifier
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ Metal inclosure with fire dome



Support either POE or 12V DC
(With optional adapter to purchase)



PoE supply
connector

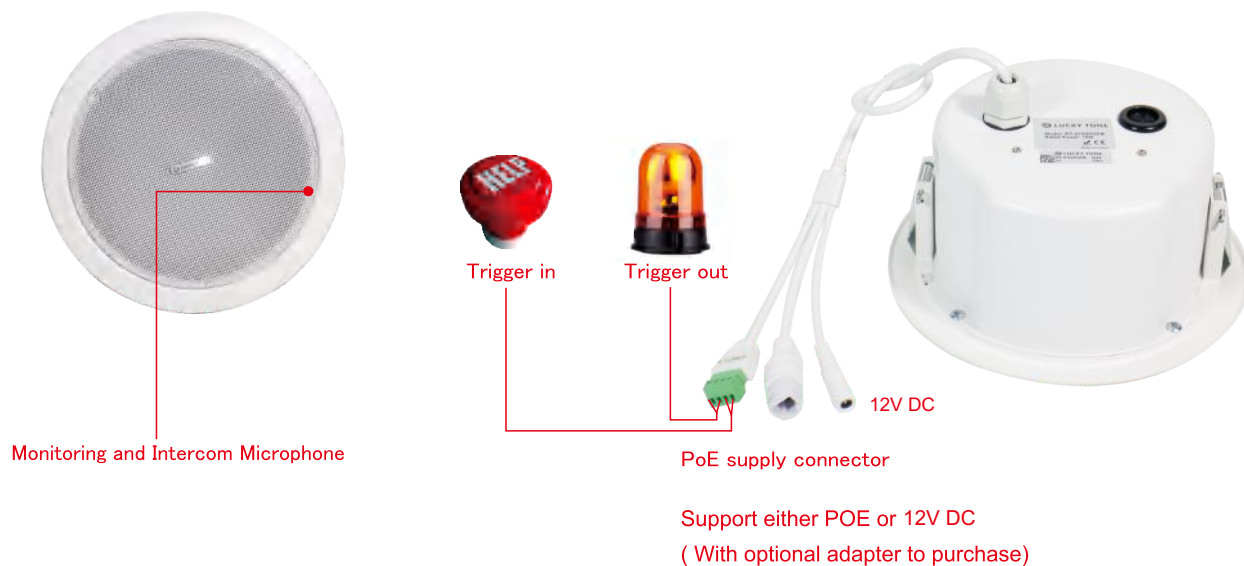
12V DC

Model	IPC-615S / IPC-615SPOE
Communication Protocol	SIP
Network Interface	10/100Base-TX, RJ45
Speaker SPL (MAX)	96dB
Decoding	MP3/WMA/WAV
Frequency Range	100Hz~18KHz
Installation	In ceiling
Enclosure material	Metal
Power Supply	DC 12V/DC 12V or POE
Dimension	Dia 200 x 90 mm

SIP Ceiling Speaker with Microphone (15W Rated)
Features:

- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ With built-in microphone
- ▶ This network ceiling loudspeaker integrated with network audio decoding, digital amplifier
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ Metal inclosure with fire dome

Model with suffix "POE" means power supply from POE


Model
IPC-615SM/IPC-615SPOEM

Communication Protocol	SIP
Network Interface	10/100Base-TX, RJ45
Speaker SPL (MAX)	96dB
Decoding	MP3/WMA/WAV
Frequency Range	100Hz~18KHz
Installation	In ceiling
Enclosure material	Metal
Power Supply	DC 12V/DC 12V or POE
Sensitivity	-52 dB
Dry Contact	Output and input
Dimension	Dia 200 x 90 mm

High SPL 8-Inch Ceiling Speaker

Features:

- ▶ Double magnet ultra-high sensitivity 8-inch coaxial ceiling speaker
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ This network ceiling loudspeaker integrated with network audio decoding, digital amplifier
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ Metal enclosure with fire dome



Model	IPC-830SPOE
Rated Power	30W
Power Supply	24V DC or PoE
Network Protocol	SIP
Audio Decoding	MP3, WMA, WAV
Network Interface	10/100Base-TX, RJ45
Speaker Sensitivity	96dB
Max Sound Pressure Level	110dB
Frequency Response	63Hz-20KHz
Material	Metal
Speakers	1" x1 (TREBLE) 8"x1(BASS)
Cutout Size	Dia 230mm
Product Size	Dia265x130mm(H)
Package Size	605x605x230mm, 8pcs per carton
Net Weight	1.9kg
Gross Weight	2.1kg

SIP Network Horn Speaker
Features:

- ▶ The network horn loudspeaker integrated with network audio decoding, digital amplifier
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ IP67 water-proof horn speaker available at 15W and 30W
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance

Model with suffix "POE" means power supply from POE;

IPO Series Oval Horn


Support either POE or 12V DC
(With optional adapter to purchase)

12V DC



PoE supply connector

IPH Series round Horn


Rear

12V DC supply connector

Model	IPH-15S / IPH-15SPOE IPO-15S / IPO-15SPOE	IPH-30S / IPH-30SPOE IPO-30S / IPO-30SPOE
Rated Power	15W	30W
Power Supply	DC12V / PoE	DC12V / PoE
Network Communication Protocol	SIP	SIP
Audio Encoding	MP3/WMA/WAV	MP3/WMA/WAV
Network Interface	10/100Base-TX, RJ45 Port	10/100Base-TX, RJ45 Port
Speaker SPL (1W/1M)	101dB	105dB
Enclosure Material	ABS	ABS
Dimension	Ø200 x 230 mm; 225 x 165x 240 mm	Ø240 x 290 mm; 285 x 205x 290 mm

SIP Network Horn Speaker with Dry Contact

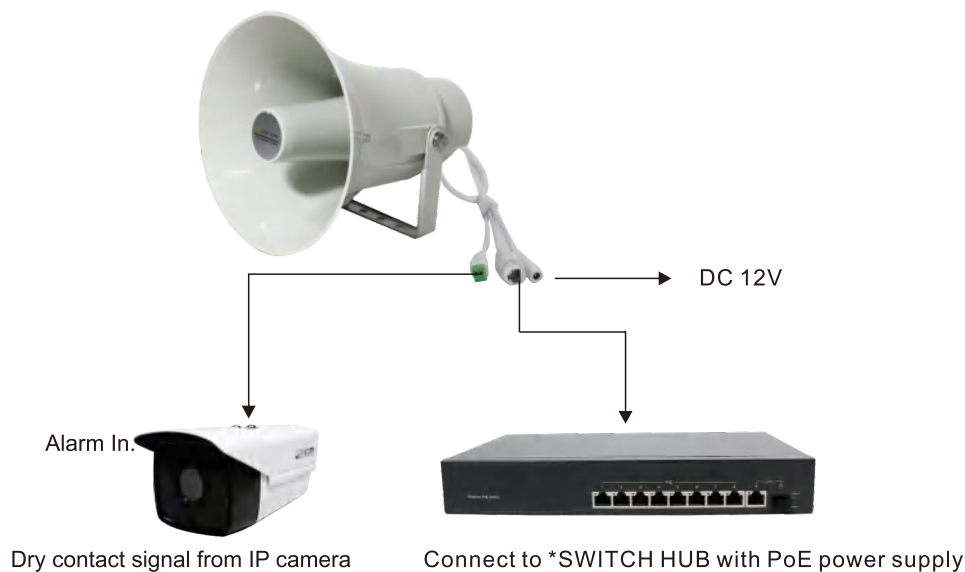
Description:

With 10/100M Ethernet interface, the SIP horn is a network broadcast terminal that supports the SIP protocol. It receives the audio data of the network, and transmits the sound through the DSP and amplifier circuit of the device, plus its own 15W/30W high-performance speaker. It is an easy-to-install outdoor waterproof horn that provides clear, intelligible voice for remote speech and superior sound quality for BGM in public notification applications. In emergency, it enables an operator to remotely address people and deliver pre-recorded alarm messages which can be manually or automatically triggered via LAN.

It also supports RTP broadcast and multicast, and can play RTP data streams loaded with audio protocols such as G.711a/u and G.722. In addition, it also supports private audio protocol, which can directly access our broadcast management software platform, which can realize functions of background music playback, timed broadcast, real-time call, and alarm linkage.

Features:

- ▶ The network horn loudspeaker integrated with network audio decoding, digital amplifier
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ IP67 water-proof horn speaker available at 15W and 30W
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance



Model	IPH-15SPOED	IPH-30SPOED
Rated Power	15W	30W
Power Supply	DC 12V or POE	DC12V or PoE
Network Communication Protocol	SIP	SIP
Audio Decoding	MP3/WMA/WAV	MP3/WMA/WAV
Network Interface	10/100Base-TX, RJ45 Port	10/100Base-TX, RJ45 Port
Speaker SPL (1W/1M)	101dB	105dB
Enclosure Material	ABS	ABS
Product Size	Ø200 × 230mm	Ø240 × 290mm

SIP Network Horn Speaker with Audio Input

Description:

The Network Horn Speaker is a simple-to-install indoor / outdoor loudspeaker that provides clear, intelligible voice for remote speech and superior sound quality for BGM in public notification applications. In emergency, it enables an operator to remotely address people and deliver pre-recorded alarm messages which can be manually or automatically triggered via LAN.

Features:

- ▶ The network horn loudspeaker integrated with network audio decoding, digital amplifier
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ Ip67 water-proof horn speaker available at 15W and 30W
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance



Model	IPH-15POEA	IPH-30POEA
Rated Power	15W	30W
Power Supply	DC 12V or POE	DC 12V or POE
Network Communication Protocol	TCP/UDP	TCP/UDP
Audio Decoding	MP3/WMA/WAV	MP3/WMA/WAV
Network Interface	10/100Base-TX, RJ45 Port	10/100Base-TX, RJ45 Port
Speaker SPL (1W/1M)	101dB	105dB
Enclosure Material	ABS	ABS
Product Size	Ø200 × 230mm	Ø240 × 290mm

SIP Indoor/Outdoor Wall Speaker

Features:

- ▶ The network wall loudspeaker integrated with network audio decoding, digital amplifier
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ Ip55 water-proof, good for both in and outdoor application
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance

Model with suffix "POE" means power supply from POE;



Model	IPW-415S	IPW-415SPOE	IPW-430S	IPW-430SPOE
Rated Power	15W	15W	30W	30W
Communication Protocol	SIP			
Network Interface	10/100Base-TX, RJ45			
Speaker SPL (MAX)	101dB	101dB	105dB	105dB
Decoding	MP3/WMA/WAV			
Frequency Range	80Hz~20KHz			
Installation	Wall mounted			
Enclosure material	ABS			
Power Supply	DC 12V	DC 12V or POE	DC 12V	DC 12V or POE
Dimension	295 x 196 x 157 mm			

Waterproof SIP Column Speaker
Features

- ▶ This series of network SIP column speakers integrate with network audio decoding, digital amplifier
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ IP65 water-proof column speaker available at 30W, 60W and 90W
- ▶ Support MP3, WMA, WAV and more decoding

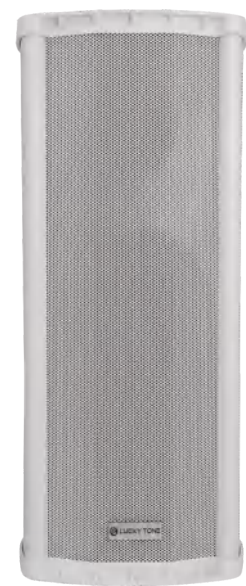


Model with suffix "POE" means powered over Ethernet

DC24V Power Input

RJ45 Port

Alarm Input

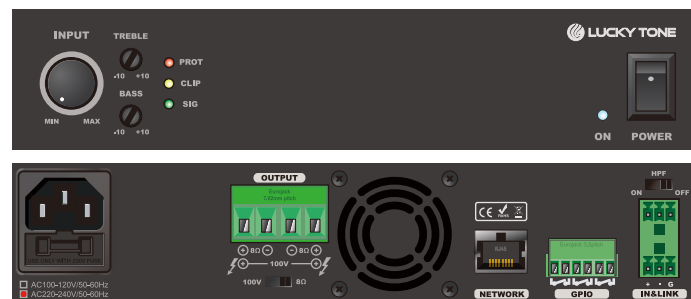


Model	IPLM-630SV2/IPLM-630SPOEV2	IPLM-660SV2/IPLM-660SPOEV2	IPLM-690SV2
Rated Power	30W@8ohm	60W@4ohm	90W@2.7ohm
SPL (1M/1W)	90±2dB	91±2dB	92±2dB
Speakers	3" x1, 5" x1	3" x1, 5" x2	3" x1, 5" x3
Network Protocol	SIP	SIP	SIP
Network Interface	10/100Base-TX, RJ45	10/100Base-TX, RJ45	10/100Base-TX, RJ45
Audio Decoding	MP3, WMA, WAV	MP3, WMA, WAV	MP3, WMA, WAV
Frequency Response	90Hz-18KHz	90Hz-18KHz	90Hz-18KHz
Material	Aluminum	Aluminum	Aluminum
IP Rating	IP65	IP65	IP65
Power Supply	24V DC / 24V DC or PoE	24V DC / 24V DC or PoE	24V DC
Product Size	428x170x148mm	577x170x148mm	733x170x148mm
Net Weight	3.5kg	5.0kg	5.9kg

SIP Network Amplifier

Features

- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ 120Watts ~ 480Watts output
- ▶ Advanced protection system includes current limiting, over current and thermal protections
- ▶ Desktop type with rack mount bracket
- ▶ Two bands tone controls
- ▶ Low distortion and low noise level
- ▶ Compact in Size and easy to install
- ▶ Ideal commercial and industrial use



1PC Rack Mount:

HA-BRC



2PCs Combined Rack Mount:

HA-BRC2



Model	HA-1120 SIP	HA-1250 SIP	HA-1500 SIP
Rated Power at 8ohm	2x60W	2x120W	2x240W
Bridged Power at 100V	120W	240W	480W
Power Consumption	195W	325W	588W
Network Communication Protocol	SIP		
Network Interface	10/100Base-TX, RJ45		
Decoding	MP3/WMA/WAV		
Input sensitivity / Impedance	-0dBu/10kohm Unbalanced / Balanced		
Power Supply Voltage	AC 100-120V, 50/60Hz or AC220-240V, 50/60Hz		
Speaker Output	100V / 8Ω		
Frequency Response	80Hz~17KHz (+1dB /-3dB)		
S/N Ratio	>80dB (with A-Weight)		
T.H.D	<1% (at rated power, 1kHz)		
Working Humidity	90%		
Tone Controls	Bass:100Hz(±10dB), Treble:10KHz(±10dB)		
Working Temperature	0°C~+40°C		
Product Dimension (WxHxD)	215*44*330 mm (Half-Rack)		
Net Weight	3.3kg		

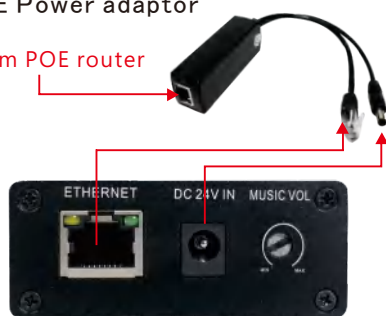
SIP Wall-Mounted Terminal

Features:

- ▶ This network terminal with built-in digital amplifier 2*15 and 2*30 at high quality sound
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade, startup in less than 1s
- ▶ Compact in Size and easy to install
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance

POE Power adaptor

From POE router



Model	IPT-215POES	IPT-230S
Network Communication Protocol	SIP	SIP
Network Interface	10/100Base-TX, RJ45	10/100Base-TX, RJ45
RMS Power	2*15W	2*30W@8Ω
Decoding	MP3/WMA/WAV	MP3/WMA/WAV
Frequency Range	20Hz~20KHz	20Hz~20KHz
POE adaptor	Yes	0~85°C
Operating Temp.	0~85°C	No
Power consumption	Less than 300mW	Less than 300mW
Power Supply	DC 12-24V or POE	DC 24V
Dimension	100 x 66 x 26 mm	153 x 100 x 26 mm

SIP Network Audio Router

Features:

- ▶ Professional SIP audio encoder and decoder to transmit audio signal to all devices in the network
- ▶ Adopt high-speed industrial grade chip, startup in less than 1s
- ▶ Support most of the SIP telephone system like Cisco or Avaya
- ▶ With line out and mic in for audio intercom
- ▶ With built-in microphone for Intercom, will be disable automatically with external mic plug-in
- ▶ With 1 relay input and 1 relay output
- ▶ With audio input for external audio source to target terminals
- ▶ Support offline talkback



Front



Rear

Model

SIP- RT11

Network Communication Protocol	SIP
Network Interface	10/100Base-TX, RJ45
Frequency and Sampling Rate	8kHz-32 kHz, 16 bit
Decoding	MPEG,ADPC
Microphone Frequency Range	70Hz~12.5KHz
Operating Temp.	0~65° C
Power consumption	Less than 300mV in static
Power Supply	9- 24 VDC
Dimension	130 x 85 x 30 mm

SIP Network Paging Microphone with Intercom

Description:

With a 10/100M Ethernet interface, line input and output, SIPM-10 is an SIP desktop intercom host that is used with SIP server. SIPM-10 network paging microphone can perform point-to-point IP intercom and multicast to the IP terminal through a microphone or local line input.

As a host of the IP broadcast intercom system, SIPM-10 can be used in places where intercom, monitor and emergency alarms are needed, such as control centers of self-service banks, interrogation rooms, classrooms, hospitals and parking lots.

As an intercom terminal, SIPM-10 supports full-duplex two-way intercom and has good echo suppression. We offer standard sip mode, which can be used in other standard SIP systems and compatible with standard SIP terminal devices.



Features:

- ▶ Professional SIP Call Station to control and make announcement to all devices in the system.
- ▶ Adopt high-speed industrial grade chip, start-up in less than 1s
- ▶ Support zone paging, and the red indicator will light up when talking
- ▶ Built-in speaker for monitoring and intercom
- ▶ With audio output for external active speaker
- ▶ Support offline talkback (without server)



Model	SIPM-10
Network Communication Protocol	SIP
Network Interface	10/100Base-TX, RJ45
Frequency and Sampling Rate	8kHz-32 kHz, 16 bit
Decoding	MPEG,ADPC
Microphone Frequency Range	70Hz~12.5KHz
Operating Temp.	0~65° C
Power Supply	DC 12V
Dimensions(L*W*H)	150 x 140 x 55 mm
Net Weight	0.6Kg

SIP Network Paging Microphone with Intercom

Features:

- ▶ Professional SIP Call Station to control and make announcement to all devices in the system.
- ▶ Adopt high-speed industrial grade chip, startup in less than 1s
- ▶ Support zone paging, and the red indicator will light up when talking
- ▶ Built-in speaker for monitoring and intercom
- ▶ With audio output for external active speaker
- ▶ With audio input for external audio source to target terminals
- ▶ Support offline talkback (without server)



Model	SIPM-20 (Button version)
Network Communication Protocol	SIP
Network Interface	10/100Base-TX, RJ45
Frequency and Sampling Rate	8kHz-32 kHz, 16 bit
Decoding	MPEG,ADPC
Microphone Frequency Range	70Hz~12.5KHz
Operating Temp.	0~65°C
Screen	TFT 2.8" LCD
Power Supply	DC 12V
Dimension	210 x 145 x 55 mm

SIP Control Station with Touch Screen
Description:

With a 10/100M Ethernet interface, line input and output, SIPM-30T is an SIP desktop intercom host that is used with SIP server. SIPM-30T network paging microphone can perform point-to-point IP intercom and multicast to the IP terminal through a microphone or local line input.

As a host of the IP broadcast intercom system, SIPM-30T can be used in places where intercom, monitor and emergency alarms are needed, such as control centers of self-service banks, interrogation rooms, classrooms, hospitals and parking lots.

As an intercom terminal, SIPM-30T supports full-duplex two-way intercom and has good echo suppression. We offer standard sip mode, which can be used in other standard SIP systems and compatible with standard SIP terminal devices.


Features:

- ▶ Stand-alone intercom function
- ▶ Stand-alone paging function
- ▶ Stand-alone unicast and multicast functions
- ▶ Support modify parameters directly on the mic
- ▶ Play Audio from SD or USB to the zones



Model	SIPM-30T
Network Communication Protocol	SIP
Network Interface	10/100Base-TX, RJ45
Frequency and Sampling Rate	8kHz~32 kHz, 16 bit
Decoding	MPEG,ADPC
Microphone Frequency Range	70Hz~12.5kHz
Operating Temp.	0~65° C
Screen	7" touch screen
Power Supply	DC 12V
Dimension	250 x 145 x 55 mm

SIP-MicTou Android Console IP Phone



Description

Featuring a Goose-neck speaker and a large touch screen, SIP-MicTou is an Android console IP phone with stylish outlook and powerful functions. As a mini management device, SIP-MicTou caters to the management requirements in small and medium control centers and helps to level-up the daily management efficiency and the ability to handle any emergency.

Features:

► Business-style Elegant Design

Featuring the business elegant outlook with smooth lines, a big color touch screen, user-friendly interface, SIP-MicTou can be the most helpful management phone in the control center.

► Outstanding HD Audio/Video

With wideband codec G.722 and Opus, SIP-MicTou provides users crystal-clear audio in communication. With video codec H.264, it provides HD video calls when connected with an optional camera.

► Easier Operation Experience

SIP-MicTou adopts the design of touch screen and buttons, allowing users to enjoy a smoother operation experience.

► Powerful Android System

Android 9.0 OS in SIP-MicTou ensures the stable operation of software and supports the installation of third-party apps, providing greater compatibility and scalability.

► Support Unmanned Mode

SIP-MicTou can be connected to the mobile phone, realizing the remote control of the system by the administrator, and providing easier real-time management.

