



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



Contents

Compact PA System	MA Series	1-6
Power Amplifiers	Mpro/PD/PA Series	7-21
Analog PA Controls	AL Series	22-25
10 Zone All-in-one System	DCM-100M Series	26
Audio Matrix System	MX-8800	27-28
Voicewell PAVA System	PA/PV Series	29-34
Digital PA Controls	D-COM Series	35-43
ECO IP PA System	ECO-IP	44-65
PA Loudspeakers	CP/WP/RK/LM/LSA	66-107
Volume Controller	VA/VB Series	108
Audio Sources	AS Series	109-112
Bluetooth Speaker System	CB/AB/WB/ROCK	113-126
Home Audio Packages	Wifi/BA/CP Series	127-151
Microphone	Wired/Wireless	152-162
Conference System	LC/DC Series	163-166
Interpretation System	IR Series	164-168
Tour Guide System	GD Series	169-170
Racks & Accessories	RK/AU Series/Speaker Driver	171-173
Professional Amplifier&Mixer	Single & Multiple Channel	174-177
Dante & Audio Processors	DANTE & DSP Series	178-209
Professional Speakers	LA/PSRX/KP/EX Series	210-213

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

SPECIFICATIONS	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
Finish	Panel: steel plate, black Case: steel plate, black			

REAR PANEL





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 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

SPECIFICATIONS	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
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
Finish	Panel: steel plate, black Case: steel plate, black			

REAR PANEL



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

SPECIFICATIONS	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
Finish	Panel: aluminium, black Case: steel plate, black					

Class D Mixer Amplifier with Audio Sources

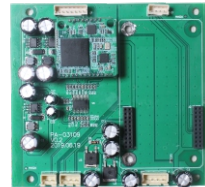
Mixer Amp with Built-in USB/SD/AUX/Tuner/Bluetooth and optional DSP / Dante Network

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

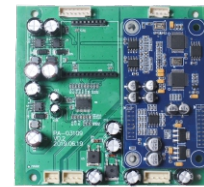


Note:

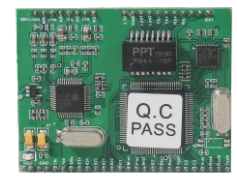
MA-TD DANTE:
Optional Dante Audio module for MA-120TD series to Order
MA-TD DSP:
Optional DSP module for MA-120TD series to Order
MA-TD IP:
Optional IP module for MA-120TD series to Order
MA-TD SIP:
Optional SIP module for MA-120TD series to Order



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

SPECIFICATIONS	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
Finish	Panel: Aluminium plate, black Case: steel plate, black			

Class D Mixer Amplifier with Audio Sources



DIGITAL AMP



DSP



LIGHTWEIGHT



Bluetooth

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

SPECIFICATIONS	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
Finish	Panel: Aluminium plate, black Case: steel plate, black			



Class D Mixer Amplifier with Audio Sources, Dante and DSP

Description

MA-1000TD is a multi-function network DSP digital High-Z and low-Z power amplifier 2*500W@4Ω, 2*300W@8Ω, bridged 1000W@8Ω, low-Z 100V-1000W@10Ω. 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.

Ordering code:

MA-1000T
2X500W mixer amplifier with DSP

MA-1000TD
2X500W mixer amplifier with DSP and Dante

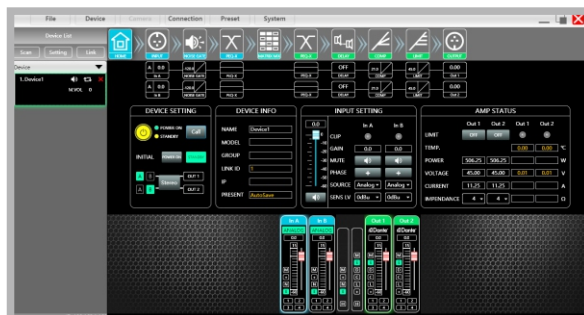
MA-2000T
4X500W mixer amplifier with DSP

MA-2000TD
4X500W mixer amplifier with DSP and Dante



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



Control software

MODEL	MA-1000T/MA-1000TD	MA-2000T/MA-2000TD
Output Power	2*500w at 4ohm; or 1*600W at 8ohm bridged, 1*600W 100V line bridged, 1*600W 70V line bridged	4*500w at 4ohm; or 2*600W at 8ohm bridged, 2*600W 100V line bridged, 2*600W 70V line 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	5 Bands	
Output EQ	9 Bands	
Cooling	Internal 12VDC fan, extensive heat sinking	
Display	240*240 res, IPS colored	
Dante interface	2 Channel	
Power Requirements	180–264V AC, 50/60 Hz	100–240V AC, 50/60 Hz
Dimensions	44.5(H) x 483(W) x 330(D) mm	
Built-in Dimensions	1 U rack 19 inch	
Finish	Panel: Aluminum plate, black; Case: steel plate, black	



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, 8 ohms, 4 ohms
- ▶ Software control, it can control media matrix and professional processor at the same time
- ▶ Wide voltage operation 180-264VAC

Applications

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

Ordering code

PA-41500TD

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

PA-41500T

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

PA-41000TD

4*1000W@8Ω, 4*1600W@4Ω, 100V (2*1250W); 70V(4*600W); Amplifier with DANTE AND DSP

PA-41000T

4*1000W@8Ω, 4*1600W@4Ω, 100V (2*1250W); 70V(4*600W); Amplifier with DSP

PA-4800TD

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

PA-4800T

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



MODEL	PA-41500T	PA-41000T	PA-4800T
Channels	4	4	4
Rated power	4*1500W@8Ω, 4*2000W@4Ω, 100V (4*1250W); 70V(4*600W);	4*1000W@8Ω, 4*1600W@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



DAB Amplifier

Description:

Lucky Tone DAB amplifier series is a compact digital mixer amplifier with a 30W/60W (rms) output ideal for comfortable background music in both commercial and domestic environments. The DAB-30 and 60 weighs just 2.16kg so it can sit on or below a desk, in a drawer or a cabinet.

This versatile mixer amp features Bluetooth connectivity, an DAB (Digital Audio Broadcasting) tuner, and USB input perfect for connecting almost any device. It also has a 6.35mm and XLR microphone input great for making announcements, last calls, or even pub quizzes.

Mono output to either 100V line, 70V line or 4–16 ohms speaker load is connected via phoenix terminals on the rear panel.

Boasts a simple-to-use digital interface with onboard controls such as mode, play/pause, next/previous, and repeat.

Software adjustment: digital Effect, EQ, Priority and super bass

Suggested areas of use:

Domestic Environments | Lounges | Dining Areas | School Classrooms
Commercial Environments | Retail stores | Cafes | Coffee Shops | Offices



SPECIFICATIONS

DAB-30/DAB-60

Power supply	220–240Vac, 50Hz/60Hz (IEC) or 12VDC back up power
Audio source	USB player, DAB tuner and Bluetooth receiver
Bluetooth version	5.0; compatible 4.2 and V2.1EDR
Controls	Treble, Master, MP3, Aux, Mic
Microphone inputs	6.3mm jack (unbalanced) and XLR (balanced)
Line input	2 x RCA (summed to mono)
Line output	1 x RCA
Speaker outputs	COM, 100V/70V and 4–16 Ohms (Phoenix terminals)
Antenna connection	screw terminal
Dimensions	280 x 205 x 67mm
Power output	30W / 60W RMS
Weight	2.16/ 2.36kg

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

SPECIFICATIONS

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 / 70V (USA version) / 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



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 B: 8 record message trigger by 8 dry contacts

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

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

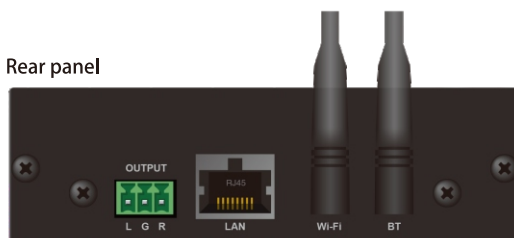
Power consumption	10 Watt
Power supply	110~240V AC / 50~60Hz DC 24V
Weight (Net)	3.82 kg
Dimensions (W x H x D)	483 x 44 x 110mm

Mplayer A Multi media player

Front panel



Rear panel



Features:

- Internet radio, Bluetooth, AUX input, USB, APP control
- Controls
 - Front: Mode/Pair, Play/Pause, Next/Vol+, Back/Vol-, IR remote
- Connectors
 - Audio output : Left/Ground/Right
 - Network : LAN, Wi-Fi and Blue tooth antenna
- Indicators
 - LED : Power, Wi-Fi, Blue tooth, AUX

Model	Mplayer A
Wireless network	IEEE802.11b/g/n
Security Protocol	WEP/WPA/WAP2
Signal to noise ratio	Bluetooth / USB / Wi-Fi > 60 dB
	AUX > 80 dB
Audio codec	MPEG 1/2/5 Layer 2/3 decoding (8 kHz – 48 kHz) WMA V4, V7, V8, V9(L1, L2) decoding (8 kHz – 48 kHz)
MP3/WMA Compatible media	MP3 USB Memory sticks up to 16 GB (FAT32)
Output Level / Impedance	0 dB / 600 Ω
Frequency response	20Hz – 20kHz
Power supply	DC 5V
Weight (Net)	0.1 kg
Dimensions (W x H x D)	120 x 37 x 24mm

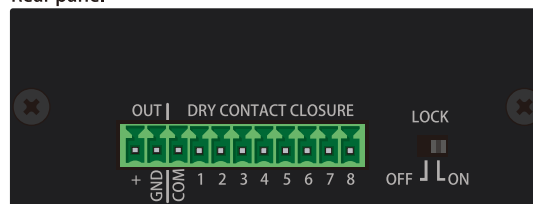


**User recordable voice messenger
message trigger by 8 dry contacts closure**

Front panel



Rear panel



Mplayer B Voice alarm REC & PLAY

Features:

- ▶ USB, SDcard memory interface,
- ▶ Controls
Front: REC, PLAY, NEXT, BACK, MIC input and Line input for recording
Rear: Locking Switch, DRY contact closure
- ▶ Indicators
1.5" B/W Graphic LCD
- ▶ Connectors
Output : Line output with Euroblock Pitch 3.5 mm
USB & SD Card Slot

Operations:

- ▶ REC mode
Front: REC, NEXT, BACK, MIC input or Line input for recording
Press NEXT or BACK for selecting file number(USB or SD Card)
Press REC for recording to selected file number(USB or SD Card)
- ▶ PLAY mode
Front: PLAY, NEXT, BACK, USB or SD Card
Press NEXT or BACK for selecting file number
Press PLAY for playing from selected file number
Rear: Dry contact closure 1 to 8(Euroblock)
▶ Close contact point for playing continuously from selected file number
Open contact point to stop playing
Priority: USB > SD Card

LOCK mode

Rear: LOCK switch

Slide on for locking of front buttons(REC,PLAY,NEXT,BACK)

Slide off for unlocking of front buttons(REC,PLAY,NEXT,BACK)

▶ COPY mode

Copy from USB(or SD Card) to SD Card(or USB)

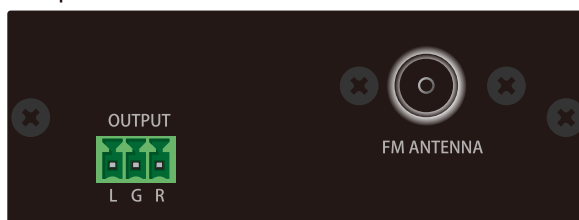
Front: USB & SD Card Slots

Media Player, support Bluetooth, FM, USB and SD

Front panel



Rear panel



Mplayer C Multi media player

Features:

- FM radio, BlueTooth, USB & SD card memory interface, AUX inut, IR Remote control
- Controls
 - Front: MENU, PLAY, NEXT, BACK
- Connectors
 - Input: AUX IN phone jack
 - Output: Stereo line output with Euroblock
 - USB and SD Card slot
 - FM antenna input jack
- Indicators
 - 1.5" B/W GRAPHIC LCD

Model	Mplayer C	
Frequency range	FM	87.5–108.0Mhz
Channel step	FM	50kHz
Intermediate Frequency	FM	10.7MHz
Sensitivity	FM	2 uV at 30dB S/N
Signal to noise ratio	Bluetooth / FM	> 60 dB
	Mp3	> 80 dB
Audio codec	MPEG 1/2/5 Layer 2/3 decoding (8 kHz – 48 kHz) WMA V4, V7, V8, V9(L1, L2) decoding (8 kHz – 48 kHz)	
MP3/WMA Compatible media	MP3 USB Memory sticks up to 16 GB (FAT32)	
Output Level / Impedance	0 dB / 600 Ω	
Frequency response	20Hz – 20kHz	
Power supply	DC 5V	
Weight (Net)	0.1 kg	
Dimensions (W x H x D)	120 x 37 x 24mm	

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

6 Zone Mixer Amplifier with Zone volume control



Mplayer A



Mplayer B



Mplayer C

3 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 control, 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 4 Ω , 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.

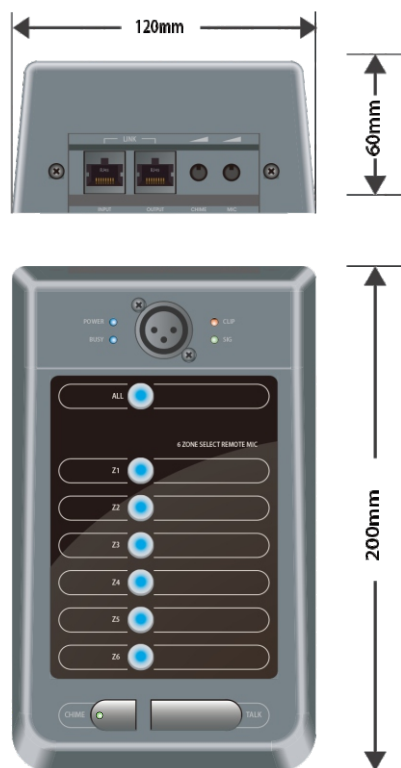
► Option : Rack Mount Kit.



MODEL	Mpro 130	Mpro 240	Mpro 360	Mpro 480
Rated Power (RMS)	130W	240W	360W	480W
Input sensitivity/Impedance	Channel 1-4 -36dB / -10dB Selectable / 20 k Ω Balanced			
	Aux 0dB / 20 k Ω Balanced			
	Remote Mic 0dB / 20 k Ω Balanced			
Output level/Impedance	Speaker Hi-z 100V(83 Ω), 70V(42 Ω)	100V(42 Ω), 70V(21 Ω)	100V(28 Ω), 70V(14 Ω)	100V(21 Ω), 70V(10 Ω)
	Output Low-z 22V (4 Ω)	31V (4 Ω)	38V (4 Ω)	43V (4 Ω)
	Rec Out 0dB / 600 Ω Unbalanced			
	Link Out 0dB / 600 Ω Unbalanced			
Frequency Respose (-3dB)	65Hz - 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	10kg	11kg	12kg
Dimensions (W x H x D)	420 x88 x 320mm			



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)

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-260V PD-460V	PD-2120V PD-4120V	PD-2240V PD-4240V	PD-2350V PD-4350V	PD-2500V PD-4500V
Description	2/4 Channel Class-D Power Amplifier				
Rated Power Output	2/4x60W	2/4x120W	2/4x240W	2/4x350W	2/4x500W
Speaker Output	100V				
Frequency Response	L/H Cut OFF 20Hz-20KHz (+1/-2dB) L/H Cut ON 70Hz-10KHz (+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	6.6Kg/8.0kg	7.0kg/8.3kg	7.3kg/8.8kg	7.8kg/9.2kg	8.2kg/9.8kg



Power Booster Amplifier with 24VDC

Steady and powerful performance

PA-120DC @ 120W RMS Power

PA-240DC @ 240W RMS Power

PA-360DC @ 360W RMS Power



► Description:

This range of amplifier is designed for commercial and industrial grade public address application. With efficiently components, it delivers 120 to 360 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 120/240/360W
- 400Hz high pass filter for horn connection
- 100V, 70V and 40hms transformer isolated speaker outputs
- Combination XLR input with XLR Link out connectors
- Ground selectable with frame and float

SPECIFICATIONS	PA-120DC	PA-240DC	PA-360DC
Rated Power Output	120W	240W	360W
Amplification	Analog 100V Transformer Type		
Output	100V, 70V and 4 Ohms		
Frequency Response	60 – 20,000 Hz, +/- 3dB		
THD	Less than 1% at 1kHz (1/2 Rated Power)		
S/N Ratio	Better than 90dB		
Gain Controls	-12dB to 0		
Controls	Gain control and power switch		
Cooling	Internal 12VDC fan, extensive heat sinking		
Indicators	Power, Clip, Signal, Protect, and Temp LEDs		
Power Consumption	260W	500W	760W
Power Requirments	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		
Carton Dimensions	185(H) x 520(W) x 435(D) mm		
Net Weight	13.12kg	17.66kg	20.8kg
Gross Weight	16.76kg	19.30kg	22.3kg
Finish	Panel: steel plate, black Case: steel plate, black		

REAR PANEL





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

SPECIFICATIONS	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 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	15.12kg	17.66kg	20.8kg
Gross Weight	16.76kg	19.30kg	22.3kg
Finish	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

SPECIFICATIONS	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
Finish	Panel: steel plate, black Case: steel plate, black	

REAR PANEL



2CH 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

160 Zone paging station AL-10R

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!



SPECIFICATIONS	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 AL-10P

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



SPECIFICATIONS	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

Pre- Amplifier AL-11P

With multi versatile inputs

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.



SPECIFICATIONS 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 AL-10M

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.



SPECIFICATIONS 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



16-Zone speaker selector AL-16S4

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.



SPECIFICATIONS 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 AL-10S2

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.



SPECIFICATIONS 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 AL-10S

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



SPECIFICATIONS

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

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.



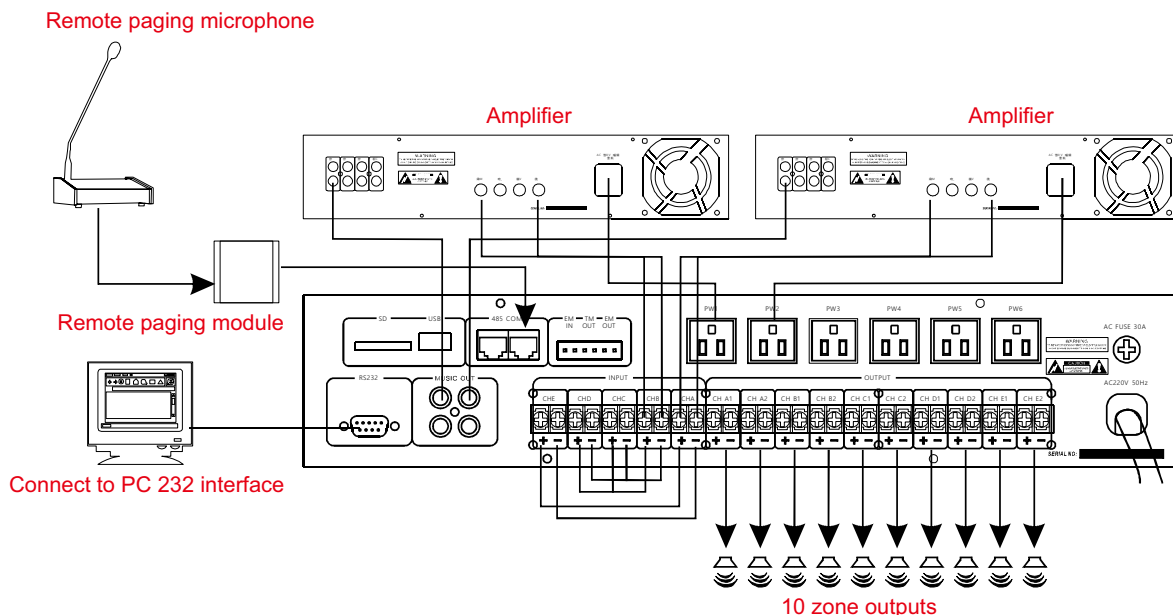
Features:

- ▶ 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





Integrated Public Address and Voice Alarm System



Voicewell Series Public Address and Voice Alarm System is a highly integrated solution which can significantly save total ownership cost, enhance safety and stability performance, upgrade user experience and improve operation efficiency for single buildings. Voicewell applies dual channel audio matrix with total capacity of 128 loudspeaker lines. It can achieve high quality sound reproduction performance, live paging, fully digital volume control, automatic reaction by triggering, dynamic power amplifier backup and comprehensive supervision and so on through high speed data bus.



Voicewell Public Address and Voice Alarm

Master Control Unit (MCU) is the central management device of the system, which is used to manage and monitor all devices and perform various operations. MCU is integrated with audio storage, broadcast, zone control, monitor, timing control, fault diagnosis, etc. functions. Built-in 500W digital power amplifier can drive maximum 8 loudspeaker lines to meet requirements for small applications. It can also be connected to zone expanders to increase system capacity for the requirements of large applications as well.

Features:

- Complies to international standards
- Plug-and-play for easy commissioning
- Fully configurable keys to achieve any task at the press of a button
- Modular architecture: Expandable up to 128 speaker lines
- Dual channel audio capability
- Flexible amplifier backup modes to ensure low cost of ownership and high reliability
- Digital volume control on all inputs/outputs
- Comprehensive fault detection and indication



PA-MCU & PV-MCU



SPECIFICATIONS

PA-MCU / PV-MCU

PARAMETERS	VALUES
MAIN POWER SUPPLY VOLTAGE	AC 220-240V, 50/60Hz
BACKUP POWER SUPPLY VOLTAGE	AC 220-240V, 50/60Hz
MAIN POWER SUPPLY FUSE	T10AH 250V
Power Consumption	<760W
MICROPHONE INPUT	
INPUT SENSITIVITY	-59±3dBV
INPUT IMPEDANCE	250Ω
FREQUENCY RESPONSE	100Hz-14KHz, ±3dB
SNR	>50dB (with A-Weight)
AUXILIARY INPUT	
CHANNELS	2
INPUT SENSITIVITY	1V (0dBV)
INPUT IMPEDANCE	10 KΩ
FREQUENCY RESPONSE	85Hz-18KHz, ±3dB
SNR	>80dB, A-weighted
MIC/LINE INPUT	
INPUT SENSITIVITY	5mV/1V, set by DIP switch
INPUT IMPEDANCE	20 KΩ
FREQUENCY RESPONSE	80Hz-18KHz, ±3dB
SNR	>80dB, A-weighted
PHANTOM POWER	24V DC, set by DIP switch
CALL STATION INTERFACE	
INPUT SIGNAL	2V
INPUT IMPEDANCE	20 KΩ
OUTPUT SIGNAL	2V
OUTPUT IMPEDANCE	20 KΩ
FREQUENCY RESPONSE	85Hz-18KHz
AUDIO OUTPUT	
OUTPUT CHANNELS	Channel 1, channel 2 and recording output

OUTPUT SIGNAL	1V (0dBV)
THD	<0.1%
AMPLIFIER CONTROL INTERFACE	
CHANNELS	3 (channel 1, channel 2 and backup amplifier)
OUTPUT SIGNAL	1.4V
THD	<0.1%
CONTROL SIGNAL	Self-test signal, amplifier fault signal and power saving control signal
LOUDSPEAKER CIRCUITS	
OUTPUT CHANNELS	8 (with group A and group B)
MAXIMUM LOUDSPEAKER LOAD	500W
CONTACT INPUT /OUTPUT	
CONTACT INPUTS	10 contact input interfaces with supervision
CONTACT OUTPUTS	8 (NO, NC & COM), fault output, emergency output
MAX. WORKING VOLTAGE FOR OUTPUTS	AC 250V/DC 30V
MAX. WORKING CURRENT FOR OUTPUTS	2.5A
OTHERS	
DC POWER OUTPUT	24V/1A
MONITORING LOUDSPEAKER	2W/8Ω
ETHERNET PORT	10M/100M
MEMORY CAPACITY	1GB Flash Memory, 4GB SD card
OPERATING CONDITIONS	
HUMIDITY	< 95%, without condensation
OPERATING TEMPERATURE	-10°C~+50°C (14°F~+122°F)
STORAGE TEMPERATURE	-40°C~+70°C (-40°F~+158°F)
WEIGHTS AND DIMENSIONS	
PRODUCT DIMENSION (W×H×D)	482 mm×133.5 mm×420 mm
PACKAGE DIMENSION (W×H×D)	580 mm×279 mm×552 mm
NET WEIGHT	14.3Kg
GROSS WEIGHT	17.4Kg



Voicewell Public Address and Voice Alarm

PA-AMP500&PV-AMP500, 500W Digital Power Amplifier, is used to amplify the audio signal to drive loudspeakers. It is reliable, efficient and light in weight.

Features:

- ▶ Class-D technology with high efficiency.
- ▶ Maximum 500W power output.
- ▶ 70V and 100V audio output.
- ▶ Supports both balanced and unbalanced audio input.
- ▶ Forced fan cooling.
- ▶ Automatic output voltage limit.



PA-AMP500 & PV-AMP500



SPECIFICATIONS

PA-AMP500 / PV-AMP500

PARAMETERS	VALUES
MAIN POWER SUPPLY VOLTAGE	~ 220V-240V 50/60Hz
BACKUP POWER SUPPLY VOLTAGE	~ 220V-240V 50/60Hz
POWER CONSUMPTION	<720W
MAIN POWER SUPPLY FUSE	T10AH 250V
AMPLIFIER OUTPUT	70V / 100V
RATED OUTPUT POWER	500W
FREQUENCY RESPONSE	80Hz~18KHz (+1dB ~ -3dB)
INPUT IMPEDANCE	20KΩ
INPUT SENSITIVITY(RJ-45)	1.4V
AUX. INPUT 1	1.4V
AUX. INPUT 2	100V
AUDIO CASCADE OUTPUT	1.4V
SNR	>90dB, A-weighted
NON-LINEAR DISTORTION	<0.1% (at 1/3 rated power, 1kHz)
INDICATOR LIGHTS	Power, main power fault, backup power fault, protection and signal level indicator.
COOLING METHOD	Air cooling
HUMIDITY	< 95%, without condensing
OPERATING TEMPERATURE	-10°C~+55°C(14°F to +131°F)
STORAGE TEMPERATURE	-40°C~+70°C(-40°F to +158°F)
PRODUCT DIMENSION (W*H*D)	482 mm×88 mm ×407 mm
PACKAGE DIMENSION (W*H*D)	580 mm×235 mm ×552mm
NET WEIGHT	10.6Kg
GROSS WEIGHT	13.2Kg

Voicewell Public Address and Voice Alarm

Description:

RK-MIC is used to perform various broadcasts and live announcement in zones. This unit has programmable buttons, users may easily conduct operations, such as paging, BGM broadcast, business broadcast, voice alarm, volume control, recording, monitoring, etc. If necessary, extension key modules can be connected to RK-MIC for more buttons.

Features:

- ▶ Supports gooseneck or PTT microphone for live broadcast.
- ▶ Built-in loudspeaker to monitor CH1/CH2 audio.
- ▶ Temporary recording function.
- ▶ Line input interface to connect to external BGM audio source.
- ▶ The volume of microphone, line input and loudspeaker can be set via the volume regulators at the rear panel.
- ▶ 8 programmable buttons, be able to be configured by software.
- ▶ Supports extension key modules as required.
- ▶ Automatic supervision of microphone and communication.
- ▶ The distance between MCU and MIC can be up to 600 meters via twisted-pair cable.
- ▶ Call station can be powered by MCU.
- ▶ Maximum 6 remote call stations can be connected to the system.



PA-MIC & PV-MIC



Extension Keypad K4 & K8

SPECIFICATIONS	PA-MIC / PV-MIC
PARAMETERS	VALUES
POWER SUPPLY VOLTAGE	DC 24V
RATED POWER	10 W
MIC INPUT	
INPUT SENSITIVITY	-50dB±3dB
SNR	>60dB, A-weighted
OPTIMAL PICKUP DISTANCE	10~20cm
LINE INPUT	
INPUT SIGNAL	1V(0dBV)
INPUT IMPEDANCE	10 KΩ
FREQUENCY RESPONSE	80Hz~18KHz, ±3dB
SNR	>85dB, A-weighted
OTHERS	
MONITORING LOUDSPEAKER	2W/8Ω
OPERATING CONDITIONS	
HUMIDITY	< 95%, without condensing
OPERATING TEMPERATURE	-10°C~+55°C(14°F to +131°F)
STORAGE TEMPERATURE	-40°C~+70°C(-40°F to +158°F)
WEIGHTS AND DIMENSIONS	
PRODUCT DIMENSION (W*H*D)	200 × 46.5 × 200 mm
PACKAGE DIMENSION (W*H*D)	403 × 133 × 268mm
NET WEIGHT	1.4Kg
GROSS WEIGHT	2.5Kg



Voicewell Public Address and Voice Alarm

Description:

PA-ZONE8&PV-ZONE8 is the zone extension device to expand the number of loudspeaker lines and interfaces. ZONE8 can provide the interfaces for 16 loudspeaker lines (corresponding to 8 zones), 8 dry contact inputs and 8 dry contacts. External power amplifiers must be connected to drive all the loudspeakers.

PA-ZONE8 & PV-ZONE8



Features:

- ▶ Supports single and dual audio channels.
- ▶ Maximum 8 zones can be connected, each zone has two speaker lines (A and B), of which maximum power rate is 500W
- ▶ 8 dry contact inputs with supervision
- ▶ 8 dry contact outputs
- ▶ 4 external power amplifiers and 1 spare power amplifier can be connected
- ▶ Flexible amplifier redundancy function
- ▶ Full supervision, including main power supply, backup power supply, CPU fault, power amplifier, speaker lines, dry contact inputs and network fault, etc.
- ▶ Speaker line supervision in both broadcasting and non-broadcasting mode.
- ▶ The volume of the signal to amplifiers can be set via MCU
- ▶ Supports 3-wire and 4-wire volume controller
- ▶ Supports standalone mode and networking mode
- ▶ 1 line input interface, which can be connected to external device when device is in standalone mode or the CPU of MCU fails
- ▶ DC power output interface, through which to supply power for external modules, such as volume controller
- ▶ Maximum 15 PA-ZONE8 or PV-ZONE8 can be used.



SPECIFICATIONS

PA-ZONE8 / PV-ZONE8

PARAMETERS	VALUES
MAIN POWER SUPPLY VOLTAGE	AC 100-240V, 50/60Hz
BACKUP POWER SUPPLY VOLTAGE	AC 100-240V, 50/60Hz
MAIN POWER SUPPLY FUSE	T2AL 250V
RATED POWER	35W
LINE INPUT	
INPUT SIGNAL	1V(0dBV)
INPUT IMPEDANCE	10 KΩ
FREQUENCY RESPONSE	80Hz-18KHz, ± 3dB
SNR	>80dB, A-weighted
AUDIO OUTPUT	
OUTPUT CHANNELS	CH1, CH2
OUTPUT SIGNAL	1V (0dB)
THD	<0.1%
POWER AMPLIFIER CONTROL INTERFACE	
CHANNEL NO.	3 (CH1, CH2 and spare amplifier)
OUTPUT SIGNAL	1.4V
THD	<0.1%
CONTROL SIGNAL	
LOUDSPEAKER CIRCUIT	
OUTPUT CHANNEL NO.	8(with group A and group B)
MAXIMUM LOUDSPEAKER LOAD	500W
CONTACT INPUT / OUTPUT	
CONTACT INPUTS	8 monitored dry contact inputs
CONTACT OUTPUTS	8 dry contact outputs (NO, NC and COM)
MAX. WORKING VOLTAGE FOR OUTPUTS	AC 250V/DC 30V
MAX. WORKING CURRENT FOR OUTPUTS	2.5A
OTHERS	
DC POWER OUTPUT	24V/1A
OPERATING CONDITIONS	
HUMIDITY	< 95%, without condensing
OPERATING TEMPERATURE	-10°C~55°C(14°F to 131°F)
STORAGE TEMPERATURE	-40°C~70°C(-40°F to 158°F)
WEIGHTS AND DIMENSIONS	
PRODUCT DIMENSION(W*H*D)	482 mm × 88 mm × 407 mm
PACKAGE DIMENSION(W*H*D)	580mm × 235mm × 552mm
NET WEIGHT	7.5Kg
GROSS WEIGHT	10.3Kg

Voicewell Public Address and Voice Alarm

24-Zone Expander

ZONE24 is the zone expansion device controlled by MCU, which adds 24 speaker zones and 24 contact inputs to the system. ZONE24 can connect with up to 6 external power amplifiers and 1 backup amplifier. The ZONE24 supports only single channel audio operation.



PA-ZONE24 & PV-ZONE24



Features:

- ▶ Supports up to 24 speaker zones
- ▶ Single channel operation
- ▶ Independent volume control for each audio channel
- ▶ 500W output capacity for each zone
- ▶ Can connect up to 6 main amplifiers and 1 backup amplifier
- ▶ Flexible amplifier backup mode, one backup amplifier can be used to back up all the amplifiers in the system
- ▶ 24 dry contact inputs (non-monitored)
- ▶ Automatic fault detection: main power, backup power, CPU, amplifier,
- ▶ speaker line, speaker line grounding, dry contact inputs and network.
- ▶ With one line input port, can be used in standalone mode or when the controller CPU fails
- ▶ Can work as stand alone (for PA announcements in case main Controller CPU fails) or in network mode along with MCU



SPECIFICATIONS

PA-ZONE24 / PV-ZONE24

PARAMETERS	VALUES
MAIN POWER SUPPLY VOLTAGE	AC 100-240V, 50/60Hz
BACKUP POWER SUPPLY VOLTAGE	AC 100-240V, 50/60Hz
MAIN POWER SUPPLY FUSE	T2AL 250V
RATED POWER	40W
LINE INPUT	
INPUT SIGNAL	1V(0dBV)
INPUT IMPEDANCE	10 KΩ
FREQUENCY RESPONSE	80Hz-18KHz
SNR	>80dB, A-weighted
POWER AMPLIFIER CONTROL INTERFACE	
CHANNEL NO.	2 (CH1 and spare amplifier)
OUTPUT SIGNAL	1.4V
THD	<0.1%
CONTROL SIGNAL	Self-testing, amplifier fault and power saving control signal
LOUDSPEAKER CIRCUIT	
OUTPUT CHANNEL NO.	24
MAXIMUM LOUDSPEAKER LOAD	500W
CONTACT INTERFACE	
CONTACT INPUT	24 contact inputs (not monitored)
OPERATING CONDITIONS	
HUMIDITY	<95%, without condensing
OPERATING TEMPERATURE	-10°C~+55°C(14°F to +131°F)
STORAGE TEMPERATURE	-40°C~+70°C(-40°F to +158°F)
WEIGHTS AND DIMENSIONS	
PRODUCT DIMENSION (W*H*D)	482 mm*88 mm*407 mm
PACKAGE DIMENSION (W*H*D)	580mm*235mm*552mm
NET WEIGHT	7.8Kg
GROSS WEIGHT	10.5Kg



ONVIF SIP System Software OVIP-SWC

LUCKY TONE ONVIF SIP System Software OVIP-SWC is an audio broadcast software that converts multi audio input to SIP extension broadcasting and RTP Multicast. It can manage and control various PA System professionally. With built-in SIP server, LUCKY TONE ONVIF SIP System Software OVIP-SWC provides all-in-one unified IP audio solution. It can support SIP extension broadcast. It can play various audio sources from SIP call, live radio, local media player, universal windows media player (for example, Spotify, iTunes, VLC, etc.) via RTP Multicast. Users can easily set and control zones, contents, rings, volume and scheduling. It's perfect to be used in School PA System, Commercial PA System, Transportation PA System, Hotel PA System, Health Care PA System, etc.

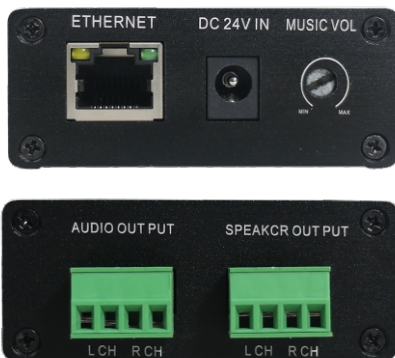


- ▶ Efficient manageable audio system.
- ▶ Support RTP Multicast.
- ▶ Support SIP extensions.
- ▶ Support built-in bell ringing.
- ▶ Multi zones management.
- ▶ Multi kinds of audio streams.
- ▶ Flexible schedule configuration.
- ▶ Compatible with all windows music players.
- ▶ Provide all-in-one unified IP audio solutions.
- ▶ Manage and control various PA System excellently.

2*15W SIP Network Audio Terminal, Compatible with ONVIF VMS

Description

The IP paging adapter OVIP-T10 is simple and slim design. It has built-in 15W amplifier, interface of MIC input, speaker output and, audio output. The SIP paging adapter can connect analog speaker or amplifier so as to realize SIP speaker or SIP Intercom function. The paging adapter is compatible with VoIP devices and ONVIF VMS. The SIP paging gateway supports two-way communication, pre-recorded messages, schedule play, GPIO in, HTTP control. It's perfectly suitable for various PA System, for instance, school, retail, commercial centers, etc.



Features

- ▶ Support 48K OPUS Audio Codec
- ▶ SIP & Onvif protocol compatibility
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With volume control
- ▶ Compact in Size and easy to install

Model OVIP-T10

Audio	
Decoding	OPUS 48 kHz, MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA 8 kHz
Network	
Security	Password protection, IP address filtering, Digest authentication, User access log
Network Protocol	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP
Network Interface	10/100 Base-TX, RJ45
VoIP	Support SIP protocol for integration with VoIP systems, integrated with SIP/PBX. Support SIP features: secondary/backend SIP server, IPv4 (IPv6 futhur). Support codecs: OPUS, G711U, G711A, GSM, MP3, WAV.
Amplifier	2x15W
General	
Material	Metal
Power Supply	PoE or DC 12V
Interface	2* Speaker output, 2*Audio output
Dimensions	100x66x26mm
Color	Black

SIP Wall Terminal, Compatible with ONVIF VMS.

Description

The IP paging adapter OVIP-T20 is simple and slim design. It has built-in 15W amplifier, interface of MIC input, headset output, speaker output, GPIO alarm input, GPIO alarm output, relay alarm output. The SIP paging adapter can connect analog speaker or amplifier so as to realize SIP Speaker or SIP Intercom function. Besides, it can also connect alarm and microphone. The paging adapter is compatible with VoIP devices and ONVIF VMS. The SIP Paging Gateway supports two-way communication, pre-recorded messages, schedule play, GPIO in, HTTP control. It's perfectly suitable for various PA System, for instance, school, retail, commercial centers, etc.



Features

- ▶ Two-way intercom communication
- ▶ Support 48K OPUS Audio Codec
- ▶ SIP & Onvif protocol compatibility
- ▶ Pre-recorded message(WAV/MP3)
- ▶ Alarm: GPIO, HTTP URL and relay out
- ▶ MIC, headset and speaker interface
- ▶ Reset and volume control

Model OVIP-T20

Audio	
Decoding	OPUS 48 kHz, MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA 8 kHz
Network	
Security	Password protection, IP address filtering, Digest authentication, User access log
Network Protocol	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP
Network Interface	10/100 Base-TX, RJ45
VoIP	Support SIP protocol for integration with VoIP systems, integrated with SIP/PBX. Support SIP features: secondary/backend SIP server, IPv4 (IPv6 future). Support codecs: OPUS, G711U, G711A, GSM, MP3, WAV.
Amplifier	15W
General	
Material	Metal
Power Supply	PoE or DC 12V
Interface	1* MIC input, 1* Headset output, 1* Speaker output, 2* GPIO Alarm input, 1* GPIO Alarm output, 2* Relay Alarm output
Dimensions	112x105x29mm
Weight	250g
Color	Black

2*30W SIP Network Audio Terminal, Compatible with ONVIF VMS.

Description

The IP paging adapter OVIP-T30 is simple and slim design. It has built-in 30W amplifier, interface of MIC input, speaker output, line input and output. The SIP paging adapter can connect analog speaker and amplifier so as to realize SIP Speaker or SIP intercom function. The paging adapter is compatible with VoIP devices and ONVIF VMS. The SIP paging gateway supports two-way communication, pre-recorded messages, schedule play, GPIO in, HTTP control. It's perfectly suitable for various PA System, for instance, school, retail, commercial centers, etc.



Features

- ▶ Support 48K OPUS Audio Codec
- ▶ SIP & Onvif protocol compatibility
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With volume control
- ▶ Compact in Size and easy to install

Model OVIP-T30

Audio

Decoding OPUS 48 kHz, MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA 8 kHz

Network

Security Password protection, IP address filtering, Digest authentication, User access log

Network Protocol SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP

Network Interface 10/100 Base-TX, RJ45

VoIP

Support SIP protocol for integration with VoIP systems, integrated with SIP/PBX.

Support SIP features: secondary/backend SIP server, IPv4 (IPv6 futhur).

Support codecs: OPUS, G711U, G711A, GSM, MP3, WAV.

Amplifier 2x30W

General

Material Metal

Power Supply DC 12V

Interface 1* MIC input, 2* Speaker output, 1* Line input, 1* Line output

Dimensions 153x100x26mm

Color Black

SIP 8 Inch Touch Screen Microphone

Description

Designed with elegant cast aluminum panel and cold rolled sheet shell, OVIP-M20 IP Paging Microphone converts the input analog audio signal into IP audio stream output, thus can realize remote control and management of terminal equipment. With built-in Android system, the IP network paging station has up to 8G flash storage. The OVIP-M20 has 8 SIP lines for free calls, while Wi-Fi supports more network mode capability. There are also built-in 5W speakers and microphones for easy communication, announcement receiving and monitoring, IP microphone supports RTP multicast paging, point to point and zone paging, and a user-friendly UI that makes contact control easy. OVIP-M20 supports download and upload files via FTP server and USB disk. With two audio in and one audio out, this device provides multi paging solutions. It supports real-time monitoring and speaking while playing music, which can be widely used in VoIP, security, and public address system fields.