► Android 9.0 OS

► 20 SIP Lines

► Goose-neck Microphone

► 10.1-inch Touch Screen with 112 DSS Keys

► Support Three-way Video Conference

► Support H.264 Video Codec

► Built-in Harman Speaker

► Built-in 2.4G/5G WiFi and Bluetooth

► Support EHS Wireless Earphone



SIP-TL2, Indoor 2 button Terminal
With built-in 2*15W 8 ohm amplifier



SIP-TL1, Indoor 1 button Terminal

- Professional SIP terminals working with Lucky Tone SIP microphone, other SIP telephones and devices.
- Adopt high-speed industrial grade chip
- Support quiet and noisy environment mode, press to answer or auto answer, hangup on site or remote

- Built-in speaker for intercom
- With audio output for external active speaker
- Can work stand alone without any main control unit

Outdoor Terminals



SIP-TLO2, Outdoor 2 button Terminal
With built-in 2*15W 8 ohm amplifier



SIP-TLO1, Outdoor 1 button Terminal

Model	SIP-TL indoor	SIP-TLO Outdoor
Network Communication Protocol	TCP, ARP, ICMP, DHCP, UDP, DNS, IGMP	TCP, ARP, ICMP, DHCP, UDP, DNS, IGMP
Network Interface	10/100Base-TX, RJ45	10/100Base-TX, RJ45
Frequency and Sampling Rate	8kHz~32 kHz, 16 bit	8kHz~32 kHz, 16 bit
Power consumption	Less than 300mV	Less than 300mV
Microphone Frequency Range	70Hz~12.5KHz	70Hz~12.5KHz
Operating Temp.	0~65°C	-40~80°C
Weight	0.5kg	0.7kg
Power Supply	DC 12V	DC 12V
Dimension	100 x 160 x 30 mm	150 x 190 x 36 mm

Outdoor Intercom Terminal with Audio and Video

Description

This heavy duty SIP intercom product specially developed for the needs of industry users. It has an exquisite appearance and powerful functions. It integrates intelligent security, audio/video intercom and broadcast functions. It supports wall-mounted installation, suitable for indoor and outdoor scenes, and can provide users with high-quality communication intercom services

Functions:

- 2 SIP lines, one for backup.
- Auto answer.
- Built-in 1 short-circuit input.
- Built-in 1 short-circuit output, short-circuit output controlled mode (four types): remote DTMF, remote server command, short-circuit input linkage, call status.
- Intercom function.
- Support external power supply. Custom DSS button.

Features

Audio:

- Broadband ADC/DAC 16KHz sampling
- Narrowband encoding: G.711a/u, G.729AB,, iLBC Wideband coding: G.722, Opus
- Duplex intercom with echo cancellation algorithm (AEC)
- Voice Activity Detection (VAD) / Comfortable Background
- Noise Generation (CNG) / Background Noise Detection (BNE)
- Packet Loss Concealment
- Dynamic adaptive jitter buffer up to 300ms
- DTMF: In-band audio, out-of-band-DTMF forwarding
- (RFC2833) / SIP INFO

Video

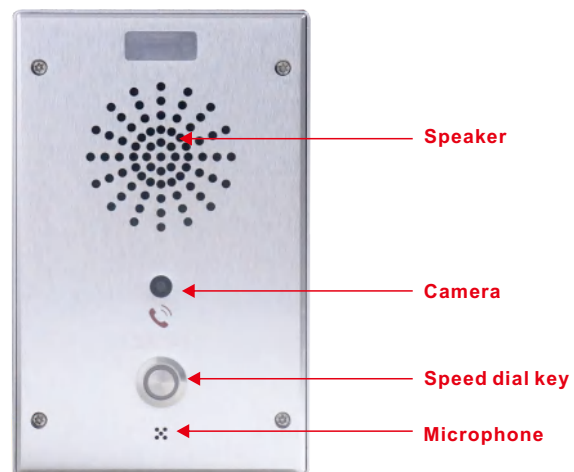
- Sensor: 1/4" color CMOS Pixels: 1 million
- Video encoding: H.264
- Resolution: 720P@30fps
- Minimum illumination: 0.1Lux
- Viewing angle: Diagonal: 84.1° , Level: 71.7° , Vertical: 56.7°

Network

- 10/100Mbps Ethernet
- IP mode: IPv4/IPv6/IPv4&IPv6
- IP acquisition method: static IP setting / DHCP / PPPoE
- Support 802.1x network access authority authentication
- Virtual Private Network (VPN): L2TP / OpenVPN Virtual
- Local Area Network (VLAN)
- Link Layer Discovery Protocol (LLDP) Quality of Service (QoS)

Configuration & Management

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PnP/TR-069
- Web management interface Web-based
- Packet-dump
- Configuration export/import Software upgrade
- System log (Syslog)



Speaker

Camera

Speed dial key

Microphone

Camera: Video Capture & Transmission
Push Button: Can perform multicast, intercom and check IP functions

Model	SIP-TLO1 V
Related Protocols	SIP 2.0 over UDP/TCP/TLS, RTP/RTCP/ SRTP, STUN, DHCP, IPv6, LLDP, PPPoE, 802.1x, L2TP, OpenVPN, SNMP, FTP/ TFTP, HTTP/HTTPS, TR-069
Speed Dial Key	1 DSS key with red indicator light
Speaker	3W/4 Ω
Power Supply	DC12V/1A or PoE
Body Material	Aluminum
Installation Method	Indoor/outdoor, wall-mounted installation
Working Temperature	-40~50° C
Storage Temperature	-40~50° C
Relative Humidity	10%-90%
Equipment Weight	0.7kg
Equipment Size	150 x 190 x 36mm

SIP Explosion-Proof Phone, IP68
Description

The SIP-EP68N/F Explosion-proof SIP Telephone supports standard SIP protocol, compatible with IP PBX and dispatch systems. Designed for harsh environments like tunnels, mines, and power plants, it resists water, dust, corrosion, and impact for reliable long-term use.

Features

- ▶ Manual Dialing – after pressing the hands-free key or lifting the handset (fiber version), users can manually dial numbers via the keypad.
- ▶ Auto Dialing – after pressing the hands-free key or lifting the handset (fiber version), the phone automatically dials a pre-stored number.
- ▶ One-Touch Dialing – designated keys can be configured for single-button quick dialing.
- ▶ Point-to-Point Call – supports direct IP-to-IP calling within the same LAN without SIP server registration.
- ▶ Dialing Rule Configuration – allows customized dialing logic, e.g., pressing ‘1’ automatically calls a predefined IP address or phone number.
- ▶ IP Address Announcement – long-press ‘#’ to hear the device’s current IP address.
- ▶ Dual SIP Line Support – supports registration of up to two SIP accounts for flexible communication management.
- ▶ Adjustable Volume – ring and call volumes can be adjusted independently.
- ▶ Network Compatibility – supports both IPv4 / IPv6, with DHCP or static IP configuration.
- ▶ PoE Powered – compliant with IEEE 802.3af, supports power over Ethernet from compatible devices.
- ▶ Integration Interface – multiple I/O contact points available for linkage with external equipment.



Model	SIP-EP68N (Network Cable Version)	SIP-EP68F (Optical Fiber Version)
SIP Lines	2	
DTMF	In-band/RFC2833/SIP info	
DNS SRV	RFC3263	
SIP Protocol	SIP 2.0	
Ingress Protection	IP68	
Network Features	LAN/WAN	
Codec	G.711(A/μ) / G.729A/B/AB / G.726 / iLBC / G.722/L16	
Firewall	VPN L2TP, DMZ	
Installation	Wall-mounted	
Housing Material	Aluminum Alloy	
Color	Yellow	
Operating Temperature	-40°C~70°C	
Humidity	≥95%	
Dimensions	420*260*150mm	
Net Weight	6.2kg	6.5kg
Power Supply	220V AC/5V DC	220V AC

ECO SIP PA System

IP Audio Router

Features:

- ▶ Based on ARM + DSP structure and high speed industry chip, reboot time is less than 1 second
- ▶ With 2 aux inputs; and each with independent volume control.
- ▶ Built-in 3W high fidelity speaker to monitor the sound of the remote IP speaker



- ▶ Stand alone to route audio to the IP network without server.
- ▶ With a standard RJ45 port supportive of crossing network segment and router, accessible to the system if the Ethernet is available

Model	E-ADRT 4
Power Consumption	Less than 300mV
Protocol	IP, ARP, ICMP, DHCP, UDP, DNS, IGMP
Operation Temperature	10 °C – 60°C, <90% RH
Inputs	MIC: 50mVpp, Aux: 1.5vpp
Power requirements	220-240VAC, 50/60Hz

IP Alarm Matrix

Features:

- ▶ With 32 alarming short circuit inputs and 1 short-circuit outputs;
- ▶ Multiple IP network alarm matrixes can be used to extend the range of the interfaces
- ▶ To automatically send the alarm signal to the server and broadcast the task programmed in advance



- ▶ With PPT microphone input jack for announcement in case of emergency
- ▶ With a standard RJ45 port supportive of crossing network segment and router, accessible to the system if the Ethernet is available

Model	E-RIPE
Power Consumption	Less than 300mV
Protocol	IP, ARP, ICMP, DHCP, UDP, DNS, IGMP
Operation Temperature	10 °C – 60°C, <90% RH
Inputs	MIC: 50mVpp, Aux: 1.5vpp
Power requirements	220-240VAC, 50/60Hz

VoIP Audio Management Server for Network PA & BGM Systems

Description

The VOIP-SMR is a high-performance 1U rackmount VoIP audio server designed for centralized management of background music, paging, and intercom services in network-based public address systems. It provides reliable audio processing, flexible task scheduling, and working with LUCKY TONE VoIP / SIP devices, making it ideal for commercial buildings, campuses, transportation hubs, and smart infrastructure projects.

Features

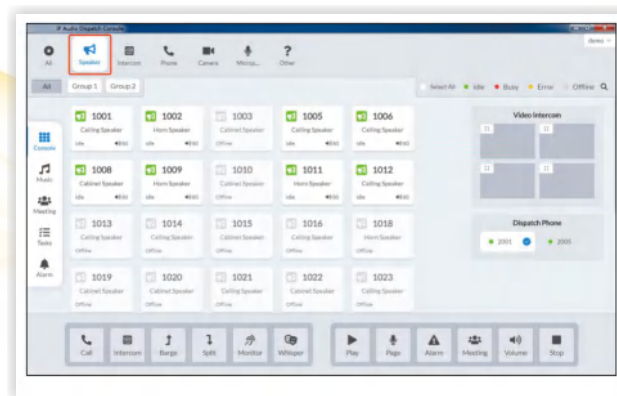
- ▶ **High-Quality Audio Playback**
Supports up to 320 kbps HD MP3 audio files and streaming media for background music playback with real-time or scheduled loop tasks across single or multiple zones.
- ▶ **Flexible Zone & Group Management**
Unlimited grouping capability allows users to freely create and manage zones based on different sites, functions, or devices with a simple and intuitive system setup.
- ▶ **Advanced Task Scheduling**
Supports multiple task types, including Real-time tasks, Time-based rule tasks and Triggered tasks, enables loop playback within defined time periods for automated operation.
- ▶ **Third-Party System Integration***
Supports SIP or IMS relay creation for connection with external SIP servers or telecom carriers, enabling inbound/outbound calling and centralized call control. ***Working with VOIP-100 system manager**
- ▶ **Stable Server-Grade Platform**
Powered by an Intel® Core™ processor and enterprise-class components to ensure stable, long-term operation in mission-critical environments.
- ▶ **Compact 1U Rackmount Design**
Space-saving 1U chassis suitable for standard 19-inch racks, ideal for equipment rooms and data centers.
- ▶ **Reliable Network Connectivity**
Gigabit LAN interface ensures stable and secure data transmission for IP audio systems.



Model	VOIP-SMR
Power Supply	AC 110-240 V or DC 12 V, 5 A
Processor	Intel® Core™ i5-3317U (Dual-Core / 4 Threads, 1.7 GHz)
Graphics	Integrated Graphics
Memory	DDR3 DIMM, 4 GB installed
Storage	1 × SATA 3.0 + 1 × mSATA; 128 GB mSATA installed
Rear I/O	2 × USB 3.0, 2 × USB 2.0, 1 × Gigabit Ethernet, 1 × HDMI, 1 × VGA
Front I/O	2 × USB 2.0, Power Switch
Operating Temperature	0°C to 50°C
Operating Humidity	~20% to 80% RH (Non-condensing)
Mounting	Rackmount or Desktop
Dimensions (W × D × H)	440 × 250 × 45 mm
Finish	Matt Black
Net Weight	3.24kg

VOIP Series

IP Audio Dispatch Console



VOIP-MEGA

Description:

The VOIP-MEGA IP Audio Dispatch Console is a cross-platform application compatible with Windows, MacOS, and Linux, designed for users of IP Audio Solutions. It supports up to 4,000 user connections.

The system supports multiple dispatch users logging in simultaneously, allowing them to operate independently without affecting each other's paging zones. This functionality enables the deployment of distributed, multi-site IP audio systems.

Model	VOIP-MEGA	VOIP-APP AND
Type	IP Audio Dispatch Console	IP Audio Dispatch App
Endpoints Status Monitoring	✓	✓
Paging	✓	✓
Alarm	✓	✓
Alarm List	✓	✓
Text-to-Speech (TTS) Paging	✓	✓
Prerecorded Message Paging	✓	×
Volume Control	✓	✓
Tasks	✓	✓
Music Player	✓	✓
Log	✓	✓
Intercom	✓	✓
Meeting	✓	×
Video Intercom Window	✓	×

Ordering Code:

VOIP-APP AND: IP audio dispatch App, Android

VOIP-LIC: user license

ONVIF Network Amplifier
Features

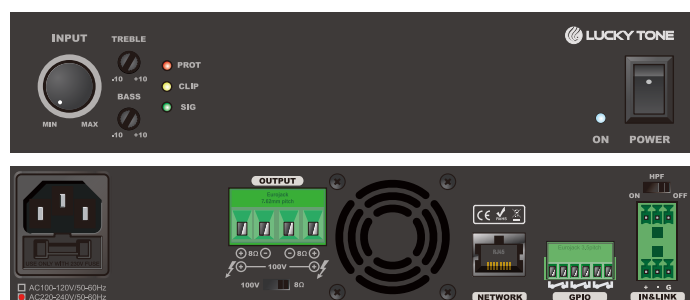
- ▶ Support Both SIP & ONVIF – Reliable Connectivity for Paging, Monitoring & Emergency Use
- ▶ Empowered by high-speed dual-core (ARM + DSP) chip of industrial grade
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ 120Watts ~ 480Watts output
- ▶ Advanced protection system includes current limiting, over current and thermal protections
- ▶ Desktop type with rack mount bracket
- ▶ Two bands tone controls
- ▶ Low distortion and low noise level
- ▶ Compact in Size and easy to install
- ▶ Ideal commercial and industrial use



SIP Protocol



ONVIF


1PC Rack Mount:
HA-BRC

2PCs Combined Rack Mount:
HA-BRC2


Model	HA-1120 ONVIF	HA-1250 ONVIF	HA-1500 ONVIF
Rated Power at 8ohm	2x60W	2x120W	2x240W
Bridged Power at 100V	120W	240W	480W
Power Consumption	195W	325W	588W
Network Communication Protocol	SIP, ONVIF		
Network Interface	10/100Base-TX, RJ45		
Decoding	MP3/WMA/WAV		
Input sensitivity / Impedance	-0dBu/10kohm Unbalanced / Balanced		
Power Supply Voltage	AC 100-120V, 50/60Hz or AC220-240V, 50/60Hz		
Speaker Output	100V / 8Ω		
Frequency Response	80Hz~17KHz (+1dB /-3dB)		
S/N Ratio	>80dB (with A-Weight)		
T.H.D	<1% (at rated power, 1kHz)		
Working Humidity	90%		
Tone Controls	Bass:100Hz(±10dB), Treble:10KHz(±10dB)		
Working Temperature	0°C~+40°C		
Product Dimension (WxHxD)	215*44*330 mm (Half-Rack)		
Net Weight	3.3kg		

VOIP Series

VOIP Series ONVIF Network Speakers



VOIP-15HO/VOIP-15HOM
Horn Speaker



VOIP-30HO/VOIP-30HOM
Horn Speaker



VOIP-60HR
Horn Speaker



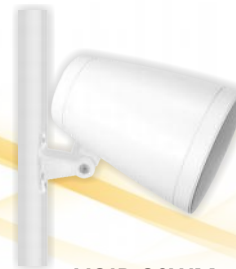
VOIP-15C/VOIP-15CM
Ceiling Speaker



VOIP-60WM/VOIP-60WMM
Wall Speaker



VOIP-20PJ
Projection Speaker



VOIP-30WM
Wall Speaker



VOIP-30HG
Pendant Speaker

Description:

The VOIP Series ONVIF Network Speakers include horn, ceiling, wall-mounted, and pendant models for indoor and outdoor use. Built for durability and exceptional audio quality, they are ideal for public address, emergency alerts, and broadcasting in schools, hospitals, malls, and transportation hubs. SIP-enabled with PoE and DC power, they integrate seamlessly with IP systems.



SIP Protocol



ONVIF



HD Voice



PoE



Built-in Amplifier



Auto Provisioning

Model	VOIP-15HOM VOIP-15HO	VOIP-30HOM VOIP-30HO	VOIP-60HR	VOIP-15CM VOIP-15C	VOIP-60WMM VOIP-60WM	VOIP-20PJ	VOIP-30WM	VOIP-30HG
Product Type	Horn Speaker with/without Microphone	Horn Speaker with/without Microphone	Horn Speaker	Ceiling Speaker with/without Microphone	Wall Speaker with/without Microphone	Projection Speaker	Wall Speaker	Pendant Speaker
Rated Power	15W	30W	60W	15W	60W	20W	30W	30W
Network Protocol	SIP, ONVIF							
Audio Decoding	MP3, WMA, WAV							
Network Interface	10/100Base-TX, RJ45							
SPL(1M/1W)	101dB	105dB	110dB	91dB	94dB	93dB	84dB	84dB
Max. SPL	113dB	120dB	128dB	103dB	112dB	106dB	99dB	99dB
Frequency Response	300Hz-8kHz	350Hz-8kHz	150Hz-8kHz	100Hz-20kHz	65-20kHz	130Hz-17kHz	98Hz-20kHz	98Hz-20kHz
IP Rating	IP66	IP66	IP66	/	IP66	IP66	IP66	IP66
Power Supply	POE/DC12V	POE/DC12V	POE/DC24V	POE/DC12V	POE/DC24V	POE/DC12V	POE/DC12V	POE/DC12V
Installation	Bracket Mount	Bracket Mount	Bracket Mount	In-ceiling Mount	Wall Mount	Wall Mount	Wall Mount	Hanging
Speaker	/	/	/	6" Woofer + 25mm Voice Coil	6.5" Weatherproof Woofer and 1" Silk Tweeter	5" * 1 Full Range	5" (125mm) Graphite Cone 1" (25mm) Silk Soft Dome, Rubber Surround	5" (125mm) Graphite Cone 1" (25mm) Silk Soft Dome, Rubber Surround
Material	ABS	ABS	Aluminum	Metal	ABS	Aluminum	PP	PP
Product Dimension	225x165x240mm	285x205x290mm	Dia 20inch	Dia 193x102mm	315x195x185mm	Dia 138*205mm	Dia 190 x 250mm	Dia 190 x 250mm
Net Weight	1.8kg	2.3kg	4.1kg	1.5kg	3.5kg	2.4kg	2.5kg	2.6kg

Dante Paging Microphone with Touch Screen

Description

DMIC-T is a desktop paging console for voice notices with Dante™ audio over IP which works perfectly to manage huge zoning projects in combination with Dante DSP matrix. It's ideal for various applications such as Retail, Education, Corporate, Sports & Wellness and Hospitality.

Features

- ▶ Desktop paging station based on 10 " capacitive touch screen
- ▶ Gooseneck type microphone included
- ▶ Audio transport using Dante
- ▶ Supports background music override with automatic microphone priority
- ▶ Built-in professional DSP feedback suppression module
- ▶ PoE power or by DC power supply
- ▶ With Aux input and output
- ▶ Standard RJ45 network interface, supports both LAN and WAN connections
- ▶ Adjustable display screen angle from 0° to 90° for flexible viewing



 **Dante®**



Model	DMIC-T
Microphone Sensitivity	-45 dB
Line Input Sensitivity	1 Vrms, Differential Input
Line Output Level	1 Vrms, Differential Output
Frequency Response	Microphone: 50Hz to 16KHz Line: 20Hz to 20KHz
Total Harmonic Distortion	≤ 0.5%
Input Impedance	10k Ω
Output Impedance	600 Ω
Power Supply	DC12V/2A; POE 48V
Net Weight	2.3kg
Product Dimensions	317*157*45mm

Microphone

8-Zone Paging Microphone Station

Features:

8 ZONE Remote Microphone Station for DSP-880N+,DSP-880M+,DSP-880ND+

► Controls

Zone selector switches for Z1~Z8. Talk & Chime on/off.
Level control volume for MIC & Chime.

► Connectors

RS485 communication with DSP-880N+,DSP-880M+,DSP-880ND+.
DC input.

► Indicators

Power, Busy, Signal, Clip.



Model	DSP-M8
Rated Output Level / Impedance	0dB / 600 Balanced
Input sensitivity / Impedance	-36dB / 20k Balanced
Frequency Response (-1dB)	80Hz - 15kHz
T.H.D	< 0.1%
Hum & Noise	> 90 dB
Number of Zone	8 Zones
Weight (Net)	1.2 kg
Dimensions (W x H x D)	115 x 60 x 195mm (only body)

Dante Desktop Microphone with POE

Description

DMIC Dante Microphone is a type of microphone that with built-in Dante module supporting POE power supply. It can be directly connected to the Dante network, providing you a rewarding experience that a extremely low latency, high fidelity and low cost solution for paging and announcement.