Features

- ▶ 8 SIP lines
- ▶ Android system, 8G flash, WiFi
- ▶ RTP multicast paging
- ▶ Real-time monitoring
- ▶ Support FTP server, USB disk music
- ▶ 8-inch touch screen, 1280*800 resolution
- ▶ 2 Audio-in, 1 Audio-out

Model	OVIP-M20
Network Interface	Rj45
Network Protocol	SIP
Codec	OPUS 48 kHz, MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA 8 kHz
WiFi	2.4G WiFi
USB	USB 2.0
Speaker	5W
Audio Interface	2 Audio In, 1 Audio Out, 1 USB, 2 GPIO In, 1 GPIO Out
Volume Rotary Knob	MIC (microphone), MIX (background voice), SPK (speaker), OUT(audio output)
Power Supply	DC 12V 2A
Power Consumption	≤24W
Touch Screen Size	8-inch
Screen Resolution	1280*800
Screen View Angle	178°
Operating System	Android 5.1
Working Temperature	-10°C~45°C
Function	8 SIP Lines, IP Direct Call, RTP Multicast Paging, Real-time Monitoring, FTP Server, USB Disk Music, Easy Contacts Control
Color	Black
Material	Cast Aluminum Panel + Cold Rolled Sheet Shell
Dimensions	284mm x 170mm x 60mm
Weight	1.8 KG
Languages	English

IP Network Wall Speaker, Compatible with ONVIF VMS.**Description**

The Network Wall Speaker is a simple-to-install indoor loudspeaker that provides high intelligible speech for remote speaking in public notification applications. In emergency, OVIP-430 POE 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 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
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ Support Power Over Ethernet (PoE)
- ▶ CE & RoHS Complied
- ▶ Support SIP, ONVIF and VMS compatible with most of the platforms like
- ▶ Milestone, NX and more

Model**OVIP-430 POE**

Rated Power	30W
Power Supply	PoE or DC 12~15V
Network Protocol	SIP, ONVIF
Audio Decoding	MP3, WMA, WAV
Network Interface	10/100Base-TX, RJ45
Speaker Sensitivity	105 dB (Max.)
Frequency Response	80Hz~20KHz
Material	ABS
Product Dimension	295 x 195 x 155 mm



OVIP-615 POE IP Network Ceiling Speaker

Description:

The Network Ceiling Speaker is a simple-to-install indoor loudspeaker that provides high intelligible speech for remote speaking in public notification applications. In emergency, OVIP-615 POE 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 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 fireproof dome
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ Support Power Over Ethernet (PoE)
- ▶ CE & RoHS Complied
- ▶ Support SIP, ONVIF and VMS compatible with most of the platforms like Milestone, NX and more

Ordering Code

OVIP-615 POE: 15W IP Ceiling speaker support onvif protocol, POE power supply

OVIP-615 POE MIC : 15W IP Ceiling speaker support onvif protocol, POE power supply, built-in monitoring microphone

Model	OVIP-615 POE
Rated Power	15W
Power Supply	PoE
Network Protocol	SIP, ONVIF
Audio Decoding	MP3, WMA, WAV
Network Interface	10/100Base-TX, RJ45
Speaker Sensitivity	96 dB (Max.)
Frequency Response	100Hz~18KHz
Material	Metal
Product Dimension	Dia. 200 x 90mm
Package Dimension	680 x 460 x 270mm (12 pcs)
Net Weight	1.40 Kg
Gross Weight	17.00 Kg



OVIP-30POE SIP ONVIF IP Network Horn Speaker

Description:

The Network Horn Speaker is a simple-to-install outdoor loudspeaker that provides clear, long-range speech for remote speaking in public notification applications. In emergency, OVIP-30POE enables an operator to remotely address people and deliver pre-recorded alarm messages which can be manually or automatically triggered via LAN.



Features:

- ▶ Support PoE and comply with IEEE802.3bt (PoE++)
- ▶ 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 at 30W rated power
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ CE & RoHS Complied
- ▶ Support SIP, ONVIF and VMS compatible with most of the platforms like Milestone, NX and more
- ▶ With Built-in SD for recorded voice message
- ▶ Support SIP, ONVIF and VMS compatible with most of the platforms like Milestone, NX and more

Ordering Code

OVIP-30P: Support onvif protocol, IP Network Horn Speaker 30W, with 12VDC Power Supply Technology--NO record SD

OVIP-30POE: Support onvif protocol, IP Network Horn Speaker 30W, with POE ++ Technology and Record SD

OVIP-30POEM: Support onvif protocol, IP Network Horn Speaker 30W, with POE ++ Technology, built-in monitoring microphone, and Record SD

Model

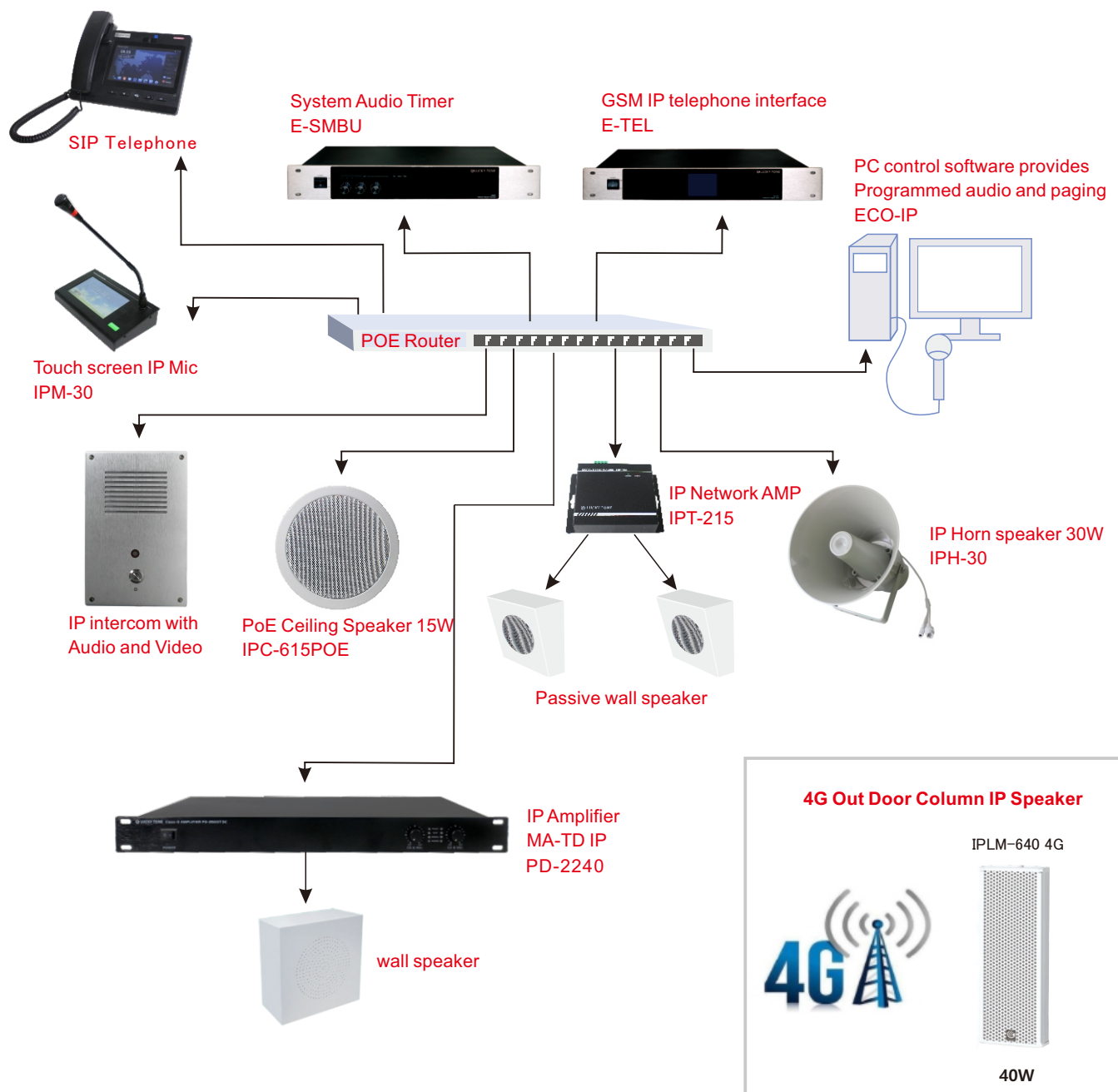
OVIP-30POE

Rated Power	30W
Power Supply	PoE
Network Protocol	SIP, ONVIF
Audio Decoding	MP3, WMA, WAV
Network Interface	10/100Base-TX, RJ45
Speaker Sensitivity	105dB
Frequency Response	350Hz~8KHz
Material	ABS
Product Dimension	285 x 205x 290 mm
Net Weight	2.30 Kg
Gross Weight	2.70Kg



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.

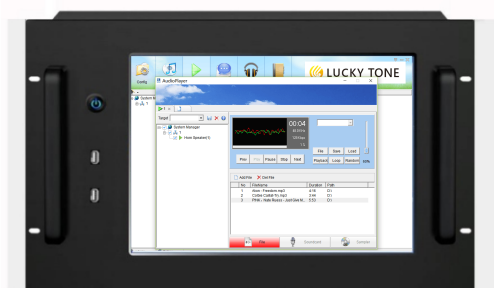




System Manager E-SMR 15/ E-SMR 17

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

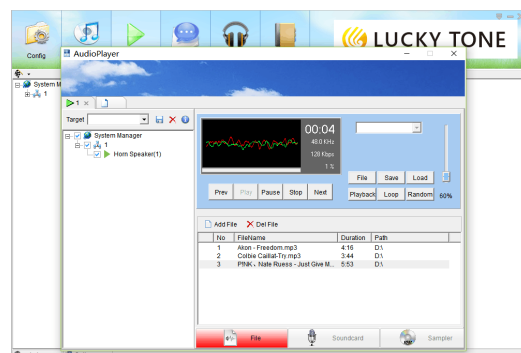
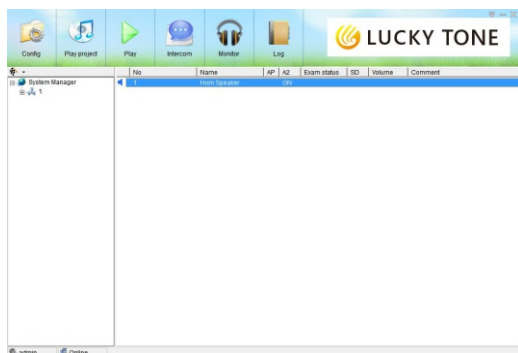


Model	E-SMR 15	E-SMR 17
Screen size	15 inch	17 inch
Screen color	TFT24 bit true color	
Control mode	1024*768 resolution LCD touch screen	
Ambient temperature	5°C-40°C	
Relative humidity	≥ 75%	
Motherboard	New industrial grade Intel industrial mainboard	
Standard interface	1 × LAN network port; 6 × USB; 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 ECO-IP

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)





IP Audio Router E-ADRT4

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 E-RIPE

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



IP Rack mount pre amp E-PreM

Features:

- ▶ Based on ARM + DSP structure and high speed industry chip, reboot time is less than 1 second
- ▶ With 1 aux input and 1 microphone input; and one stereo audio output
- ▶ 1.5U aluminum outlook design
- ▶ Support Mp3, WMA, WAV and etc audio format
- ▶ With a standard RJ45 port supportive of crossing network segment and router, accessible to the system if the Ethernet is available



Model	E-PreM
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/SIP Network Audio Router

Features:

- ▶ Professional IP/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 (without server for SIP)

Standard IP and SIP versions are available



Front



Rear

Model	IP- RT11/SIP- RT11
Network Communication Protocol	IP, ARP, ICMP, DHCP, UDP, DNS, IGMP (SIP for SIP version)
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

IP Wall-mounted Terminal, 2*15&2*30 IP Amplifier

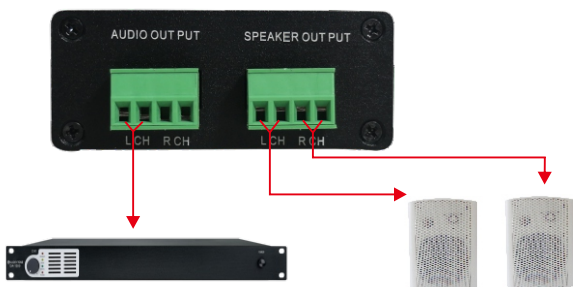
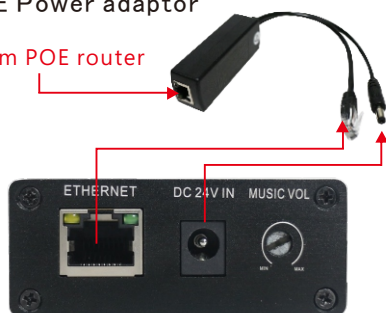
Features:

- ▶ 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

Model with suffix "POE" means power supply from POE; with suffix "S" means SIP version

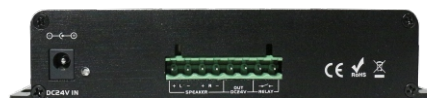
POE Power adaptor

From POE router



If you need bigger power, can link audio output to external booster amplifier

to 2pcs of 8 ohm speaker at 15W



Model	IPT-215POE/IPT-215POES	IPT-230/IPT-230S
Network Communication Protocol	IP, ARP, ICMP, DHCP, UDP, DNS, IGMP (SIP for IPT-215POES)	IP, ARP, ICMP, DHCP, UDP, DNS, IGMP (SIP for IPT-230S)
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 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



IP/SIP Network Paging Microphone with Intercom

Features:

- ▶ Professional IP/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 with prefix "S" means SIP version



Model

IPM-20/SIPM-20 (Button version)

Network Communication Protocol	IP, ARP, ICMP, DHCP, UDP, DNS, IGMP(SIP for SIPM-20)
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

IP/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 with prefix "S" means SIP version



Model	IPM-30T/SIPM-30T
Network Communication Protocol	IP, ARP, ICMP, DHCP, UDP, DNS, IGMP(SIP for SIPM-30T)
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



Desktop Smart Video SIP Phone with Android System

Description:

SIP-T06 provides complete desk phone solutions with flexible functionality, HD Voice Quality, and highly easy operation. It is absolutely an excellent Smart Video Phone for small to large sized business, as well as mission-critical Enterprise Business.

Features:

- ▶ Support 6 SIP lines, 3-way conferencing
- ▶ POE enabled, optional external power supply
- ▶ Support Handset / Hands-free / Headset mode
- ▶ Supports third party communication APP
- ▶ Full Programmable DSS Keys and soft function Keys
- ▶ DSS can support up to 140 Stations
- ▶ Online recording & message forwarding
- ▶ Call conference enhancement
- ▶ Flexible dial plan with auto provision
- ▶ Support LDAP & XML phone book
- ▶ High Interoperability – Compatible with major platforms: 3CX, Asterisk, Broadsoft, Elastix, Zycoo, etc.



Model	SIP-T06
Networking	10/100/1000Mbps Ethernet, dual bridged port for PC bypass
IP Configuration	Static / DHCP / PPPoE
Protocols	SIP2.0 over UDP/TCP/TLS; RTP/RTCP/SRTP; STUN; DHCP; LLDP; PPPoE; 802.1x; L2TP; OpenVPN; SNTP; FTP/TFTP; HTTP/HTTPS; TR-069
Physical Ports	
RJ9 Port x2	Handset x1, Headphone x1
RJ45 Port x2	Network x1, PC x1 (Bridged to Network)
HDMI Port x1	Type A
USB 2.0 Port x2	Mini-B x1, Connect with Flash Driver Standard A x1, Connect with BT USB dongle or Flash Driver
TF card slot x1	TF Card Support Up to 32G
Keypad	5 keys (Headset, Menu, Hands-free, Back, Home)
Screen	7 inch (800x480) capacitance color-screen LCD
Operation System	Android 4.2.2 OS
Video Format	MP4/3GP/FLV
Video CODEC	H.263/H.264
Bandwidth Selection	64kbps~4Mbps
Frame rate Selection	10~30fps
Audio format	WAV/MP3/OGG
Narrowband CODEC	G.711a/u, G.723.1, G.729AB, AMR, iLBC
Wide band CODEC	G.722
Image format	JPEG/PNG/BMP/GIF
Installation	Desktop Stand or Wall-mount
DC Power Input	12V/1A
Power Consumption	Idle 2.5W/Active 5W
Dimensions	Desktop Stand (angles 1): 254.8x154.9x202.8mm Desktop Stand (angles 2): 254.8x167.8x182.4mm Wall-mount: 254.8x118.4x206.9mm
Gift Box Dimensions	290x260x73mm
Outer CTN Dimensions	540x385x310mm (10 PCS)



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



SIP-TLO1 V 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

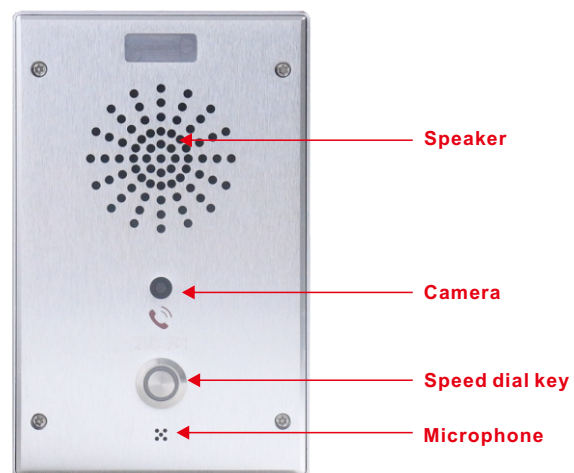
- Sensor: 1/4" color CMOS Pixels: 1 million
- Video encoding: H.264
- Resolution: 720P@30fps
- Minimum illumination: 0.1Lux
- Viewing angle: Diagonal: 84.1° , Level: 71.7° , Vertical: 56.7°

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)



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/ IP 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; with suffix "S" means SIP version

- 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-615 / IPC-615POE

Communication Protocol	TCP/ UDP or SIP (for IPC-615S & IPC-615SPOE)
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

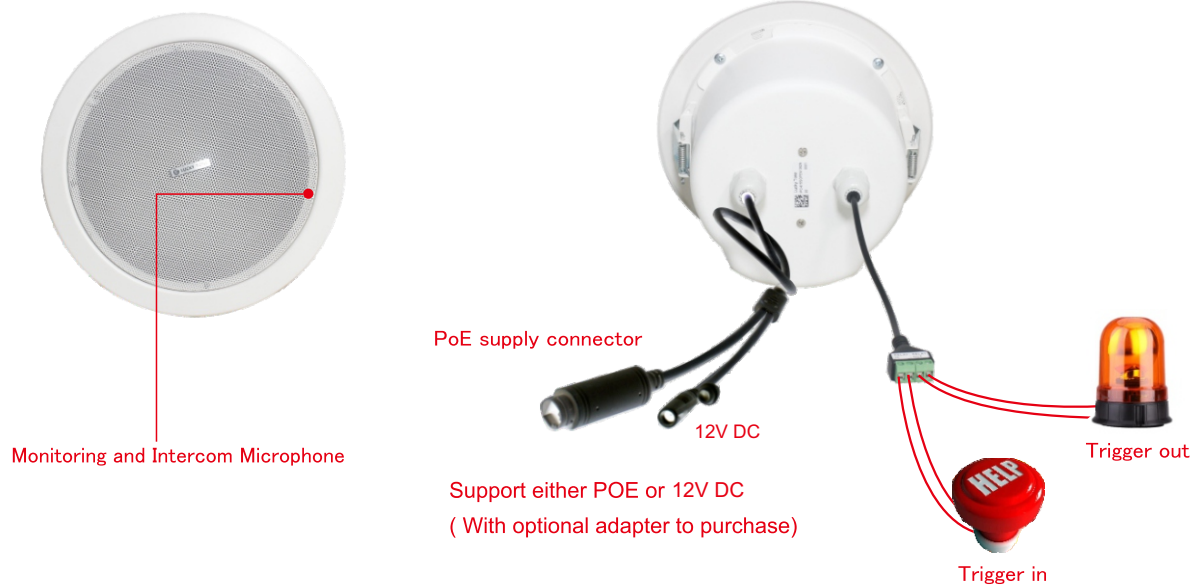


SIP/ IP Ceiling Speaker with Microphone (15W Rated)

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



OVIP-615 POE IP Network Ceiling Speaker

Description:

The Network Ceiling Speaker is a simple-to-install indoor loudspeaker that provides high intelligible speech for remote speaking in public notification applications. In emergency, OVIP-615 POE 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 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 fireproof dome
- ▶ Support MP3, WMA, WAV and more decoding
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance
- ▶ Support Power Over Ethernet (PoE)
- ▶ CE & RoHS Complied
- ▶ Support SIP, ONVIF and VMS compatible with most of the platforms like Milestone, NX and more

Ordering Code

OVIP-615 POE: 15W IP Ceiling speaker support onvif protocol, POE power supply

OVIP-615 POE MIC: 15W IP Ceiling speaker support onvif protocol, POE power supply, built-in monitoring microphone

Model	OVIP-615 POE
Rated Power	15W
Power Supply	PoE
Network Protocol	SIP, ONVIF
Audio Decoding	MP3, WMA, WAV
Network Interface	10/100Base-TX, RJ45
Speaker Sensitivity	96 dB (Max.)
Frequency Response	100Hz~18KHz
Material	Metal
Product Dimension	Dia. 200 x 90mm
Package Dimension	680 x 460 x 270mm (12 pcs)
Net Weight	1.40 Kg
Gross Weight	17.00 Kg



SIP/ IP In/Out Door Wall Speaker (30W Rated)

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; with suffix "S" means SIP version
***IPW-415POE & 415SPOE are 15W rated**



Model	IPW-430/ IPW-430 POE / IPW-415POE
Communication Protocol	TCP/ UDP or SIP (for IPW-430S, IPW-415SPOE)
Network Interface	10/100Base-TX, RJ45
Speaker SPL (MAX)	105dB/105dB/101dB
Decoding	MP3/WMA/WAV
Frequency Range	80Hz~20KHz
Installation	Wall mounted
Enclosure material	ABS
Power Supply	DC 12V/DC 12V or POE
Dimension	295 x 195 x 155 mm



SIP/ IP 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; with suffix "S" means SIP version

IPO Series Oval Horn



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

PoE supply
connector

12V DC

IPH Series round Horn



Rear

12V DC supply
connector

Model	IPH-15 / IPH-15POE; IPO-15/IPO-15POE	IPH-30; IPH-30POE/IPO-30; IPO-30POE
Rated Power	15W	30W
Power Supply	DC12V / PoE	DC12V / PoE
Network Communication Protocol	TCP/UDP or SIP (for IPH-15S & IPH-15SPOE)	TCP/UDP or SIP (for IPH-30S & IPH-30SPOE)
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 Integrated with Dry Contact

Description

IPH-15SPOED is a simple-to-install indoor and 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:

- ▶ Supports integration with 3rd party system via dry contact (e.g. CCTV alarm signal). When receives the signal, the message stored in the server will be triggered.
- ▶ 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 waterproof 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



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



Dry contact signal from IP camera



Alarm In.

PoE supply connector (RJ45)

Model	IPH-15SPOED	IPH-30SPOED
Rated Power	15W	30W
Power Supply	DC 12V or POE	DC12V / 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 x 230 mm	Ø240 x 290 mm

IP Network Horn Speaker Integrated with Local Audio Input

Description

IPH-15POEA is a simple-to-install indoor and 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:

- ▶ Supports local audio input
- ▶ 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 waterproof 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	DC12V / 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 x 230 mm	Ø240 x 290 mm

**IP Network Horn Speaker Explosion proof and Waterproof****Description**

IPE-30S POE is a simple-to-install indoor and outdoor loudspeaker that provides clear, intelligible voice for remote speech and voice alarm in extreme applications which require explosion proof and waterproof. 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 or WAN.

Features:

- ▶ Supports integration with 3rd party system
- ▶ 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 waterproof speaker available at 30W Power
- ▶ Support MP3, WMA, WAV and more decoding;
- ▶ With a standard RJ45 network interface and supports online firmware upgrade from long distance

**Model****IPE-30SPOE**

Rated Power	30W
Power Supply	DC24V / PoE
Network Communication Protocol	TCP/UDP
Audio Decoding	MP3/WMA/WAV
Network Interface	10/100Base-TX, RJ45 Port
Speaker SPL (1W/1M)	105dB
Enclosure Material	ABS
Product Size	Ø250 x 351 mm



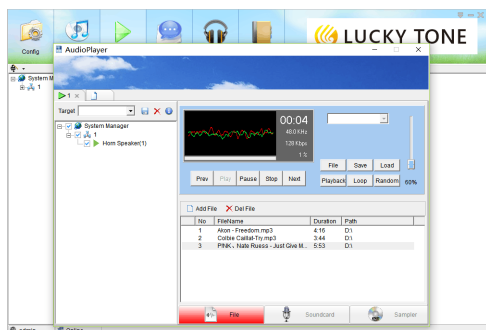
4G Out Door Column IP Speaker

Description

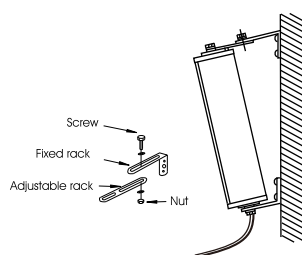
With high efficient Class-D amplifier, and 4G wireless streaming technology professionally designed speaker all integrated in one body, this all-in-one 4g IP speaker allows you to stream the high quality music from your IP devices to it without adding any external amplifier or cabling. It is designed for outdoor, tough environment which require high quality music and speech.

Features:

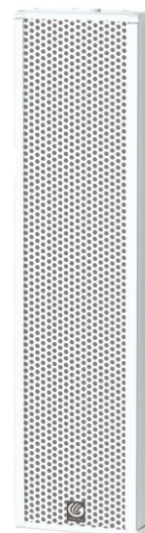
- ▶ Perfectly integrated with Lucky Tone ECO IP System
- ▶ Built-in 16bit DAC Digital Audio Processor
- ▶ Wide range frequency response
- ▶ Built-in high efficiency Class-D Amplifier
- ▶ Heavy duty aluminum body for outdoor



Controlled by:
Lucky Tone ECO software Cloud
version or third party SIP server



IPLM-680 4G



IPLM-640 4G



40W

80W

MODEL	IPLM-640 4G	IPLM-680 4G
Communication Protocool	4G Wireless	4G Wireless
Decoding	MP3/WMA/WAV	MP3/WMA/WAV
Speaker SPL (MAX)	108dB	116dB
Freq. Response	130Hz-16KHz	130Hz-16KHz
Power Supply	220-240VAC	220-240VAC,50/60Hz
Product Size	530x227x125mm	1052x227x125mm
Installation	Wall Mounted	Wall Mounted
Enclosure Material	Aluminum	Aluminum
Weight	5Kg	8.6Kg
Finish	White	White
Speakers	6" x2 Full Range	6" x4 Full Range



Out Door Column IP Speaker

Description

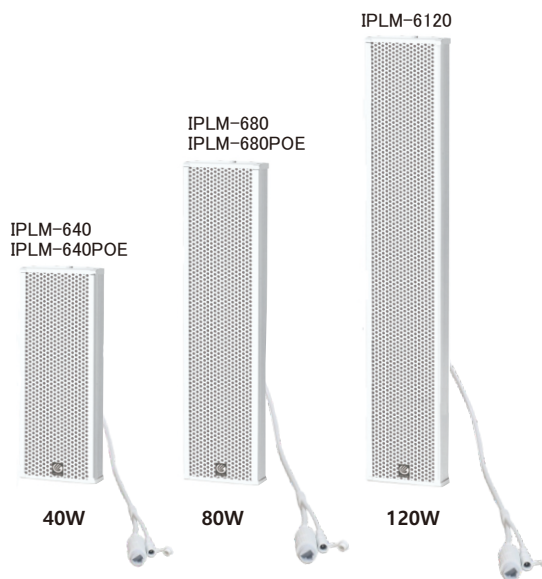
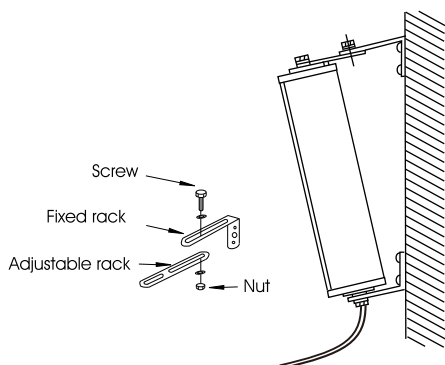
With high efficient Class-D amplifier, and audio signal processor, professionally designed speaker all integrated in one body, this all-in-one IP speaker allows you to stream the high quality music from your IP devices to it without adding any external amplifier. It is designed for outdoor, tough environments which require high quality music and speech.

IP 44 for outdoor use

Features:

- ▶ Adopt latest TCP/IP Technology
- ▶ Built-in 16bit DAC Digital Audio Processor
- ▶ Wide range frequency response
- ▶ Built-in high efficiency class D amplifier
- ▶ Heavy duty aluminum body for outdoor
- ▶ Stereo and mono selection

Model with suffix "POE" means power supply from POE; with suffix "S" means SIP version



MODEL	IPLM-640/IPLM-640POE	IPLM-680/IPLM-680POE	IPLM-6120
Communication Protocol	TCP/ UDP or SIP	TCP/ UDP or SIP	TCP/ UDP or SIP
Network Interface	10/100Base-TX, RJ45	10/100Base-TX, RJ45	10/100Base-TX, RJ45
Decoding	MP3/WMA/WAV	MP3/WMA/WAV	MP3/WMA/WAV
Speaker SPL (MAX)	108dB	116dB	118dB
Freq. Response	130Hz-16KHz	130Hz-16KHz	130Hz-16KHz
Power Supply	24VDC	24VDC	24VDC
Product Size	520x227x125mm	952x227x125mm	1384x227x125mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum
Weight	5Kg	8.6Kg	12.5Kg
Finish	White	White	White
Speakers	6"x2 Full range	6"x4 Full range	6"x6 Full range

Description

With high efficient Class-D amplifier, audio signal processor, Bluetooth receiver, 2.4G wireless microphone and professionally designed speaker all integrated in one body, this all-in-one wall speaker allows you to stream the high quality music from your wired or wireless devices to it without adding any external amplifier. It is designed for class rooms and other small places which require high quality music and speech.

Features:

- ▶ Adopt 4.2 +BR+EDR+BLE Bluetooth technology
- ▶ Built-in 16bit DAC Digital Audio Processor
- ▶ 2.4G Wireless Microphone
- ▶ Built-in high efficiency class D amplifier
- ▶ With RJ45 to connection with wall control panel
- ▶ Stereo and mono selection



Active Rear



Passive Rear



2.4G Mic with PPT Page UP/Down

SPECIFICATIONS

AB-5230 IP

Output Power	2*30W
Impedance	8Ω
SPL (1W/1M)	95dB
Frequency Response	75~18KHz
Input Sensitivity	400MV
SNR	93dB
Input voltage	AC110V-240V, 50Hz/60Hz
Bluetooth Wireless Range	≤10M
Housing Material	ABS, Iron (Grille)
Speaker Size	5" Woofer, 1" Tweeter
Weight	5 Kg
Product Size (Each)	182*242*182mm
Color	White



IP/SIP network hanging sphere loudspeaker

Description

This IP network hanging sphere loudspeaker with a built-in special dispersion cone which gives you a 360° wide dispersion. It allows a loud and wide sound dispersion to be produced with a minimal number of loudspeakers. It is the most cost-effective solution for background music or speech in installations with high ceilings where you need to cover an expansive area (warehouses, supermarkets, industrial buildings, etc.).

Features:

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

Model with suffix "S" means SIP version



Model	HG-820P POE / HG-820P SPOE
Communication Protocol	TCP/ UDP or SIP
Network Interface	10/100Base-TX, RJ45
Decoding	MP3/WMA/WAV
SPL(1W/1M)	92dB
Freq. Response	100Hz-18KHz
Power Supply	POE
Product Size	Dia 255mm
Enclosure Material	ABS
Weight	2.2Kg
Finish	White
Speakers	8" x1 full range

Network Infrared Dome Camera / Network Infrared Camera

Description:

The 2 million high-definition network infrared camera is designed and developed with high sensitivity, high signal-to-noise ratio megapixel CMOS sensor and high-performance multimedia processor. This product is a high-definition and high-performance network infrared camera that integrates video capture, image processing, video transmission, storage and management functions. Thus it is suitable for day and night dual-use products such as safe city, bank, road traffic, five-star hotel, plaza, etc.

Features:

- ▶ Support up to 1920*1080@25fps image display in high resolution and high quality
- ▶ Adopt H.264 video compression technology
- ▶ Support wide dynamic, cross-line, regional intrusion intelligent analysis
- ▶ Support alarm information to notify users by email
- ▶ Built-in Web Server facilitates users to use, standard IE browser achieves real-time monitoring and setting management of the front end
- ▶ Support up to 10 users to browse simultaneously
- ▶ Support for various network protocol standards
- ▶ Support mobile phone monitoring function
- ▶ Support image motion detection and privacy masking
- ▶ Built-in network lightning protection 6000V, power protection design to adapt to different environments



IP-CAM O

IP camera with video analytic software for IP PA system

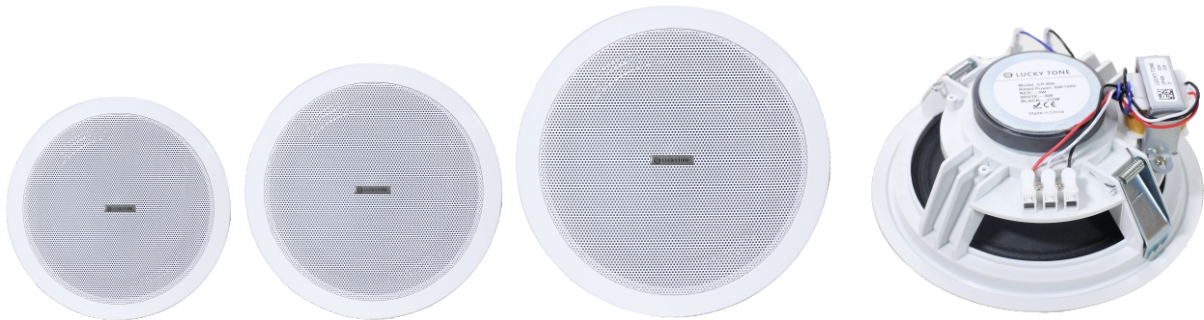


IP-CAM I

	Model	IP-CAM O	IP-CAM I
Camera	Product name	Network Infrared Dome Camera	Network Infrared Camera
	Image sensor	1/2.8" CMOS	
	Min. illumination	0.01Lux@F1.2(Color), 0.001Lux (ICR ON)	
	Shutter	1/25s--1/10000s	
	Camera lens	3.6mm(standard), 6mm, 8mm(optional)	6mm(standard), 4, 8, 12mm(optional)
	Interface type	M12	CS
	Day/night mode	ICR Infrared filter	
	WDR	Support	
Compression	DNR	3D NR	
	Video compression standard	H.264 Base/Main/High Profile	
	Compression output rate	32Kbps-8Mbps, customizable	
	Audio compression standard	G.711/G.726	
Image	Audio compression rate	64Kbps(G.711) 16Kbps(G.726)	
	Max. Image size	1920*1080	
	Frame rate	PAL:25fps, NTSC:30fps (adjustable)	
	Image Settings	Corridor mode, saturation, brightness, contrast, and sharpness are adjustable through the client or browser	
	Backlight compensation	Support	
Network	Region-of-interest	Support	
	Storage	Support Micro SD/SDHC/SDXC card (64G) disconnected local storage	
	Interface protocol	Support ONVIF, GB28181, P2P cross-network cloud service	
	Intelligent alarm	Mobile detection, dynamic detection, video occlusion, full storage, storage error, network disconnection, IP conflict	
Interface	Intelligent behavior analysis	Border detection, area intrusion detection, entry/exit detection	
	Protocol	HTTP,TCP/IP,ICMP,RTCP,RTSP,SMTP,FTP,DHCP,DNS,DDNS,PPPOE	
	General functions	One-key recovery, anti-flashing, heartbeat, mirror, password protection, video masking, watermarking technology, anonymous access,IP address filtering	
	Communication	100M Ethernet interface*1	
	Alarm input/output	1 input, 1 output	
General	Audio input/output	1 input, 1 output	
	Video output	--	
	Power Supply	DC12V2A	
	Power Consumption	<10W	
	Operating temperature and humidity	-20℃--+65℃, 10%--90%	
	Ingress Protection	IP66	
	IR Distance	10-20m	20-40m
	Dimension	120*95mm	188.2*100.06*85.73mm
	Net weight	0.78kg	0.7kg
	Other	*Additional DC12V 2A power supply is required	

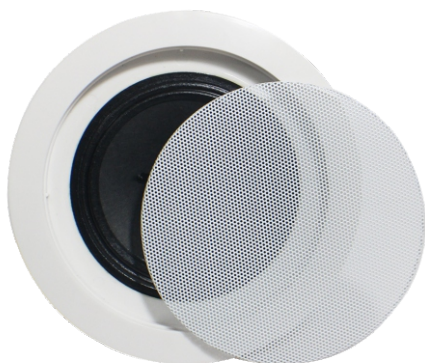


- Fast installation range of speaker
- Full range yet high quality music and speech reproduction



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	Dia 175x60mm(H)	Dia 185x75mm(H)	Dia 230x90mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	0.5Kg	0.7Kg	1Kg
Finish	White	White	White
Speakers	5"x1 full range	6"x1 full range	8"x1 full range

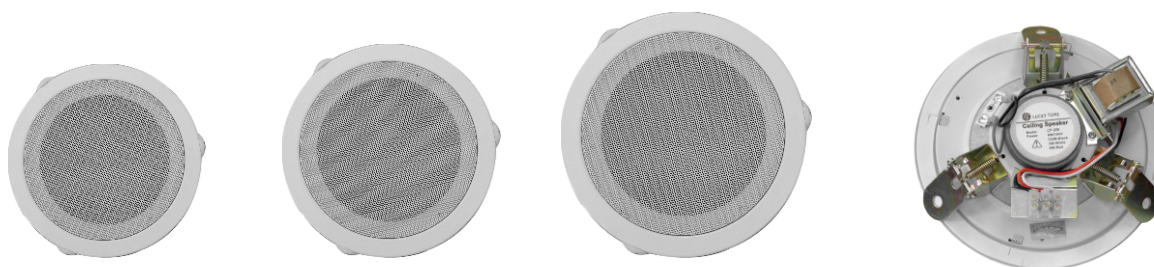
4.5 inch Ceiling speaker



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

T means with Tweeter


MODEL	CM-506T	CM-610T
Power at 100V	3W	6W
Power at 70V	1.5W	3W
SPL(1W/1M)	91dB	92dB
Max SPL@ 1M	98dB	101 dB
Freq. Response	100Hz-13KHz	100Hz-17KHz
Cutout Size	Dia 175mm	Dia 220mm
Product Size	Dia 200x65mm(H)	Dia 245x69mm(H)
Installation	Inceiling	Inceiling
Enclosure Material	Metal	Metal
Weight	0.75Kg	1Kg
Finish	White	White
Speakers	1" x1 (TREBLE) 5"x1(BASS)	1" x1 (TREBLE) 6"x1(BASS)



MODEL	CM-406M	CM-506M	CM-606M
Power at 100V	3W	3W	6W
Power at 70V	1.5W	1.5W	3W
SPL(1W/1M)	91dB	91dB	91dB
Max SPL@ 1M	98dB	98dB	98dB
Freq. Response	100Hz-13KHz	100Hz-13KHz	100Hz-17KHz
Cutout Size	Dia 155mm	Dia 175mm	Dia 220mm
Product Size	Dia 180x50mm(H)	Dia 200x65mm(H)	Dia 245x69mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	Metal	Metal	Metal
Weight	0.65Kg	0.7Kg	0.95Kg
Finish	White	White	White
Speakers	4.5" x1 full range	5.5" x1 full range	6.5" x1 full range

3 inch ABS 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 in 100	3W
Rated Power in 70	1.5W
Sensitivity	89Db $\pm$ 2 (1w/1M)
Max SPL	93Db
Speaker impedance	8 Ω
Frequency range	100Hz-16KHz
1000Hz Dispersion angel	130 degree
Size	Φ 120X80MM
Hole cut size	Φ 100MM
Material	ABS
Color	White
Installation	In ceiling

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

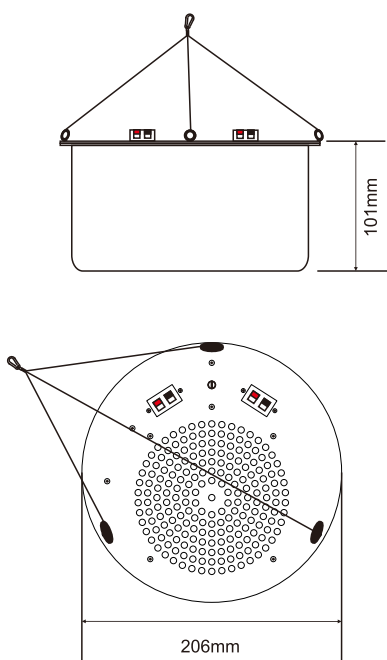
ABS

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

- 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
Finish	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