Features:

- ▶ Built-in Dante module
- ▶ Rotate gain control
- ▶ POE power supply
- ▶ Smart on/off switch

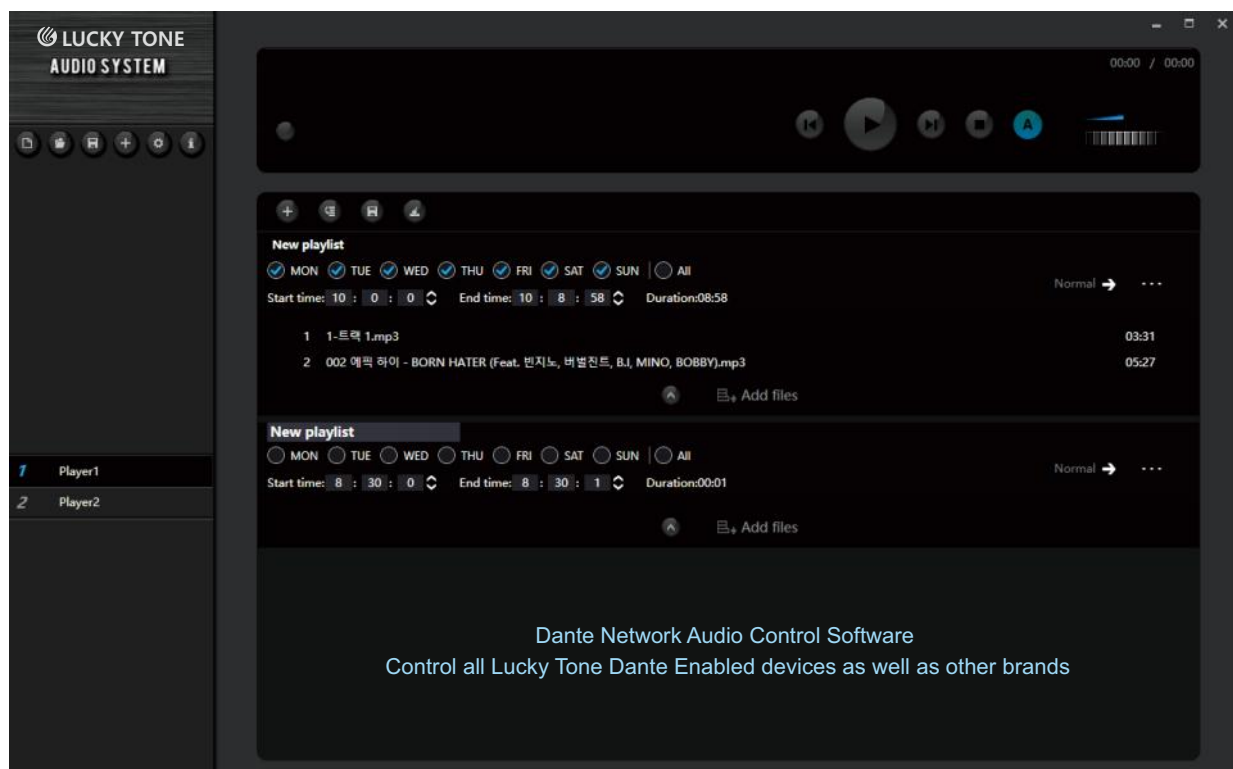


Model	DMIC 3
Input	Cat 5 connector
Transmission	Dante Network
Wire range	Cat-5 or above
Gooseneck size	300mm or made to order
Sensitivity	-45 dB
Capsule type	Uni directional
Frequency Response(20~20KHz)	±0.2dB
Power Supply	PoE IEEE802.3af
Signal to Noise Ratio	65dB, 1kHz@1Pa
Power	2.3W
Base Size	94*143*44mm
Weight	0.87kg

8-Channel Programmable Timer Dante Player8/Dante player16

Features:

- ▶ 8/16 audio channels can play simultaneously.
- ▶ Each channel supports independent scheduled broadcast and manual broadcast.
- ▶ Scheduled broadcast can be configured on daily, weekly and monthly basis. Manual broadcast supports loop mode and random mode.
- ▶ With super-fast loading speed, the brand-new playback engine does not occupy CPU for playback, and the playback of all zone is fully synchronized.
- ▶ Supports audio formats and video formats such as MP3, WAV, WMA, WMV, RM, RMVB, MPEG1, MPEG2, DIVX and more.
- ▶ The playback engine supports audio fade-in and fade-out effects;
- ▶ The machine prompts 30 seconds in advance to avoid accidental shutdown;
- ▶ Supports high priority broadcast override
- ▶ Supports Dante virtual sound card



Dante 4 In 4 Out Configurable Digital Audio Processor

Features:

- ▶ Built-in 2 in 2 out USB sound card, supporting music playback, recording and soft video conferencing, such as: ZOOM, Tencent Meeting, DingTalk Meeting, etc;
- ▶ Supports AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing.
- ▶ 8-band equalizer providing 5 filter options: Parametric, Lowshelf, Highshelf, Lowpass, Highpass.
- ▶ Provides customizable user interface, and support up to 30 devices to be managed under the same UI.
- ▶ Supports RS232, RS485 and UDP central control.


Model
DSP-440ND+

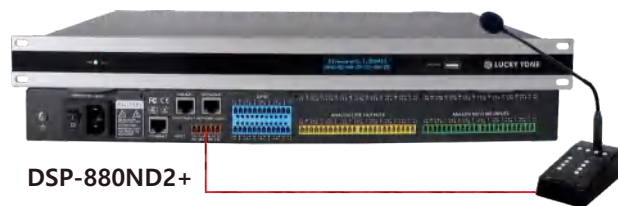
Processor	ADI SHARC 21489@450 MHz SIMD
DSP processing power	400 MIPS, 1.6 GFLOPS
Sample Rate	48K/24bit
Number of analog input and output channels	4x4
Number of Dante input and output channels	4x4
Input Gain	0/6/12/18/24/30/36/42/48 dB
Phantom Power	+48V/10mA max
Frequency Response	20~20kHz: ± 0.5 dB
Max. Level	+18dBu
THD+N	<-100dB @4dBu
Input Dynamic Range	110dB
Output Dynamic Range	112dB
Channel Isolation @1kHz	108dB
Input Impedance (balanced connection)	5.4K Ω
Output Impedance (balanced connection)	600 Ω
System Latency	<3ms
Power Supply	DC12V/PoE48V
Dimension	215x162x44mm
Weight	2KG

Dante Audio Processor

8 In 8 out DSP Audio Processor



DSP-880N2+



DSP-880ND2+

Description:

DSP-880N2+/DSP-880ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.

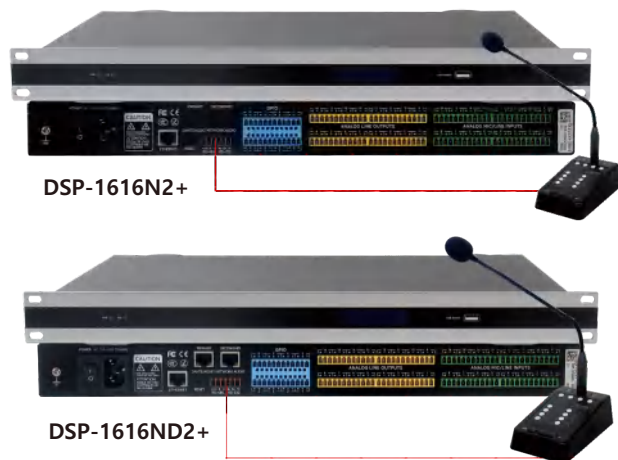
The input and output modules of DSP can be customized according to the site conditions. At the same time, it has independent AFC/ AEC/ ANS/ AGC/ gain sharing automatic mixing, threshold automatic mixing and other processing modules.

Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

- ▶ With industry-leading chip ADI SHARC 21489, the working frequency can reach 450M Hz;
- ▶ Customizing operation software makes the configuration more flexible, and it can control Different DSP.
- ▶ Provides operation interface for customers to realize centralized control of multiple devices. And it can control third-party's equipment through DUP RS232, Rs485;
- ▶ AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing, dodger and other processing modules;
- ▶ Each channel has independent adaptive feedback suppression, automatically find the feedback point, and automatically suppress;
- ▶ Full-featured matrix mixing, the input mixing level can be adjusted;
- ▶ There are 16 presets, each preset works independently;
- ▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input;
- ▶ Support channel copy, LINK and group functions;
- ▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;
- ▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-880N2+/DSP-880ND2+
Input Channels(analog)	8
Output Channels(analog)	8
Input	5/ 8/ 12 section PEQ (optional), AFC/AEC/ANS/AGC/Auto Mixer
Output	Frequency divider: 5, 8, 12 segment PEQ (optional); Delayer; Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz ± 0.2 dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Self-Noise (A-Weighting-analog)	-89dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4K Ω
Output impedance (balanced connection)	102 Ω
System delay	<3ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

16 In 16 Out DSP Audio Processor

Description:

DSP-1616N2+/DSP-1616ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.

The input and output modules of DSP can be customized according to the site conditions. At the same time, it has independent AFC/ AEC/ ANS/ AGC/ gain sharing automatic mixing, threshold automatic mixing and other processing modules.

Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

- ▶ With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;
- ▶ Customizing operation software makes the configuration more flexible, and it can control Different DSP.
- ▶ Provides operation interface for customers to realize centralized control of multiple devices. And it can control third-party' s equipment through DUP RS232, Rs485;
- ▶ AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing, dodger and other processing modules;
- ▶ Each channel has independent adaptive feedback suppression, automatically find the feedback point, and automatically suppress;
- ▶ Full-featured matrix mixing, the input mixing level can be adjusted;
- ▶ There are 16 presets, each preset works independently;
- ▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input;
- ▶ Support channel copy, LINK and group functions;
- ▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;
- ▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-1616N2+/DSP-1616ND2+
Input Channels(analog)	16
Output Channels(analog)	16
Input	5/ 8/ 12 section PEQ (optional), AFC/AEC/ANS/AGC/Auto Mixer
Output	Frequency divider: 5, 8, 12 segment PEQ (optional); Delayer; Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz ± 0.2 dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Dynamic range (Dante channel)	115dB
Self-Noise (A-Weighting-analog)	-89dBu
Self-Noise (A-Weighting-Dante)	-91 dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4K Ω
Output impedance (balanced connection)	102 Ω
System delay	<6ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

Dante Audio Processor

32 In 32 Out DSP Audio Processor with Dante



Description:

DSP-3232ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.

Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

- ▶ With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;
- ▶ Provides operation interface for customers to realize centralized control of multiple devices.
- ▶ UDP, RS232, RS485 can control third-party' s equipment,with full-featured matrix mixing, the input mixing level can be adjusted;
- ▶ There are 16 presets, each preset works independently;
- ▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input and it supports channel copy, LINK and group functions;
- ▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;
- ▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-3232ND2+
Dante audio channel	Dante Ultimo
Input	8 section PEQ (optional), Expander, Compressor
Output	Frequency divider, 8 segment PEQ, Delayer, Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz $\pm$ 0.2dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Dynamic range (Dante channel)	115dB
Self-Noise (A-Weighting-analog)	-89dBu
Self-Noise (A-Weighting-Dante)	-91dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4K Ω
Output impedance (balanced connection)	102 Ω
System delay	<6ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

64 In 64 Out DSP Audio Processor with Dante

Description:

DSP-6464ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.

Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

- ▶ With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;
- ▶ Provides operation interface for customers to realize centralized control of multiple devices.
- ▶ UDP, RS232, RS485 can control third-party' s equipment,with full-featured matrix mixing, the input mixing level can be adjusted;
- ▶ There are 16 presets, each preset works independently;
- ▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input and it supports channel copy, LINK and group functions;
- ▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;
- ▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-6464ND2+
Dante audio channel	Dante Ultimo
Input	8 section PEQ , Expander, Compressor
Output	Frequency divider, 8 segment PEQ, Delayer, Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz ± 0.2 dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Dynamic range (Dante channel)	115dB
Self-Noise (A-Weighting-analog)	-89dBu
Self-Noise (A-Weighting-Dante)	-91dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4K Ω
Output impedance (balanced connection)	102 Ω
System delay	<6ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

Dante Audio Processor

Open Architecture Dante 8 In 8 Out DSP Audio Processor

Description:

The input and output modules of DSP can be customized according to the site conditions. At the same time, it has independent AFC/ AEC/ ANS/ AGC/ gain sharing automatic mixing, threshold automatic mixing and other processing modules. Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.



Features:

- ▶ Customizing operation software makes the configuration more flexible, and it can control Different DSP.
- ▶ Provides operation interface for customers to realize centralized control of multiple devices. And it can control third-party's equipment through DUP RS232, Rs485;
- ▶ AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing, dodger and other processing modules;
- ▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input;
- ▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code
- ▶ High-quality 24bit A/D and D/A converter
- ▶ Dual network backup
- ▶ Dual Power Redundancy (AC/DC)

Model	DSP-880LD2+
Type	Network interface, D/A conversion
AEC	Built-in 4 AEC channels
Channels	8 channels mic (with phantom power)/ Line input, 8 channels line output
Network port	2 Gigabit Ethernet ports
Control ports	8 GPIO channels and 1 general purpose serial port Rs232
Frequency Response	20Hz~20kHz
Frequency of sample	48kHz
Dynamic Range	118dB
THD+N	<0.002%
Phantom Power	+48V DC 10mA
Gain	6dB/step (0db~45dB)
AD/DA	123dB
OPA(operational amplifier)	113 dB
Input Impedance (Balanced)	8k Ω
Output impedance (balanced)	207 Ω
SNR	> 90dB
Maximum input and output level	+20dBu/10dBv

Open Architecture Dante DSP Audio Processor

Description:

The DSP intelligent digital audio processing server adopts two processing chips with a main frequency of 1GHz, which is the core device of the thermal computing system platform. The server has network backup and dual-host backup functions. Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

- ▶ Gigabit network transmission, network transmission backup
- ▶ Independent AEC modules can be added
- ▶ Dual host warm backup (Active/Standby) mode
- ▶ Player: 16-channel audio player, 64G memory, WAV/MP3 with scheduled playback
- ▶ Provides operation interface for customers to realize centralized control of multiple devices.
- ▶ Dual Power Redundancy (AC/DC)



Model	DSP-3232 LD+	DSP-6464 LD+
Network channel	32*32	64*64
Audio I/O capability	8 audio I/O card slots	8 audio I/O card slots
Multitrack player capability	16 tracks	16 tracks
Media storage capacity	64G	64G
Dynamic range	/	>118dB
Frequency Response ($\pm 0.2\text{dB}$)	/	20Hz~20kHz
Input Impedance	/	5.5k ohm
THD+N	/	<0.002%
Maximum input level	/	+22dBu
RS232/485	/	6Pin3.81mm Phoenix
GPIO	12Pin 3.81mm Phoenix Block	12Pin381mm Phoenix
Dante Primary	RJ45 1000Mbps	RJ45 1000Mbps
Dante Secondary	RJ45 1000Mbps	RJ45 1000Mbps
AC Main Power	IEC connector	IEC Connector
DC backup power supply	24VDC 2A 2pin 5.81mm	24VDC 2A 2pin 5.81mm Phoenix
Voltage	220VAC~240VAC	220VAC~240VAC, 50Hz/24VDC
Current	/	4A max@100VAC (actual current depends on specific
Current	/	configuration, such as I/O card
Product size (WxHxD)	483x88x364mm	483x88x364mm
Shipping Package Dimensions	618x153x473mm	618x153x473mm
Shipping weight	10KG	10KG

Dante Audio Processor

Technical parameters	Audio information processing server		Processing interface machine
	DSP-6464 LD+	DSP-3232 LD+	DSP-880 LD+
DSP type	Drag-and-drop DSP processing architecture	Drag-and-drop DSP processing architecture	Drag-and-drop DSP processing architecture
Number of card slots	8	8	\
Built-in AEC channel	0	0	4
Max AEC processing power	64	32	4
Network audio channel	64x64	32x32	8x8
GPIO	8x8	8x8	8
RTA real-time analyzer	√	√	\
Dante I/O channel	√	√	√
Expandable I/O interface box	√	√	√
IOS control interface	√	√	√
PC computer control	√	√	√
Logic control	√	√	√

Technical parameters	Input Interface Card	Input Interface Card	AEC Input Interface Card
	DSP-AI4 LD+	DSP-AO4 LD+	DSP-AEC4 LD+
Number of channels	4ch	4ch	4ch
Frequency influence	20Hz~20kHz	20Hz~20kHz	20Hz~20kHz
Phantom power	48VDC	-	48VDC
Dynamic range	>118dB	>118dB	>118dB
Total harmonic distortion	<0.002%	<0.002%	<0.002%

4-CH Output Module for Open Architecture DSP-6464LD+ or DSP-3232LD+



DSP-AO4 LD+

Description:

The analog output card provides 4-channel line output. DSP-AO4 LD+ employs electronically balanced outputs and plug-in connectors. Control functions for each output include: gain level and mute control.

Features:

- ▶ 4 balanced line outputs
- ▶ Easy for installation
- ▶ Control and configure via software

4-CH MIC/Line 48V Phantom Power Input Module for Open Architecture DSP-6464LD+ or DSP-3232LD+



DSP-AI4 LD+

Description:

The analog input card provides functions, including 4-channel mic/line input, +48V phantom power, 84dB gain level control and 58dB Mic Amp. DSP-AI4 LD+ adopts plug-in balanced inputs. Control functions for each input include: gain level control, Mic Amp, mute, and signal inversion.

Features:

- ▶ 4 mic inputs/line inputs
- ▶ +48V phantom power
- ▶ Dynamic range of 118dB
- ▶ Easy for installation
- ▶ Control and configure via software

4-CH AEC Module for Open Architecture DSP-6464LD+ or DSP-3232LD+



DSP-AEC4 LD+

Description:

The AEC input card provides 4-channel AEC (Acoustic Echo Cancellation), phantom power, 84dB gain level, and 58dB Mic Amp (Microphone Amplifier). DSP-AEC4 LD+ provides AEC broadband processing. Each channel of AEC input card has independent input and direct output for local sound reinforcement.

Features:

- ▶ 4-channel AEC input card with DSP processing capability
- ▶ With additional DSP processing power to serve the system
- ▶ Easy for installation
- ▶ Control and configure via software

Model	DSP-AO4 LD+	DSP-AI4 LD+	DSP-AEC4 LD+
Dynamic range	>118dB	> 118dB	>118dB
Frequency response (± 0.2 dB)	20Hz~20kHz	20Hz~20kHz	20Hz~20kHz
Input impedance	/	5.5k Ω	5.5k Ω
Output impedance	102 Ω	/	/
Channel Crosstalk	<-112dB	<-112dB	<-112dB
THD+N	<0.002%	<0.002%	<0.002%
Common Mode Rejection Ratio (@0dBu)	/	>91dBu	>91dBu
Maximum input level (@1% distortion)	/	+22dBu	+22dBu
Maximum output level (@1% distortion)	+22dBu	/	/
Connectors	four 3-pin Euro breakaway terminals	four 3-pin Euro breakaway terminals	four 3-pin Euro breakaway terminals

Audio Processor

AV System Manager with 8 In 8 Out DSP Audio Processor

Features:

- ▶ The AV+ series multimedia management host features a compact 2U design, offering robust audio processing capabilities and exceptional video quality. It supports seamless 4K60 4:4:4 video switching, HDMI 2.0, and HDR.
- ▶ Utilizes 5A algorithm technology, offering powerful audio processing capabilities.
- ▶ Supports seamless 10Gb video matrix, with 4K60 4:4:4 resolution.
- ▶ Supports High Dynamic Range (HDR) and HDR10 with 36-bit deep color.
- ▶ Equipped with a simplified central control programming interface, featuring a drag-and-drop user interface for graphical operation.
- ▶ Adopts an all-in-one device design, combining an audio processor, video matrix, and central control in one unit.
- ▶ Independent channel Automatic Feedback Control (AFC) using notch filter algorithms, providing a gain increase of 10dB and noise suppression (ANS) for an 18dB improvement in signal-to-noise ratio.
- ▶ Features an 8-band British-style parametric equalizer with five filter options: Parametric, Lowshelf, Highshelf, Lowpass, and Highpass.
- ▶ Built-in USB sound card, supporting music playback, recording, and software video conferencing (e.g., Zoom, Tencent Meeting, DingTalk Meeting, etc.).
- ▶ Compatible with HDMI 2.0, HDCP 2.2, HDCP 1.4, and DVI 1.0.
- ▶ Includes 4 HDMI inputs and 4 HDMI outputs.
- ▶ Provides independent audio separation for each channel to the digital audio processor.
- ▶ Smart EDID management, offering AUTO, COPY, and STD modes.
- ▶ Four RS-232 and four RS-485 ports with adjustable baud rates for individual configuration.