Rimless Ceiling speaker CP-506LMT/CP-606LMT/CP-810LMT

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



MODEL	CP-506LMT	CP-606LMT	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
Finish	White	White	White
Speakers	5"x1 full range	6"x1 full range	8"x1 full range

Super Mini 8W Fast Mount Plastic Ceiling Speaker

- ▶ ABS Ceiling speaker
- ▶ Mini size yet powerful sound
- ▶ With 8W transformer
- ▶ Good for PA and BGM

T means with transformer



MODEL	CP-208LD	CP-208LDT
Power at 100V	8W@8ohm	8W
Power at 70V	/	4W
SPL(1W/1M)	91dB	91dB
Max SPL@ 1M	98dB	98dB
Freq. Response	130Hz-16KHz	130Hz-16KHz
Cutout Size	Dia 90mm	Dia 90mm
Product Size	Dia 100mm	Dia 100mm
Installation	In celing	In celing
Enclosure Material	ABS	ABS
Weight	0.4Kg	0.4Kg
Finish	White	White
Speakers	2.5 " x1 full range	2.5 " x1 full range

High Performance 2-way ceiling speaker

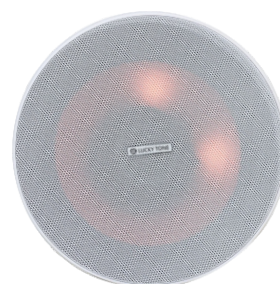
CR-620LT/ CR-620L

- ▶ 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

- ▶ 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
Power at 100V	15W /7.5W	/	15W /7.5W	/
Recommended Amplifier Power	/	15W to 125W	/	15W to 125W
Power Peak	60W at 8 ohm	60W at 8 ohm	60W at 8 ohm	60W at 8 ohm
SPL(1W/1M)	89dB	89dB	89dB	89dB
Max SPL@ 1M	101dB	101dB	101dB	101dB
Freq. Response	65Hz~20KHz	65Hz~20KHz	65Hz~20KHz	65Hz~20KHz
Cutout Size	Dia 170	Dia 170	Dia 170	Dia 170
Installation	Inceiling	Inceiling	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1.0KG	0.8KG	1.0KG	0.8KG
Finish	White	White	White	White
Product Size	Dia186.5x95mm(H)	Dia186.5x85mm(H)	Dia 187x87mm(H)	Dia 187x80mm(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)

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
Product Size	Dia 205x146mm(H)	Dia 235x160mm (H)	Dia 281x180mm (H)
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
Finish	White	White	White
Speakers	5" coaxial	6" coaxial	8" coaxial



High Performance 2 way speaker with crossover

Features:

- ▶ 2-way ABS in ceiling speaker at high performance
- ▶ With kevlar driver and 2 tweeters
- ▶ With crossover to produce clear yet powerful sound
- ▶ Good for high demand audio environment



MODEL	CP-650L
Output Power	50W
SPL (1W/1M)	89dB
Frequency Range	60hz to 20khz
LF	6.5 inch glass fiber cone, rubber edge
HF	20vc silk dome*2pcs
Enclosure Material	ABS
Impedance	16 ohm
Size	dia 235mm*160mm
hole cut size	205mm
Weight	1.9kg
Finish	White

High Performance 2 way speaker with crossover

Features:

- ▶ 2-way ABS in ceiling speaker at high performance
- ▶ With 2 tweeters
- ▶ With crossover to produce clear yet powerful sound
- ▶ Good for high demand audio environment



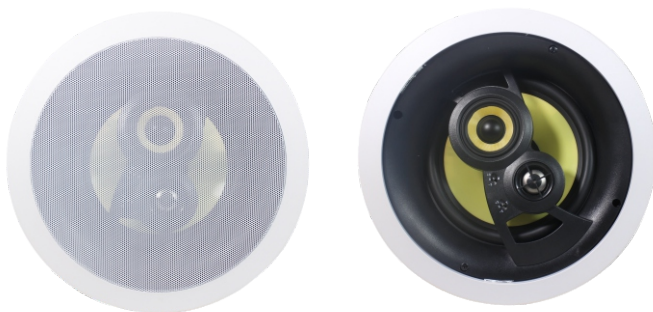
MODEL	CP-880L
Program Power	80W
SPL (1W/1M)	87dB
Frequency Range	60hz to 20khz
LF	8 inch poly Cone, rubber surround
HF	25inch silk soft dome*2
Connector	Standard pressed
Enclosure Material	ABS
Impedance	8 ohm
Size	dia 280mm*200mm
hole cut size	248mm
Weight	2.6kg
Finish	White



High Performance 3 way speaker;with crossover

Features:

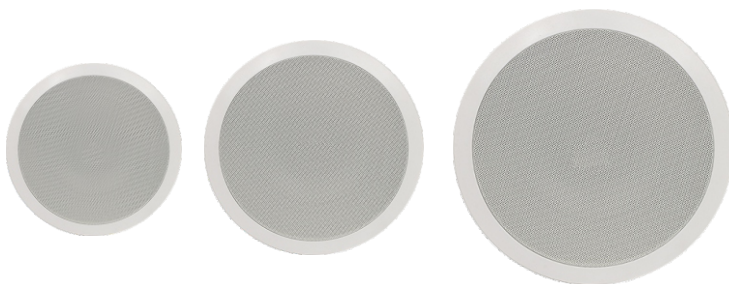
- ▶ 3-way ABS in ceiling speaker at high performance
- ▶ With kevlar driver
- ▶ With crossover to produce clear yet powerful sound
- ▶ Good for high music demand applications



MODEL	CP-8100L
Output Power	100W
SPL (1W/1M)	90dB
Frequency Range	40hz to 20khz
LF	8 inch Graphite Cone, rubber edge
MF	3 inch glass fiber cone, PU edge
HF	1 inch Titanium dome
Enclosure Material	ABS
Impedance	8 ohm
Size	dia 294mm*162mm
hole cut size	255mm
Finish	White

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.

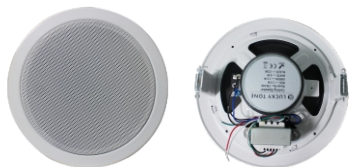


MODEL	CP-521T;CP-521TH	CP-621T;CP-621TH	CP-821T;CP-821TH
Power at 100V	20W;20W/10W/5W/8 ohm	30W;30W/15W/7.5W/8 ohm	40W;40W/20W/10W/8 ohm
Power at 70V	10W; 10W/5W/2.5W/8 ohm	15W; 15W/7.5W/3.8W/8 ohm	20W; 20W/10W/5W/8 ohm
SPL(1W/1M)	88dB	88dB	88dB
Max SPL@ 1M	101dB	102dB	103dB
Freq. Response	100Hz-20KHz	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
Finish	White	White	White
Speakers	1" x1 (TREBLE) 5.25"x1(BASS)	1" x1 (TREBLE) 6"x1(BASS)	1" x1 (TREBLE) 8"x1(BASS)



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	Dia200	Dia 200x90mm(H)	Dia 200x90mm(H)
Installation	Inceiling	Inceiling	Inceiling
Enclosure Material	Metal	Metal	Metal
Weight	0.7Kg	0.95Kg	1.1Kg
Finish	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	91dB
Max SPL@ 1M	91dB	91dB	98dB
Freq. Response	120-20kHz	130-16kHz	130-16kHz
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
Finish	White	White	White
Speakers	2.5 " x1 full range	2.5 " x1 full range	2.5 " x1 full range



CP-510F

- ▶ Ceiling mounted speaker
- ▶ Suitable for the application without false ceiling
- ▶ With 10W transformer



CP-420

- ▶ ABS Ceiling speaker
- ▶ Water and corrosion proof for outdoor and marine
- ▶ IP 44 Rating



CP-525

- ▶ ABS Ceiling speaker
- ▶ Water and corrosion proof for outdoor and marine
- ▶ IP 44 rating



MODEL	CP-510F	CP-420	CP-525
Power at 100V	5/10W	20W at 8ohm	25W at 8ohm
Power at 70V	2.5/5W	NA	NA
SPL(1W/1M)	90dB	88dB	90dB
Max SPL@ 1M	99dB	101dB	103dB
Freq. Response	120Hz-15KHz	155Hz-20KHz	100Hz-20KHz
Cutout Size	N/A	Dia 105mm	Dia 122mm
Product Size	Dia 215mm	Dia 141mm	Dia 165mm
Installation	Ceiling surface mount	Inceiling	Inceiling
Enclosure Material	ABS	ABS	ABS
Weight	1Kg	0.5Kg	0.7Kg
Finish	White	White	White
Speakers	5" x1 full range	1" x1 (TREBLE) 4"x1(BASS)	1" x1 (TREBLE) 5"x1(BASS)

HG-510P

- ▶ Pendant speaker for the application without a false ceiling
- ▶ Stylish and powerful
- ▶ With 10W transformer



HG-510PE

- ▶ Spherical loudspeaker
- ▶ Omnidirectional speaker cover 90 degree angel
- ▶ With 10W transformer



HG-660P

- ▶ Fashion design
- ▶ Wide dispersion angle loud speaker to cover large area
- ▶ With 60W transformer



MODEL	HG-510P	HG-510PE	HG-660P
Power at 100V	2.5/5/10W	5/10W	7.5/10/15/30W/60W
Power at 70V	1.25/2.5/5W	2.5/5W	3.8/5/7.5/15/30W
SPL(1W/1M)	92dB	90dB	90dB
Max SPL@ 1M	102dB	101dB	106dB
Freq. Response	150Hz-15KHz	100Hz-15KHz	100Hz-18KHz
Dispersion Angel	180x90 degree	160x90 degree	180x360 degree
Product Size	Dia 180mm	Dia 135x205mm	Dia 378mm
Installation	Hang	Hang	Hang
Enclosure Material	ABS	ABS	ABS
Weight	1.4Kg	1.1Kg	2.8Kg
Finish	White	White	White
Speakers	5" x1 full range	5" x1 full range	6" two way speaker

LT-8.1SUB 8 inch subwoofer ceiling speaker
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-8.1SUB subwoofer ceiling speaker to you.

The LT-8.1SUB 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



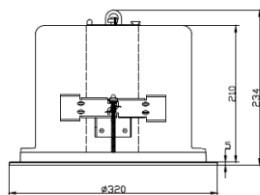
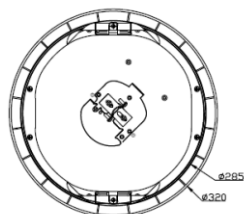
Model	LT-8.1SUB
Design	Subwoofer
Woofer	8 inch
Input Impedance	8 Ω
Power Handling RMS	50W
Programme Watts	100W
SPL 1W/1M (dB)	90dB
Max SPL@1M	101dB
Frequency Response(-3dB)	50Hz-200Hz
Dispersion	Omni
Ceiling Thickness	10-35mm
Hole Cutout Φ	Φ 250mm
Dimension	Φ 280 x 192mm
Weight	4kg
Connector	Spring loaded terminal
Tapping	100V/OFF/8 Ω
Colour	White RAL9003
Input Voltage	8 Ω /100V 200 Ω 50W
Speaker Cables	Minimum Diameter 2.5mm ²



LT-8.2SUB 8" Ceiling subwoofer 100V

Description

Subwoofer 80W with 100 line and Low Z 8ohm switch,rimless and heavy dutymetal dome



Model	LT-8.2SUB
Power at 100V	5/10/20/40/80W, 80W@ 8 ohm
Power at 70V	2.5/5/10/20/40W, 80W@ 8 ohm
SPL(1W/1M)	91dB
Max SPL@ 1M	110dB
Freq. Response	50-250Hz
Cutout Size	Dia 320 mm
Product Size	Dia 320* 248mm
Installation	In ceiling
Enclosure Material	ABS front and metal dome
Weight	5.5 kg
Finish	White
Speakers	8 inch

LT-8.3SUB 8" Smart Home & Hotel Ceiling Sub

Accessory: BOX 8.3

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



Description

Subwoofer 150W at 4 Ohm for smart home and hotels

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
Finish	White grille with back body
Speakers	8 inch



LT-10.1 10" 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
Finish	White front with black dome
Speakers	10 inch

LT-10.2 10" Wide Frequency Ceiling Speaker

Features:

- ▶ High power excursion ceiling speaker at 240W with overload protection
- ▶ Built-in transformer for 100V line, 70V line or 8 ohm input with multi tapping selector in the front
- ▶ Heavy steel metal enclosure fire dome
- ▶ Designed for easy installation and maintenance
- ▶ With super wide frequency from 45Hz to 20Khz good for speech and music reproduction.



Description

This extra wide frequency ceiling speaker equipped with 100V line transformer and can handle up to 240W of RMS power for low impedance at 8 ohm, and it handles a very wider frequency from 45Hz to 20Khz, which is truly good for both speech and music applications

Model	LT-10.2
Power at 100V	120/60/30W, 240W@ 8 ohm
Power at 70V	60/30/15W, 240W@ 8 ohm
SPL(1W/1M)	92dB
Max SPL@ 1M	112dB
Freq. Response	45-20Khz
Cutout Size	Dia 330 mm
Product Size	Dia 360* 330mm
Installation	In ceiling
Enclosure Material	ABS front and metal dome
Weight	9 kg
Finish	White front with black dome
Speakers	10 inch bass



WP-640F

- ▶ ABS wall mount speaker
- ▶ Elegant outlook
- ▶ With 40W transformer
- ▶ Good for PA and BGM



WP-530F

- ▶ ABS speaker
- ▶ Stylish with powerful sound
- ▶ With 30W transformer
- ▶ Good for PA and BGM



WP-420F

- ▶ Stylish in design with powerful sound
- ▶ Suitable for various applications

Black and white color available



MODEL	WP-640F	WP-530F	WP-420F
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
Finish	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 Speaker

Features:

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



WP-420B



WP-540W



WP-660W



WP-880W



Rear



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
Finish	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)

IP66 Waterproof outdoor Wall Mount Speaker
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 5 inch, 6 inch and 8 inch
- ▶ Quick installation with water-proof brackets
- ▶ Fashionable appearance with high quality sound

Model	WIP-540R	WIP-660R	WIP-880R
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	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
Finish	White/Black	White/Black	White/Black
Speakers	5" woofer, 1" tweeter	6.5" woofer, 1" tweeter	8" woofer, 1" tweeter



IP66 Waterproof outdoor Wall Mount Speaker



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.

Default black color, white color optional.



Features:

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

Model	WIP 440	WIP 660	WIP 880
Power at 100V	3.75W/7.5W/15W/30W, 40W@8ohm	5W/10W/20W/40W, 60W@8ohm	6.25W/12.5W/25W/50W, 80W@8ohm
Power at 70V	1.875W/3.75W/7.5W/15W, 40W@8ohm	2.5W/5W/10W/20W, 60W@8ohm	3.125W/6.25W/12.5W/25W, 80W@8ohm
Max SPL@ 1M	101dB	105dB	107dB
Freq. Response	75Hz-20KHz	57Hz-20KHz	56Hz-20KHz
Dispersion Angel	90x80 degree	90x80 degree	90x80 degree
Product Size	230x155x148mm	285x195x180mm	360x245x230mm
Installation	Wall mount	Wall mount	Wall mount
Enclosure Material	ABS	ABS	ABS
Weight	2.56kg	3.28kg	4kg
Finish	White/Black	White/Black	White/Black
Speakers	4.5" woofer, 1" tweeter	6.5" woofer, 1" tweeter	8" woofer, 1" tweeter

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" weatherproof woofer and 1" silk tweeter 2-way speaker system
- ▶ ABS enclosure, stainless metal grille & stainless mounting bracket
- ▶ 70V/100V speaker with power tapping or as a low impedance 8 Ohm speaker
- ▶ Supplied with 360° rotatable bracket for horizontal and vertical installation angle adjustment
- ▶ Black and white color optional



Model	WTP-660W /WTP-660B	WTP-430W/WTP-430B
Power Taps	10/20/40W/OFF	5/10/20W/OFF
Power at 8ohm	60W	30W
SPL@ 1M	94±3dB	89±2dB
Max SPL@ 1M	112dB	104dB
Freq. Response	65-20KHz	100-20KHz
Dispersion Angel	Vertical: 180° and Horizontal: 180° (1KHz)	
Product Size	280 × 150 × 180mm	240 × 140 × 120mm
Installation	Wall Mount	
Enclosure Material	ABS enclosure, stainless metal grille & stainless mounting bracket	
Weight	3.5kg	1.6kg
Finish	White /Black	
Speaker	6.5" weatherproof woofer and 1" silk tweeter	4.25" weatherproof woofer and 1" silk tweeter



Water-proof Bluetooth Wall Speaker

Description:

With high efficient Class-D amplifier, audio signal processor, Bluetooth receiver and professionally designed speaker all integrated in one body, our Bluetooth wall speaker allows you to stream the high quality music from your cellphone, tablet or laptop wirelessly via Bluetooth connection, without adding any external amplifier.

Features:

- ▶ Built with TWS Bluetooth 5.1 wireless technology
- ▶ Water-proof design for outdoor application
- ▶ Built-in high efficiency class D amplifier
- ▶ Adopt high quality speaker drivers
- ▶ Designed for fast installation and easy operation



24VDC Adapter
with waterproof connection



Model	TWS-660W/B	TWS-430W/B
Output Power	2*30W	2*20W
Impedance	8 Ω	8 Ω
SNR	93dB	95dB
Input voltage of the power adapter	AC110V-240V, 50Hz/60Hz	AC110V-240V, 50Hz/60Hz
Bluetooth Wireless Range	> 10M	> 10M
Max SPL@ 1M	112dB	104dB
Freq. Response	65-20KHz	100-20KHz
Dispersion Angel	Vertical: 180° and Horizontal: 180° (1KHz)	
Product Size	280 × 150 × 180mm	240 × 140 × 120mm
Installation	Wall Mount	Wall Mount
Enclosure Material	ABS enclosure, stainless metal grille & stainless mounting bracket	
Weight	3.5kg	1.6kg
Finish	White /Black	White /Black
Speaker	6.5" weatherproof woofer and 1" silk tweeter	4.25" weatherproof woofer and 1" silk tweeter



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
Finish	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-560L

- ▶ Low impedance wall speaker
- ▶ Fashionable outlook
- ▶ Good for high quality sound
- ▶ Requirement place



MODEL	WP-506S	WP-420C	WP-560L
Power at 100V	3/6W	20W	60W at 4 ohm
Power at 70V	1.5/3W	10W	NA
SPL(1W/1M)	91dB	91dB	82dB
Max SPL@ 1M	98dB	104dB	99dB
Freq. Response	150Hz-15KHz	55Hz-18KHz	75Hz-16KHz
Dispersion Angel	180x180 degree	NA	170x90 degree
Product Size	175x220x100mm	215x155x129mm	340x140x230mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS	ABS
Weight	0.8Kg	1.5Kg	4Kg
Finish	White	White/Black	White
Speakers	5" x1 full range	1.5 " x1 (TREBLE) 4"x1(BASS)	2.5" x2 (TREBLE) 5.25"x1(BASS)



Plastic wall mount speaker 100V 10W

Features:

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

SPECIFICATIONS	WP-106T
Power at 100V	3/6/10W
Power at 70V	1.5/3/6W
SPL(1W/1M)	92dB
Max SPL@ 1M	99dB
Freq. Response	160-18KHz
Product Size	280 × 380 × 110mm
Installation	Wall mount
Enclosure Material	ABS
Weight	1.75kg
Finish	White shell and grey mesh
Speakers	6.5 " × 1 woofer , 2 " × 1 tweeter



Wooden wall speaker WP-606WEN



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

SPECIFICATIONS	WP-606WEN
Power at 100V	0.75W/1.5W/3W/6W
Power at 70V	0.37/0.75W/1.5W/3W
SPL(1W/1M)	91dB
Max SPL@ 1M	101dB
Freq. Response	133Hz-18KHz
Dispersion Angel	180°180degree
Product Size	dia255*196*84
Installation	wall
Enclosure Material	wood
Weight	1.7KG
Finish	White
Speakers	6"*1 full range

Wall Mount Speaker

Features:

- ▶ ABS wall mount speaker
- ▶ Elegant outlook
- ▶ With 6W transformer
- ▶ Good for PA and BGM
- ▶ Waterproof for outdoor application



IP65

Model

LT-116

Power at 100V	3W/6W
Power at 70V	1.5W/3W
Sensitivity(1M/1W)	91dB
Max SPL@ 1M	96dB
Freq. Response	140Hz-14KHz
Installation	Wall mounted
Enclosure Material	ABS
Weight	3kg
Finish	White
Speaker driver	4.5" woofer × 1



100V line 10W full range



100V line 15W dual driver



Full range active with presentation microphone in pair 2*15W



Dual driver active with IP/SIP Connection in pair 2*25W



Ordering code:

- WW-104**
10W passive speaker at 100V line, 4.5 inch full range driver
- WW-105T**
15W passive speaker at 100V line, 5.25 inch bass and 1 inch treble driver
- WW-104A**
2*15W speaker in pair; 110-240VAC power supply
- WW-104A UHF**
2*15W speaker in pair; 110-240VAC power supply with one head worn UHF mic
- WW-104A IP**
2*15W speaker in pair; 110-240VAC power supply with IP net
- WW-104A SIP**
2*15W speaker in pair; 110-240VAC power supply with SIP net
- WW-105TA**
2*25W speaker in pair; 110-240VAC power supply
- WW-105TA UHF**
2*25W speaker in pair; 110-240VAC power supply with one head worn UHF mic
- WW-105TA IP**
2*25W speaker in pair; 110-240VAC power supply with IP net
- WW-105TA SIP**
2*25W speaker in pair; 110-240VAC power supply with SIP net

Notes: IP, SIP version can add the wireless presentation microphone also, please consult with our team before purchase

Features:

- ▶ The cabinet is made of high-quality fiberboard and birch cold-pressed leather, which eliminates the resonance sound of the cabinet and is suitable for indoor use;
- ▶ Producing clear, bright and thorough sound;
- ▶ Elegant outlook
- ▶ Input voltage 70V / 100V optional

SPECIFICATIONS	WW-104	WW-105T
Power at 100V	10W	15W
Power at 70V	5W	7.5W
SPL(1W/1M)	92dB	92dB
Max SPL@ 1M	99dB	100dB
Freq. Response	90-18KHz	80-19KHz
Product Size	205 × 302 × 115mm	205 × 302 × 115mm
Installation	Wall mount	Wall mount
Enclosure Material	wood	wood
Weight	2kg	2.1kg
Finish	Black	Black
Speakers	4.5" × 1 woofer	5.25" × 1 woofer, 1" × 1 Tweeter



Spherical Speaker

Description:

The ET-88T is a professional 8 inch 50W Speaker, offering extremely high performance. It is ideal for applications such as shopping mall, hotel, station, etc.

Features:

- ▶ With fashionable and novel appearance
- ▶ Standing, hanging or wall-mounting with a flexible design
- ▶ Rigid woofer material
- ▶ With 50W transformer
- ▶ Good for PA and BGM



Hanging



Wall mount



Public address loudspeakers are always traditional? Look too dull to you? Lucky Tone will bring you colorful ones in this hot summer

Model	ET-88T
Type	Full range driver
Power at 100V	50W/25W/12.5W
Power at 70V	25W/12.5W/6.25W
LF Driver	1x8"
Frequency Response	56 Hz – 22 kHz
Weight	7.5kg
Color	Available for black, yellow, red and sandewood color

5 Inch Pendant speaker

Description:

The LT-430 is a pendant speaker designed for ceiling suspension installations. Considered in architectural design, it can blend in with lighting equipment. A directly-attached 5 m cable allows the speaker to be suspended from the high ceiling. LT-430 is driven on both high-impedance (100 V and 70 V) and low-impedance (8 Ohm) lines. The input power (impedance) can be easily changed at the upper side of the speaker. The speaker is easy to repaint so as to meet a wide range of design needs.

Features:

- ▶ Ideally suited for BGM and announcements
- ▶ Stylish and outstanding design inspired by the finest lighting fixtures
- ▶ Excellent sound quality
- ▶ Sturdy cable extendable up to 5 meters
- ▶ Input impedance easily changeable
- ▶ Bass-reflex type
- ▶ Black Color optional



Model	LT-430
Rated Power	30W (100V, 70V line, 8 Ω)
Power Tapping	5W/10W/15W/20W/30W@100V/70V, 30W@8 Ω
Rated impedance	8 Ω
Frequency response	70 Hz – 20 kHz
Sensitivity (1 W, 1 m)	91 dB (500 Hz – 5 kHz, pink noise)
Speaker component	5" bass + balanced-dome tweeter
Finish	HIPS resin, off-white (RAL 9010 or equivalent)
Dimensions	185 x 250 mm ($\varnothing$ x H)
Weight	2.1 kg

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



HGS BRC

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
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
Certifications	IP66	IP66	IP66	IP66
Material	PP	PP	PP	PP



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



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



Hang and Wall speaker



HWS BRC



HGS BRC

Wall mount and ground mount bracket for HW series

Features:

- ▶ Stylish and powerful
- ▶ Unidirectional loudspeaker over 90 degree angle
- ▶ With a 20W/30W/40W transformer
- ▶ With a band switch to adjust the power

Black, white, and orange color available



MODEL	HW-430P	HW-540P	HW-660P
Power at 100V	2.5/5W/10W/20W/8Ω	3.7/7.5W/15W/30W/8Ω	5/10W/20W/40W/8Ω
Power at 70V	1.25/2.5W/5W/10W/8Ω	1.9/3.75W/7.5W/15W/8Ω	2.5/5W/10W/20W/8Ω
SPL 1W/1M	89dB	90dB	91dB
Max. SPL	105dB	106dB	108dB
Frequency Response	120Hz-20KHz	110Hz-20KHz	80Hz-20KHz
Dispersion Angle	170*90 degree	170*90 degree	180*90 degree
Enclosure Material	ABS	ABS	ABS
Installation	Hang & Wall mount	Hang & Wall mount	Hang & Wall mount
Weight	1.6KG	2.3KG	2.8KG
Finish	White Standard, black and other color optional	White Standard, black and other color optional	White Standard, black and other color optional
Speakers	4" *1 woofer 1" *1 tweeter	5" *1 woofer 1" *1 tweeter	6" *1 woofer 1" *1 tweeter

High performance 3 inch waterproof speaker for outdoor



IP66

Features:

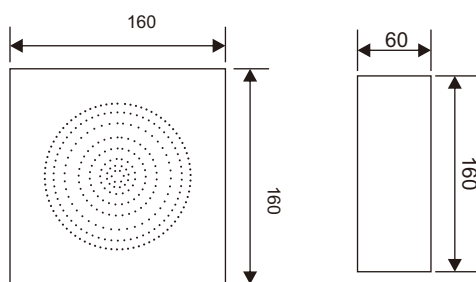
- ▶ ABS mini wall speaker at high performance
- ▶ Fashionable outlook
- ▶ With 100V line transformer
- ▶ Good for PA and BGM
- ▶ Waterproof for outdoor use



SPECIFICATIONS	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
Finish	Black standard,white optional	Black standard,white optional
Speakers	3" paper cone, foam cotton surround	3" paper cone, foam cotton surround

Vandal proof wall mount speaker
WM-506VP

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



SPECIFICATIONS	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"
Finished color	Grey
Character	Non-flammable
Unit weight	1.4kg
Speaker	
Voice coil size	PSV 14.28*0.1*2 player
DC impedance	7.3 Ω
Former	Paper
Magnet	Ferrite(106g) Dia 55*24*10(Y30)
Basket	Iron
Cone material	Paper
Spider	Cloth
Dust cap	Paper
Net weight	220g



In-wall Speaker

Features:

- In wall mount speaker at stylist design with Excellent frequency response
- 70-100V transformer input, and hi-fi amplification
- The speaker is suitable for both background music and paging.



MODEL	WP-520Q	WP-630Q	WP-840Q
Power at 100V	5/10/20W	10/15/30W	10/20/40W
Power at 70V	2.5/5/10	2.5/5/15	5/10/20
SPL(1W/1M)	89dB	89dB	89dB
Max SPL@ 1M	102dB	104dB	106dB
Freq. Response	90Hz-18KHz	80Hz-20KHz	80Hz-20KHz
Dispersion Angel	90 degree	90 degree	90 degree
Product Size	190x190x80mm	220x220x90mm	255x255x180mm
Installation	In Wall	In Wall	In Wall
Enclosure Material	ABS	ABS	ABS
Weight	1.2Kg	1.86Kg	2.2Kg
Finish	White	White	White
Speakers	5.25" coaxial	6.25" coaxial	8" coaxial

In-wall Speaker

Features:

- In wall mount speaker at stylist design with Excellent frequency response
- 70-100V transformer input, and hi-fi amplification
- The speaker is suitable for both background music and paging.



MODEL	WP-410L	WP-520L	WP-630L	WP-840L
Power at 100V	10W	20W	30W	40W
Power at 70V	5W	10W	15W	20W
SPL(1W/1M)	88dB	88dB	88dB	88dB
Max SPL@ 1M	97dB	100dB	102dB	104dB
Freq. Response	100Hz-20KHz	90Hz-20KHz	90Hz-20KHz	90Hz-20KHz
Hole cut Size	195x120mm	250x160mm	275x190mm	325x220mm
Product Size	220x150x70mm	280x192x75mm	310x223x85mm	360x256x100mm
Installation	In wall mounted	In wall mounted	In wall mounted	In wall mounted
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1.3Kg	1.5Kg	2Kg	2.7Kg
Finish	White	White	White	White
Speakers	4" bass, 1" treble	5" bass, 1" treble	6" bass, 1" treble	8" bass, 1" treble



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

- ▶ Intelligible 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	60/80/100W; 100W@ 16 ohm	20/40/60W; 60W@ 16 ohm	5/10/15/30W; 15/30/50W
Power at 70V	NA	NA	30/40/50W; 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
Finish	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
Finish	Grey	Light Grey	Grey	Black

HN-15T/HN-30T/HN-50T

- ▶ 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
Finish	Light Grey	Light Grey	Light Grey



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; 30W@8ohm
Power at 70V	2.5/5W	3.75/7.5W	7.5/15W	7.5/15W
SPL(1W/1M)	94dB	95dB	96dB	97db
Max SPL@ 1M	106dB	107dB	108dB	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
Finish	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 67



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	3.5/4.5/9/12.5/25/50; 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	1.75/2.25/4.5/6.25/12.5/25; 50W @8ohm
SPL(1W/1M)	96dB	101dB	105dB	98dB
Max SPL@ 1M	106dB	113dB	120dB	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	Dia 140x190mm	Dia 200x230mm	Dia 240x290mm	250x360x310mm
Installation	Bracket mount	Bracket mount	Bracket mount	Bracket mount
Enclosure Material	ABS	ABS	ABS	ABS
Weight	1Kg	1.3Kg	2.1Kg	4Kg
Finish	Light grey	Light grey	Light grey	Light Grey



PJ-510PEN

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

IP 55



PJ-520PEN

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

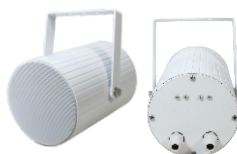
IP 55



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-510B

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

IP 55



MODEL	PJ-510PEN	PJ-520PEN	PJ-520MEN	PJ-510B
Power at 100V	1.25W/2.5W/5W/10W	1.25W/2.5W/5W/10W/20W	2.5W/5W/10W/20W	2.5/5/10W
Power at 70V	0.63W/1.25W/2.5W/5W	0.63W/1.25W/2.5W/5W/10W	1.25W/2.5W/5W/10W	1.25/2.5/5W
SPL(1W/1M)	92dB	92dB	93dB	91dB
Max SPL@ 1M	102dB	105dB	106dB	100dB
Freq. Response	130Hz-17KHz	130Hz-17KHz	130Hz-17KHz	130Hz-15KHz
Dispersion Angel	100degree	100degree	100degree	100 degree
Product Size	dia135*205mm	dia135*205mm	dia138*205mm	Dia138x205mm
Installation	wall	wall	wall	Wall or ceiling
Enclosure Material	ABS	ABS	Aluminum	Aluminum
Weight	1.7KG	1.8KG	2.4KG	2.9Kg
Finish	White	White	White	White
Speakers	5"*1 full range	5"*1 full range	5"*1 full range	5" x2 full range

PJ-510M

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

IP 55



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-510P

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

IP 55



MODEL	PJ-510M	PJ-620M	PJ-620B	PJ-510P
Power at 100V	5/10W	10/20W	10/20W	5/10W
Power at 70V	2.5/5W	5/10W	5/10W	2.5/5W
SPL(1W/1M)	91dB	92dB	92dB	91dB
Max SPL@ 1M	100dB	103dB	103dB	100dB
Freq. Response	130Hz-15KHz	110Hz-15KHz	110Hz-15KHz	130Hz-15KHz
Dispersion Angel	100 degree	120 degree	320 degree	100 degree
Product Size	Dia138x205mm	Dia 170x252mm	Dia 170x252mm	Dia 135x 205mm
Installation	Wall or ceiling	Wall or ceiling	Wall or corridor	Wall or ceiling
Enclosure Material	Aluminum	Aluminum	Aluminum	ABS
Weight	2.2Kg	2.8Kg	3.4Kg	1.5Kg
Finish	White	White	White	White
Speakers	5" x1 full range	6.5" x1 full range	6.5" x2 full range	5" x 1 full range



10W ABS sound hang speaker 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



20W Aluminum hang speaker 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-510PH EN	PJ-520MH EN
Power at 100V	1.25W/2.5W/5W/10W	2.5W/5W/10W/20W
Power at 70V	0.63W/1.25W/2.5W/5W	1.25W/2.5W/5W/10W
SPL(1W/1M)	92dB	93dB
Max SPL@ 1M	102dB	106dB
Freq. Response	130Hz-17KHz	130Hz-17KHz
Dispersion Angel	100degree	100degree
Product Size	dia135*205mm	dia138*205mm
Installation	Hang	Hang
Enclosure Material	ABS	Aluminum
Weight	2KG	2.7KG
Finish	White	White
Speakers	5" *1 full range	5" *1 full range





Tunnel Horn Speaker

Features:

- ▶ Designed to be used in place with restricted ceiling heights and where far throws are requested
- ▶ Perfect for traffic tunnels and industrial purpose
- ▶ High SPL
- ▶ High directivity
- ▶ High intelligibility



The TLH-70T has been specially developed for use in tunnel applications. The TLH-70T is a typical exponential horn suitable for use at low ceiling heights or in projects where a large range of speakers is important.

The TLH-70T is made from a reinforced fiberglass-epoxy composite and features a powerful compression driver that can deliver up to 129 dB, and its shape and structure allow it to be used in demanding applications such as motorway tunnels or parking garages. Voice evacuation is a good location for the TLH-70T.

The TLH-70T has an extended bandwidth of up to 8 kHz and can thus reproduce speech in situations where the acoustic conditions are unfavorable and the demands on the system are correspondingly high in terms of high quality and fidelity. Speakers with high directivity require less amplifiers and signal processing, thus reducing the cost of the project.

The TLH-70T is a typical symmetrical exponential horn (the length of the horn is in exponential connection to the surface) which uses the mounting surface as a guide for the sound waves. This allows a "half cell" design to be used that reduces the required mounting height, which benefits projects with very low ceilings.

In the right frequency band for a certain size, the horn provides the driver with a relatively consistent acoustic load. This helps both the output level, the uniformity of the playback of different frequencies and is the property that makes this type of horns so effective.

The TLH-70T should be mounted against a large and flat surface used as a guide for the sound waves. The small horizontal opening angle of only 30 degrees guarantees that the Audio signals are not affected by lateral disturbances, thus increasing the maximum possible distance between two horns.

MODEL

TLH-70T

RMS power	70W
Max. SPL	129 dBA @ 70 W
Frequency Response	300 Hz – 8 kHz
Horizontal opening angle @ 1 kHz	30 degrees
Vertical opening angle @ 1 kHz	15 degrees
Sensitivity (1W/1M)	110 dB @ 1 kHz
Material	Aluminum
IP Rating	IP66
Color	Gray
Dimensions (L x W x H)	560 x 360 x 183 mm



OD-515P

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

IP 66



OD-501P

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

IP 66



RK-620F

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



MODEL	OD-515P	OD-501P
Power at 100V	20W	30W
Power at 70V	10W	15W
SPL(1W/1M)	95dB	95dB
Max SPL@ 1M	105dB	110dB
Freq. Response	80Hz-15KHz	100Hz-16KHz
Cutout Size	360 degree	360 degree
Product Size	Dia 215x245mm	Dia 360x365mm
Installation	Ground fix	Ground fix
Enclosure Material	ABS	ABS
Weight	2.04Kg	3.0Kg
Finish	Green	Sage Green
Speakers	4" x1 full range	4.5" x1 full range

MODEL	RK-620F
Power at 100V	10W/5W
Power at 70V	5W/2.5W
SPL(1W/1M)	89dB
Max SPL@ 1M	102dB
Freq. Response	100Hz-16KHz
Product Size	230x210x270mm
Installation	Ground mounted
Enclosure Material	Synthetic Resin
Weight	3.5Kg
Finish	Grey

RK-620

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



RK-630

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



RK-650

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



RK-6100

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



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



Out Door Column Speaker

IP 44 for outdoor use

Features:

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



Bottom



LM-510T



LM-520T



LM-530T



LM-540T

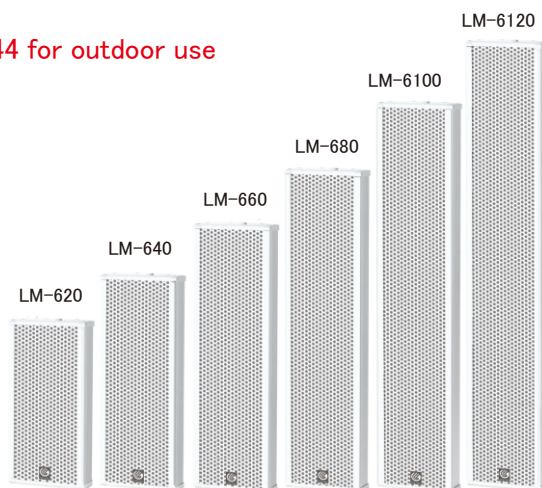
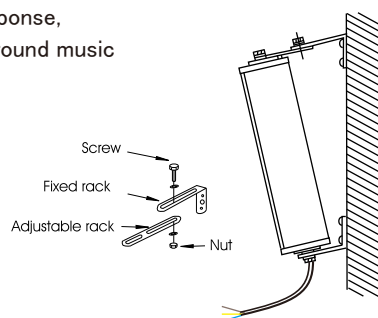
MODEL	LM-510T	LM-520T	LM-530T	LM-540T
Power at 100V	5/10W	10/20W	15/30W	20/40W
Power at 70V	2.5/5W	5/10W	7.5/15W	10/20W
SPL(1W/1M)	91dB	91dB	92dB	92dB
Max SPL@ 1M	100dB	103dB	104dB	107dB
Freq. Response	130Hz-16KHz	130Hz-16KHz	130Hz-18KHz	130Hz-16KHz
Dispersion Angel	90x90 degree	90x90 degree	90x80 degree	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
Finish	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)

Out Door Column Speaker

IP 44 for outdoor use

Features:

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



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
Finish	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

In 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
Finish	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

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
Finish	White	White	White	White
Speaker driver	8" × 1;4" × 1	8" × 2;4" × 1	8" × 3;4" × 1	8" × 4;4" × 2

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



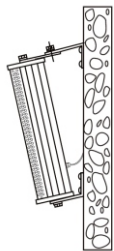
Model	LT-266	LT-466
Power at 100V	2/4/8/15/30W,30W@8ohm	5/10/20/40/60W,60W@8ohm
Power at 70V	1/2/4/8/15W	2/5/10/20/30W
Sensitivity(1M/1W)	87dB	87dB
Max SPL@ 1M	102dB	102dB
Freq. Response	110Hz-20KHz	110Hz-20KHz
Installation	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum
Weight	3kg	4kg
Product Size(L × W × H)	376 × 109 × 102mm	606 × 109 × 102mm
Finish	White or black	White or black
Speaker driver	3" woofer × 2, 2" tweeter × 1	3" woofer × 4, 2" tweeter × 1



In- Door 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



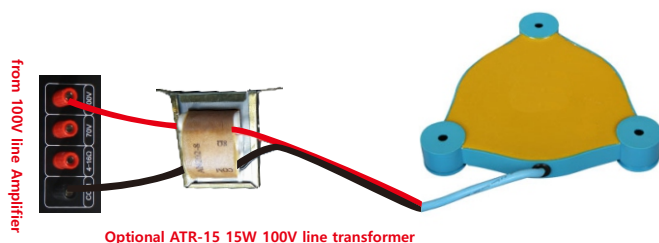
LM-240

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
Finish	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

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 Focus Speaker

Description:

FS-40 is a type of infrared stereo focusing speaker with storage card slot. When the infrared sensor detects that someone enters the area, the speaker will automatically play the sound.

Features:

- ▶ With built-in infrared sensor
- ▶ With built-in digital player, compatible with multiple formats of audio, video, picture playback and browsing.
- ▶ With built-in storage card slot, available for the SD/MMC card
- ▶ Sound only can be heard within specific area, no disturb to others.
- ▶ Great for places like museums, fine art centers, etc.