Model	DSP-880AV+
Audio Channel	8*8
HDMI Matrix Channel	4x4
Control Interface	RS232 x 3; RS485 x 3
Processor	ADI SHARC 21489
Sampling Rate/Quantization Bit Depth	48K/24bit
Floating-Point Processing Engine	40bit DSP
Input Gain	0/6/12/18/24/30/36/42/48dB
Phantom Power	+48V/10mA max
Maximum Level	+18dBu
THD+N	<-92dB @17dBu
Input Dynamic Range	110dB
Output Dynamic Range	110dB
Channel Isolation	@1kHz:108dB
Input Impedance (Balanced):	5.4k Ω
(Output Impedance (Balanced))	600 Ω
Audio System Delay	<3ms
Video Resolution	4K2K@60Hz YCbCr 4:4:4
Uncompressed Video Bandwidth	18Gbps
Video Support	Dolby Vision、HDR 10+、HLG
Operating Voltage	AC220V/60Hz

Dante Wall Control Panel
Features:

- ▶ Support customized functions
- ▶ Use UDP communication protocol
- ▶ POE power supply
- ▶ Support 32 menus(DCON-8)

DCON-7 Dante Wall Control Panel for
DSP 1616N+, 1616ND+, 880N+, 880ND+,3232ND+, 6464ND+, 8 buttons

DCON-8 Dante Wall Control Panel for
DSP 1616N+, 1616ND+, 880N+, 880ND+,3232ND+, 6464ND+, LCD screen

Model	DCON-7	DCON-8
Programmable buttons	8 (support user-defined)	No button
Control knob	1	
Control protocol	UDP communication protocol	
Address setting method	TCP/IP	
Signal cable length	100 meters	
Power supply	POE power supply	
Connection port	RJ-45	
Power consumption	<100mw	
Color	Silver as default and white color optional	
Material	Aluminum alloy sandblasting	
Product Dimension	156 x 96 x 38mm	86 x 86 x 51.5mm


DCON-7

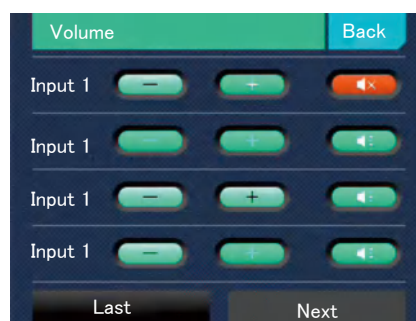
DCON-8
Dante Wall Control Panel

DCON-3 Dante Wall Control Panel For DSP-880N, 880ND, 1616N, 1616ND

DCON-6 Dante Wall Control Panel For DSP 880N+, 880ND+, and 880M+


Features:

- ▶ Standard 86 back box installation
- ▶ 4 inch Capacitive touch screen
- ▶ Support TF card upgrade
- ▶ Rs485 interface
- ▶ Support scene switching, 8 input and output volume adjustment



Dante Wall Panel

Dante Wall Control Panel



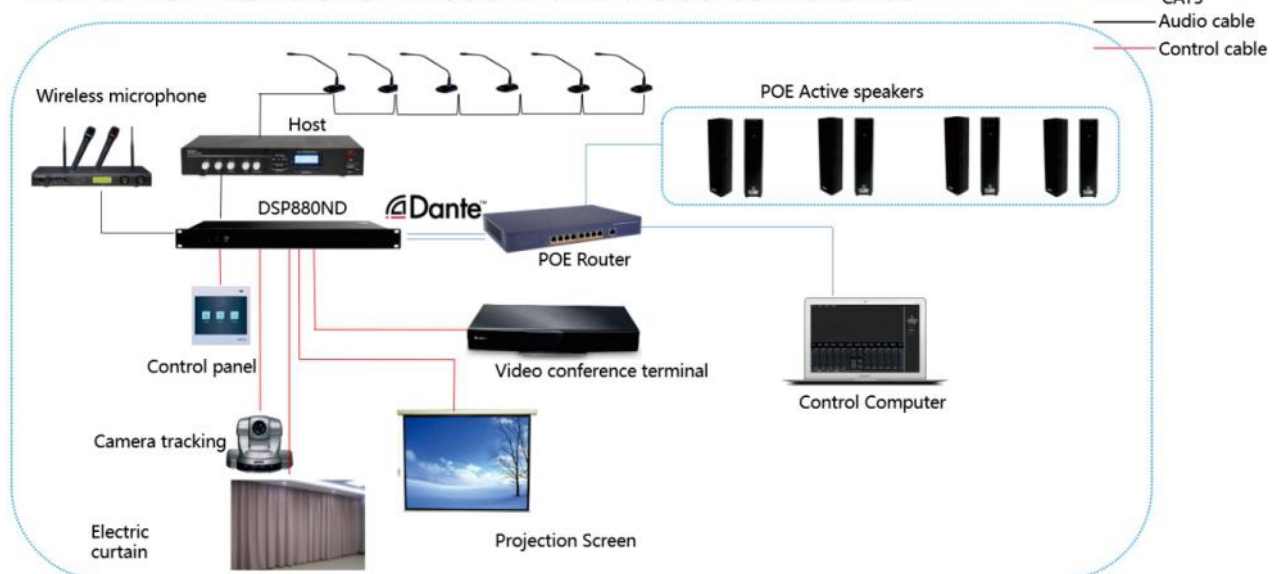
Features:

- Supports centralized control of processing functions for 32 devices.
- Control of DSP volume, mute, presets, matrix mixing, and device status detection.
- Functions support user customization.
- Adopt UDP communication protocol.
- Powered by PoE or DC 12V.

Dante Wall Control Panel for DSP 1616N+, 1616ND+, 880N+, 880ND+, 3232ND+, 6464ND+

Model	DCON-9
Screen	8 Inch
Color	Black
Screen Type	IPS
Resolution	1280x800
Brightness	250cd/m2
Operating System	Android 8.1
Main Chip	Quad-core cortex-A17, RockChip RK3288
RAM	2GB
Storage	16G
Contrast Ratio	800:1
Aspect Ratio	16:9
Power Input	DC 12V 1.5A & PoE IEEE802.3AT
Product Dimensions	212.2x147.6x31mm
Product Weight	0.7Kg

Dante DSP Controller in audio and video conference



Dante Ceiling Speaker with POE

Description

Dante DP PoE Speaker can realize its multifunction the POE power supply or 12VDC, audio transmission and signal control via a RJ45 Ethernet port. It can obtain power supply from any Ethernet switch of 802.3 or above standard.

Over Dante™ Ethernet that transmits 24-bit audio (44.1K/48KHz) and its control signal can be routed through the Dante™ Controller. All these functions can perform remotely on the PC or Mac by Dante Controller Software.

Ordering Code

Dante DP 615:

15W Dante 6-inch Metal Ceiling Speaker with External 12V DC power supply

Dante DP 615 POE:

15W Dante 6-inch Metal Ceiling Speaker with POE power supply

DANTE DP 830R POE with DSP:

30W Dante 8-inch Ceiling Speaker with DSP and POE power supply

Features:

- ▶ Dante network compatibility for seamless integration and easy audio distribution in networked environments.
- ▶ Power over Ethernet (PoE) capability for simplified installation and reduced cable clutter.
- ▶ Built-in Digital Signal Processing (DSP) for enhanced audio performance, providing clear and balanced sound reproduction. (DANTE DP 830R POE with DSP)
- ▶ Kevlar driver construction ensures durability and delivers high-quality audio with accurate and natural sound reproduction. (DANTE DP 830R POE with DSP)



DANTE DP 830R POE with DSP

Dante DP 615POE



Model	Dante DP 615POE	DANTE DP 830R POE with DSP
Input Interface	RJ-45	RJ-45
Audio Input Signal	Dante™ Balanced amplified signal	Dante™ Balanced amplified signal
Cable	Cat-5 or above	Cat-5 or above
Output Power	15W	30W
Transmission Rate	100M/1000M bps	100M/1000M bps
Frequency Range	100Hz - 18kHz	65Hz-20kHz
Sensitivity	91dB 1w/1m	89dB
Sound Pressure Level	106dB (peak)	104dB (peak)
Total Harmonic Distortion	<0.30%	<0.30%
Signal to Noise Ratio	>100dB	>100dB
Noise Floor	<1mV	<200uV
System Efficiency	>80%	>70%
Enclosure	Metal	Metal
Operation Temperature	-10 to 50 Degree	-10 to 50 Degree
Color	White	White
Dimension	Dia 200 x 130mm	Dia 280x180mm
Net Weight	0.95kg	2.5kg

Dante Speaker

Dante Ceiling Speaker with POE and DSP

Description:

With two-way drivers, the 100-watt loudspeaker offers rich lows and clear, intelligible highs—along with premium aesthetics that complement any commercial sound installation. DANTE DP 660R POE with DSP features a 6.5-inch woofer and a 1.25-inch tweeter mounted within the Dispersion Alignment system, delivering a frequency range of 75Hz–20kHz.

Features:

- **High-Quality Audio:** The rimless Dante ceiling speaker with DSP and PoE delivers exceptional audio quality, ensuring clear and immersive sound reproduction in any space.
- **Seamless Integration:** Designed with a rimless and discreet profile, this speaker seamlessly blends into any environment, making it an aesthetically pleasing choice for both residential and commercial installations.



Ordering Code:

DANTE DP 660R POE with DSP: Dante 6-inch Ceiling Speaker with POE power supply 60W, Rimless front with safety wire, with DSP
DP660V: High performance 6-inch Ceiling Speaker with 100W 8OHM; 100V line 80W/40W/20W/10W, Rimless front with safety wire

Model	DANTE DP 660R POE with DSP	DP660V
Speaker Size	1x1" tweeter + 1x6.5" woofer	1x1" tweeter + 1x6.5" woofer
Power at 8ohm	60W (240W, Peak)	100W (400W, Peak)
Power at 100V	/	80W/40W/20W/10W
Power at 70V	/	40W/20W/10W/5W
Sensitivity(1M/W)	91dB	93.1dB
SPL	108dB	111.1dB
Frequency Range	75Hz~20KHz	75Hz~20KHz
Input Interface	RJ45	/
Audio Transmission Protocol	Dante	/
Audio Routing Control	Dante Controller	/
Power Input	802.3af/802.3at/802.3bt compatible	/
Material	Iron+ABS	Iron+ABS
Cutout Size	Dia 280mm	Dia 280mm
Product Size	Dia 316*197mm	Dia 316*197mm
Net Weight	4.5kg	5.2kg
Gross Weight	6.3g	7kg

Dante Wall Speaker

Description

Dante DP PoE Speaker can realize its multifunction the POE power supply or 12VDC, audio transmission and signal control via a RJ45 Ethernet port. It can obtain power supply from any Ethernet switch of 802.3 or above standard.

Over Dante™ Ethernet that transmits 24-bit audio (44.1K/48KHz) and its control signal can be routed through the Dante™ Controller. All these functions can perform remotely on the PC or Mac by Dante Controller Software.

Ordering Code

DANTE DP 430:

30W Dante Wall Speaker with External 12V DC power supply

DANTE DP 430 POE:

30W Dante Wall Speaker with POE power supply

DANTE DP 430 POE With DSP:

30W Dante Wall Speaker with POE power supply and DSP



Front

Rear



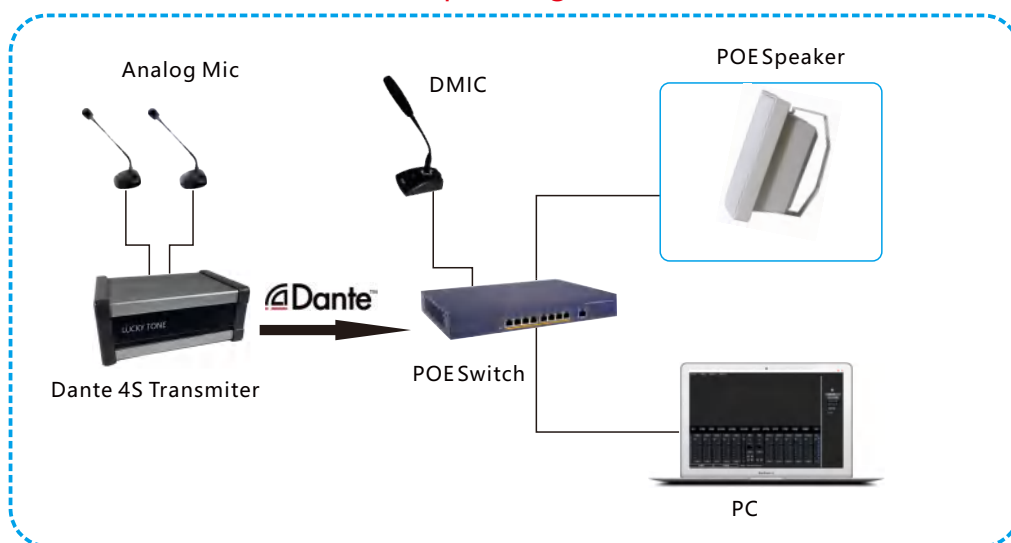
Side

Model

Dante DP 430

Input Interface	RJ-45
Audio Input Signal	Dante™ Balanced amplified signal
Cable	Cat-5 or above
Output Power	30W
Transmission Rate	100M/1000M bps
Frequency Range	80Hz – 20kHz
Sensitivity	90dB 1w/1m
Sound Pressure Level	108dB (peak)
Total Harmonic Distortion	<0.30%
Signal to Noise Ratio	>100dB
Noise Floor	<200uV
System Efficiency	>70%
Enclosure	ABS
Operation Temperature	-10 to 50 Degree
Color	RAL-9010
Dimension	(High)295 x (Width)195 x (Depth)155mm
Net Weight	2.6kg

Example Diagram



Dante Speaker

Dante Wall Speaker

Description:

Introducing our cutting-edge Dante Network Wall Mount Speaker designed for both indoor and outdoor commercial audio applications. With its robust IP66 protection, this speaker ensures durability and reliability in any environment. Seamlessly integrate into any Dante network for effortless audio distribution and control. Experience exceptional sound quality with powerful performance and wide coverage. Whether it's a retail space, restaurant patio, or outdoor venue, our Dante Network Wall Mount Speaker delivers immersive audio that captivates your audience. Revolutionize your audio experience today and elevate your commercial audio installations to new heights of excellence.



Ordering Code

WIP-5 Dante POE: Dante Wall mount Speaker
40W with IP66, POE

WIP-6 Dante POE: Dante Wall mount Speaker
60W with IP66, POE

WIP-8 Dante POE: Dante Wall mount Speaker
80W with IP66, POE

Model	WIP-5 Dante POE	WIP-6 Dante POE	WIP-8 Dante POE
Input Interface	Rj45	Rj45	Rj45
Audio Input Signal	Dante™ Balanced amplified signal	Dante™ Balanced amplified signal	Dante™ Balanced amplified signal
Output Power	40W	60W	80W
Impedance	8ohms	8ohms	8ohms
Max SPL@ 1M	98dB	102dB	105dB
Freq. Response	100Hz-20KHz	90Hz-20KHz	70Hz-20KHz
Dispersion Angel	90x80 degree	90x80 degree	90x80 degree
Product Size	285x170x161mm	285x200x195mm	382x262x240mm
Installation	Wall mount	Wall mount	Wall mount
Enclosure Material	ABS	ABS	ABS
Weight	3kg	3.5kg	4.5kg
Color	White/Black	White/Black	White/Black
Speakers	5" woofer, 1" tweeter	6.5" woofer, 1" tweeter	8" woofer, 1" tweeter

Dante Column Speaker with DSP

Description

DP 180POE DSP Speaker can realize its multifunction the POE power supply, audio transmission and signal control via a RJ45 Ethernet port. It can obtain power supply from any Ethernet switch of 802.3 or above standard. DP 180POE DSP adopts SSA inverter technology allowing that the high-quality enlargement of superior sound quality realizes on this compact speaker of low power design. The system built with plastic body and 6pcs 3 inch high efficient Neodymium driver.

Over Dante™ Ethernet that transmits 24-bit audio (44.1K/48KHz) and its control signal can be routed through the Dante™ Controller. DP 180POE DSP integrates versatile functions like gain control, mute control, 5-band equalizer control and DSP with limit control. All these functions can perform remotely on the PC or Mac by DSP Controller Software.

Ordering Code

DP 180POE DSP: Column speaker with DSP and Dante

DP 180: Passive column speaker



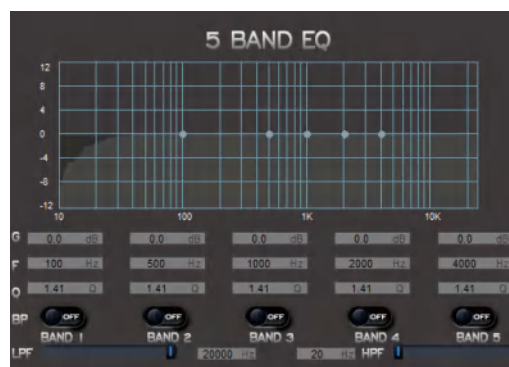
Black as default and white color optional



Built-in Italian LAVOCE ferrite magnet steel basket drivers

Features:

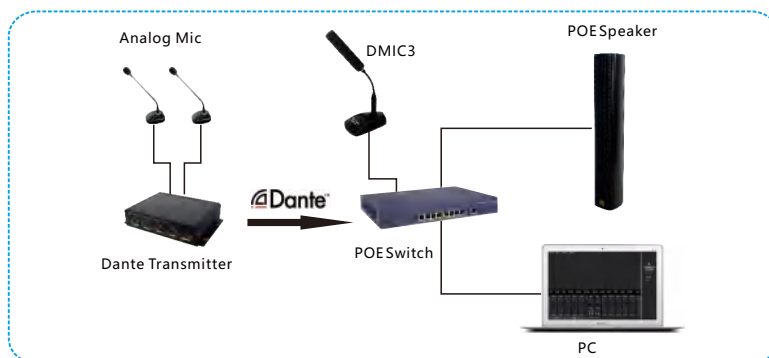
- ▶ Built-in Dante module
- ▶ Built-in power amplifier module and its system
- ▶ efficiency > 70%
- ▶ DSP controlling software
- ▶ PoE power supply
- ▶ Over-current protection, Thermal protection and Overload protection



Control software

Model	DP 180POE DSP	DP 180
Type	Column speaker with DSP and Dante	Passive column speaker
Input Interface	RJ-45	
Audio Input Signal	Dante™ Balanced amplified signal	
Cable	Cat-5 or above	
Output Power	180W@6ohm, POE boost up to 60W depends on switch power	
Bandwidth	100M/1000M bps	
Frequency Range	110Hz~19KHz(±3dB)	
Sensitivity	95dB (1w/1m)	
Max. SPL	120dB(continuous)	
Total Harmonic Distortion	<0.30%	
Signal to Noise Ratio	>100dB	
Noise Floor	<200uV	
System Efficiency	>70%	
Driver	6*3" Lavoce driver	
Protective Circuitry	Over-current protection, Thermal protection, Overload protection.	
Cooler	Natural convection cooling	
Dimension	(Height)605 x (Width)90 x (Depth)120mm	
Net Weight	3kg	

Example Diagram



Dante Speaker

Dante Steerable Line Array Speaker with DSP

Description

Hard construction materials applied in modern buildings lead to disturbing reverberation. DP 320DSP digital beam steering products were designed for dealing with modern architecture combining hard reflective surfaces such as glass, marble and stone etc. This model was developed precisely for this problem and delivers excellent sound quality even in such demanding environments. With the help of the digitally controllable directivity of an array, the sound is aligned in such a way that an optimal sound field and excellent speech intelligibility are ensured. With its elegant and unobtrusive design, the DP 320DSP fits perfectly into any environment.

An DP 320DSP as a basic device can easily be cascaded with other DP 320DSP. The automatic detection in the digital speaker editor software speeds up the configuration process. All internal amplifier and speaker components are fully monitored. The easy to understand and uncomplicated digital speaker editor configuration software makes configuring line array speakers easier than ever. The software calculates the adjustable sound alignment in real time.

Features

- ▶ 8 × 4" high performance driver
- ▶ Built-in 8-channel Class-D digital amplifier, 8 DSP channels
- ▶ Allows signal input mode switching through DSP control software
- ▶ Unsurpassed sound quality for best speech intelligibility
- ▶ Extremely long ranges
- ▶ Unobtrusive design for environments with demanding acoustics
- ▶ Intelligent Dante modular design



Ordering code:

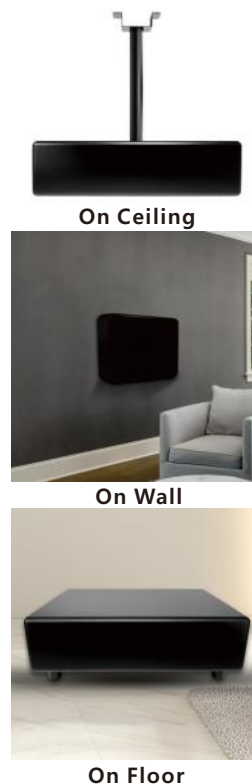
DP 320DSP: Dante Steerable Line Array Speaker with DSP

AT-320DSP: Steerable Line Array Speaker with DSP

Model	DP 320DSP
Output Power	320W
Peak Power	1280W
Frequency Response	120Hz~16kHz
Sensitivity(1m/1W)	91dB
SPL	112dB
THD	<0.03%@-5dB/80Ω
SNR	>105dB@20Hz-20kHz/80Ω
Sampling Rate	24bit/96KHz
Dispersion Angle	Vertical: 20° (±20°) and horizontal: 160°
Material	Aluminum alloy
Audio input connection	Two RJ45 interfaces for Dante digital audio input + one Phoenix terminal for analog balanced signal input
DSP Function	Input: Noise gate, gain, phase, mute, compressor (limiter) Output: Gain, phase, mute, delay, high-pass/low-pass filter, 6-band equalizer
Speaker Driver	8x4" neodymium magnet
Power Supply	AC110-240V
Color	Black/White
Net Weight	7.34kg
Product Dimensions	1126x136x136mm

Network Subwoofer with DSP
Features

- ▶ Dante™ audio over RJ45, seamless integration
- ▶ PoE powered, no extra power supply needed
- ▶ Deep bass performance: 5.25" or 8" woofer
- ▶ High output for powerful, clear low-frequency reinforcement.
- ▶ Equipped with passive radiator for deeper, richer low end (5.25" model)
- ▶ Compact MDF cabinet, White/Black options
- ▶ Flexible installation: wall, floor, or ceiling
- ▶ Ideal for commercial spaces, rooms, and PA systems using Dante audio.