MODEL	FS-40
Frequency Response	150-15KHz
Input Signal Level	Unbalanced 500mmV
Rated Power	2W*2
Background Input Level	10KOhm
Output Signal Level	1V*2
S/N	≥ 70dB
DC Power Supply	12V
Speaker Unit	1.5"
Response Mode	Infrared way
Signal Storage Mode	External
Video DPI Max.	720P

Discription:

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
- ▶ IP44 water-proof design
- ▶ Built-in high efficiency Class-D amplifier
- ▶ Durable Aluminium enclosure
- ▶ Easy and fast installation and connection
- ▶ Audio signal from aux or RJ 45 connector



IP 44 for outdoor use



MODEL	LSA-440AT	LSA-430AT	LSA-420AT
RMS Power	40W	30W	20W
MAX Power	80W	60W	40W
Power Requirements	220-240VAC Or 24VDC	220-240VAC Or 24VDC	220-240VAC Or 24VDC
SPL At rated power	110dB	107dB	105dB
Freq. Response	110Hz-16KHz	110Hz-16KHz	110Hz-16KHz
Dispersion Angel	180x50 degree	180x50 degree	180x50 degree
Product Size	145x145x645mm	145x145x545mm	145x145x445mm
Installation	Wall mounted	Wall mounted	Wall mounted
Enclosure Material	Aluminum	Aluminum	Aluminum
Weight	6Kg	5Kg	4Kg
Finish	Khaki	Khaki	Khaki
Speakers	4"x4 full range	4"x3 full range	4"x2 full range



Active Smart Column Speaker for In and Outdoor

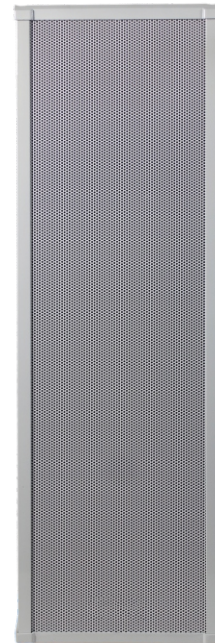
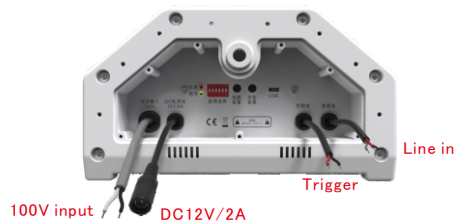
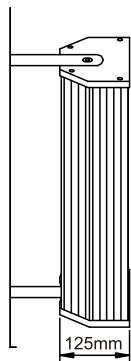
Description:

LM-620AT is a type of smart column speaker with 3M memory. When the camera or infrared detection connected to the control line detects someone, the speaker will be triggered and automatically play the preset alarm voice.

With line input and 100V input, this model is widely used in school, gymnasium, park, parking lot, railway station, airport, villa, shopping mall, supermarket and other places.

Features:

- ▶ Support multichannel receiving and processing function;
- ▶ With built-in amplifier and 100V input for BGM;
- ▶ Support local volume and line volume adjustment.
- ▶ Strong and intelligible sound effect
- ▶ IP44 water-proof design
- ▶ Durable Aluminium enclosure
- ▶ Fast installation and easy connection



Model	LM-620AT
Power at 100V	20W
Rated power	20W@4 Ω
Frequency response	90Hz~20KHz
Sensitivity	92dB
Speaker Driver	5" Woofer × 1, 2" Tweeter × 1
Installation	Wall mounted
Enclosure Material	Aluminum
Operating voltage range	DC10V~15V/2A
Product size	399x224x125mm
Net weight	4KG



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-15POE
Rated Power	30W	15W
Power Supply	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	285 x 205x 290 mm	225 x 165x 240 mm
Installation	Bracket mount	Bracket mount
Finish	White	Finish White

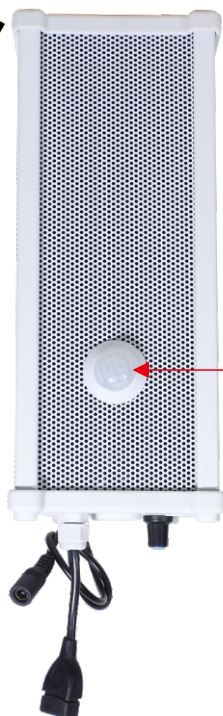


IR Alert Column Speaker

Description

IR-10 is a type of Infrared alert column speaker with 8M memory. When the infrared sensor detects that someone enters the area, the speaker will automatically play the preset alarm voice.

For pandemic application, please keep 1 meter for social distancing



Infrared sensor

Features:

- ▶ With built-in infrared sensor
- ▶ With built-in 8M memory, can connect to PC via USB cable to copy the MP3 that needs to be played.
- ▶ Support MP3(128kbps), WAV format
- ▶ Waterproof design for outdoor application



Waterproof power adapter
(AC220V to DC12V)



USB cable



Volume control

USB port

DC 12V interface

MODEL	IR-10
Power	10W
Power supply	110 to 240VAC,50/60Hz
Speaker sensitivity	96dB
Enclosure material	Aluminium
Sensing distance	3-6meters
Sensing angle	110°
Installation	Wall mounted
Finish	White
Size	105*82*295mm
Weight	1kg



2-Way Surface Mount Speaker

With high power handling, high sensitivity and realistic sound reproduction, DS Series surface mount speaker is a full-range, compact, two-way system, ideal for installations where space is a premium.

Features:

- ▶ Elegant and modern in architectural design
- ▶ High efficiency and output yet low distortion
- ▶ Convenient power tap switch for 100V/70V/8ohm
- ▶ Paintable ABS enclosure
- ▶ Weather-resistant construction for outdoor application
- ▶ Available in black or white color
- ▶ Simple and flexible installation

Applications:

- ▶ Swimming pools
- ▶ Sports stadia, sports facilities
- ▶ Health and fitness clubs
- ▶ Houses of worship
- ▶ Retail environments
- ▶ Cruise ships
- ▶ Corporate training rooms
- ▶ Bars and restaurants

W: White Color, B: Black Color



Model	DS-5100/B DS-5100/W	DS-5100/VB DS-5100/VW	DS-8150/B DS-8150/W	DS-8150/VB DS-8150/VW
Input	8 ohm	8ohm/100V/70V	8 ohm	8ohm/100V/70V
Operating Range	65 Hz – 22 kHz			
Frequency Response	80 Hz – 20 kHz (± 5.2 dB)			
Max Input Ratings (8 ohm)	100W continuous, 250W program 28 volts RMS, 63 volts momentary peak		150W continuous, 375W program 35 volts RMS, 77 volts momentary peak	
Power at 100V	/	60W	/	120W
Power at 70V	/	60W	/	120W
Sensitivity (1W/1m)	93 dB SPL (125 Hz to 12.5 kHz 1/3 octave bands) 91 dB SPL (250 Hz to 4 kHz speech range)		95 dB SPL (125 Hz to 12.5 kHz 1/3 octave bands) 96 dB SPL (250 Hz to 4 kHz speech range)	
Maximum Output	120 dB SPL	113 dB SPL / 120 dB SPL (peak 8 ohm)	124 dB SPL	117 dB SPL / 124 dB SPL (peak 8 ohm)
Crossover	1.6 kHz		1.3 kHz	
Frequency	80Hz–20kHz(± 5.2dB)			
Speaker Drivers	5” woofer x1, 1” tweeter x1		8” woofer x1, 1.25” tweeter x1	
Enclosure	ABS plastic, matte finish, paintable			
Finish	Black or white			
Dimension(H*W*D)	328*160*191mm		470*230*257mm	
Net weight with bracket	4.9kg		8.3kg	



120W 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/LA-100W	LA-100LB/LA-100LW
Input	70V/100V/8Ω	8Ω
Rated power	40W/80W/160W	160W
SPL (1W/1m)	95dB	
Maximum SPL (1W/1m)	123dB	
Frequency response	150Hz~14kHz, -6dB/ 80Hz~20kHz, -10dB	
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 or 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
- ▶ Optional LA-308TR200W 100V line transformer for LA-308 to order for 100V line amplifiers

MODEL	LA-308
Rated power	270W
Max. Power	1080W
Impedance	4Ω
SPL (1W/1m)	93dB
Maximum SPL (1W/1m)	124dB
Frequency response	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 or white
Dimension (H*W*D)	934x98x150mm
Net weight	4.85kg
Speaker driver	8x3" Ferrite

Wall speaker 150W at 8 ohm WP-4120

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



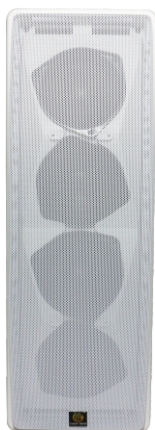
Mount Bracket
Kit 2 4120



Mount Bracket
Kit 1 4120



Wall speaker 120W at 8 ohm WP-402



Features:

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

MODEL	WP-4120W/B	WP-402W/B
Power at 100V	150W at 8 ohm	120W at 8 ohm
Power at 70V	NA	NA
SPL(1W/1M)	90dB	91dB
Max SPL@ 1M	111dB	111dB
Freq. Response	130Hz-15KHz	70Hz-15KHz
Dispersion Angel	90x80 degree	120x60 degree
Product Size	600x145x170mm	590x200x200mm
Installation	Wall mounted	Wall mounted
Enclosure Material	ABS	ABS
Weight	6.8Kg	7.2Kg
Finish	White/Black	White/Black
Speakers	4.5" x5 full range	4.5" x4 full range

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-200: 8 ohm 300W

RC-200T: 100V line 200W

RC-200 IP : 300W IP Net audio, Powered

RC-200 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-200	RC-200T
Rated power	300W@8ohm	25W/50W/100W/200W@100V 12.5W/25W/50W/100W/200W@70V, 300W@8ohm
Maximum power	600W	600W
Input	8ohm	70V/100V/8ohm
Sensitivity (1W/1M)	103dB ± 3dB	103dB ± 3dB
Frequency response	70Hz-18KHz	70Hz-18KHz
Radiation angle	∠90-100°	∠90-100°
Speaker unit	10"*1(Bass), 1"*1(Treble)	10"*1(Bass), 1"*1(Treble)
Product size	385*355*348mm	385*355*348mm
Weight	13.5KG	13.5KG



Two-Way All-weather Horn Speaker

Description

This high power outdoor 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.

Features:

- ▶ Strong body, high SPL output
- ▶ Transmit speech up to 1km distance
- ▶ full frequency horn, professional, all weather
- ▶ With 100V line or 8 ohm versions
- ▶ With IP, SIP Net audio with our Eco IP system
- ▶ IP 55 Outdoor

Ordering Code:

RC-10V: 250W@8ohm ; 150W@100V

RC-10V IP : 250W IP Net audio, Powered

RC-10V SIP : 250W SIP Net audio, Powered

RC-12V: 400W@8ohm; 250W@100V

RC-12V IP : 400W IP Net audio, Powered

RC-12V SIP : 400W SIP Net audio, Powered

RC-15V: 600W @8ohm; 400W @100V

RC-15V IP : 600W IP Net audio, Powered

RC-15V 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 $\pm$ 3dB	99dB / 96dB $\pm$ 3dB	100dB / 99dB $\pm$ 3dB
Sensitivity Max	119dB / 116dB $\pm$ 3dB	124dB / 121dB $\pm$ 3dB	127dB / 124dB $\pm$ 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



Waterproof Horn loudspeaker

Description

This high-power outdoor waterproof loudspeakers 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.

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

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 128dB at 1 meter, the music effect transmission is more than 350 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.



Model	RM-150V	RM-200V	RM-300V
Rated Power	100W@100V, 150W@8ohm	150W@100V, 200W@8ohm	250W@100V, 300W@8ohm
Input	100V/ 8ohm	100V/ 8ohm	100V/ 8ohm
Freq. Response	70HZ-20KHZ	70HZ-20KHZ	70HZ-20KHZ
Sensitivity	96dB	100dB	102dB
Max. SPL	110dB	120dB	124.8dB
Speaker	8"x1(Bass) 3"(44core) x1(Treble)	10"x1(Bass) 3"(44core) x1(Treble)	12"x1(Bass) 3"(75 core) x1(Treble)
Dimension	NA	NA	460X420X420mm
Weight	16kgs	18kgs	28kgs

Waterproof Horn loudspeaker

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-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

SPECIFICATIONS

RM-400V

Rated Power	400W@100V, 400W@8ohm
Input	100V/ 8ohm
Freq. Response	70HZ-20KHZ
Sensitivity	104dB
Max. SPL	139dB
Speaker	15"x1(Bass) 3"(75 core) x1(Treble)
Dimension	490x490x480mm
Weight	33kgs



DVD Player with USB

AS-DVD

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



SPECIFICATIONS

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

AS-D6

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.



SPECIFICATIONS

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



Emergency Microphone Panel EM-3

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



SPECIFICATIONS

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 AS-TIME6

AS-TIME6

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



SPECIFICATIONS

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



TBK-10 Window Intercom System

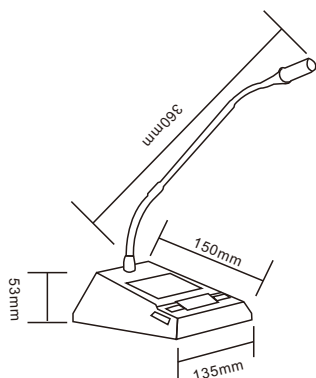


Descriptions:

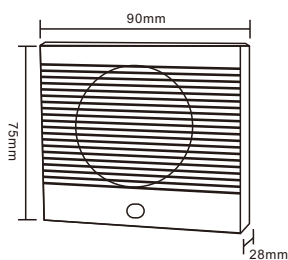
TBK-10 intercom system is primarily used in the counters and Bank/Window, or any places where conversations need to be Assisted.

Features:

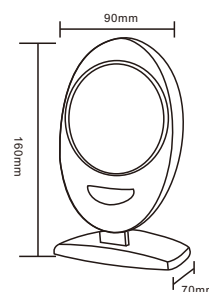
- Fashion appearance and clear sound effect
- Volume control and MIC control
- Supervisor talk-in conversation can not be heard by window sub stations
- Built-in recording signal output, can provide master station and sub station audio output for recording
- Simple connection and easy to install



MASTER STATION



SUB STATION
Paste to wall type as standard



SUB STATION
Standing type as optional to choose

SPECIFICATIONS

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



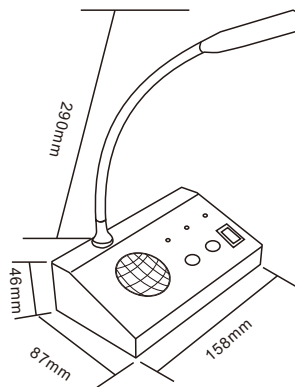
TBK-20 Window Intercom System

Dicriptions:

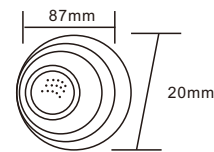
TBK-20 intercom system is primarily used in the counters and Bank/Window, or any places where conversations need to be Assisted.

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



MASTER STATION



SUB STATION
Paste to wall type

SPECIFICATIONS

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)



VoiceConnect System

Description:

Consisting of 2 microphone units, TBK-30 VoiceConnect 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.



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.

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	108 x 90 x 24mm



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 No/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



MI-106+

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



MI-107

- ▶ Fashionable outlook
- ▶ Built-in ding dong chime
- ▶ Red LED indicator



MI-108

- ▶ Fashionable outlook
- ▶ Programmable chime
- ▶ Ultra directivity



MI-109

- ▶ Adjustable Mic gooseneck
- ▶ Programmable chime
- ▶ Red Ring and base LED indicator



MODEL	MI-106+	MI-107	MI-108	MI-109
Capsule Type	Condenser	Condenser	Condenser	Condenser
Frequency Response	40Hz-16KHz	80Hz-12KHz	60Hz-15KHz	40Hz-17KHz
Polar Pattern	Super Direct	Cardiod	Supper Cardiod	Supper Cardiod
Output Impedance	200 ohms	200 ohms	75 ohms	200 ohms
Sensitivity	-35dB	-43dB	-47dB	-32dB
Power Requirements	11-52 V phantom power	3VDC	9VDC/230VAC	9VDC/230VAC
Product Weight	3.5Kg			

MI-105VP

- ▶ Fashionable outlook
- ▶ Red LED indicator



MODEL	MI-105VP
Capsule Type	Condenser
Freq. Response	20Hz-20KHz
Polar Pattern	Cardiod
Output Impedance	75 ohms
Sensitivity	-43dB
Power requirements	DC3V / 48V phantom power
Product Weight	1 Kg

MI-D6

Aluminum base microphone with short boom

- ▶ To combine a high-performance miniature condenser microphone with a functional desktop base
- ▶ Ultra directivity
- ▶ 48V phantom power"



MODEL	MI-D6
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

MI-D6L

Aluminum base microphone with long boom

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



MODEL	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

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	33 Ω
Output power (RMS)	100mW
Chip signal-to-noise ratio	≥ 73 db



Boundary microphone MI-B01 / MI-B02

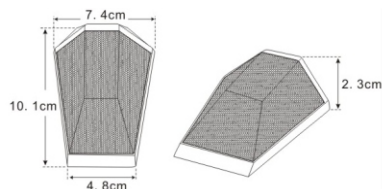
Description

With wide sound range, high-fidelity and stable performance, this capacitive boundary microphone adopts flat placement design. Thus, it ensures the high-quality pickup in conference application. Hemispherical single directivity suppresses rear noise and clearly collects in front.

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



MI-B01

MI-B02

SPECIFICATIONS	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

MI-BPS Phantom Power Supply

Description

MI-BPS delivers reliable 48V phantom power for condenser microphones and transfer sound signal to sound card in a compact, durable, plastic housing. It has universal XLR input and output, compatible with all kinds of microphone music recording equipment and comes with one 6.3mm audio cable with high quality XLR female connectors.

Note: Phantom power provides a 48V voltage to the condenser microphone, but phantom power does not enhance the microphone sound quality and improve the normal volume;

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.



SPECIFICATIONS	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	≤1.8 μ V



Push-to-talk Microphone

Description:

Designed to provide low-impedance and dynamic microphone for public and page systems, PTT MIC2 handheld microphone provides clear, natural sound with highly reliable performance. The PTT MIC2, which provides a three-core cable (one-core protection) and a reliable press-in transfer switch for continuous operation in harsh environments, can operate in a noisy environment.

Also, advanced ABS shell can resist mechanical vibration and sway, and prevent to be affected in the oil, smoke, salt, ultraviolet radiation and corrosion environment.



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.

SPECIFICATIONS

	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

Description:

MI-120D is a low-impedance dynamic microphone designed to be mounted on flexible goosenecks or fixed pipes. Ideal for language labs, paging applications, and base station communications, it's also recommended for use as talkback or cuing microphones in TV, film, and recording studios.

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



SPECIFICATIONS

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



HG MIC1 Overhead Microphone

Description:

Designed for hang application, this long-distance pick up condenser microphone is suitable for speech, especially teachers. HG MIC1 overhead (Hang) microphone provides clear, natural sound with highly reliable performance. It is with wide dynamic range and frequency response for accurate sound reproduction across the audio spectrum.

Features:

- ▶ Steady extended frequency response provides high-performance sound response
- ▶ Uni directional with high sensitivity
- ▶ Long-distance pick-up sound.
- ▶ Support 48V phantom power supply
- ▶ Easy for installation



SPECIFICATIONS

HG MIC1

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

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





HG MIC2 overhead dual capsule Microphone

Features:

- ▶ Easy to use, maintain and intelligent.
- ▶ Liberate the teacher's hands completely, making the lesson more vivid and relaxing. The teacher no longer needs to wear any launching equipment on his body, and can walk around without any restrictions.
- ▶ Powerful expansion capability, providing multiple sets of input and output and automatic source selection.
- ▶ Adopt free-maintenance design, avoiding problems such as charging, replacing batteries, and equipment damage.
- ▶ Seamlessly connect with the central control system, and set and monitor the device use status in real time through the management platform.



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



Description:

Designed for hang application, this long-distance pick up condenser microphone is suitable for speech, especially teachers. With A+ level standard sound clarity, it streams clear and natural sounds. The teacher only needs the volume of normal chat to meet the teaching needs. The system offers a variety of custom mode options, compatible with local sound reinforcement, audio playback, and broadcast audio playback.

SPECIFICATIONS

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



BST-31A Portable Waist Speaker with 15W Amplifier

Description:

BST-31A is an ultra-portable amplifier designed to people looking for maximum mobility. BST-31A consists of a 15W amplifier with rechargeable battery (charger included), headset microphone and shoulder strap to carry on. Thus, it is great for applications such as teaching, presentation, churches, guides, sports, coaching and advertisement, outdoor entertainment, etc.