5.25"
8"

On Ceiling
On Wall
On Floor

Model	DANTE-SUB5W/DANTE-SUB5B	DANTE-SUB8W/DANTE-SUB8B
Input Interface	RJ45	RJ45
Audio Input Signal	Dante™ Balanced amplified signal	Dante™ Balanced amplified signal
Output Power	80W	120W
Sensitivity	89±2dB	88±2dB
Max. SPL@ 1M	89±2dB	92±2dB
Speaker Size	5.25" DVC Subwoofer with 35mm Voice Coil	8" Subwoofer with 38mm Voice Coil
Input Voltage	POE	POE
Frequency Response	50-400HZ	35-350HZ
Materials	MDF	MDF
Installation	On Wall/On Floor/On Ceiling	On Wall/On Floor/On Ceiling
Color	White/Black	White/Black
Product Size (L x W x H)	450 × 350 × 150mm	545 × 337 × 160mm
Net Weight	7.3KG	9.2KG

Dante Amplifier

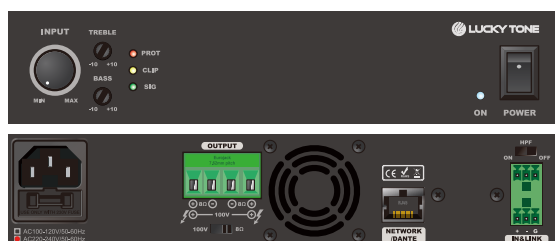
Dante Network Amplifier

Features

- ▶ Receives input directly through Dante audio network
- ▶ Expansive Dante network functionality for flexible system expansion
- ▶ Seamless Dante-to-amp and amp-to-Dante audio conversion
- ▶ Professional-grade SNR and THD+N performance
- ▶ Ultra-low inrush current – no sequenced power required
- ▶ Dante-enabled: Transmits high-quality, low-latency digital audio over standard Ethernet
- ▶ 120Watts ~ 480Watts output
- ▶ Advanced protection system includes current limiting, over current and thermal protections
- ▶ Desktop type with rack mount bracket
- ▶ Two bands tone controls
- ▶ Low distortion and low noise level
- ▶ Compact in Size and easy to install
- ▶ Ideal for commercial, educational, transportation, and industrial applications requiring networked audio solutions



1-Channel



2-Channel



1PC Rack Mount:

HA-BRC



2PCs Combined Rack Mount:

HA-BRC2



Model	HA-1120 Dante/ HA-2120 Dante	HA-1250 Dante/ HA-2250 Dante	HA-1500 Dante/ HA-2500 Dante
Rated Power at 8ohm	2x60W/4x60W	2x120W/4x120W	2x240W/4x240W
Bridged Power at 100V	120W/2x120W	240W/2x240W	480W/2x480W
Power Consumption	195W/360W	325W/635W	588W/1120W
Network Communication Protocol	Dante		
Network Interface	10/100Base-TX, RJ45		
Input sensitivity / Impedance	-0dBu/10kohm Balanced		
Power Supply Voltage	AC 100-120V, 50/60Hz or AC220-240V, 50/60Hz		
Speaker Output	100V / 8Ω		
Frequency Response	80Hz~17KHz (+1dB / -3dB)		
S/N Ratio	>80dB (with A-Weight)		
T.H.D	<1% (at rated power, 1kHz)		
Working Humidity	90%		
Output Channel	1 or 2 channel		
Tone Controls	Bass:100Hz(±10dB), Treble:10KHz(±10dB)		
Working Temperature	0°C~+40°C		
Product Dimension (WxHxD)	215*44*330 mm/215*44*380 mm (Half-Rack)		
Net Weight	3.3kg/3.6kg		

Dante Network Amplifier
► High-Powered Amplification

Dual 30W per channel output ensures powerful and clear audio reproduction.

► Dante Connectivity

Integrated Dante technology allows seamless audio networking, enabling efficient and flexible connectivity for various audio devices over a standard Ethernet network.

► Dual Line Inputs

Equipped with a 2-channel line input, the amplifier accommodates multiple audio sources, facilitating easy integration with a variety of audio devices such as mixers, media players, or other compatible equipment.

► Dual Line Outputs

Enables the expansion of the system's capabilities by routing signals to larger amplifiers for increased power and performance.

► Speaker Output Options

The amplifier offers 2-channel speaker outputs, allowing for the connection of stereo speaker setups. This provides a versatile solution for distributing audio to multiple zones or achieving a stereo sound experience in different areas.

► Versatile Mounting Options

Supports various installation methods, including desktop placement, wall mounting and 2pcs rack mounting.



Desktop version



Wall mount



1PC rack mount



2PCS rack mount


Model
DANTE-250

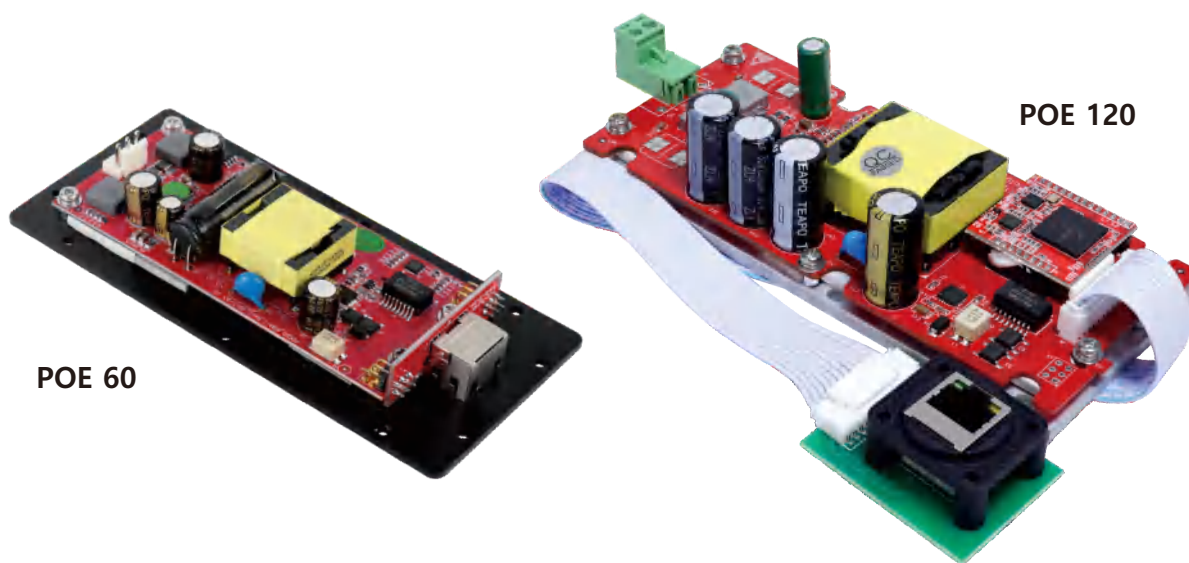
Dante Audio Channel	2
Network Port	RJ45
Output Power	2X50W at DC24V, 2X30W at PoE
Input Sensitivity	Line Input: 400MV Network Input: 500MV
Impedance	40HM
THD	0.1%
SNR	<83dB
Line Input and Output	
Line Input Channel	2
Line Output Channel	2
Input/Output Signal Level	800MV
Balanced Input Impedance	20K Ω
Unbalanced Input Impedance	10K Ω
Distortion	0.008%
SNR	<91dB
Frequency Response	20Hz–20KHz
Power Requirement	24V DC or PoE

Dante Amplifier

Dante Network Amplifier Module with POE and DSP

Features

- ▶ Fully compatible with Dante networks for high-quality, low-latency audio distribution
- ▶ Integrated DSP for precise sound processing and flexible system tuning
- ▶ Delivers audio transmission and PoE power via a standard RJ45 Ethernet port, enabling simple wiring and easy management
- ▶ Can be embedded into passive speakers or installed on walls, cabinets, under tables, and in ceiling spaces
- ▶ Ideal for small to medium fixed installations and commercial applications
- ▶ Supports independent adjustment of speaker gain, EQ, crossover, and limiter functions
- ▶ Enables remote monitoring of speaker temperature, audio level, and fault feedback
- ▶ Centralized interface for unified parameter setting and monitoring of all speakers in the system



Model	POE 60	POE 120
Output Power	30W@8ohm, 60W@4ohm	60W@8ohm, 120W@4ohm
Input Interface	RJ-45	
Cable	Cat-6 or above	
Transmission Rate	100M/1000M bps	
Freq. Response	20~20KHz	
Output Connector	3-Pin Euroblock Phoenix Connector	
Audio Control	Volume/Mute/Limiter/EQ/Channel Selection	
Protection Function	Over-current/Over-temperature/Overload Protection	
Power Requirements	PoE	
THD	<0.30% @ >100 dB	
Noise Floor	<200uV	
SNR	>100dB	
System Efficiency	>76%	
Operation Temperature	0 to 40 Degree	
Product Dimensions	148x68x22mm	158x62.5x36mm

2-Channel Dante Converter

Features

- ▶ Convert 2 channels of analog line input signals to a Dante network
- ▶ High Resolution 24 Bit Analog to Digital Conversion
- ▶ AES67 compliant
- ▶ Powered by Power over Ethernet switch or a PoE injector (802.3 af/at class1) or DC 5V via Micro USB connector


DI22

DO22

DU22

Model	DI22(Analog to Dante)	DO22(Dante to Analog)	DU22(USB to Dante)
Maximum Output Level	18dbu	18dbu	/
Dynamic Range	110dB	116dB	/
THD+N	0.007% at 1kHz+4dBu	0.001% at 1kHz 4dBu	/
Signal-to-noise Ratio	>110dB	116dB	/
Frequency Response	20Hz to 20kHz(-/+0.2dB)	20Hz to 20kHz(-/+0.1dB)	/
Connector	RJ45 & 2XLR-F	RJ45 & 2XLR-M	RJ45 & USB Type A
Sampling Rate	44.1kHz/48kHz/96kHz	44.1kHz/48kHz/96kHz	44.1kHz/ 48kHz/96kHz
Data Bits	24bit	24bit	24bit
Dante Device delay	<1ms	<1ms	1,2,or5ms
Power Supply	Class 1 802.3af PoE	Class 1 802.3af PoE	DC 5V
Dimension	132*35*30mm	132*35*30mm	132*35*30mm

2-Channel Dante Converter

Features

- ▶ Two-way transmission (analog line input signals $\rightleftharpoons$ Dante signal)
- ▶ High Resolution 24 Bit Analog to Digital Conversion
- ▶ AES67 compliant
- ▶ Support recording and playback
- ▶ Compatible with Win/Linux/Android/IOS/Mac system
- ▶ Powered by DC 5V via USB-C connector

DC22

DB21

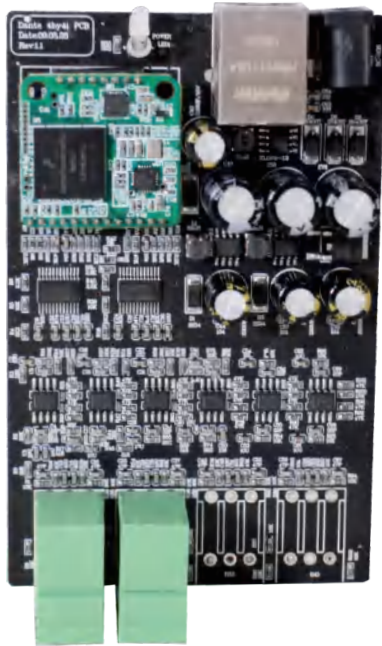

Model	DC22(Dante to USB-C)	DB21(Dante to Bluetooth)
Connector	Rj45 & USB Type C	Rj45
Sampling Rate	48kHz	48kHz
Data Bits	24bit	24bit
Dante Device Latency	1, 2 or 5ms	1, 2 or 5ms
Power Supply	DC 5V	802.3af PoE
Net Weight	150g	70g
Dimension(W*H*D)	122*35*22mm	115*35*29mm

Dante Bluetooth Adapter

Features

- ▶ Plug and Play
- ▶ Two-way transmission(Dante signal $\rightleftharpoons$ Bluetooth signal)
- ▶ Controlled by Dante Controller

Dante 2 In 2 Out PCB Board



Dante 2 PCB

Dante 4 In 4 Out PCB Board



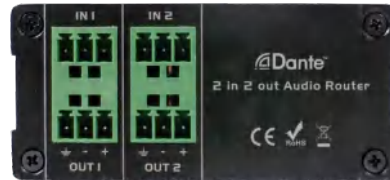
Dante 4 PCB

Features:

- ▶ Ideal interface to increase the number of microphones or AUX inputs
- ▶ 2/4 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.
- ▶ 2/4 balanced MIC/AUX inputs, and also 2/4 outputs using phoenix connector
- ▶ CAT5/6 connector to link with Dante network and controlled by Audinate

Model	Dante 2 PCB	Dante 4 PCB
Input	2 balanced/unbalanced input	4 balanced/unbalanced input
Input Impedance	Greater than 1800 Ω	Greater than 1800 Ω
Max. Input Level	+8dbu@ 0dB gain	+8dbu@ 0dB gain
Output	2 balanced/unbalanced output	4 balanced/unbalanced output
Output Impedance	200 Ω balance	200 Ω balance
Max. Output Level	+20dbu balance	+20dbu balance
Freq. Response	20~20KHz, ± 1 dB	20~20KHz, ± 1 dB
THD	Less than 0.02%	Less than 0.02%
Power Requirements	12V DC	12V DC
Dimensions	115x70x26 mm	115x70x26 mm

Dante 2 In 2 Out Transmitter



Features:

- Ideal interface to increase the number of AUX inputs
- 2 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.
- 2 balanced AUX inputs, and also 2 outputs using phoenix connector
- CAT5/6 connector to link with Dante network and controlled by Audinate
- Small size integrated mounting bracket which can be installed in very limited space

Model with "POE" comes with a POE splitter

Model	Dante 2by2i/ Dante 2by2i POE	
Input	2 balanced/unbalanced input	
Input Impedance	10K Ohm	
Max. Input Level	+2dB	
Output	2 balanced/unbalanced output	
Output Impedance	10K Ohm	
Max. Output Level	+2dB	
Freq. Response	20~20KHz, ± 1 dB	
THD	0.01%	
Power Requirements	12V DC	12V DC or POE
Dimensions	123x75x35 mm	

Dante 4 In 4 Out Transmitter



Features:

- Ideal interface to increase the number of AUX inputs
- 4 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.
- 4 balanced AUX inputs, and also 4 outputs using phoenix connector
- CAT5/6 connector to link with Dante network and controlled by Audinate
- Small size integrated mounting bracket which can be installed in very limited space

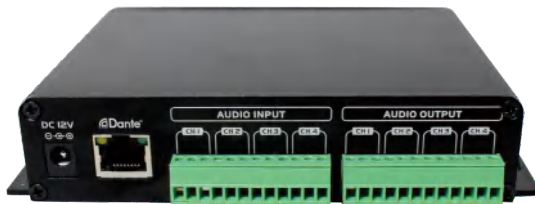
Model with "POE" comes with a POE splitter

Model	Dante 4by4i/ Dante 4by4i POE	
Input	4 balanced/unbalanced input	
Input Impedance	10K Ohm	
Max. Input Level	+2dB	
Output	4 balanced/unbalanced output	
Output Impedance	10K Ohm	
Max. Output Level	+2dB	
Freq. Response	20~20KHz, ± 1 dB	
THD	0.01%	
Power Requirements	12V DC	12V DC or POE
Dimensions	123x75x35 mm	

Dante 4 In 4 Out Transmitter

Features:

- ▶ Ideal interface to increase the number of microphones or AUX inputs
- ▶ 4 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.
- ▶ 4 balanced MIC/AUX inputs, and also 4 outputs using phoenix connector
- ▶ CAT5/6 connector to link with Dante network and controlled by Audinate
- ▶ Small size integrated mounting bracket which can be installed in very limited space
- ▶ The volume of each channel can be adjusted independently.



Model with "POE" comes with a POE splitter

Model	Dante 4by4/Dante 4by4POE	
Input	4 balanced/unbalanced input	
Input Impedance	Greater than 1800 Ω	
Max. Input Level	+8dbu@ 0dB gain	
Output	4 balanced/unbalanced output	
Output Impedance	200 Ω balance	
Max. Output Level	+20dbu balance	
Freq. Response	20~20KHz, ± 1 dB	
THD	Less than 0.02%	
Power Requirements	12V DC	12V DC or POE
Dimensions	133 x 100 x 26 mm	

Dante 8 In 8 Out Transmitter
Features:

- ▶ Built-in DSP enables signal routing, EQ, limiting, noise gating and programming
- ▶ Integrated with Dante audio network port
- ▶ 4 Analog input and output;
- ▶ 4 Digital input and output for Dante network
- ▶ Support software control and programming through RS-232 port
- ▶ Built-in 8x8 matrix enables seamless mixing and routing for Analog and Digital signals.



Model	Dante 448
Input	8 balanced/unbalanced input (XLR)
Input Impedance	Greater than 2000 Ω
Max. Input Level	+4dbu@ 0dB gain
Output	8 balanced/unbalanced output (XLR)
Output Impedance	400 Ω
Max. Output Level	+4dbu balance
Freq. Response	20~20KHz, ± 1 dB
S/N Ratio	Greater than 95dB
THD	Less than 0.05%
Power Requirements	12V DC
Dimensions	44(H) x 178(W) x 220(D) mm

Dante Wall Panel

Dante Bluetooth Wall Panel

Features

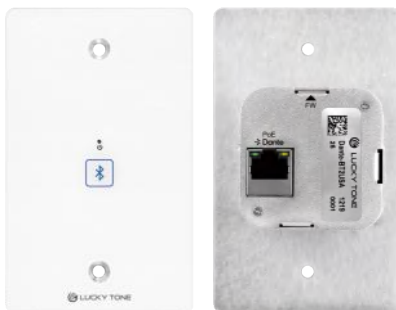
- ▶ Bluetooth audio converted directly to Dante network output.
- ▶ Single-cable PoE power, no local power supply required.
- ▶ Quick and easy one-touch bluetooth pairing.
- ▶ Remote configuration and control via Dante Controller.
- ▶ Available in US and EU wall-mount standards.



Dante-BT2USA



Dante-BT2EU



Model	Dante-BT2USA	Dante-BT2EU
Panel Standard	USA Standard	EU Standard
Input	Bluetooth	Bluetooth
Output	Dante	Dante
Frequency Response	20Hz-20kHz $\pm$ 3dB	20Hz-20kHz $\pm$ 3dB
THD+N	<0.05% @1kHz	<0.05% @1kHz
SNR	>105dB	>105dB
Sample Rate	44.1/48kHz	44.1/48kHz
Bit Depth	24bit	24bit
Protocol	A2DP/HFP/AES67	A2DP/HFP/AES67
Power Supply	PoE	PoE
Dimension (W*H*D)	69.85x114.3x34.5mm	86x86x34.5mm
Net Weight	120g	115g

Dante Wall Panel

Dante Bluetooth Wall Panel

Function

- ▶ **BT 5.0 Bluetooth**
Bluetooth audio to DANTE/AES67 network digital signal conversion, stable transmission
- ▶ **POE Power Supply**
Power and audio transmission via network cable
- ▶ **Signal Matching**
Supports Bluetooth wireless audio connection and analog audio connection
- ▶ **Real Time Display**
Simple pairing and real-time status display



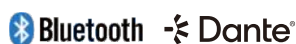
Features

- ▶ Supports Bluetooth or 2-channel stereo conversion to Dante network digital signal, with priority given to Bluetooth signals.
- ▶ Powered by PoE, installed in a standard 86-type wall box.
- ▶ Connects to devices such as smartphones and laptops through Bluetooth, receiving audio and transmitting it as Dante network digital signal.
- ▶ Mainly used in scenarios such as teleconferences and audio media transmission.
- ▶ Simple to use, controlled through a touch button for Bluetooth pairing with connected devices, and displays the connection status.

Model Dante BW22D

Bluetooth Interface	2
DANTE/AES67 Channel	2
Stereo Input	RCAx2
Maximum Input Level	12dBu
Sampling Rate	44.1/48KHz
Data Bit	24bit
THD+N	T0.005%@1kHz+4dBu
Dante/AES67 Device Delay	<2ms
Power Supply	Class1 802.3 af PoE
Power Consumption	2W
Input SNR	>100dB
Dimensions	86x86x40mm

Dante Bluetooth Wall Panel



Features:

- ▶ CAT5/6 connector to link with Dante network and controlled by Web-UI, Dante Controller or Dante Director software;
- ▶ Small size integrated mounting bracket which can be installed in very limited space;
- ▶ Simple to pair Bluetooth by pressing a button;
- ▶ Supports API for control center for system control usage
- ▶ Compatible with a variety of mobile phones, tablets, computers and other devices;
- ▶ Integrated power supply and audio transmission in one body;
- ▶ Convert Bluetooth audio signal to 2 Dante network audio channel;
- ▶ Convert aux or 3.5mm jack stereo to 2 Dante network audio channel



Model Dante BW 0403

Dante Audio Channel	2
Input Interface	Bluetooth 5.3, RCA*2, 3.5mm TRS*1
Output Interface	Bluetooth 5.3, RCA*2, 3.5mm TRS*1
SNR	> 90dB@Max Level(A-weighted)
Output Noise	< -79dBu @ 0dB gain (A-weighted)
Power Consumption	4.22W (Max)
THD	< 0.05% at 0dBu, 1kHz, 0dB gain(A-weighted)
Sample Rate	44.1kHz or 48kHz
Power Supply	POE
Product Dimensions	104.5x89.0x43.7mm
Net Weight	265g

Dante Wall Panel

Description:

Dante Panel series wall-mounted interface machines boast analog input and Dante digital input, analog line output and Dante digital output. The analog inputs support phantom power and manual preamp-gain adjustment. It is suitable for conference room and other professional applications. It available in black and white color.



Model Dante Panel 2

Sampling	48k@24bit
Phantom power	DC 48V
Frequency response	20Hz~20KHz, ±0.7
THD+N	≤0.005%@1k, ±0.7
Digital-to-analog/analog-to digital dynamic range(A-weighted)	105dB
Input/output impedance(balance-type)	20k Ω /100 Ω
EIN(A-weighted)	≤-126dBu
Channel isolation	100dB@1kHz
Common mode rejection (CMR)	80dB@80Hz
Max. input/output level	8dBu/12dBu
Background noise	-93dBu
System delay	≤3ms
Operating power supply	PoE
Operating temperature	0-40°C

PoE Switch

High Power POE Network Switch

Features:

- ▶ With 10/100/1000M adaptive RJ45 ports support IEEE 802.3af/at standard PoE power supply.
- ▶ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ▶ Gigabit RJ45 ports and SFP fiber ports combination, high-speed high-bandwidth connection, to meet the networking needs of various scenarios.

4 POE Ports



POE4P90

24 POE Ports



POE24P30

8 POE Ports



POE8P30



POE8P90

16 POE Ports



POE16P30



POE16P90

Model	POE4P90	POE8P30	POE8P90	POE16P30	POE16P90	POE24P30
Transmission Rate	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps
Max. Power Per Port	90W; IEEE802.3af/at	30W; IEEE802.3af/at	90W; IEEE802.3af/at/bt	30W; IEEE802.3af/at/bt	90W; IEEE802.3af/at/bt	30W; IEEE802.3af/at/bt
Total Power	250W	250W	600W	400W	1200W	600W
Fixed Port	1*1000M uplink SFP port (Data) 1*10/100/1000M RJ45 port (Data) 4*10/100/1000M bt PoE ports (Data /Power)	1*1000M uplink SFP port (Data) 1*10/100/1000M uplink RJ45 port (Data) 8*10/100/1000M PoE ports (Data /Power)	1*1000M uplink SFP port (Data) 1*10/100/1000M uplink RJ45 port (Data) 8*10/100/1000M PoE ports (Data /Power)	2*1000Base-X uplink SFP fiber ports (Data) 16*10/100/1000Base-T PoE ports (Data /Power)	2*1000M uplink SFP ports (Data) 16*10/100/1000M bt PoE ports (Data /Power)	24*10/100/1000 Base-T PoE ports (Data /Power) 2*1000Base-X uplink SFP ports (Data)
Ethernet Port	10/100/1000 Base-T, auto-sensing, full/half duplex MDI/ MDI-X self-adaption	Port 1-9 can support 10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X	Port 1-8 support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	Port 1-16 support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	Port 1-16 support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	Port 1-24 support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/ MDI-X self-adaption
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x					
Switching Capacity	12Gbps (Non-blocking)	20Gbps	20Gbps (Non-blocking)	52Gbps (Non-blocking)	52Gbps (Non-blocking)	52Gbps
Power Supply	External power adapter AC100~240V 50-60Hz	External power adapter AC100~240V 50-60Hz	AC100~240V 50-60Hz	AC100~240V 50-60Hz	AC100~240V 50-60Hz	AC100~240V 50-60Hz
Dimension (L*W*H)	118*95*28mm	191*105*29mm	440*225*44mm	440*225*44mm	440*378*44.5mm	440*290*44.5mm
Net Weight	0.35kg	0.55kg	3.3kg	3kg	5.2kg	3.2kg

Wired Microphone

MI-102

- Fashionable outlook
- Built-in 2 chime tone
- Red LED indicator



MI-103

- Fashionable outlook
- Tunable mic gooseneck
- Ultra directivity



MI-103D

- 2 capsule microphone
- Tunable mic gooseneck
- Red LED indicator



MI-104A

- Adjustable Mic gooseneck
- ON/OFF switch
- XLR connector



Model	MI-102	MI-103	MI-103D	MI-104A
Capsule Type	Condenser	Condenser	Condenser	Condenser
Frequency Response	40Hz-16KHz	40Hz-18KHz	40Hz-18KHz	100Hz-15KHz
Polar Pattern	Cardiod	Supper Cardiod	Supper Cardiod	Cardiod
Output Impedance	200 ohms	75 ohms	75 ohms	150 ohm (unbalanced)
Sensitivity	-43dB	-45dB	-45dB	-35dB
Power Requirements	12VDC	48 V phantom power	48 V phantom power	3V DC
Product Weight	1Kg	0.6Kg	0.65Kg	0.72Kg

MI-105

- Dynamic microphone
- No power is required
- With ON/OFF switch



MI-D3

- Smart on/off switch
- Condenser microphone



MD-100

- Flexible microphone stand
- Table type
- 26cm Long



HM-100

- Unique Voice coil with echo suppression technology
- Suitable for live performance



Model	MI-105	MI-D3	MD-100	HM-100
Capsule Type	Dynamic	Condenser	NA	Dynamic
Frequency Response	50Hz-12KHz	30Hz-20KHz	NA	50Hz-16KHz
Polar Pattern	Cardiod	unidirectional	NA	Cardiod
Output Impedance	600 ohms	75 Ω	NA	600 ohms
Sensitivity	-46dB	-45dB	NA	-46dB
Power Requirements	NO need	DC3V or 48V phantom power	NA	NA
Product Weight	1.2Kg	0.87KG	1.5Kg	0.6Kg

Wired Microphone

MI-105VP

- Fashionable outlook
- Red LED indicator



MI-106+

- Long standing microphone
- Max 1700mm
- With super direct dual capsule
- 10Meters of XLR Male to Female cable is optional



MI-D6

- To combine a high-performance miniature condenser microphone with a functional desktop base
- Ultra directivity
- 48V phantom power
- Aluminum base microphone with short boom



MI-D6L

- To combine a high-performance miniature condenser gooseneck microphone with a functional desktop base
- Tunable mic gooseneck
- Ultra directivity
- 48V phantom power
- Aluminum base microphone with long boom



Model	MI-105VP	MI-106+
Capsule Type	Condenser	Condenser
Frequency Response	40Hz-16KHz	40Hz-16KHz
Polar Pattern	Cardioid	Super Direct
Output Impedance	75 ohms	200 ohms
Sensitivity	-40±2dB	-35dB
Power Requirements	DC3V / 48V phantom power	11-52 V phantom power
Product Weight	1 Kg	3.5Kg

Model	MI-D6/MI-D6L
Type	Capacitive
Freq. Response	40Hz-18kHz
Directivity	Super-cardioid
Output Impedance	75 Ω
Sensitivity	-45dB
Max. input SPL	135dB
Dynamic range	109 dB, 1KHz
SNR	70 dB
Power Requirements	48 V phantom power

MD-200

- Durable Construction
- Adjustable Height
- Attractive Design
- Easy to Assemble



Model	MD-200
Material	Cast Iron Base with Metal Stand
Adjustable Height	80-160CM
Base Diameter	250mm
Base Thickness	12mm
Design	Disk Shape Base, Sturdy and Stable
Compatibility	Suitable for Capacitor Microphones and Other Types of Microphones
Usage	Floor Standing, Ideal for Live Performances, Studios, Conferences, and More
Gross Weight	3.5 kg
Color	Black

MI-112

- Professional appearance with LED ring indicator
- Built-in prelude chime tone
- Anti-interference (mobile phone, electromagnetic, high-frequency)
- Comes with power adapter
- Ideal for meetings, lectures, broadcasting and recording occasions



Model	MI-112
Capsule Type	Condenser
Polar Pattern	Cardioid
Frequency Response	50Hz-16kHz
Sensitivity	-42dB±2dB
Output Impedance	200 Ohm
Microphone Tube Length	420mm
Microphone Cable Configuration	8-meter dual-core
Net Weight	0.6 kg
Power Supply	48V/DC9V/AC12V(option)
Base Dimensions (W × D × H)	126 × 150 × 39mm
Output and Indication	Balanced, base light with light ring display

Wired Microphone

Plug-and-Use USB Microphone Array



Features:

- ▶ The fastest and easiest way to get high quality recording and live streaming.
- ▶ With custom-made heart-shaped point-to-capacitor tip, offering a clear sound quality that goes well beyond your built-in computer microphone.
- ▶ Make sure the sound is clear and clean no matter where you use it (at home or in the office).
- ▶ Simple USB connections and plug-and-play allow you to record and transmit amazing sounds without additional devices.

Model

ME1

Power demand	5V-50mA (USB)
Data transmission	USB1.0 USB2.0 Full-Speed Device
Sampling rate	
ADC	24-bit 192K sampling
DAC	24-bit 48K sampling
Bit rate	16/24bit
Frequency response	20Hz-20KHz
System compatibility	Windows7 and above, OSX10.9 and above.
Sensitivity	-40dB
Maximum sound pressure level (SPL)	120dB
THD	0.5% 1KHz
Output impedance	33Ω
Output power (RMS)	100mW
Chip signal-to-noise ratio	≥73db

Boundary Microphone



Features:

- ▶ Steady extended frequency response provides high-performance sound response
- ▶ Uni directional with high sensitivity
- ▶ Support 48V phantom power supply

Model MI-B02 is with on/off switch and red indicator

Model

MI-B01

MI-B02

Capsule Type	Condenser	Condenser
Frequency Response	30Hz-20KHz	30Hz-20KHz
Polar Pattern	Super Cardioid	Super Cardioid
Output Impedance	75 ohm	75 ohm
Sensitivity(±2dB)	-36dB	-36dB
Power Supply	Phantom Power 48V	Phantom Power 48V
Net weight	506g	172g
Sound Pick-up Distance	5m	5m
Dimension(W*D*H)	75*102*28mm	75*102*28mm
Output/Indicator	Balance Base Indicator	Balance Base Indicator
Output Connector	XLR male	XLR male
Additional Functions	No	With on/off switch and indicator

Phantom Power Supply



Features:

- ▶ Optimized PCB design ensures low-noise transmission.
- ▶ With a soft starter, minimizing the impact on other circuits when power on and off.
- ▶ No need to change battery when using with microphone supporting 48V phantom power.
- ▶ Features a single channel unit with balanced mic inputs and outputs to connect in-line with mic and mixer.
- ▶ On/off power switch and LED indicator for ease of operation.
- ▶ One Adapter is included. Simple to use and ideal for stage and studio use.

Model

MI-BPS

Power Supply	48V phantom power supply
Input	Standard balance input
Output	Standard balance output
Input Power	300mA
Dimension	160*105*44mm
Output Voltage	DC 48V
Rated Power	≤5W
Output Noise	≤1.8μV

Wired Microphone

Push-to-Talk Microphone



Features:

- ▶ Steady extended frequency response provides high-performance sound response.
- ▶ Press-type transfer switches provide significant reliability even in extremely harsh environments.
- ▶ Tough ABS shell
- ▶ Long-life rubber sleeve, coiled cable
- ▶ A suitable button hook device is provided on the back of the microphone.

Model	PTT MIC2
Type	Dynamic
Sensitivity	$-72 \pm 3\text{dB}$ (1K Hz)
Impedance	500 Ω
Frequency response	100~6000Hz
Cable extended length	2000mm
Enclosure material	ABS plastic, rough, black
Trademark	Aluminum plate
Net weight	20g

Dynamic Microphone



Features:

- ▶ Frequency response optimized for announcing, narration, and paging applications
- ▶ Cardioid pickup pattern symmetrical about axis
- ▶ Neodymium magnet for high signal-to-noise ratio
- ▶ Shock-mounted cartridge for quiet operation and low stand/handling noise
- ▶ Tough diecast locking grille and handle
- ▶ Built-in push-to-talk button controls microphone circuit and relay or control circuit

Model	MI-120D
Type of Adapter	Dynamic
Directivity	Ultra-cardioid
Frequency response	100Hz~14KHz
Sensitivity	00-54dB $\pm 3\text{dB}$ [0dB=1V/Pa 1KHz]
Output impedance	600 $\Omega \pm 30\%$ at 1KHz~14KHz
Cable	Entwining structure

Gooseneck Dynamic Microphone



Features:

- ▶ Switch mode: press to open, release to close. Especially suitable for units that frequently use switches.
- ▶ Gooseneck dynamic microphone.
- ▶ Easy to install and use, stable and durable, suitable for installation in desktops and walls for homes, offices, cars, and trains.

Model	MI-121D
Transmission method	Wired microphone
Transduction mode	Dynamic
Directionality	Unidirectional
Frequency response	90Hz~130KHz
Sensitivity	$-71 \pm 3\text{dB}$
Output impedance	20K Ω
Tube length	508mm

Wired Microphone

Overhead Microphone



Overhead retractable bar is optional to order in silver and black color:

Silver 20-40CM: SLS-40
Silver 30-60CM: SLS-60
Silver 60-120CM: SLS-120
Black 20-40CM: BLB-40
Black 30-60CM: BLB-60
Black 60-120CM: BLB-120



Model	HG MIC1
Type	Condenser microphone
Directivity	Unidirectional
Frequency Response	80Hz-18KHz
Sensitivity	-38dB
Supply voltage	48V phantom
Output Impedance	130 Ω
SNR	≥65dB
Diameter	20*220mm
Output Port	XLR Male
Output	Balance
Weight	70g

Overhead Dual Capsule Microphone



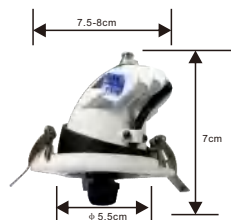
Model	HG MIC2
Components	fixed charging backplane, permanent polarity condenser microphone
Directivity	Hyper cardioid
Frequency response	20-20000Hz
High-pass filtering	80Hz, 12dB/octave
Open circuit sensitivity	-29dB (35.5 mV) re 1v at 1 pa
Impedance	200 Ω
Max. input SPL	141dB SPL, 1kHz at 1% T.H.D.
Dynamic range	128dB, 1kHz at Max SPL
SNR	81dB-A, 1kHz at 1 Pa
Voltage	48 V
Current	2 mA

Overhead Ceiling Installed Microphone



Features:

- ▶ Overhead Ceiling Installation
- ▶ High Sensitivity
- ▶ Strong Directionality
- ▶ Fan-Shaped Directionality



Model	HG MIC3
Directionality	Supercardioid
Frequency Response	40Hz~18KHz
Sensitivity	-40dB(79mV) (1V, 1Pa)
Impedance	200ohm
Maximum Input SPL	125dB, 1kHz (1% T.H.D)
Dynamic Range	100 dB, 1kHz (Max. SPL)
SNR	70dB 1kHz (1Pa)
Phantom Power	11~52V
Net Weight	210g
Dimensions	Refer to the diagram
Mounting Hole Size	φ 75-80mm
Output Interface	Naked wire (SPL-2 quick connector provided as standard)

Directional Condenser Microphone



Model	HG MIC4
Microphone Type	Back-electret condenser
Power Supply	1x AA battery or phantom power
Minimum Operating Voltage	1.15V
Battery Life	Up to 2000 hours (alkaline)
Current Consumption	Less than 0.5mA
Output Connector	XLR3-12C
Material	Anodized aluminum
Dimensions	Diameter 23.3mm, Length 283mm
Net Weight	40g (without accessories)
Frequency Response	100Hz - 15kHz
Directional Pattern	Cardioid (close range) / Super cardioid (long range)
Output Impedance	200 Ω ±10%
Sensitivity	14mV/Pa at 1kHz
Signal-to-Noise Ratio	Greater than 72dB
Self-Noise	Less than 22dB
Maximum Sound Pressure Level	125dB
Operating Temperature	0° C to 60° C

Wireless Microphone

Dual-Channel UHF Wireless Microphone

Description

This WM Dual Channel Handheld Wireless System features efficient RF performance, diversified frequency range, and high S/N ratio. Thus, it is suitable for wireless professional sound reinforcement, such as, KTV, education, and live performance.



WM-88U Standard UHF with 2 wireless microphones



Model	WM-88U
Channel	2Ch(100 channel optional)
Carrier Frequency	UHF600-900MHz
Frequency Steadying	$\pm 0.005\%$
Modulation Mode	UHF
Maximum Deviation	$\pm 20\text{KHz}$
Audio Frequency Response	40Hz-20KHz
S/N Ratio	>80dB
Audio Dynamic Range	>80dB
T.H.D.	<0.2%
Cover Range	80M
Size	21x18x4.4cm
Operating Temperature	-10°C-50°C



Optional Belt Receiver 88BP

Single-Channel UHF Wireless Microphone

Description

This WM single Channel Handheld Wireless System features efficient RF performance, diversified frequency range, and high S/N ratio. Thus, it is suitable for wireless professional sound reinforcement, such as, KTV, education, and live performance.



Model	WM-88U1
Channel	1 Ch(100 channel optional)
Carrier Frequency	UHF600-900MHz
Frequency Steadying	$\pm 0.005\%$
Modulation Mode	UHF
Maximum Deviation	$\pm 20\text{KHz}$
Audio Frequency Response	40Hz-20KHz
S/N Ratio	>80dB
Audio Dynamic Range	>80dB
T.H.D.	<0.2%
Cover Range	80M
Size	21x18x4.4cm
Operating Temperature	-10°C-50°C

Dual-Channel UHF Wireless Microphone

Features

- ▶ Multi narrow-band filtering + quartz oscillation circuit for excellent stability.
- ▶ Audio companding technology reduces noise and increases dynamic range.
- ▶ Built-in feedback suppression and squelch system with auto channel selection.
- ▶ Handheld microphone with magnesium-aluminum alloy housing, durable and fade-resistant.
- ▶ Independent balanced and mixed outputs, compatible with mixers and amplifiers.
- ▶ Antenna port supports active antenna system for extended range and stable performance.
- ▶ Powered by DC 12V-1000mA switching adapter, stable under 180-240V AC fluctuations.
- ▶ Maximum operating range up to 100 meters (open space).
- ▶ Ideal for stages, conferences, churches, KTV, hotels, and home entertainment.

Model	MPRO-23HV2/MPRO-23BV2 MPRO-23DV2/MPRO-24DV2
System	
Frequency Range	UHF 510-698 MHz
Modulation Mode	FM
Tuning Range	50 MHz
Number of Channels	200
Channel Spacing	250 kHz
Frequency Stability	$\pm 0.005\%$
Frequency Accuracy	± 5 kHz
Maximum Deviation	± 15 kHz
Dynamic Range	100 dB
Frequency Response	80 Hz-15 kHz
S/N Ratio	>105 dB
THD	$\leq 0.5\%$
Operating Range	>50 m
Operating Temperature	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$
Receiver	
Reception Mode	PLL frequency synthesis
Power Supply	DC 12V
Current Consumption	200 mA
Audio Output Level	± 10 dBV
Received Sensitivity	25 dB
Transmitter	
RF Output Power	≤ 30 mW
Spurious Suppression	≥ 40 dB
Battery Life	>3 hours
Power Supply	2 × AA Batteries
Current Consumption	130 mA (120 mA for MPRO-23HV2)
Antenna	Hidden type (External type for MPRO-23BV2)
Microphone Capsule	Condenser (Dynamic for MPRO-23HV2)



MPRO-23HV2



MPRO-23BV2



MPRO-23DV2



MPRO-24DV2

Window Intercom System

Window Intercom System



Description:

TBK-10 intercom system is primarily used in the counters and Bank/Window, or any places where conversations need to be Assisted.

MODLE

TBK-10

Power supply	DC 220/110V
Working voltage	DC 14V
Microphone sensitivity	-42 ± 2dB
Host power	5W + 1W
Maximum working current	600mA
Frequency response	80Hz-14KHz

Features:

- ▶ Fashion appearance and clear sound effect
- ▶ Volume control and MIC control
- ▶ Supervisor talk-in conversation can not be heard by window sub stations
- ▶ Built-in recording signal output, can provide master station and sub station audio output for recording
- ▶ Simple connection and easy to install

Description:

TBK-20 intercom system is primarily used in the counters and Bank/Window, or any places where conversations need to be Assisted.



MODLE

TBK-20

Working voltage	DC9V
Max working current	600mA
Main and assistant sound boxes	2W-2W 100Hz-15KHz
Outside microphone	-48db
Inside microphone	-48db
Other function	Dual-way audio record
Exterior size	158*87*46mm(Master Station) 78*20mm(Sub Station)

Features:

- ▶ Streamline design, main unit is made of luxurious aluminum alloy and internal microphone for the extension. One-cable connection and simple installation
- ▶ High quality speaker for main unit and extension, high sensitive microphone, longer metal tube microphone for dual-way intercommunication
- ▶ Adjustable volume with separate switch.
- ▶ Auto dual-way intercommunication without pressing any button
- ▶ Double-track adjustment with indicating light
- ▶ Spare record jack for the bank

Voice Connect System

Description:

Consisting of 2 microphone units, TBK-30Voice Connect system is a new, hygienic, safe and flexible solution especially for acrylic glass walls and cabins in pharmacies, medical practices, stores and supermarkets as well as for visitor booths in nursing homes.



MODLE

TBK-30

Power supply	DC 12V.3W
Microphone	with AEC+NR
Operation Temp.	0~40°C
Operation Humidity	5%~90% RH
Storage Temp.	-20~60°C
Protection class	IP33
Frame Material	ABS
Dimensions	108x90x24mm

Features:

- ▶ Easy for installation. Attach, plug in and speak
- ▶ Enables consultation and communication under protective measures
- ▶ Reduced risk of infection through droplet infection. Neither physical approach nor louder speaking is necessary.
- ▶ Employees and customers communicate effortlessly clearly and securely—even with mouth protection and in the case of strong background noise thanks to integrated AEC and NR technology.

LC-300 Conference System Discussion Version

► Description

The innovative design makes this LC 300 series more than just another conference system. With ECM capsule, intelligent automatic mixing technology, integrated acoustic and mechanical system, the conference system is designed with the latest digital technology in accordance with IEC914 and ISO standards. It's a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.



LC-300C
CHAIRMAN UNIT



LC-300D
DELEGATE UNIT



LC-300M System Main Unit

Features:

- Main unit control up to 250pcs and power up to 60pcs microphones
- Equipment with best noise cancellation technology
- PC program control and manual control
- Chairman with Priority to mute delegates
- 3 groups of audio output
- Active microphone mode from 1 to 9
- Digital acoustic feedback suppression
- Choice of 4 conference modes set with PC
1, Open or auto; 2, FIFO or overridden;
3, Chairman only; 4, Limite
- 8 Pin cable provides secure and reliable communication
- Versatile for small to medium conference application

LC-800 Conference System Discussion Version

► Description

The innovative design makes this LC 800 series more than just another conference system. With ECM capsule, intelligent automatic mixing technology, integrated acoustic and mechanical system, the conference system is designed with the latest digital technology in accordance with IEC914 and ISO standards. It's a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.



LC-800C
CHAIRMAN UNIT



LC-800D
DELEGATE UNIT



LC-800M Main Unit

Features:

- Main unit power up to 50pcs microphones
- Equipment with best noise cancellation technology
- Main unit equipped with earphone monitoring output
- Chairman with Priority to mute delegates
- Build in loudspeaker in both chairman and delegates units
- Headphone jack with volume control in both chairman and Delegate unit to listen to the conference
- Active microphone mode from 1 to 4
- Digital acoustic feedback suppression
- 8 Pin cable provides secure and reliable communication
- Versatile for small to medium conference application

Conference System

UC-200 Wireless Conference System



UC-200D Delegate Unit



UC-200C Chairman Unit



UC-200M Main Control Unit



UC-200CG Charger

Description:

With UHF FM modulation technology, This UC-200 wireless conference system is designed with high fidelity capsule to have the best clarity to reflect the original sound yet cancelling all the feedbacks. It is a fully digital system with big LCD screen to show the status, very low energy consuming, continuously working for 8 hours and standby for 20 hours. It is a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.