Features:

- ▶ 10W portable amplifier with a 4-inch full-range speaker
- ▶ USB / SD input for reading and recording MP3 files.
- ▶ Support FM radio, AUX input and Mic input
- ▶ With built-in rechargeable Lithium battery
- ▶ Light in weight and convenient to carry



Model	BST-31A
Speaker	
Rated power	10W
Max. Power	15W
Speaker	4-inch full-range speaker
Speaker Impedance	4ohm
Frequency Response	80-12kHz
Enclosure Material	ABS
Audio Inputs	FM, USB, TF/SD Card, AUX & MIC
Battery	DC 3.7V/1200mAh Lithium
Size	160*190*95mm
Weight	750g
Headset Mic	
Working Time	3-5h
Working Current	50-100MA
Frequency Range	630-670MHz
Frequency Response	40Hz-16KHz
Workable Distance	30Meters

BST-32A Portable Waist Speaker with 9W Amplifier

Description:

BST-32A is an ultra-portable amplifier designed to people looking for maximum mobility. BST-32A consists of a 9W amplifier with rechargeable battery (charger included), headset microphone and shoulder strap to carry on. Thus, it is great for applications such as teaching, presentation, churches, guides, sports, coaching and

Features:

- ▶ 10W portable amplifier with a 4-inch full-range speaker
- ▶ USB / SD input for reading and recording MP3 files.
- ▶ Support FM radio, AUX input and Mic input
- ▶ With built-in rechargeable Lithium battery
- ▶ Light in weight and convenient to carry



Model	BST-32A
Speaker	
Rated power	5W
Max. Power	9W
Speaker Impedance	4ohm
Frequency Response	80-12kHz
Enclosure Material	ABS
Audio Inputs	FM, USB, TF/SD Card, AUX & MIC
Battery	3.7V 1200mAh
Input	DC 5V
Working Temperature	-10°C-45°C
Size	122*90*45mm
Weight	270g
Headset Mic	
Working Time	3-5h
Working Current	50-100MA
Frequency Range	630-670MHz
Frequency Response	40Hz-16KHz
Workable Distance	30Meters



MODEL NUMBER: WM-88U

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



SPECIFICATIONS

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

MODEL NUMBER: WM-88U1

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.



Optional Belt Receiver 88BP

SPECIFICATIONS

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 Wireless Microphone

Features:

- ▶ UHF wireless microphone is less likely to subject to interference than VHF microphone, transmitting more stable signal.
- ▶ Up to 200 frequencies, several sets of microphones can be used simultaneously without worrying about interferences
- ▶ With auto pairing technology
- ▶ With high-end liquid crystal display
- ▶ Ultra-long operating range. The UHF Handheld wireless microphone has a wireless range of up to 100 meters.
- ▶ Digital ID identification technology, without worrying about interferences
- ▶ Unique digital encryption technology, preventing off-site surveillance or eavesdropping
- ▶ Built-in feedback suppressor, one-key eliminating howling



WM-2870H



WM-2870B



WM-2870D

Model	WM-2870H/WM-2870B/WM-2870D
Receiver	
Oscillation mode	PLL frequency synthesis
Frequency range	UHF499MHz-900MHz
Frequency stability	±0.001%
Modulation mode	FM
SNR	>60dB
Distortion	<0.5%@1KHz
Receiver sensitivity	1.2/UV @S/N=12dB
Power supply	DC 12V
Audio output	Independent 0-2V2/Hybrid 0-2V
Transmitter	
Power supply	DC 3V(1.5V AA×2)
Microphone power consumption	110mA
Carrier frequency	UHF499MHz-937MHz
Frequency stability	±0.001%
Max frequency offset	±70KHz
SNR	>60dB
Adjacent frequency interference ratio	>80dB
Dynamic range	≥100dB
Type	Dynamic
Polarity mode	Cardioid
Frequency response	60Hz-17KHz
Microphone sensitivity	-42±2dB@1KHz

4-Channel Wireless Microphone

Features:

- ▶ UHF wireless microphone is less likely to subject to interference than VHF microphone, transmitting more stable signal.
- ▶ Up to 200 frequencies, several sets of microphones can be used simultaneously without worrying about interferences
- ▶ With auto pairing technology
- ▶ With high-end liquid crystal display
- ▶ Ultra-long operating range. The UHF Handheld wireless microphone has a wireless range of up to 100 meters.
- ▶ Digital ID identification technology, without worrying about interferences
- ▶ Unique digital encryption technology, preventing off-site surveillance or eavesdropping
- ▶ Built-in feedback suppressor, one-key eliminating howling



MPRO-44H



MPRO-44B



MPRO-44D

Model	MPRO-44H/MPRO-44B/MPRO-44D
Receiver	
Oscillation mode	PLL frequency synthesis
Frequency range	UHF499MHz-900MHz
Frequency stability	$\pm 0.001\%$
Modulation mode	FM
SNR	>60dB
Distortion	<0.5% @1KHz
Receiver sensitivity	1.2/ μ V @S/N=12dB
Power supply	DC 12V
Audio output	Independent 0-2V2/Hybrid 0-2V
Transmitter	
Power supply	DC 3V(1.5V AA $\times$ 3)
Microphone power consumption	110mA
Carrier frequency	UHF499MHz-937MHz
Frequency stability	$\pm 0.001\%$
Max frequency offset	± 70 KHz
SNR	>60dB
Adjacent Channel Interference Ratio	>80dB
Dynamic range	≥ 100 dB
Microphone capsule	Dynamic
Directivity	Cardioid
Frequency response	60Hz-17KHz
Microphone sensitivity	-42 $\pm$ 2dB @1KHz

LC-RCD RACK USB TF HARD DISK PROFESSIONAL CONFERENCE SYSTEM RECORDER
Features:

- ▶ Professional Design
- ▶ 1U compact rack body size
- ▶ All New Design Main Control Board
- ▶ USB and TF recording and playing
- ▶ Hard disc is available (FAT 32)
- ▶ Accept AAC MP3 WAV APE FLAC playing
- ▶ Recording file can support WAV or Mp3
- ▶ Wav record support 48KHz or 96KHz
- ▶ MP3 record support 128 192 256 320 bit
- ▶ Clear LCD display
- ▶ Mono transfer stereo audio switch button
- ▶ 0.01sec rapid record functions
- ▶ Record level manual adjust functions
- ▶ Pitch ± 24 functions
- ▶ Auto record functions
- ▶ Digital or analog record switch
- ▶ Mic input record socket with vol
- ▶ Folders and tracks easy search by panel
- ▶ Rapid into Record folder button
- ▶ Single and continuous functions
- ▶ Repeat 1 and all functions
- ▶ Phones output with volume
- ▶ Time button functions (elapsed remain)
- ▶ 90V–260V switching power Supply



Model	LC-RCD
Power supply	90v–260v (50hz / 60hz)
The power consumption	20w – 30w
SNR	98 dB
Frequency response	20hz – 20khz
Audio output	RCA, PHONES, XLR, DIGITAL
Audio input	RCA, XLR . DIGITAL . MIC
Sound specifications	USB, TF
The total harmonic distortion	>0.01%
Dynamic Range	> 98dB
Distortion	>0.01%
Frequency	96KHz
Size	483mm * 44mm * 210mm
Weight	3 kg



LC-100 Conference System Discussion Version

Description

This LC-100 compact 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.

Features:

- ▶ Main unit control up to 180pcs and power up to 60pcs microphones
- ▶ Equipment with best noise cancellation technology
- ▶ With output to record the meeting
- ▶ Chairman with Priority to mute delegates
- ▶ Digital acoustic feedback suppression
- ▶ 8 Pin cable provides secure and reliable communication
- ▶ Versatile for small to medium conference application



LC-100C Chairman Unit LC-100D Delegate Unit



LC-100M Main Control Unit

LC-300 Conference Systems 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 overrided;
3, Chairman only; 4, Limite
- ▶ 8 Pin cable provides secure and reliable communication
- ▶ Versatile for small to medium conference application



LC-600 Conference Systems

Description

The innovative design makes this LC 600 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-600C
CHAIRMAN UNIT



LC-600D
DELEGATE UNIT



LC-600M System Main Unit

Features:

- ▶ Main unit control up to 250pcs and power up to 50pcs microphones
- ▶ Equipment with best noise cancellation technology
- ▶ Built-in 100W power amplifier
- ▶ Chairman with Priority to mute delegates
- ▶ 4 groups of audio output
- ▶ With conference record output
- ▶ Digital acoustic feedback suppression
- ▶ Equipped with the auto-off function, if the unit is not working in 30 second, the microphone will be off
- ▶ 8 Pin cable provides secure and reliable communication
- ▶ Versatile for small to medium conference application

LC-700 Conference Systems, discussion, voting and camera tracing

Discriptions:

The innovative design makes this LC 700 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-700CV
CHAIRMAN UNIT



LC-700DV
DELEGATE UNIT



LC-700C
CHAIRMAN UNIT



LC-700D
DELEGATE UNIT



LC-700M Main Unit

Features:

- ▶ Main unit control up to 250pcs and power up to 60pcs microphones
- ▶ Unidirectional capsule with best noise cancellation technology
- ▶ Main unit equipped with monitoring speaker
- ▶ 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
- ▶ Flexible of chairman and delegate number in the system
- ▶ Digital acoustic feedback suppression
- ▶ 8 Pin cable provides secure and reliable communication
- ▶ Versatile for small to medium conference application



LC-800 Conference Systems 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-800M Main Unit



LC-800C
CHAIRMAN UNIT



LC-800D
DELEGATE 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

Wireless

UC-200 Wireless Conference System



UC-200D Delegate Unit



UC-200C Chairman Unit



UC-200M Main Control Unit



UC-200CG Charger

Discriptions:

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, continously 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



DC-800 Series with discussion functions

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

Discriptions:

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.

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



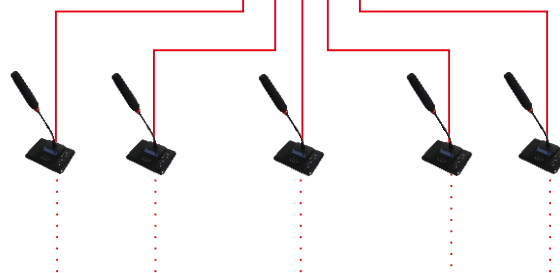
DC-800CS Chairman Unit



DC-800DS Delegate Unit



DC-800M Main Control Unit



Basic functional chairman and delegate units



DC-800C Chairman Unit



DC-800D Delegate Unit



System Discriptions:

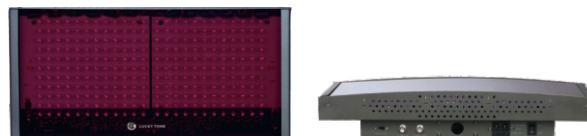
This IR interpretation system is designed for wireless distribution of audio signals for international conference where multi language is required. During the conference, the interpreters simultaneously translate the speaker's language as required, and the participants can select the language according to their choices, and listen via the earphones. the system provides language channels ranging from 4, 8, 12, 16 and up to 32. Thus it is suitable for medium to large size conference applications.

IR-32M 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-32R 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-32I Interpreter Unit



- ▶ It supports 4,8,12,16 and 32 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-32D Delegate Receiver Unit



- ▶ Small, elegant and pocket size
- ▶ Support up to 32 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-32TB signal booster if IR radiator cable to interpreter unit or interpreter unit to interpreter unit is more than 10 meters.
- ▶ IR-32C Charging box for 24pcs delegate receiver unit
- ▶ IR-32BOOT Interpreter's booth at the size of 1.6*1.6*2M



IR-32BOOT
Interpreter's Booth



IR-32C
Charging Box



IR-32TB
Booster

System Discriptions:

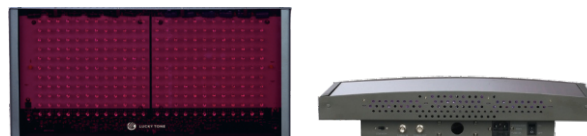
This IR interpretation system is designed for wireless distribution of audio signals for international conference where multi language is required. During the conference, the interpreters simultaneously translate the speaker's language as required, and the participants can select the language according 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-32C
Charging Box



System Discriptions:

This wireless tour guide system applies the stable and reliable wireless technology to analyze the difference available fr-
equencies and picks the most suitable one with least disturbance for transition of audio signal. It digitizes the audio signal
to process and modulation before transmit. Receiver will scan the signal via identification verifying, read the transmitter
frequency, process and signal and convert to the analog original sound. It is a economic yet power full system suitable for
various of applications.

GD-100T VHF transmitter



- ▶ Stylish design
- ▶ Digital, DSP technology, and with radio function
- ▶ Totally 44 sets can be used in the same place

GD-101R VHF Receiver



- ▶ Stylish design and small in size
- ▶ RFID software, radio frequency identification to prevent interface
- ▶ Unlimited pcs using at the same place
- ▶ Standard grey, optional in Red and Blue color

GD-100TU UHF transmitter



- ▶ Stylish design
- ▶ Digital, DSP technology, and with radio function
- ▶ Totally 80 sets can be used in the same place

GD-101RU UHF Receiver



- ▶ Stylish design and small in size
- ▶ RFID software, radio frequency identification to prevent interface
- ▶ Unlimited pcs using at the same place
- ▶ Standard Yellow, optional in Red and Blue color

GD Accessories



GD-102C
Charging box for 30 units
of wireless IR receiver



GD-103M(Standar)
Head worn Microphone
for transmitter



GD-104M(Standar)
Clip Type Microphone
for transmitter



GD-Ear(Standar)
Single earphone
for receiver



GD-EarPro(Optional)
Conduction earphone
for receiver

System Specifications:
VHF RECEIVER GD-101R

Frequency Ranges	VHF216-230MHz
Frequency Channels	44
Adjustable ID	99
Stabalized Tye	PLL
Frequency Deviation	±75K
S/N Ratio	55db A weighted
Receiving Sensitivity	2 μV
Frequency Response	100-15Khz
Display	LED 17*5
Operation range	30 to 80 meters
Power Supply	NiMH AA 1.2V*2
Battery Operation time	10 hours
Antenna	Headphone cable
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	105*53*22mm/55g without Bat
Temperature Range	-10 ~ 50 degree

VHF TRANSMITTER GD-100T

Frequency Range	VHF216-230MHz
Channels	44
Adjustable ID	99
Stabalized Type	PLL
Working Type	F3E
Frequency Deviation	±75
Transmitting Rated Power	Less than or equals to 10mV
Subharmonic	Main wave less than 40 dB
Capsule Type	Condenser
Directivity	Ultra Cardioid
Input Pressure	Less than or equals to 130dB
Frequency Response	100Hz to 15Khz
Display	OLED 17*5
Operation range	30 to 80 meters
Power Supply	NiMH AA 1.2V*2
Battery Operation time	10-15 hours
Antenna	Ground electrode
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	85*65*40mm/155g without Bat
Temperature Range	-10 ~ 50 degree

UHF RECEIVER GD-101RU

Frequency Ranges	UHF740-820MHz
Frequency Channels	80
Adjustable ID	80
Stabalized Tye	PLL
Frequency Deviation	±75K
S/N Ratio	60db A weighted
Receiving Sensitivity	-100dB μ
Frequency Response	100-15Khz
Display	OLED
Operation range	30 to 80 meters
Power Supply	Li-Po 3.7V 800mA
Battery Operation time	10 hours
Antenna	Microstrip
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	72*43*21mm/40g with Bat
Temperature Range	-10 ~ 60 degree

UHF TRANSMITTER GD-100TU

Frequency Range	UHF740-820MHz
Channels	80
Adjustable ID	80
Stabalized Type	PLL
Working Type	F3E
Frequency Deviation	±75
Transmitting Rated Power	Less than or equals to 10mV
Subharmonic	Main wave less than 45 dB
Capsule Type	Condenser
Directivity	Ultra Cardioid
Input Pressure	Less than or equals to 130dB
Frequency Response	100Hz to 15Khz
Display	OLED 17*5
Operation range	30 to 80 meters
Power Supply	NiMH AA 1.2V*2
Battery Operation time	10-15 hours
Antenna	Whip Microstrip
Headphone output	5 mV
T.H.D	<0.5%
Size and Weight	85*65*40mm/155g without Bat
Temperature Range	-10 ~ 50 degree

GD-101R VHF Receiver

GD-101RU UHF Receiver




Description

- ▶ Professional elegant appearance design. 19 inch, metric or ETST standard
- ▶ Modular design, easy to assemble, providing a quick solution to the assembly and combination between multiple server racks
- ▶ Convenient access from different sides; Cable entries at the top, bottom, front or back is simple for cable routing and management
- ▶ Built in grounding kit for equipment protection
- ▶ High-intensity cold-rolled steel plates framework and 5mm tempered glass
- ▶ Exterior dimension meets IEC297-2 standard, contamination free



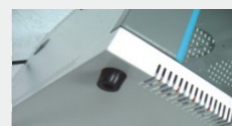
Cable management post inside



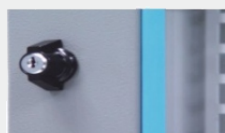
Dismountable sides



High speed vented fans



Cabinets stands



Well designed front door lock



Optional keyboard cradle



Wall mount or Stand Cabinet

NO	Model	Width* Depth *Height	Rack Space
1	Rk06	550mm*600mm*350mm	6U
2	Rk09	550mm*600mm*490mm	9U
3	Rk12	550mm*600mm*630mm	12U
4	Rk16	550mm*600mm*720mm	16U



Stand Cabinet with wheel

NO	Model	Width* Depth *Height	Rack Space
1	Rk24	600mm*600mm*1245mm	24U
2	Rk28	600mm*600mm*1445mm	28U
3	Rk37	600mm*600mm*1845mm	37U
4	Rk42	600mm*600mm*2045mm	42U



Blanking Panels for 19" Rack



Model: AU-100

1.5mm thick Steel 1U Panel



Model: AU-200

1.5mm thick Steel 2U Panel

Ceramic Terminal

Model: ACR-3

Features:

- ▶ Good to compliance with EN 54, BS 5839, EN 60849
- ▶ Comes with 3A, 250V, 130 degree thermal fuse
- ▶ Fast installation with loudspeakers
- ▶ High temperature resistant



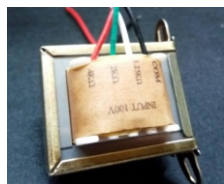
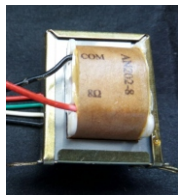
Face



Side

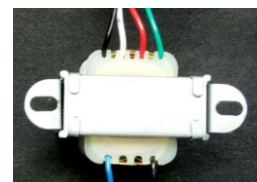
Transformers

Model: ATR-8



100V /70V Matching transformer at 8 ohm
Power tapping: 2.5W/5W/8W

Model: ATR-6



100V /70V Matching transformer at 8 ohm
Power tapping: 1.5W/3W/6W



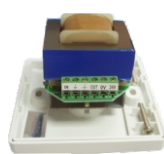
Rectangular and square type volume controllers

- 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
Finish	White	White	White	White

Ordering code for different types



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



Subwoofer Speaker Driver

Used for: home audio system, public address broadcasting system, multimedia speaker, Bluetooth speaker, etc.



Model	8.1SUB DR
Nominal Diameter	8 Inch
Nominal Impedance	6 Ω
Power Handling Capacity	80W
Sensitivity 1W/1M	90dB
Voice Coil Diameter	35.5mm
Cone	Paper
Magnet Type, size	100 Ferrite
Overall Diameter	210mm
Bolt Circle Diameter	200mm
Baffle Cutout Diameter	180mm
Total Depth	103mm
Net Weight	1.6kg
Shipping Box(Single)	220*220*120mm

Model	480SUB DR
Nominal Diameter	10 Inch
Nominal Impedance	4 Ω
Power Handling Capacity	150W
Sensitivity 1W/1M	92dB
Voice Coil Diameter	50.5mm
Cone	Paper
Magnet Type, size	120 Ferrite
Overall Diameter	258mm
Bolt Circle Diameter	245mm
Baffle Cutout Diameter	230mm
Total Depth	118mm
Net Weight	2.4kg
Shipping Box(Single)	270*270*135mm

DR-20



DR-131



DR-165



Model	DR-20	DR-131	DR-165
Nominal Diameter	3 Inch	5 Inch	6.5 Inch
Nominal Impedance	8 $\Omega \pm 10\%$ at 1V 600Hz	8 $\Omega \pm 10\%$ at 1V 400Hz	8 $\Omega \pm 10\%$ at 1V 400Hz
Rated Power	6W	20W	6W
Sensitivity 1W/1M	84.9dB	89.8dB	91.7dB
Voice Coil Diameter	Φ 14.28mm	Φ 20.4mm	Φ 20.4mm
Cone	Paper	Paper	Paper
Magnet Type, size	Ferrite, 60mm	Ferrite, 75mm	Ferrite, 60mm
Overall Diameter	81*99mm	131mm	165mm
Cutout Size	75mm	113mm	150mm
Total Depth	39mm	53mm	56.5mm
Net Weight	225g	555g	390g
Shipping	36pcs/carton	36pcs/carton	36pcs/carton