Features:

- ▶ Main unit control up to 256pcs and working at 500 to 950 Mhz frequency
- ▶ Equipment with best noise cancellation technology
- ▶ With output to record the meeting
- ▶ Chairman with Priority to mute delegates
- ▶ Digital acoustic feedback suppression
- ▶ With delegate speaking 1-2-3-4 mode selection
- ▶ Up to 5 microphones working at the same time, 1 chairman and 4 delegates

Wireless Conference Video Processor

Features

- ▶ Built-in HDMI high-definition switching matrix (4 inputs, 1 output), compatible with high-definition PTZ cameras
- ▶ Supports tracking control of up to 512 camera positions per unit
- ▶ Compatible with two high-speed PTZ protocols (Pelco-D at 9600 baud rate, VISCA at 9600 baud rate)
- ▶ USB computer control interface allows the central processor to communicate with external devices such as computers or video switching matrices via USB port, featuring linkage control functionality. High-speed PTZ tracking positions the microphone to the last speaker activated. When the last activated microphone is deactivated, the high-speed PTZ tracking returns to the previous tracking camera position. When all speakers are inactive, the camera automatically returns to the standby position
- ▶ DC12V power adapter.



UC-880 Wireless Conference System with Video Tracing Function

Description

The UC-880 system is a wireless digital conferencing system designed to provide seamless communication and control during meetings. It supports up to 200 units (1 chairman and 199 delegate units) and multiple systems can operate simultaneously by using different frequency channels. This system is ideal for environments where efficient communication and ease of control are crucial, such as corporate boardrooms, government meetings, and large conferences.



UC-880C Chairman Unit

UC-880D Delegate Unit



UC-890C Chairman Unit

UC-890D Delegate Unit

Features

- ▶ This system does not require any additional equipment, and video tracking can be set directly through the host menu.
- ▶ The system host and unit LCD display are more intuitive and user-friendly.
- ▶ Support CAM-200 camera protocols, and the system can connect multiple cameras.
- ▶ Each system can control up to 1 chairman and 199 units for simultaneous use. In the same environment, multiple wireless conference systems can be used simultaneously using different frequency channels. Each system can use up to 1 chairman and 3 representatives.
- ▶ The host supports manual addressing.
- ▶ System speaking mode: first-in-first-out, last-in-first-out, restricted mode, chairman mode.
- ▶ The chairman has priority function control, which can be used to control the right to speak and control the atmosphere of the meeting.
- ▶ The unit has a built-in large-capacity lithium polymer battery, which can be used continuously for up to 8 hours and can be used for 15 hours in standby.



System Specifications

Model	UC-880M
Carrier Frequency Band	UHF600-690MHz
Modulation	FM
Effective Working Distance	60 meter
Oscillation Mode	PLL phase locked frequency synthesis
Sensitivity	When the deviation is equal to 25KHz and the input is 6dBv, S/N>60dB
Bandwidth	30MHz
Maximum Deviation	±45KHz
SNR	>105dB
T.H.D	<0.7% @1KHz
Frequency Response	45HZ-18KHZ (±1dB)
Powered by	AC110V-220V
Net Weight	3.6Kg
Product Size	485X265X95MM
Model	UC-880C/UC-880D/UC-890C/UC-890D
Output Socket	XLR parallel and 6.3 non-parallel sockets
Carrier Frequency Band	UHF600-690MHz
Oscillation Mode	PLL phase locked frequency synthesis
Harmonic Radiation	<-65dBm
Bandwidth	30MHz
Maximum Deviation	±45KHz
Sound Head	Condenser, unidirectional
RF Power Output	15MW
Battery	3.7V lithium battery/1.5V battery
Current Consumption	<150mA
Continuous Working Time	About 10 hours

Conference System

Conference System with Discussion and Record Function



Features:

- ▶ Built-in power supply, with an output power of 400W.
- ▶ Main unit control up to 250pcs and power up to 64pcs microphones. Equipped with an audio output interface.
- ▶ Featuring a BAL interface for easy connection to various effects processors.
- ▶ Built-in tone processing unit for adjusting bass and treble.
- ▶ Independent volume control for the system.
- ▶ Includes one AUX input with independent volume control.
- ▶ Has a set of wired microphone input interfaces with independent volume adjustment.
- ▶ Comes with a USB recording and playback module, enabling USB recording and playback functions.
- ▶ Built-in 1W monitoring speaker with independent volume control.
- ▶ High-fidelity sound quality and automatic feedback suppression function.
- ▶ Optional automatic shutdown function for delegate units.
- ▶ The panel has three function setting buttons: "MODE," "SET," "ENTER."
- ▶ Supports various conference modes such as free discussion, first in, first out, and restricted speaking.
- ▶ Can provide power and data communication ports for a video central processor.
- ▶ Can be placed flat on a tabletop or mounted in a 19-inch standard rack cabinet.



LC-300C
CHAIRMAN UNIT

LC-300D
DELEGATE UNIT



LR-660C
CHAIRMAN UNIT

LR-660D
DELEGATE UNIT



LR-670C
CHAIRMAN UNIT

LR-670D
DELEGATE UNIT

Model	LR-660M (Main unit)	LR-660D/LR-660C (Microphone unit)	LR-670D/LR-670C (Microphone unit)
Audio Output	LINE OUT (unbalance), REC OUT (unbalance) BAL OUT	/	/
Audio Input	MIC IN (unbalance), AUX IN (unbalance)	/	/
Output Impedance	<1KΩ	/	/
Effects Processor Interface	EFX IN/OUT (Connect the frequency shifter)	/	/
Voltage	AC220V	DC24V (Supply by 8PIN cable)	DC24V (Supply by 8PIN cable)
Power consumption	400W	2W	2W
T.H.D.	0.1%@1KHz	<0.05%	<0.05%
Product Dimension	480X330X90mm	205X117X55mm / MIC pipe 420mm	143X110X50mm / MIC pipe 240mm
SNR	>96db	>75db	>75db
Control port	RJ45 interface	/	/
Sensitivity	-56dB	-44dB ±2dB	-44dB ±2dB
Frequency response	50Hz-16KHz	40Hz-16KHz	40Hz-16KHz
Color	Grey	Grey	Grey

DC-800 Series Conference System

Features:

- ▶ Main unit control up to 2550pcs and power up to 100pcs microphones
- ▶ With built-in DSP to avoid feedback and distortion.
- ▶ With digital volume control function
- ▶ Chairman with Priority to mute delegates
- ▶ External aux input and record output
- ▶ Individual volume control for the microphone units
- ▶ Microphone with headwear mic input

Ordering Code:

DC-800M: Digital Conference Main Unit with discussion
DC-800D: Digital Conference Delegate Unit with discussion
DC-800C: Digital Conference Chairman Unit with discussion
DC-800MV: Digital Conference Main Unit with discussion and camera Tracing
DC-800DV: Digital Conference Delegate Unit with discussion and camera Tracing
DC-800CV: Digital Conference Chairman Unit with discussion and camera Tracing
DC-800MS: Digital Conference Main Unit with discussion, Voting, sign-in, and camera tracing function
DC-800MSF: Voting software for DC-800MS
DC-800DS: Digital Conference Delegate Unit with discussion, Voting, sign-in, and camera tracing function
DC-800CS: Digital Conference Chairman Unit with discussion, Voting, sign-in, and camera tracing function
DC-800CSC: Digital Conference System secretary microphone

Full functional chairman / delegate unit support voting and sign-in



DC-800CS Chairman Unit DC-800DS Delegate Unit

Basic functional chairman and delegate units



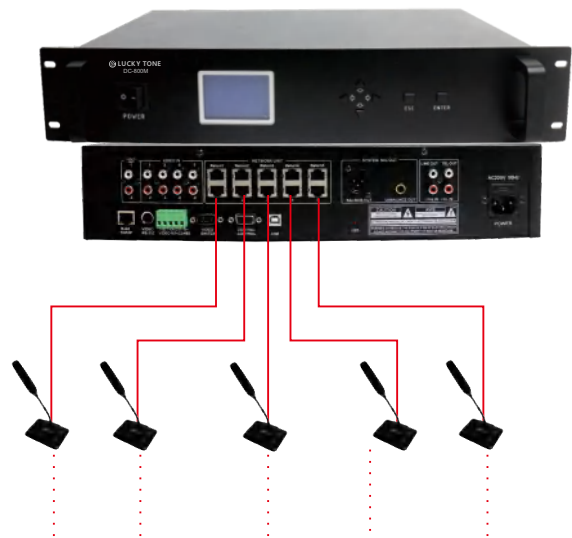
DC-800C/DC-800CV
Chairman Unit

DC-800D/DC-800DV
Delegate Unit

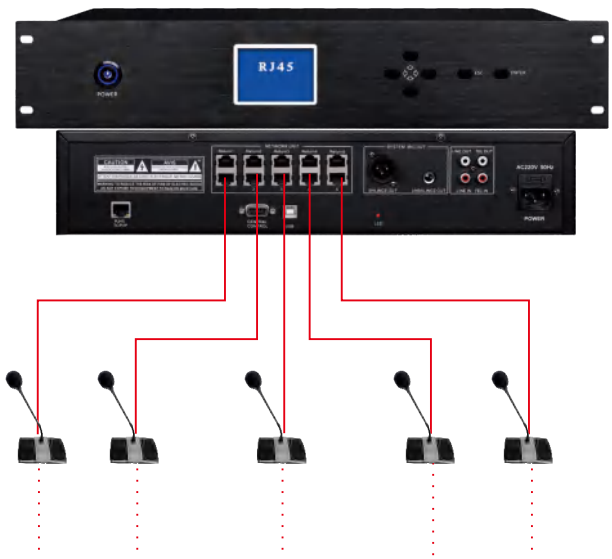
Description:

This DC-800 discussion fully digital conference system is designed with high fidelity capsule to have the best clarity to reflect the original sound yet cancelling all the feedbacks. It processes the audio signals with the right level of amplification and allocation to suit any medium to small events. Chairman unit has the priority to mute the delegates with pre-settings. It is a highly effective providing turnkey solution with natural, feedback-free audio performance whatever the environment.

DC-800MV/DC-800MS Main Control Unit



DC-800M Main Control Unit



Conference System

High-Definition PTZ Camera

Features

- ▶ Outstanding performance and various interfaces
- ▶ Adopt advanced ISP processing technology and algorithms ensuring vivid and lifelike image effects
- ▶ Uniform brightness, strong color hierarchy, high clarity, and good color reproduction
- ▶ Supports H.265/H.264 encoding, making the picture smoother and clearer even under low bandwidth conditions



Model

CAM-200

Camera, Lens	
Image Sensor	1/2.8 inch high-quality 5-megapixel CMOS sensor
Output Effective Pixels	2.07 million, 16:9
Video Signal	1080P60/50/30/25; 1080i60/50; 720P60/50/30/25
Lens Optical Zoom	20x optical zoom f=4.7~94mm
Viewing Angle	2.9° (narrow angle) to 55.4° (wide angle)
Aperture Coefficient	F1.6 ~ F3.5
Digital Zoom	X10
Minimum Illumination	0.5Lux(F1.8, AGC ON)
Digital Noise Reduction	2D&3D digital noise reduction
White Balance	Manual/Auto/One-touch/White Balance/3000K/4000K/5000K/6500K
Focus	Auto/Manual
Aperture	Auto/Manual
Electronic Shutter	Auto/Manual
Backlight Compensation	On/Off
Wide Dynamic Range	Off/Dynamic Level Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, Black and White Mode
SNR	>55dB
Input/Output Interfaces and Supported Protocols	
Video Interface	DVI (convertible to HDMI), 3G-SDI
Image Stream	Dual-stream output
Video Compression Formats	H.265, H.264
Control Signal Interface	RS-232, with loop-through RS232 output
Control Protocols	VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps
Audio Input Interface	Dual-channel 3.5mm line input
Audio Compression Formats	AAC, MP3, PCM
Network Interface	100M Ethernet port (10/100BASE-TX), 5G WiFi (optional), supports network VISCA control protocol
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181
Power Interface	HEC3800 power socket (DC12V)
PTZ	
Horizontal Rotation	-170° ~+170°
Vertical Rotation	-30° ~+90°
Horizontal Control Speed	0.1~100° /sec
Vertical Control Speed	0.1~45° /sec
Preset Speed	Horizontal: 100° /sec, Vertical: 45° /sec
Number of Presets	Up to 255 presets can be set by the user (10 presets via remote control)
Others	
Power Adapter	Input AC110V-AC220V, Output DC12V/1.5A
Input Voltage	DC12V±10%
Input Current	1A (max)
Power Consumption	12W (max)
Dimensions (W x H x D)	258mm*172mm*169mm
Weight (approx.)	1.54kg
Operating Environment	Indoor
Remote Maintenance (Network Interface)	Remote upgrade, remote reboot, remote reset
Included Accessories	12V/1.5A power adapter, RS232 control cable, remote control, user manual, warranty card

Frequency Shifter

Description

S3.0 frequency shifter is a digital feedback suppression system device specifically designed for conferences, lectures, teaching, and stage use. This device is equipped with microphone balanced inputs, as well as system connection ports and dual-channel input and output interfaces.

Features

- ▶ Effectively suppresses feedback
- ▶ Boosts volume
- ▶ Ensures high-quality transmission of speech, with high fidelity and clear sound. It can greatly reduce feedback even in poor environmental conditions
- ▶ Effectively prevents audio equipment and speakers from burning out
- ▶ Switch for microphone and line input frequency shift effect selection
- ▶ Local speaker connection port (EFX) for independent effects on the conference system



Model	S3.0
Power Supply	AC~220V-230V,50/60Hz
Frequency Shift Range	5Hz±1Hz
Voice Gain Boost	5-14dB
Line Input Impedance	≥5KΩ
Line Output Impedance	≤600Ω
Frequency Response	Non-shifted state: 20Hz-20KHz Shifted state: 150Hz-15KHz
Microphone Connection Compatibility	Non-phantom powered microphone
Microphone Connection Method	1*XLR female socket
Weight	2.41KG
Dimensions(W x H x D)	1U Chassis 420*205*44mm
External Input Connections	1*XLR male microphone, RCA mono line input, effects mono
Output Connections	XLR balanced, RCA mono line output, effects mono
Functions	Automatic frequency shifting on startup, electronic switch toggling
Power	12W
Switch/Indicator	Toggle switch, panel power indicator light, frequency shift indicator

2 in 2 out Feedback Suppressor

Description

This device is a high performance dual channel automatic feedback suppressor, equipped with two simulated balance input and 2 road simulation output balance. High quality sound for a large professional sound reinforcement design. Provide professional feedback suppressor effect, high quality frequency shift + notch algorithm feedback inhibition effect of high quality and low noise. Simple operation, and device to provide a 5-speed preset rapid chosen to fit the current usage scenarios. Through the setting of PC PC connected to the USB interface can be fully gain, noise gate, pressure limit, frequency shift, notch and EQ, and save the Settings.

Features

- ▶ 48 kHz sampling frequency, 32 – bit DPS processor frequency zone (300 million), 24 to bitA/D and D/A conversion.
- ▶ A 5-speed automatic frequency shift mode selection, type are suitable for all kinds of scenarios and microphone.
- ▶ Using 2 inch IPS panel display shows parameter function, resolution of 320 * 240. Can be selected English menu display.
- ▶ 48 filter state LED light real-time display, each channel 12 static + 12 dynamic filter.
- ▶ Using a single bond shuttle and quick operation, fast implementation pattern, direct, locking and selection function in both Chinese and English.
- ▶ Adjustable frequency shift is plus or minus 10 Hz (1 Hz step), filter gain, Q value and quantity is adjustable.
- ▶ Independent each channel gain, noise gate, pressure limit device, frequency shift, filter, high and low pass, 7 segment PEQ feature set.
- ▶ Provide USB and RS – 485 communication interface, connection PC PC and control device.
- ▶ Through the PC computer to edit a 5-speed default mode, archiving and EQ file import and export support mode.



Model	FS-220
Input channel	2 x Female XLR and 1/4" TRS, Electronically balanced/unbalanced, RF filtered
Output channel	2 x Male XLR and 1/4" TRS, Electronically balanced/unbalanced, RF filtered
Input impedance	Balanced: 10K Ω
Output impedance	Balanced: 470 Ω
Maximum input level	$\leq +20\text{dBu}$
Maximum output level	$\leq +20\text{dBu}$
Frequency Response	20Hz–20KHz $\pm 1\text{ dB}$
Dynamic range	$\geq 110\text{dB}$
THD+N	$\geq 103\text{dB @ 1kHz 0dBu (A-weighted)}$
Distortion	$< 0.012\% \text{ OUTPUT}=0\text{dBu/1kHz}$
PC interface	USB Type-B
Communication interface	RS-485, Baud rate: 115200
DSP	48kHz Sample Rate, 24-bit A/D & D/A Conversion.
Power consumption	$< 20\text{W}$
Working temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Dimensions (L $\times$ H $\times$ D)	482x44.4x265mm
Unit Weight	3.2 kg
Transport size (L $\times$ H $\times$ D)	600x90x338mm
Gross weight	4.2 kg

Signal Distributor, 2 inputs, 10 outputs
Description

The Signal Distributor is designed to distribute a single input signal to multiple output ports and is widely used in audio and video systems. Its core function is to duplicate the incoming signal through internal circuitry and deliver multiple identical outputs—or outputs with appropriate adjustments—enabling flexible “one-in, multiple-out” distribution while maintaining signal integrity and stable performance.

Features

- **Single Input, Multiple Outputs:** Accepts one input signal and distributes it to multiple output ports via internal circuitry, delivering multiple identical outputs or appropriately adjusted outputs for flexible “one-in, multiple-out” signal distribution.
- **Signal Integrity Preservation:** Built with precision circuit design to minimize distortion and attenuation during signal duplication, helping maintain the accuracy of the original signal and its isolation characteristics.



Model	SA-210
Inputs	
Type	Unbalanced 1/4" TRS Jack
Impedance	44k Ω
Outputs	
Type	Unbalanced 1/4" TRS Jack
Impedance	300 Ω
Frequency Response	20Hz – 22kHz
Maximum Input Impedance	21 dB
S/N signal-to-noise ratio	>100dB
Power voltage	T500MA AC 220V/50HZ
THD+Noise	0.04% (Typically @+4dBu,1KHz,Gain)
Dimensions	19" x 1.73" x 6.1" (483 x 44 x 155mm)
Weight	4.2 lbs. (2.1kg)

Interpretation System

System Description

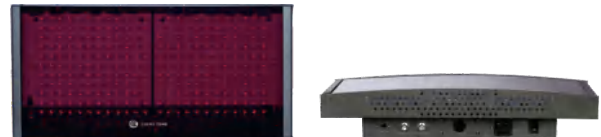
This IR interpretation system is designed for wireless distribution of audio signals for international conference where multi language is required. During the conference, the interpreters simultaneously translate the speaker's language as required, and the participants can select the language according to their choices, and listen via the earphones. the system provides language channels of 6 for real time interpretation. Thus it is suitable for medium to large size conference applications.

IR-6M Digital Main Unit



- ▶ Versatile Digital Wireless IR system
- ▶ It confirms to IEC61603 part 7 standards
- ▶ Automatic level control function (ALC).
- ▶ 2-8Mhz signal prevent any disturb under daylight lamp
- ▶ Easy to operate and save in project cost
- ▶ With the most advanced technology
- ▶ Elegant configuration in accordance to ergonomics
- ▶ High security levels prevent external interference

IR-6R Radiator



- ▶ Versatile Digital Wireless IR system
- ▶ It confirms to IEC61603 part 7 standards
- ▶ Automatic level control function (ALC).
- ▶ 2-8Mhz signal prevent any disturb under daylight lamp
- ▶ Easy to operate and save in project cost
- ▶ With the most advanced technology
- ▶ Elegant configuration in accordance to ergonomics
- ▶ High security levels prevent external interference

IR-6I Interpreter Unit



- ▶ It supports 6 channel interpretation
- ▶ Level control of voice to prevent feedback
- ▶ Cough cancellation function
- ▶ Equipped with SLOW key to hint the speaker if speak too fast
- ▶ RELAY key to listen to other channel for translated language, If the interpreter does not understand the original language
- ▶ The LCD can display both input and output channels

IR-6D Delegate Receiver Unit



- ▶ Small, elegant and pocket size
- ▶ Support up to 6 different languages
- ▶ Power on/off switch and volume control
- ▶ Powered by rechargeable batteries and charging box
- ▶ LED screen displays with battery and status

Accessories

- ▶ IR-6C Charging box for 24pcs delegate receiver unit



IR-24C
Charging Box

Digital 8-CH IR Interpretation System Main Unit

The digital infrared language distribution system is a system that wirelessly transmits audio signals through infrared radiation. It can be used in simultaneous interpretation systems for international conferences where multiple languages are required. In order to ensure that all participants can understand the discussion, interpreters provide simultaneous translations of the speaker's remarks. These simultaneous translations are broadcast to various corners of the conference venue, and delegates can select their respective languages and listen through headphones. The system can also be used for music transmission (mono and multi-channel).

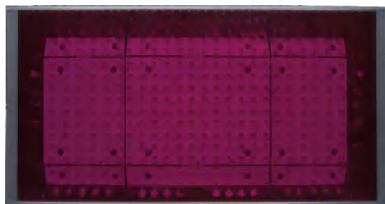
Features:

- Fully digital design improves audio quality and anti-interference capabilities.
- Supports 4, 8, 12, and 16 audio channels.
- Operates within the 2-8 MHz carrier frequency range.
- Vertical and horizontal expansion designs for wider signal coverage.
- Hand-in-hand radiation mode allows easy multi-room use.
- Cable transmission delay compensation ensures accurate signal overlay.
- Infrared signals are contained, ensuring meeting privacy.
- Elegant exterior design suits various environments.
- Management can monitor the system through the host.



Model	IR-8R
Modulation Frequency	Carrier 0 to 5: 2 MHz to 6 MHz, Carrier 6 and 7: Up to 8 MHz
Protocol and Modulation	DQPSK
Audio Frequency Response	20 Hz to 10 kHz (-3 dB)
Total Harmonic Distortion at 1 kHz	<0.05%
Crosstalk Attenuation at 1 kHz	> 80 dB
Dynamic Range	> 80 dB
Weighted Signal-to-Noise Ratio	> 80 dB(A)
Power Consumption	100 W
Unbalanced Audio Input	Rated: +3 dBV, Maximum: +6 dBV (± 6 dB)
HF (High-Frequency) Output	1 Vpp, 6 VDC, 50 Ohms
Interpreter Console Interface	12P-DIN
Audio Input	Unbalanced RCA x 16
Audio Output	Unbalanced RCA x 16
RF (Radio Frequency) Output	RF Output BNC Connector x 4
Power Supply	AC110V-220V~ 50Hz-60Hz
Dimensions	485 × 355 × 90mm
Net Weight	8kg

Radiator



Model	IR-8M
HF Input	Rated 1 Vpp, Min. 10 mVpp
Half-Power Angle	± 22°
Total Peak Optical Power	24 W/sr
Standby Power Consumption	25W
Power Consumption	30W
Radiation Distance	<30M/16CH
Power Supply	AC110V-220V~ 50Hz-60Hz
Dimensions	445 × 235 × 113mm
Net Weight	4.2kg

24 Slot Charger Unit



Model	IR-8C
Power Supply	AC110V-220V
Power	66W
Number of Charging Slots	24
Maximum Unit Charging Current	220mA
Charging Time	Approximately 2-2.5 hours
Status Indicators	Red light on - Charging in progress; Green light on - Charging completed
Dimensions	630 × 370 × 290mm
Net Weight	10.5kg (excluding the battery)

Interpreter Unit



Model	IR-8I
Frequency Response	50Hz-20KHz
Sensitivity	-42dB ± 2dB
Interface	12P-DIN
Microphone Length	410mm
Operating Temperature	0°C-40°C
Dimensions	300 × 150 × 70mm
Net Weight	1.7kg

Interpreter Booth



Model	IR-32BOOT
Product Specifications	1.7*1.6*2.0m
Front Window Size	1100*860mm(H)
Side Window Size	680*860mm(H)
Soundproof Window Material	Resin Glass (Glass Thickness 6mm)
Ventilation System	2 Sets of Soundproof Ventilation Systems
Workbench	1140*730*500*mm
Cable Channel	14x5cm(H)

Receiver Unit



Model	IR-8D
Receiver Sensitivity	-101dBm
Sensitivity Attenuation	± 50°
Half-Power Angle	
Headphone Output Level at 2.4 V	450 mVrms (Maximum Speaking Volume, 32 Ohm Headphones)
Headphone Output Frequency Range	20 Hz - 10 kHz
Headphone Output Impedance	32ohm
Maximum Signal-to-Noise Ratio	78 dB(A)
Power Supply Voltage	1.8 to 3.6 V, Rated 2.4 V
Power Consumption (at 2.4 V battery voltage)	60 mA (Maximum Speaking Volume, 32 Ohm Headphones)
Dimensions	157 × 49 × 25mm
Net Weight	233g

Booster Unit for Interpreter Unit



Model	IR-8BT
Power Consumption	1.5W
Length of Relay Cable	10m
Operating Temperature	0°C-40°C
Dimensions	120 × 40 × 50mm
Net Weight	211g

Tour Guide System

TG-2601 Tour Guide System

Description

As a core tool for smart tourism, the tour guide system combines integrated technologies with scenario-based design to deliver efficient, personalized services for both visitors and attractions.

Features

- ▶ 2.4G line-of-sight transmission with strong anti-interference performance; multi-channels for multi-group use without cross-talk.
- ▶ Capacity battery supports up to 20 hours of continuous use, meeting all-day guided tour demands.
- ▶ Lightweight design with a lanyard for neck or chest wear; ABS non-slip, drop-resistant housing.
- ▶ Manual tuning via knob or buttons for quick channel switching; transmit power is meeting international safety requirements.
- ▶ Supports custom branding with logo laser engraving or printing.



Tour Guide System Transmitter

Features

- ▶ Supports 2.4G operation with multi-channel options for multi-group use and reduced signal conflicts.
- ▶ PLL frequency synthesis and digital frequency hopping for strong anti-interference performance.
- ▶ Provides up to 100 m effective range in open areas; dynamic frequency hopping can further extend coverage.
- ▶ High-fidelity microphone with intelligent noise reduction for clear voice transmission.
- ▶ Supports one-touch functions such as pairing, mute, and power off; channel memory recalls the last channel at startup.
- ▶ High-capacity battery for 20 hours of continuous operation.
- ▶ Compact and lightweight design.
- ▶ Supports external audio sources, including an external microphone and CD/MP3 input.



Model	TG-2601T
Frequency Range	2404-2478MHz
Frequency Response	100Hz-20kHz
Channels	999
Pairing Method	One-key Automatic Pairing
Charging Voltage	DC 5V
Operating Current	140±5mA
S/N Ratio	>67dB
Dynamic Range	95dB
T.H.D	<0.5% @ 1kHz
Battery Runtime	Approx. 20hours
Charging Time	Approx. 3.5-4hours
Dimensions	55 × 126 × 26mm
Weight	105g
Effective Operating Range	100m
Battery Type	Lithium Polymer Battery
Material	ABS
Color	Black
Accessories	Lanyard

Tour Guide System Receiver
Features

- ▶ The 2.4G wireless technology features low power consumption and strong anti-interference performance.
- ▶ Up to 100 m receiving range; auto frequency hopping to avoid interference.
- ▶ High-fidelity earphones with digital noise reduction for clear audio.
- ▶ Lightweight design with one-touch pairing; one-touch power off/mute.
- ▶ Non-in-ear, rotatable ear-hook fits left or right ear for comfortable wear.
- ▶ Capacity battery for 6 hours of continuous use.



Model	TG-2601R
Frequency Range	2404-2478 MHz
Frequency Response	100 Hz-20 kHz
Channels	999
Pairing Method	One-key Automatic Pairing
Charging Voltage	DC 5 V
Operating Current	19 ± 5 mA
S/N Ratio	> 50 dB
Dynamic Range	97dB
T.H.D	< 0.5% @ 1 kHz
Battery Runtime	Approx. 6 hours
Charging Time	Approx. 1.5-2 hours
Dimensions	61.8×51.7×12.5mm
Weight	11.8g
Effective Operating Range	100m
Battery Type	Lithium Polymer Battery
Material	ABS
Color	Black
Accessories	Earhook

Charging Case with Sterilization Function
Features

- ▶ Charging for up to 50 receivers and transmitters.
- ▶ Integrated charging and storage design—devices can be stored in the case after charging to help prevent loss or damage.
- ▶ Multiple safety protections: short-circuit, overload, over-voltage, and over-temperature.
- ▶ Equipped with built-in LED ultraviolet disinfection and ozone deodorization functions.
- ▶ Compact and lightweight design for easy carrying and transport.



Model	TG-2601C
Power Consumption	50W
Input Voltage	200-240V/50-60Hz
Output Voltage	DC5V/10A
Precision	± 5%
Dimension	420 × 157 × 350 mm
Charging Slots	50
Charging Port	2
Weight	3.49kg

Audio Mixer

Digital Audio Mixer

Features:

- ▶ 8 MIDAS-quality mic preamps deliver exceptional sound
- ▶ Built-in WiFi, no router needed
- ▶ 16x16 USB interface supports 2-track recording
- ▶ 4 optional dual-channel FX engines include classic effects: Lexicon480L, PCM70, EMT250, Quantec QRS
- ▶ 100 real-time analyzers on channels and buses
- ▶ Rugged rack design with protective handles
- ▶ 4 aux sends, L/R main out, full dynamics, 6-band parametric or 31-band EQ
- ▶ Outputs: 4 TRS aux, 2 XLR main, headphone jack
- ▶ 40-bit DSP ensures ultra-low latency and wide dynamic range
- ▶ Quiet, energy-efficient internal power supply
- ▶ Free iOS, Android, and PC/Mac/Linux apps for WiFi/LAN remote control.



Model

SP-16

Processing	
Number of processing channels	16 input channels, 1 stereo USB return channel, 4 stereo FX return channels, 6 aux buses, main LR
Internal effects engines	4 true stereo
Signal processing	40-bit floating point
A/D-D/A conversion	24-bit @ 44.1 / 48 kHz, (Cirrus Logic A/D CS5368, D/A CS4385)
Analog I/O latency*	114 dB dynamic range
Connectors	0.8 ms
Programmable mic preamps, designed by MIDAS	8 XLR/TRS combo jacks, balanced
Line inputs	8 TRS, balanced
Main outputs	2 XLR, balanced
Aux outputs	4 XLR, balanced
Phones outputs	1 TRS
MIDI inputs / outputs	1/1 DIN
Ethernet	1 RJ45
USB port	Type A



MX Series Audio Mixer

Features:

- ▶ 8 mono+2 stereo / 10 mono+2 stereo / 14 mono+2 stereo channel
- ▶ LR main mix/ 2 AUX sends
- ▶ Responsive 3 band EQ
- ▶ Individual phantom power
- ▶ Channel and master meters
- ▶ Per channel pre/post fader aux switching
- ▶ 60mm dust protected faders
- ▶ 2-Track monitoring and replay to LR
- ▶ Headphones and local monitor outputs
- ▶ Dedicated stereo, peak-retaining monitor meters
- ▶ Electronically balanced XLR outputs with +26dBu drive capability
- ▶ Preamp +34dBu maximum input capability for mic or line
- ▶ Ultra low noise mix head amp design
- ▶ 7-band graphic EQ
- ▶ 24bit DSP effect processor
- ▶ MP3 player/recorder with concise human-machine interactive interface
- ▶ Internal power supply
- ▶ Metal jacks, gold-plated XLRs, sealed pots and switches



Model	MX-12FX	MX-14FX	MX-18FX
Line Channel	8 mono+2 stereo	10 mono+2 stereo	14 mono+2 stereo
Channel EQ	3 BAND		
AUX Output	2		
EFFECT	24bit DSP effect processor		
Main EQ	7 BAND		
Gain control	MIC +34dBu /Line+26dBu		
Phantom Power	48V DC		
Faders	60mm dust protected faders		
Other functions	2-Track monitoring and replay to LR, Headphones and local monitor outputs, MP3 player/recorder		

Slim Active Speaker System
Description:

The full frequency column speaker adopts the arc-shaped low diffraction cabinet design. The aluminum alloy cabinet not only looks very elegant but also makes efficient use of the cabinet inner space. The bright piano painting can effectively prevent corrosion. It perfectly meets different requirement for various applications. The subwoofer consists of dual 8" woofer, producing strong and powerful bass. The accurately designed low flow resistance guide tube not only obtain clear low frequency but also keep the distortion and noise generated by the inverter at the lowest level. KQ-25 is suitable for small onsite activities, small parties, conferences, shopping malls, hotels and places that need high-quality audio reinforcement.


Features:

- ▶ Extra compact, elegant slender and high power.
- ▶ Multiple signal inputs options suitable for different kinds of applications.
- ▶ Adopt 4-channel class-D power amplifier.
- ▶ With built-in Bluetooth module realizing wireless signal input.
- ▶ Built-in DSP processor allows multiple preset storable.
- ▶ Built-in effects available for different kinds of effect processing.

Model	KQ-25 TOP	KQ-25 SUB
Impedance	4 ohm	4 ohm
Rated power	250W	300W
Sensitivity	96dB(1W/1m)	99dB(1W/1m)
Max SPL	123dB	126dB
Power supply	----	100 – 240 V AC, 50 – 60 Hz
AD/DA Converter	----	24 bit/48 kHz
Mains connector	----	IEC
Product dimensions	1035 × 95 × 108mm	240 × 530 × 400mm
Weight	8.0kg	14.3kg

Professional Audio

KP-610

- ▶ 10 inch plywood speaker
- ▶ High power, reliable and performance
- ▶ Black painted finish



KP-612

- ▶ 12 inch plywood speaker
- ▶ High power, reliable and performance
- ▶ Black painted finish



KP-615

- ▶ 15 inch plywood speaker
- ▶ High power, reliable and performance
- ▶ Black painted finish



Model	KP-610	KP-612	KP-615
Frequency Response	60Hz-18KHz	60Hz-18KHz	60Hz-18KHz
Impedance	8	8	8
Rate Power	300W	400W	550W
Senistivity	95dB	95dB	95dB
Max SPL/1M	102dB	102dB	102dB
Size	300x340x524mm	350x382x600mm	430x430x680mm
Material	15mm Plywood, Aluminum frame	15mm Plywood, Aluminum frame	18mm Plywood, Aluminum frame
Configuration	34 coil 90 magnetic HF, 65 coin 156 magnetic LF	44 coil 120 magnetic HF, 75 coin 190 magnetic LF	44 coil 120 magnetic HF, 75 coin 190 magnetic LF

PSRX712M

- ▶ 12 inch plywood speaker
- ▶ High power, reliable and performance
- ▶ Black painted finish



PSRX715

- ▶ 15 inch plywood speaker
- ▶ High power, reliable and performance
- ▶ Black painted finish



PSRX725

- ▶ Dual 15 inch plywood speaker
- ▶ High power, reliable and performance
- ▶ Black painted finish



Model	PSRX712M	PSRX715	PSRX725
Configuration	190 magnetic LF, 44 core HF	100 core 220 magnetic LF, 75 core HF	100 core 220 magnetic LF, 75 core HF
Frequency Range	70 Hz - 20kHz (-10 dB)	40 Hz - 20kHz (-10 dB)	37 Hz - 20kHz (-10 dB)
Frequency Response	83 Hz - 18 kHz (±3 dB)	53 Hz - 20 kHz (±3 dB)	53 Hz - 20 kHz (±3 dB)
Sensitivity(1m/1W)	96dB	97dB	98dB
Rated/Continuous/Peak power	400W/800W/1600W	500W/1000W/2000W	1000W/2000W/4000W
Maximum SPL	122dB/125dB/128dB	124dB/127dB/130dB	128dB/131dB/134dB
Coverage Pattern	90° x 50° nominal	75° x 50° nominal	75° x 50° nominal
Net Weight	15 kg (33 lb)	22 kg (48 lb.)	45 kg (100 lb.)
Dimensions (H x W x D)	349 mm x 546 mm x 260 mm (13.75 in x 21.5 in x 10.25 in)	711 mm x 439 mm x 406 mm (28 in x 17.3 in x 16 in)	1219 mm x 541 mm x 508 mm (48 in x 21.3 in x 20 in)

PSRX718S

- ▶ 18 inch plywood subwoofer
- ▶ High power, reliable and performance
- ▶ Suitable for tour sound


PSRX728S

- ▶ Dual 18 inch plywood subwoofer
- ▶ High power, reliable and performance
- ▶ Black painted finish

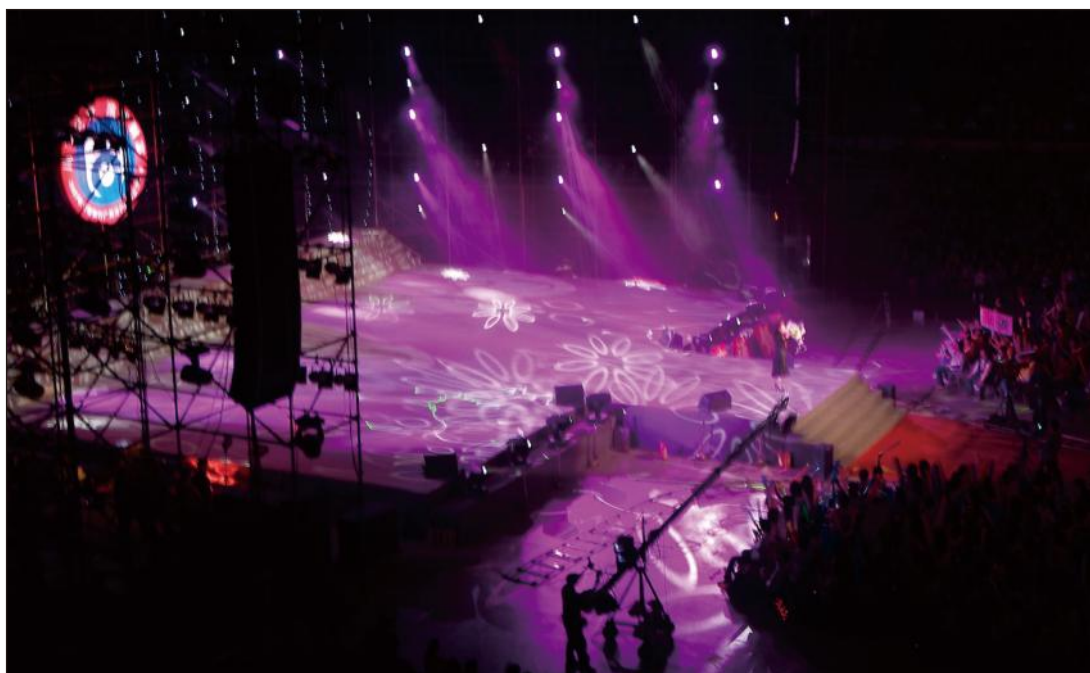

EX12A+/EX12+ Passive

- ▶ 12 inch plywood speaker
- ▶ High power, reliable and performance
- ▶ Black painted finish



Model	PSRX718S	PSRX728S
Rated/Continuous/Peak power	800W/1600W/3200W	1600W/3200W/6400W
Maximum SPL	122dB/125dB/128dB	130dB/133dB/136dB
Sensitivity(1m/1W)	96dB	98dB
Frequency Range	31 Hz - 220 Hz (-10 dB)	27 Hz - 220 Hz (-10 dB)
Dimensions (H x W x D)	508 mm x 597 mm x 749 mm (20.0 in x 23.5 in x 29.5 in)	610 mm x 1067 mm x 838 mm (24 in x 42 in x 33 in)
Frequency Response	34 Hz - 220 Hz (±3 dB)	33 Hz - 220 kHz (±3 dB)
Net Weight	36 kg (79 lb.)	76 kg (166.5 lb.)

Model	EX12A+/EX12+ Passive
Drivers	HF:44mm voice core; LF: 156mm magnet/65mm voice core
Frequency Range	45~18kHz
Senistivity(1w/1m)	96dB
Rated/Continuous/Peak power	200W/400W/800W
Maximum SPL	119dB/122dB/125dB
Pointing characteristic(H×V)	85°x50°
Size(LxDxH)mm	625x385x400
Weight(kg)	28



Portable Audio

6.5-Inch Bluetooth Portable Speaker

Features:

- **Powerful sound:** Experience high-quality audio with a 6.5-inch portable speaker that delivers impressive volume and clarity.
- **Portable design:** Take the party with you wherever you go, thanks to its compact and lightweight design that allows for easy transportation.
- **Built-in battery:** Enjoy uninterrupted music playback with the convenience of a long-lasting builtin battery, eliminating the need for constant power source.
- **Wireless connectivity:** Connect your devices wirelessly via Bluetooth and stream your favorite music, podcasts, or playlists effortlessly.
- **Versatile inputs:** The speaker offers various input options, including AUX, MIC IN, TF card and USB, providing flexibility to play music from different sources.



Model	Moving 6
Output Power	32W
Speaker Size	6.5" Full Range Driver
Power Supply	100-240V
Battery Capacity	7.4V/1800mAh Lithium Battery
Audio Inputs	Aux in, USB/TF Card input, FM Radio, Bluetooth, Mic input
Cabinet Material	Plastic
Package Dimensions	315 × 175x402mm
Color	Black

8-Inch Portable Speaker

Features:

- **Versatile Connectivity:** Equipped with Bluetooth, USB, AUX IN, and LIVE INPUT, allowing a variety of audio sources to be connected seamlessly.
- **Multiple Inputs:** Features MIC IN and GUITAR IN ports, catering to both vocal and instrumental performances.
- **Multiple Positioning Modes:** Supports various orientations – tilt-back, monitor, elevated, or on a speaker stand.
- **Customizable Sound Settings:** Allows adjustment of bass, mid, treble, and effects for both guitar and microphone, providing personalized sound control.
- **Professional Output Options:** Comes with a line output, ideal for connecting to additional audio equipment or larger sound systems.
- **Versatile for Any Occasion:** Ideal for live music, small events, classrooms, business presentations, fitness classes, or home entertainment.



Model	Moving 8Pro
Output Power	100W
Speaker Size	8" WOOFER + 2.75" TWEETER*3
Battery	12.8V/6Ah (LiFePO4)
Audio Inputs	USB INPUT, LINE IN/OUT, OTG/LIVE INPUT/MIC INPUT,GUITAR INPUT
Special Functions	BLUETOOTH, FM, MIC PRIORITY,RECORDING
Cabinet Material	Plastic
N.W./G.W.	8KGS/10KGS
Product Size/Package Size	400*292*345MM/392*347*469MM
Volume Controls	MASTER VOLUME CONTROL CH1 CONTROL MUSIC VOL/TREBLE/BASS CH2 CONTROL MIC VOL, WIRELESS MIC VOL, MIC TREBLE/BASS/REVERB/ECHO CH3 CONTROL MUSICAL INSTRUMENT VOL, TREBLE/MIDRANGE/BASS/REVERB/DELAY.

8/10/12/15-Inch Bluetooth Portable Speakers

Features:

- **Powerful Sound:** Enjoy crisp and clear audio with the 8/10/12/15-inch Bluetooth Trolley Speaker, delivering powerful sound that fills any room or outdoor space.
- **Wireless Connectivity:** Stream your favorite music wirelessly from your smartphone, tablet, or other Bluetooth-enabled devices, providing convenience and versatility.
- **Portable Design:** Featuring a trolley design with built-in wheels and a retractable handle, this speaker is easy to transport, making it perfect for parties, events, and outdoor gatherings.
- **Multi-functional:** Equipped with USB and SD card inputs, FM radio, microphone input, and guitar input, this speaker offers multiple playback options and can even be used for karaoke or live performances.
- **Long-lasting Battery:** Enjoy hours of uninterrupted music with the built-in rechargeable battery, ensuring the party keeps going wherever you are.



Model	Moving 8	Moving 10	Moving 12	Moving 15
Output Power	40W	60W	80W	120W
Speaker Size	8" Woofer + Tweeter	10" Woofer + Tweeter	12" Woofer + Tweeter	15" Woofer + Tweeter
Audio Inputs	Aux in, USB/TF Card input, FM Radio, Bluetooth, Mic input, Guitar input			
Special Functions	Remote Control, Recording, Voice Prompt, MIC Priority			
Power Supply	100-240V			
Battery Capacity	12V 4.5AH	12V 4.5AH	12V 7.5AH	12V 7.5AH
Package Dimensions	410x395x650mm	410x395x650mm	445x420x725mm	510x465x820mm
Cabinet Material	Plastic			
Color	Black			

Authorized Distributor:

