CMX

Reliable Professional
Simple Affordable

Commercial Audio
Public Address System
2017 Catalog

CE RoHS FC USA ISO 9001:2008 SGS ISO JQA ISO 14001 musikmesse Messe Frankfurt prolight+sound Integrated Systems Europe

All Specifications are May Change without Notice
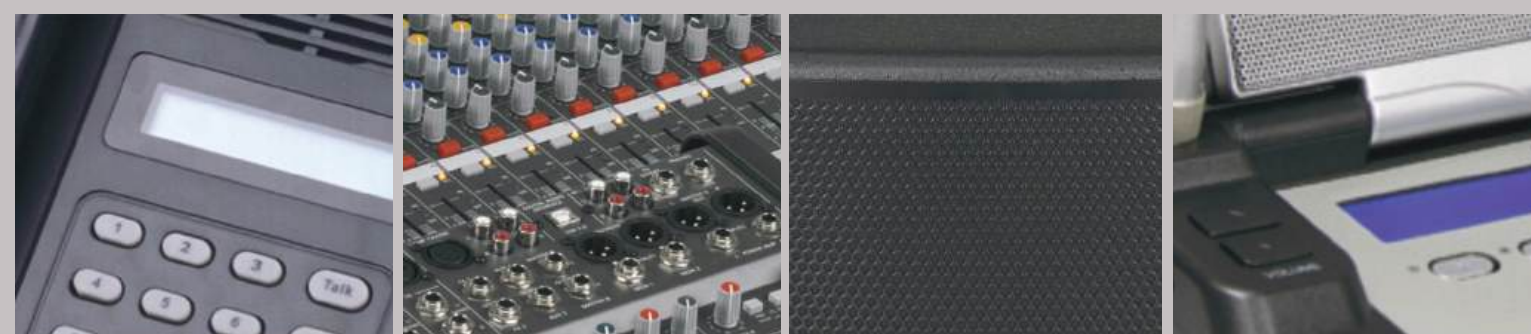
About Us

Guangzhou CMX Audio Co., Ltd is the leading digital public address system, IP network audio system and digital conference system manufacturer in China, we have one around 1,000 SQ meters factory well equipped with 2 SMT machine. Our factory are well quality-oriented ensure to make the highest reliable equipment for export business. The quality control system is strictly followed by ISO9001 and IS014001.

We commit 5 years quality warranty to our installer, system integrator and distributor. Most of products are compliant with CE, RoHS, CB, FCC or UL, speaker with IP66 waterproof and fireproof certificate. Our most advanced systems are Digital Voice Evacuation System (EN54-16) and Digital Class-D Amplifier. Our EVAC system meets the requirements of BS EN54-32 & EN60849 standards, the third party certificate is under taking on.

We help to support & design public address system, digital PA system, digital IP network audio system, IP intercom system, voice evacuation system, digital conference system , digital IR wireless conference system and simultaneous interpretation system. We offer complete before sales and after sales technical support.

Domestic Sales Network and Worldwide Export

In China our products are sold through a network of over 500 distributors and contractors. CMX products are the preferred choice of discerning users in over 80 Countries on 5 Continents with largest exports to Europe. We have partners in USA, UK, Germany, Italy, Greece, France, Russia, Finland, South Africa, Egypt, India, Singapore, Malaysia,Vietnam, Australian, Saudi Arabia , UAE, Kuwait, Lebanon, Thailand , Turkey etc.

Research & Development

The CMX Research and Development Centre is recognized by our more than 10 years expert sound engineering team who takes pride in developing products known to perform with absolute reliability even in the most extreme operating & climatic conditions. Our R & D teams are rewarded by the China Government for our patent of Fast Railway IP Voice Evacuation System. Our R & D teams are recognized for more than 30 worldwide partners for our Dante IP Network Communication Technology. Our R & D teams are preferred by EVAC (EN54-16 & EN54-24) contractor for our mastery of digital IP EVAC technology.

Content

- Digital voice evacuation system all in one amplifier.
- Specifications meet the standards of BS EN54-32 & EN608409.
- EN54-16 standards certificate is under taken.
- Built-in 240W & 500W 6 zone class-D amplifier.
- Integration of EVAC controller, paging system, PA system & BGM system together.
- Built-in two separate players for EVAC and alert voice message by SD card.
- Built-in 6 zone AB speaker line low impedance supervision.
- Built-in amplifier auto changeover into standby when fault.
- With external amplifier input to expansion the power.
- Capacity of connection 32 units remote microphones.
- Red button EVAC message push to activate with priority except fireman microphone.
- 6 zone speaker outputs with separate zone volume control (ATT).
- 6 zone separate indicator for EVAC, fault, music/paging & select.
- System indicators of AC, DC, fault and indicators for EVAC, alert & fireman microphone.
- Zone capacity of 120 zones by cascaded 19 routers.
- With 8 programmable control inputs and 8 programmable control outputs for voice evacuation system.
- With Fault, EVAC outputs and Reset input for third party system integration.
- With fireman microphone of highest priority.
- Priority level: fireman mic, EVAC, input 1, remote microphone, timer & BGM.
- Two combo inputs for mic/line, 4 line inputs and one REC output.
- Two RJ45 ports for router, two RJ45 for remote microphone input and two RJ45 for LAN/WAN/Internet network.
- With all main signal path supervision includes, EVAC message, fireman mic, remote mic, speaker line, amplifier failure, AC & DC failure.
- AC 230V and DC24V battery input. Auto switch into the battery backup when AC fails.

Remote Microphone：

- Digital voice evacuation system remote paging microphone.
- Each microphone of 12 zone capacity.
- System support 32 remote microphones of loop connection.
- System indicators of AC, DC, fault, Mic status and test.
- 12 zone selection buttons and all zone button.
- 12 zone selection buttons with three-colored indicators.
- Two RJ45 ports for connection with EVAC-500 and next remote microphone.
- One 3.5mm line input, with output volume control.
- Support PPT and normal paging two modes.
- CAT5 or CAT6 cable communication up to 600 meters.
- DC24V power supply from EVAC-500 controller.
- Support loop connection and paging microphone failure has been supervised.
- EVAC-12KD is 12 zone expansion keypad
- Total paging microphone zone capacity is of 120 zones by connection of 9 units keypad
- Remote microphone communication line supervised with loop connection

6 Zone Voice Alarm Amplifier
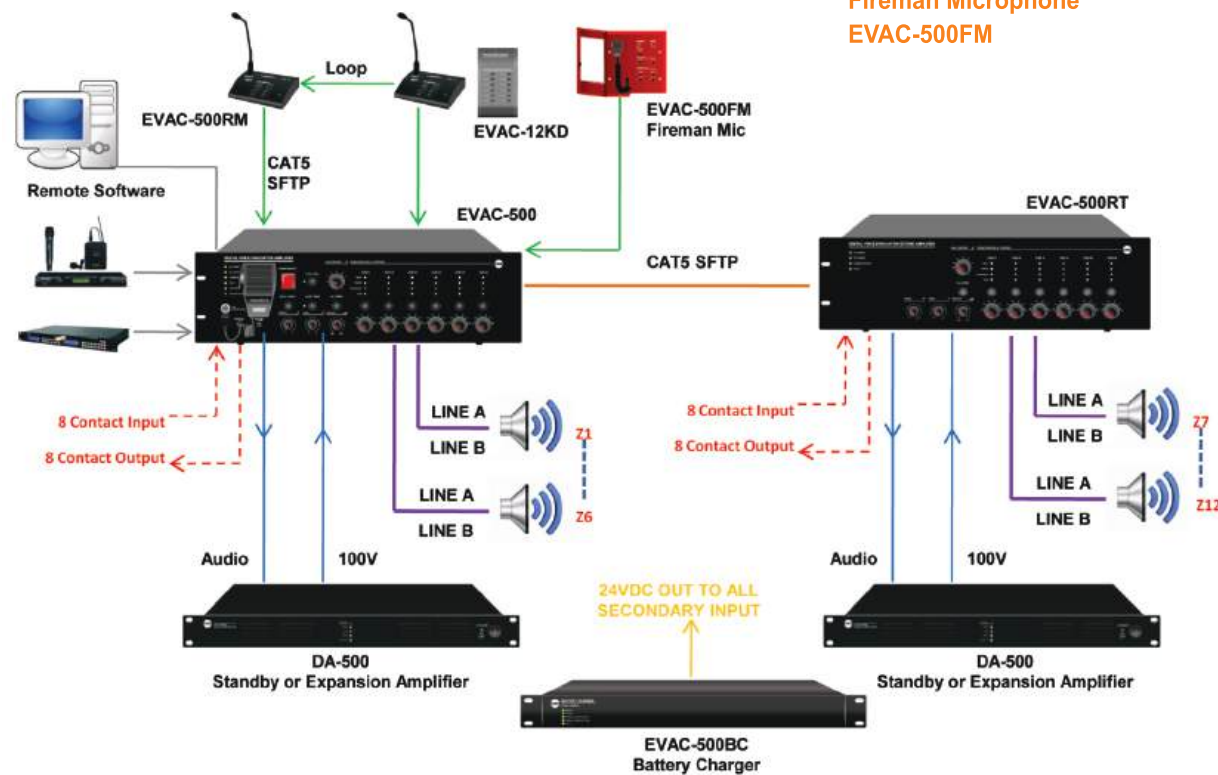**EVAC-240 (240W)**
EVAC-500 (500W)

12 Zone Remote Microphone　**12 Zone Keypad**
EVAC-500RM　　　　　　　**EVAC-12KD**

Fireman Microphone
EVAC-500FM

1

6 Zone Voice Alarm Router (with Amplifier)

- The voice alarm router is needed for more than 6 zone system.
- Built-in 240W 6 zone class-D amplifier.
- Same function with controller except without control function.
- The expansion router will be controlled by master voice alarm controller.
- Voice alarm messages receiving from master controller.
- With all main signal path supervision includes, EVAC message, fireman mic, remote mic, speaker line, amplifier failure, AC & DC failure.
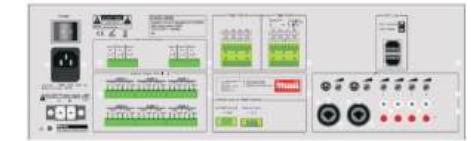
12 Zone Voice Alarm Router (without Amplifier)

- The EVAC-12RT Voice Evacuation Router is needed for more than 6 zone system
- Each voice evacuation router is with 12 zone capacity
- 12 zone voice evacuation router is suitable for middle and big size system
- Total system capacity of 126 zones by cascaded 10 units router
- With 12 programmable control inputs and 12 control outputs
- The router will be controlled by master voice alarm controller
- Voice alarm messages receiving from master controller
- With all main signal path supervision includes speaker line, amplifier failure, AC & DC failure
- Two inputs for two amplifier up to 1000 watts
- EVAC and alert message simultaneously broadcasted to different zones
- With two outputs for backup amplifier of auto standby when main amplifier fails
- Each zone speaker maximum 800 watts output
- With ID pre-set its zone expansion number
- With RS485 to communicate with third party system
- AC 230V and 24V DC both power supply system with supervision

24 VDC Battery Charger

- Auto switch into DC power supply when AC power fails
- Select Auto/Manual charging mode automatically
- Storage battery failure, overvoltage, over-heat and overtime charging detection
- Automatic temperature control fan and overheat protection
- Build-in battery charge management and monitoring circuit
- When connected to AC power, DC 24V will be off automatically
- Storage battery support two DC 24V lead-acid batteries or one DC 24V lead-acid battery
- Selecting charging mode automatically to ensure safety charging and service life: pre-charge->constant current->trickle charge
- High charging efficiency and restore efficiency
- Support multiple volumetric battery <=200Ah
- With ID pre-set its zone expansion number
- With RS485 to communicate with third party system

6 Zone Voice Alarm Router
EVAC-240RT (240W)
EVAC-500RT (500W)

12 Zone Voice Alarm Router
EVAC-12RT

24 VDC Battery Charger
EVAC-500BC
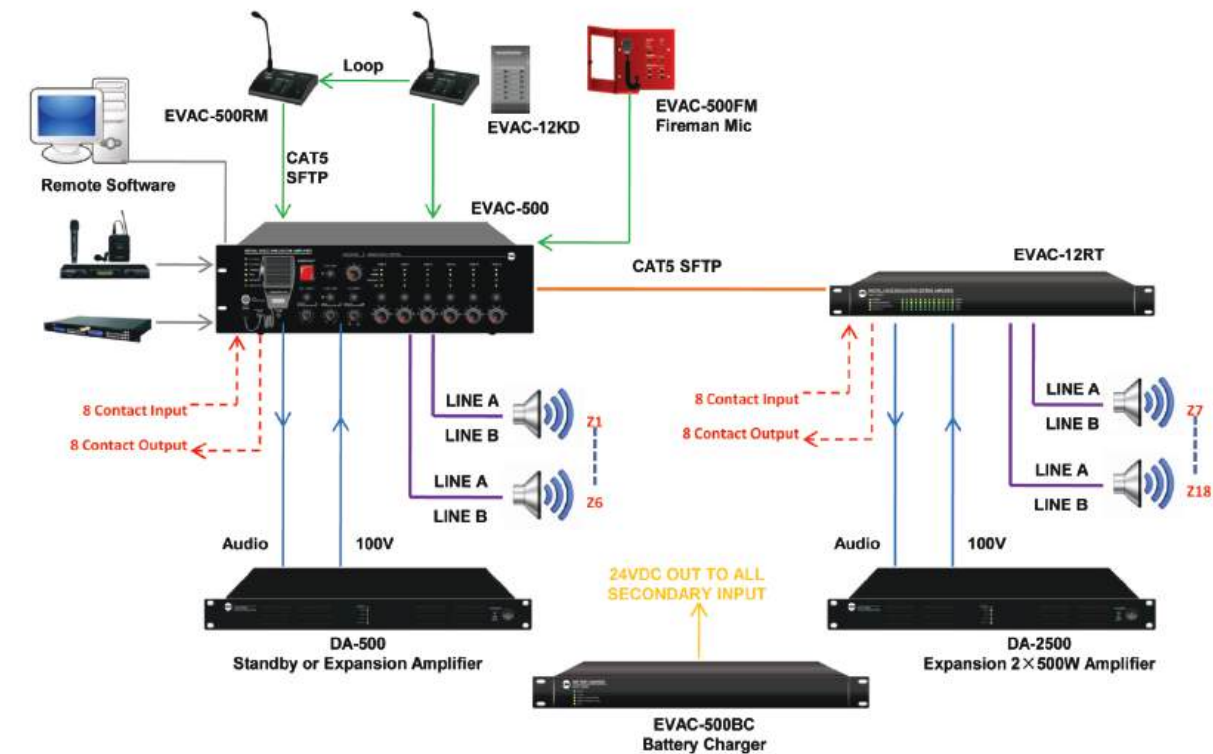
Voice Alarm
Class-D Amplifier
Mixer Amplifier
Power Amplifier
100V Speaker
IP Network Audio
IP Intercom
PA System
Microphone
Conference System
Pro Speaker
Pro Amplifier

IP 6 Zone Voice Alarm Amplifier

- Digital voice evacuation system all in one amplifier.
- IP based voice evacuation system with management software
- Built-up system over existing LAN network
- Specifications meet the standards of BS EN54-32 & EN608409.
- EN54-16 standards certificate is under taken.
- Built-in 240W & 500W 6 zone class-D amplifier.
- Integration of EVAC controller, paging system, PA system & BGM system together.
- Built-in two separate players for EVAC and alert voice message by SD card.
- Built-in 6 zone AB speaker line low impedance supervision.
- Built-in amplifier auto changeover into standby when fault.
- With external amplifier input to expansion the power.
- Capacity of connection 32 units remote microphones.
- Red button EVAC message push to activate with priority except fireman microphone.
- 6 zone speaker outputs with separate zone volume control (ATT).
- 6 zone separate indicator for EVAC, fault, music/paging & select.
- System indicators of AC, DC, fault and indicators for EVAC, alert & fireman microphone.
- Zone capacity of 120 zones by cascaded 19 routers.
- With 8 programmable control inputs and 8 programmable control outputs for voice evacuation system.
- With Fault, EVAC outputs and Reset input for third party system integration.
- With fireman microphone of highest priority.
- Priority level: fireman mic, EVAC, input 1, remote microphone, timer & BGM.
- Two combo inputs for mic/line, 4 line inputs and one REC output.
- Two RJ45 ports for router, two RJ45 for remote microphone input and two RJ45 for LAN/WAN/Internet network.
- With all main signal path supervision includes, EVAC message, fireman mic, remote mic, speaker line, amplifier failure, AC & DC failure.
- AC 230V and DC24V battery input. Auto switch into the battery backup when AC fails.

IP Based Remote Microphone with Touch Screen

- Digital voice evacuation system remote paging microphone.
- Each microphone of 120 zone capacity.
- System support 32 remote microphones of loop connection.
- IP based remote microphone with touch screen display.
- System indicators of AC, DC, fault, Mic status and test.
- 120 zone selection buttons through touch screen and all zone/talk button.
- Two RJ45 ports for connection with EVAC-500 and next remote microphone.
- One 3.5mm line input, with output volume control.
- Support PPT and normal paging two modes.
- IP based voice alarm system over LAN.
- IP based voice alarm system built-over over existing LAN network.
- DC24V power supply or POE.
- Support loop connection and paging microphone failure has been supervised.

IP 6 Zone Voice Alarm Router (with Amplifier)

- The IP based voice alarm router is needed for more than 6 zone system.
- Built-in 240W 6 zone class-D amplifier.
- Same function with voice alarm controller except without control function.
- The expansion router will be controlled by master voice alarm controller.
- Voice alarm messages receiving from master controller.
- With all main signal path supervision includes, EVAC message, fireman mic, remote mic, speaker line, amplifier failure, AC & DC failure.
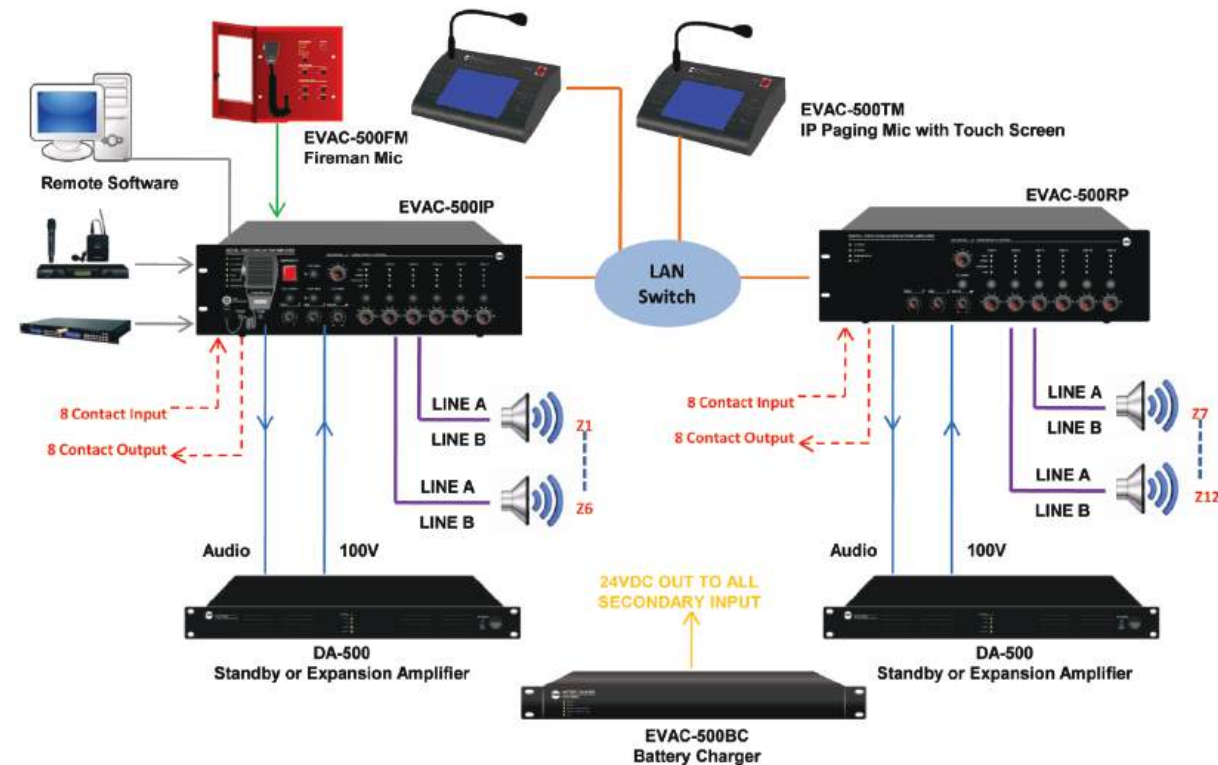
IP 6 Zone Voice Alarm Amplifier
EVAC-240IP (240W)
EVAC-500IP (500W)

IP Remote Paging Microphone
EVAC-500TM

IP 6 Zone Voice Alarm Router
EVAC-240RP (240W)
EVAC-500RP (500W)

Features:

- IP based power amplifier with remote management software
- Built-up over existing LAN network
- Digital amplifier with DSP (Digital signal processor)
- DSP with EQ, delay, limiter, crossover, compressor, input & out gain control, frequency filter
- Switching power technology Class-D digital power amplifier
- Class-D PA power amplifier of minimum power consumption
- 1RU height for less rack space and less heat generation
- Four channel power amplifier into 19" rack mount unit
- Rated power output at 4x60W, 4x120W, 4x240W
- Four channel separate speaker outputs 8Ω/100V
- Balanced line input by phoenix connector for four channels
- With mute input for fire alarm system
- Each input with separate gain control.
- Each four channel with high-cut filter.
- Built-in auto standby feature to save power consumption
- Separate four channel indicators for protection, clip, input and output
- Complete short circuit, overload, high temp, clip and DC protection
- Wide AC input switchable between 115V and 230V
- With DPA-4000RM for IP paging system
- DPA-4000RM is IP microphone with touch screen
- IP audio system zone capacity up to 200 zones
- With DPA-4000SV remote control to select 8 channels of music matrix for 4 zone outputs
- DPA-400SV enables to select different 8 programs and volume control
- Each zone possible to add one DPA-400SV for local control
- DPA-400SV is communication through CAT5 cable up to 200 meters

IP Network Power Amplifier with DSP
DPA-4060 (4x60W)
DPA-4120 (4x120W)
DPA-4240 (4x240W)

IP Network Remote Microphone
DPA-4000RM

Remote Control
DPA-4000SV

Model	DPA-4060	DPA-4120	DPA-4240
Description	IP Network Power Amplifier with DSP		
Rated Power Output	4x60W	4x120W	4x240W
Speaker Output	8Ω & 100V		
Source Channel	8 Selectable channels by remote control matrix for 4 zone outputs		
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	10KΩ		
THD	<0.1% (1KHz/-3dBv, 100W)		
S/N Ratio	>80dB		
Crosstalk	>60dB, 1KHz, Max output		
Power Consumption	300W	550W	1200W
Power Supply	AC input switchable between 115V & 230V, 50-60Hz		
Dimension	482(W)x420(D)x44(H) mm		
Weight	6kg	7kg	8kg

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker
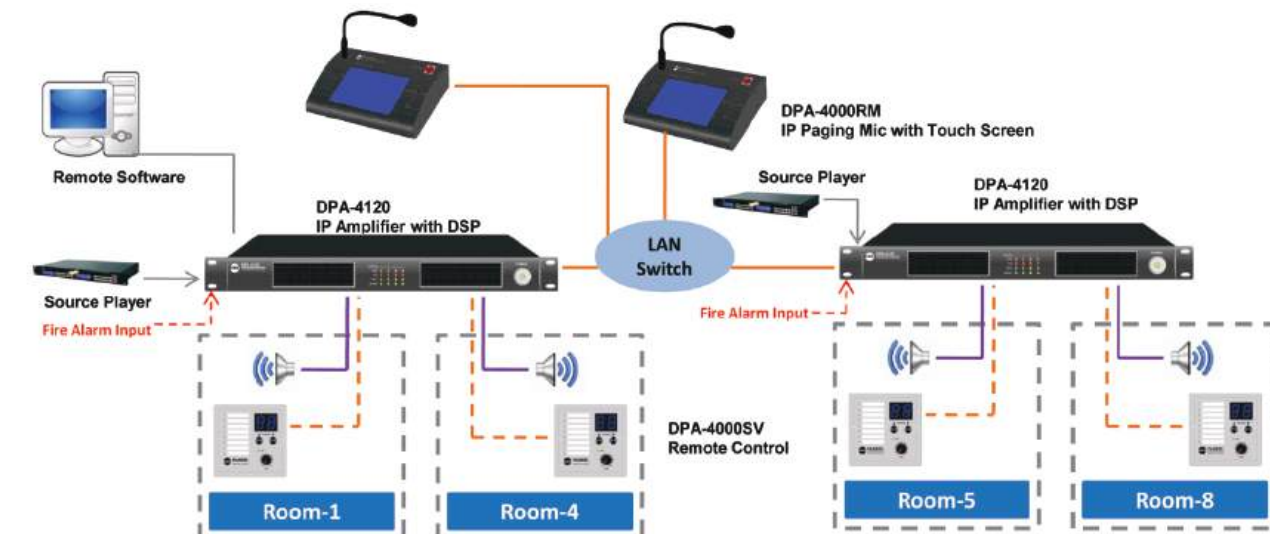
Pro Amplifier

Digital Class-D Power Amplifier

DA-120(120W)
DA-240(240W)
DA-350(350W)
DA-500(500W)

Digital Class-D Two Channel Power Amplifier

DA-2120(2×120W)
DA-2240(2×240W)
DA-2350(2×350W)
DA-2500(2×500W)

Digital Class-D Four Channel Power Amplifier

DA-4060(4x120W)
DA-4120(4x120W)
DA-4240(4x240W)
DA-4350(4x350W)
DA-4500(4x500W, AC only without DC24V)

Features:

- Switching power technology digital power amplifier
- Class-D PA power amplifier of minimum power consumption
- Less rack space and less heat generation
- Single channel power amplifier into 19" rack mount unit
- Rated power output at 120W, 240W, 350W, 500W, 1000W & 2000W
- Speaker outputs 4-16Ω/100V
- Balanced XLR input by phoenix connector
- Each input with separate gain control.
- Each channel with high-cut filter.
- Built-in auto standby feature to save power consumption
- Separate indicators for protection, clip, input and output
- Complete short circuit, overload, high temp, clip and DC protection
- Wide AC input switchable between 115V and 230V & DC24V battery input.

Features:

- Switching power technology digital power amplifier
- Class-D PA power amplifier of minimum power consumption
- Less rack space and less heat generation
- Two channel power amplifier into 19" rack mount unit
- Rated power output at 2x120W, 2x240W, 2x350W & 2x500W
- Two channel separate speaker outputs 4-16Ω/100V
- Balanced XLR input by phoenix connector for two channels
- Each input with separate gain control.
- Each two channel with high-cut filter.
- Built-in auto standby feature to save power consumption
- Separate two channel indicators tor protection, clip, input and output
- Complete short circuit, overload, high temp, clip and DC protection
- Wide AC input switchable between 115V and 230V & DC24V battery input.

- Switching power technology digital power amplifier
- Class-D PA power amplifier of minimum power consumption
- Less rack space and less heat generation
- Four channel power amplifier into 19" rack mount unit
- Rated power output at 4x60W, 4x120W, 4x240W, 4x350W & 4x500W
- Four channel separate speaker outputs 4-16Ω/100V
- Balanced XLR input by phoenix connector for four channels
- Each input with separate gain control.
- Each four channel with high-cut filter.
- Built-in auto standby feature to save power consumption
- Separate four channel indicators for protection, clip, input and output
- Complete short circuit, overload, high temp, clip and DC protection
- Wide AC input switchable between 115V and 230V & DC24V battery input

Specification:

Model	DA-120	DA-240	DA-350	DA-500
Description	Digital Class-D Single Channel Power Amplifier			
Rated Power Output	120W	240W	350W	500W
Speaker Output	4-16Ω & 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			
Input Impedance	10KΩ			
THD	<0.1%(1KHz/-3dBv, 100W)			
S/N Ratio	>80dB			
Crosstalk	>60dB, 1KHz, Max output			
Power Consumption	180W	280W	390W	540W
Power Supply	AC input switch able between 115V & 230V & 24V DC input, 50-60Hz			
Dimension	482（W）x420（D）x44（H）mm			
Weight	4. 0kg	4. 2kg	4. 5kg	5. 0kg

Specification:

Model	DA-2120	DA-2240	DA-2350	DA-2500
Description	Digital Class-D Two Channel Power Amplifier			
Rated Power Output	2x120W	2x240W	2x350W	2x500W
Speaker Output	4-16Ω & 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 two channels			
Input Impedance	10KΩ			
THD	<0.1%(1KHz/-3dBv, 100W)			
S/N Ratio	>80dB			
Crosstalk	>60dB, 1KHz, Max output			
Power Consumption	280W	520W	750W	1050W
Power Supply	AC input switch able between 115V & 230V & 24V DC input, 50-60Hz			
Dimension	482（W）x420（D）x44（H）mm			
Weight	7. 0kg	7. 3kg	7. 8kg	8. 2kg

Model	DA-4060	DA-4120	DA-4240	DA-4350	DA-4500
Description	Digital Class-D Four Channel Power Amplifier				
Rated Power Output	4x60W	4x120W	4x240W	4x350W	4x500W
Speaker Output	4-16Ω & 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	10KΩ				
THD	< 0.1% (1KHz/-3dBv, 100W)				
S/N Ratio	> 80dB				
Crosstalk	> 60dB, 1KHz, Max output				
Power Consumption	300W	550W	1100W	1650W	2100W
Power Supply	AC switchable between 115V & 230V & 24V DC input, 50-60Hz				Only AC
Dimension	482(W)x420(D)x44(H)mm				
Weight	8.0kg	8.3kg	8.8kg	9.2kg	9.8kg

- Compact mini size public address amplifier
- Built-in 100V/70V transformer technology
- Tabletop amplifier with Mp3 player, FM radio & blue tooth
- Rate power output at 30W, 60W to 120W
- Speaker output of 100V or 70V & 4 ohms-8 ohms-16 ohms
- Mp3 with USB/SD, IR remote control for Mp3 player, FM radio and blue tooth
- LED indicators for power, clip, protect and signal
- Mic1-3 and line 1-2 and telephone input. Mic1 of balanced XLR input with phantom power on rear panel
- Mic2-3 microphone or line switchable unbalanced 6.3mm phone jack input.
- Line 1-2 input of RCA input and one RCA line output.
- Telephone input with VOX priority and MOH (Music on Hold).
- Volume control for Mic1-3, line1-2, Mp3/FM, bass/treble and master
- With short-circuit, clip, overload and high temp protection
- AC 110-240V & 24V DC both operation system

COMPACT MIXER AMPLIFIER + USB/SD/FM/BLUETOOTH

EA-30 (30W)

EA-60 (60W)

EA-120 (120W)

Model	EA-30	EA-60	EA-120
Description	Compact Mixer Amplifier with USB/SD & FM & Blue Tooth		
Rated Power Output	30W	60W	120W
Speaker Outputs	100V or 70V & 4Ohms-8 Ohms-16 Ohms		
Connector	Mic1 input by balanced XLR with phantom power Input2-3 inputs Mic/Line switchable unbalanced 6.3mm phone jack Line1-2 inputs by RCA; Line output by RCA		
Attenuation	Microphone1-3, line1-2 and Mp3/FM, bass/treble and master		
Input	MIC1-3: 5-8mV, 600Ω; Line, 150-470mV, 10KΩ, unbalanced RCA		
Line Out	0.775(0dBV)		
Frequency Response	60Hz-15kHz(±3dB)		
S/N Ratio	Line ≥ 85dB, Mic≥ 72dB		
THD	Less than 0.5%		
Protection	short-circuit, clip, overload and high temp protection		
Power Consumption	60W	100W	200W
Power Supply	AC110-240V & 24V DC /50-60Hz		
Dimension	320(W)×210(D)×90(H)mm		
Weight	3.7kg	4.3kg	4.9kg

- 19" rack mount public address mixer amplifier
- Built-in 100V/70V transformer technology
- Tabletop amplifier with Mp3 player, FM radio & blue tooth
- Rate power output at 30W, 60W to 120W
- Speaker output of 100V or 70V & 4 ohms-8 ohms-16 ohms
- Mp3 with USB/SD, IR remote control for Mp3 player, FM radio and blue tooth
- LED indicators for power, clip, protect and signal
- Mic1-3 and line 1-2 and telephone input. Mic1 of balanced XLR input with phantom power on rear panel
- Mic2-3 microphone or line switchable unbalanced 6.3mm phone jack input.
- Line 1-2 input of RCA input and one RCA line output.
- Telephone input with VOX priority and MOH (Music on Hold).
- Volume control for Mic1-3, line1-2, Mp3/FM, bass/treble and master
- With short-circuit, clip, overload and high temp protection
- AC 110-240V & 24V DC both operation system

MIXER AMPLIFIER + USB/SD/FM/BLUETOOTH

EA-60A (60W)

EA-120A (120W)

EA-240A (240W)

EA-350A (350W)

EA-500A (500W)

Model	EA-60A	EA-120A	EA-240A	EA-350A	EA-500A
Description	Mixer Amplifier with USB/SD & FM & Blue Tooth				
Rated Power Output	60W	120W	240W	350W	500W
Speaker Outputs	100V or 70V & 4Ohms-8 Ohms-16 Ohms				
Connector	Mic1 input by balanced XLR with phantom power Input2-3 inputs Mic/Line switchable unbalanced 6.3mm phone jack Line1-2 inputs by RCA; Line output by RCA				
Attenuation	Microphone1-3, line1-2 and Mp3/FM, bass/treble and master				
Input	MIC1-3: 5-8mV, 600Ω; Line, 150-470mV, 10KΩ, unbalanced RCA				
Line Out	0.775(0dBV)				
Frequency Response	60Hz-15kHz(±3dB)				
S/N Ratio	Line ≥ 85dB, Mic≥ 72dB				
THD	Less than 0.5%				
Protection	short-circuit, clip, overload and high temp protection				
Power Consumption	80W	150W	300W	450W	650W
Power Supply	AC110-240V & 24V DC /50-60Hz				
Dimension	484(W)×320(D)×88(H)mm				
Weight	9.5kg	10.5kg	13.5kg	14.5kg	15.5kg

Features:

- Public address mixer power amplifier.
- 19" rack mount amplifier of 2U height.
- Rated outputs of 60W, 120W, 240W, 350W to 500W.
- speaker outputs of 100V or 70V & 4 ohms-8 ohms-16 ohms.
- Built-in MP3 player by USB & SD, FM tuner and blue tooth.
- Four microphone inputs, Mic1(6.3mm) and Mic/Line input 2-4 (XLR with phantom power).
- Line 1-2 inputs on rear panel by RCA.
- EMC input on rear panel with highest priority by RCA.
- Microphone1 of VOX features of highest input priority except EMC input.
- Volume control for Mic1-4 and line 1-2, bass & treble and zone volume control on front panel.
- AC and DC Power, protection, clip and output level meters.
- Overload, short circuit and high temp protection.
- AC 230V and DC24V operation system.

MIXER AMPLIFIER + USB/SD/FM/BLUETOOTH

DA-60A (60W)

DA-120A (120W)

DA-240A (240W)

DA-350A (350W)

DA-500A (500W)

Model	DA-60A	DA-120A	DA-240A	DA-350A	DA-500A
Description	PA 6 Zone Mixer Amplifier with Mp3 & Tuner				
Rated Power Output	60W RMS	120W RMS	240W RMS	350W RMS	500W RMS
Speaker Output	100V or 70V & 4 ohms-8 ohms-16 ohms				
Input	Mic1-4: 2.5mV, Mic1(6.3mm) and Mic/Line input 2-4 (XLR with phantom power) Line1-2: 250mV, RCA type; EMC: 250mV, RCA type				
Frequency Response	80-16KHz				
THD	<0.1%				
S/N Ratio	>70dB				
Protection	High temp, short circuit, clip & overload protection				
Power Supply	AC230V or AC110V, 50-60Hz				
Power Consumption	100W	200W	400W	500W	650W
Dimension	418(W)×318(D)×88(H)mm				
Weight	8.2Kg	9.5kg	12kg	13kg	14.5kg
Warranty	5 years				

- 19" rack mount public address 6 zone mixer amplifier
- Built-in 100V/70V transformer technology
- Tabletop amplifier with Mp3 player, FM radio & blue tooth
- Rate power output at 30W, 60W to 120W
- 6 zone speaker outputs of 100V
- Speaker output of 100V or 70V & 4 ohms-8 ohms-16 ohms
- Mp3 with USB/SD, IR remote control for Mp3 player, FM radio and blue tooth
- LED indicators for power, clip, protect and signal
- Mic1-3 and line 1-2 and telephone input. Mic1 of balanced XLR input with phantom power on rear panel
- Mic2-3 microphone or line switchable unbalanced 6.3mm phone jack input.
- Line 1-2 input of RCA input and one RCA line output.
- Telephone input with VOX priority and MOH (Music on Hold)
- With 6 zone & all zone selectors and indicators
- Volume control for Mic1-3, line1-2, Mp3/FM, bass/treble and master
- With short-circuit, clip, overload and high temp protection
- AC 110-240V & 24V DC both operation system

6 ZONE MIXER AMPLIFIER + USB/SD/FM/BLUETOOTH

EA-60Z (60W)

EA-120Z (120W)

EA-240Z (240W)

EA-350Z (350W)

EA-500Z (500W)

Model	EA-60Z	EA-120Z	EA-240Z	EA-350Z	EA-500Z
Description	6 Zone Mixer Amplifier with USB/SD & FM & Blue Tooth				
Rated Power Output	60W	120W	240W	350W	500W
6 Zone Output	100V				
Speaker Outputs	100V or 70V & 4Ohms-8 Ohms-16 Ohms				
Connector	Mic1 input by balanced XLR with phantom power Input2-3 inputs Mic/Line switchable unbalanced 6.3mm phone jack Line1-2 inputs by RCA; Line output by RCA				
Attenuation	Microphone1-3, line1-2 and Mp3/FM, bass/treble and master				
Input	MIC1-3: 5-8mV, 600Ω; Line, 150-470mV, 10KΩ, unbalanced RCA				
Line Out	0.775(0dBV)				
Frequency Response	60Hz-15kHz(±3dB)				
S/N Ratio	Line ≥ 85dB, Mic≥ 72dB				
THD	Less than 0.5%				
Protection	short-circuit, clip, overload and high temp protection				
Power Consumption	80W	150W	300W	450W	650W
Power Supply	AC110-240V & 24V DC /50-60Hz				
Dimension	484(W)×320(D)×88(H)mm				
Weight	9.5kg	10.5kg	13.5kg	14.5kg	15.5kg

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

- Public address (PA) 6 zone commercial mixer power amplifier.
- 19" rack mount amplifier of 2U height.
- Rated outputs of 60W, 120W, 240W, 350W to 500W.
- 6 zone speaker outputs of 100V of separate volume control.
- Six zone speaker outputs with independent volume control.
- Built-in MP3 player by USB & SD, FM tuner & blue tooth.
- Four microphone inputs, Mic1(6.3mm) and Mic/Line input 2-4 (balanced XLR with phantom power).
- Line 1-2 inputs on rear panel by RCA.
- EMC input on rear panel with highest priority by RCA.
- One amplifier capacity of 6 remote paging microphones DA-500RM up to 300 meters.
- Microphone1 of VOX features of highest input priority except EMC input.
- Volume control for Mic1-4 and line 1-2, bass & treble and zone volume control on front panel.
- AC and DC Power, protection, clip, six zone status indicators and output level meters.
- Overload, short circuit, clip and high temp protection.
- AC 230V and DC24V operation system.

6 ZONE MIXER AMPLIFIER + USB/SD/FM/BLUETOOTH
DA-60MT (60W)
DA-120MT (120W)
DA-240MT (240W)
DA-350MT (350W)
DA-500MT (500W)

DA-500RM
6 Zone Remote Microphone

Model	DA-60MT	DA-120MT	DA-240MT	DA-350MT	DA-500MT
Description	6 Zone Mixer Amplifier with USB/SD & FM & Blue Tooth				
Rated Power Output	60W RMS	120W RMS	240W RMS	350W RMS	500W RMS
Speaker Output	6 Zone 100V outputs				
Input	Mic1-4: 2.5mV, Mic1:(6.3mm) and Mic/Line input 2-4 (balanced XLR with phantom power) Line1-2: 250mV, RCA type; EMC: 250mV, RCA type				
Frequency Response	80-16KHz				
THD	<0.1%				
S/N Ratio	>70dB				
Protection	High temp, short circuit, clip & overvload protection				
Power Supply	AC230V or AC110V, 50-60Hz				
Power Consumption	100W	200W	400W	500W	650W
Dimension	418(W)×318(D)×88(H)mm				
Weight	8.2Kg	9.5kg	12kg	13kg	14.5kg

- 4×6 Matrix mixer amplifier with 6 x 30W, 6 x 60W 6 x 120W output
- 4 sources matrix distributed to 6 speaker zones
- Matrix amplifier with remote control panel and remote paging microphone.
- 6 remote control by CAT5 cable up to 200 meters to select program and control volume
- 6 remote paging microphone by CAT5 cable up to 200 meters communication
- Different 6 zone of different music program and different volume output.
- 6 Zone speaker outputs of 100V or 4/8 Ohms speakers.
- 3 mic/line switchable inputs of balanced XLR with 48V phantom power,
- 1 aux input and an integral USB/SD/FM player and Bluetooth receiver can be matrix switched to any of the 6 zones independently.
- Mic 1 channel has a variable override and each microphone input has switchable phantom power.
- A 6 zone remote paging microphone for paging & announcement system.
- Designed for multi-room systems requiring different audio sources.
- Integral USB/SD/FM audio player and remote control
- Internal Bluetooth receiver with mobile use
- 100V or 4/8 Ohms operation for PA system and hi-fi both sound system
- 6 independent output zones for multiple room sound system
- 24V mute contacts to integrate with fire alarm system
- AC230V and 24V DC both operation system.

4×6 MATRIX MIXER AMPLIFIER + USB/SD/FM/BLUETOOTH
PA-4030MX (4×30W)
PA-4060MX (4×60W)
PA-4120MX (4×120W)

PA-4000RM
6 Zone Remote Microphone

PA-4000SV
Remote Control

Model	PA-4030MX	PA-4060MX	PA-4120MX
Description	4×6 Matrix Mixer Amplifier with Mp3/FM/Blue Tooth		
Rated Power Output	6×30W	6×60W	6×120W
Speaker Output	100V and 4-8 Ohms		
Input	Mic/line1-3: 2.5mV, balanced XLR input with 48V phantom power, Line1-2: 250mV; RCA type Mute: 250mV, phoenix connector		
Remote Mic	6 units by CAT5 cable up to 200 meters, direct powered by amplifier		
Remote Panel	6 units by CAT5 cable up to 200 meters, direct powered by amplifier		
Frequency Response	80-16KHz		
THD	<0.1%		
S/N Ratio	>70dB		
Protection	High temp, short circuit, clip & overload protection		
Power Supply	AC230V or AC110V, 50-60Hz		
Power Consumption	100W	200W	400W
Dimension	484(W)×320(D)×88(H)mm		
Weight	13.5Kg	14.5kg	15.5kg

- Public address (PA) tabletop mixer power amplifier.
- Commercial & industrial range BGM & paging amplifier.
- Rated outputs of 60W, 120W, 240W & 350W.
- 70V, 100V and low impedance 4-16 ohms speaker outputs.
- 3 microphone inputs and 2 line inputs.
- Mic 1 on front panel by phone jack, mic2-3 on rear panel by phone jack.
- Line 1-2 inputs on rear panel by RCA.
- Microphonel of VOX features of highest input priority.
- Microphone 1-3 & Line 1-2 inputs volume control on front panel with bass and treble tone control.
- Power and output level meters.
- Overload, short circuit and high temp protection.
- With natural cooling fan to control the internal temperature.

Mixer Amplifier (6.3mm Jack Mic)
MA-60(60W)
MA-120(120W)
MA-240(240W)
MA-350(350W)

Model	MA-60	MA-120	MA-240	MA-350
Description	Mixer Amplifier			
Rated Power Output	60W	120W	240W	350W
Speaker Output	70V, 100V and 4-16Ω			
Input	Mic 1-3: 600 ohms(Ω) 5-8 mV, unbalanced, Line 1-2: 10k ohms(Ω) 150-470 mV, unbalanced			
Frequency Response	60-15KHz			
THD	< 0. 5% at 1kHz, 1/3 rated power			
S/N Ratio	Line: 85 dB, MIC: >72 dB			
Protection	High temp, short circuit, overload protection			
Power Supply	AC 230V or AC 110V, 50-60Hz			
Power Consumption	95W	185W	350W	485W
Dimension	484(W)x366(D)x88(H)mm			
Weight	10.5kg	11.5kg	13.8kg	14.5kg

- Public address (PA) tabletop mixer power amplifier.
- Commercial & industrial range BGM & paging amplifier.
- Mixer amplifier with Mp3 player by USB input.
- Rated outputs of 60W, 120W, 240W & 350W.
- 70V, 100V and low impedance 4-16 ohms speaker outputs.
- 3 microphone inputs and 2 line inputs.
- Mic 1 on front panel by phone jack, mic2-3 on rear panel by phone jack.
- Line 1-2 inputs on rear panel by RCA.
- Microphonel of VOX features of highest input priority.
- Microphone 1-3 & Line 1-2 inputs volume control on fronl panel with bass and treble tone control.
- Power and output level meters.
- Overload, short circuit and high temp protection.
- With natural cooling fan to control the internal temperature.

Mixer Amplifier with Mp3
MA-60UF(60W)
MA-120UF(120W)
MA-240UF(240W)
MA-350UF(350W)

Model	MA-60U	MA-120U	MA-240U	MA-350U
Description	Mixer Amplifier with Mp3			
Rated Power Output	60W	120W	240W	350W
Speaker Output	70V, 100V and 4-16Ω			
Input	Mic1-3: 600 ohms(Ω) 5-8 mV, unbalanced, Line1-2: 10k ohms(Ω) 150-470 mV, unbalanced			
Frequency Response	60-15KHz			
THD	<0.5% at 1kHz, 1/3 rated power			
S/N Ratio	Line: 85 dB, MIC: >72 dB			
Protection	High temp, short circuit, overload protection			
Power Supply	AC 230V or AC 110V, 50-60Hz			
Power Consumption	100W	190W	360W	490W
Dimension	484(W)x366(D)x88(H)mm			
Net. Weight	10.8kg	11.8kg	14.1kg	14.8kg

- Rack mount PA 100 Volt amplifier in 2U type
- Rated power of 240W, 350W, 450W & 650W.
- 70V, 100V and 4-16 ohm speaker outputs
- Isolated transformer for human safety operation
- Balanced XLR type line input and unbalanced phone jack line input
- Balanced XLR type line output feeds to another power amplifier
- Reliable protection of over heat, over load, clip & short circuit
- Indications for power, signal, clip, protection and temp
- DC 24V power supply backup input at request

Single Channel Power Amplifier

PA-240P(240W)

PA-350P(350W)

PA-450P(450W)

PA-650(650W)

Model	PA-240P	PA-350P	PA-450P	PA-650P
Description	Single Channel Power Amplifier			
Rated Power Output	240W	350W	450W	650W
Speaker Output	100V, 70V, 4-16Ω			
Input	10k ohms(Ω) < 1V, unbalanced phone jack and balanced XLR Input			
Output	10k ohms(Ω) 0.775V (0 dB), Unbalanced phone jack and balanced XLR Input			
Frequency Response	60-15KHz			
S/N Ratio	≥70dB			
THD	Less than 0.1 % at 1KHz, 1/3 rated power			
Cooling System	Fan auto open when internal temp reaches 55℃			
Protection	Temp, overload, short circuit & clip			
Power Supply	AC 230V or 110V, 50-60Hz			
Power Consumption	400W	590W	720W	950W
Dimension	484(W)x366(D)x88(H)mm			
Weight	12kg	15.2kg	17.7kg	19.8kg

- Rack mount PA 100 Volt amplifier in 3U type
- Rated power of 1000W, 1500W & 2000W.
- 70V, 100V and 4-16 ohm speaker outputs
- Isolated transformer for human safely operation
- Balanced XLR type line input and unbalanced phone jack line input
- Balanced XLR type line output feeds to another power amplifier
- Reliable protection of over heat, over load, clip & short circuit
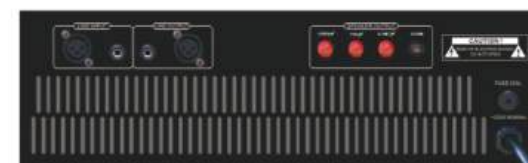- Indications for power, signal, clip, protection and temp

Single Channel Power Amplifier

PA-1000P(1000W)

PA-1500P(1500W)

PA-2000P(2000W)

Specification:

Model	PA-1000P	PA-1500P	PA-2000P
Description	Single Channel Power Amplifier		
Rated Power Output	1000W	1500W	2000W
Speaker Output	100V, 70V, 4-16Ω		
Input	10k ohms(Ω) < 1V, unbalanced phone jack and balanced XLR Input		
Output	10k ohms(Ω)0.775V (0 dB), Unbalanced phone jack and balanced XLR Input		
Frequency Response	60-15KHz		
S/N Ratio	≥70dB		
THD	Less than 0.1 % at 1KHz, 1/3 rated power		
Cooling System	Fan auto open when internal temp reaches 55℃		
Protection	Temp, overload, short circuit & clip		
Power Supply	AC 230V or 110V, 50-60Hz		
Power Consumption	1350W	2000W	2500W
Dimension	486x483x132mm		
Weight	25kg	27kg	31kg

- Rack mount PA 100 Volt two channel power amplifier in 2U type
- Rated power of 2x60W, 2x120W, 2x240W and 2x350W.
- 70V, 100V and 4-16 ohm two channel separate speaker outputs
- Isolated transformer for human safety operation
- Unbalanced two channel line inputs by RCA type.
- Reliable protection of over heat, over load, clip & short circuit
- Indications for power, signal, clip, protection and temp
- DC 24V power supply backup input at request

Two Channel Power Amplifier

PA-2060(2x60W)

PA-2120(2x120W)

PA-2240(2x240W)

PA-2350(2x350W)

Model	PA-2060P	PA-2120P	PA-2240P	PA-2350P
Description	Two Channel Power Amplifier			
Rated Power Output	2x60W	2x120W	2x240W	2x350W
Speaker Output	100V, 70V, 4-16Ω			
Input	unbalanced two RCA line inputs			
Frequency Response	60-15KHz			
S/N Ratio	≥85dB			
THD	Less than 0.5 % at 1KHz, 1/3 rated power			
Cooling System	Fan auto open when internal temp reaches 55℃			
Protection	Temp, overload, short circuit & clip			
Power Supply	AC 230V or 110V, 50-60Hz			
Power Consumption	185W	310W	620W	830W
Dimension	484x366x88mm			
Weight	10.5kg	11.5kg	13.8kg	14.5kg

- Rack mount PA 100 Volt four channel power amplifiers in 2U type
- Rated power of 4x60W, 4x120W, 4x180W and 4x240W.
- 70V, 100V and 4-16 ohm four channel separate speaker outputs
- Isolated transformer for human safety operation
- Unbalanced four channel line inputs by RCA type.
- Reliable protection of over heat, over load, clip & short circuit
- Indications for power, signal, clip. protection and temp
- DC 24V power supply backup input at request

Four Channel Power Amplifier

PA-4060(2x60W)

PA-4120(2x120W)

PA-4180(2x180W)

PA-2240(2x240W)

Model	PA-4060P	PA-4120P	PA-4180P	PA-4240P
Description	Four Channel Power Amplifier			
Rated Power Output	4x60W	4x120W	4x180W	4x240W
Speaker Output	100V, 70V, 4-16Ω			
Input	unbalanced two RCA line inputs			
Frequency Response	60-15KHz			
S/N Ratio	≥85dB			
THD	Less than 0.5 % at 1KHz, 1/3 rated power			
Cooling System	Fan auto open when internal temp reaches 55℃			
Protection	Temp, overload, short circuit & clip			
Power Supply	AC 230V or 110V, 50-60Hz			
Power Consumption	360W	680W	950W	1480W
Dimension	486x483x132mm			
Weight	13.5kg	15.8kg	19.8kg	22.5kg

CSK-36C
- 3" compact size ceiling speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Match with spot light fittings
- Dimension: 180(D)×60(H)mm
- Cutout: 95mm
- Material: ABS

CSK-36E
- 3" mini size ceiling speaker
- Tapping 6W-3W-1.5W 100 volt transformer 6W/12W @ 8Ω
- Match with spot light fittings
- Dimension: 101(D)×60(H)mm
- Cutout: 90mm
- Material: steel

CSK-46EA
- 4" mini size ceiling speaker
- Tapping 6W-3W-1.5W 100 volt transformer 6W/12W @ 8Ω
- Match with spot light fittings
- Dimension: 135(D)×85(H)mm
- Cutout: 112mm
- Material: steel

CSK-46EF
- 4" Ceiling Speaker
- Tapping 6W-3W 100 volt transformer
- Match with spot light fittings
- Dimension: 135(D)×113(H)mm
- Cutout: 112mm
- Material: steel

CSK-66WE
- 6" waterproof ceiling speaker
- Quick install range speaker
- IP66 waterproof rate
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 186(D)×65(H)mm
- Cutout: 165mm
- Material: ABS

CSK-56E
- 5" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 175(D)×75(H)mm
- Cutout: 150mm
- Material: ABS

CSK-66E
- 6" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 188(D)×80(H)mm
- Cutout: 168mm
- Material: ABS

CSK-810E
- 8" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 10W-6W-3W 100 volt transformer
- Dimension: 228(D)×90(H)mm
- Cutout: 205mm
- Material: ABS

CSK-46W
- 4" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 180(D)×60(H)mm
- Cutout: 155mm
- Material: steel

CSK-56W
- 5" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 200(D)×65(H)mm
- Cutout: 175mm
- Material: steel

CSK-66W
- 6" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 245(D)×69(H)mm
- Cutout: 220mm
- Material: steel

CSK-46AW
- 4" ceiling speaker with 1.5" tweeter
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 180(D)×60(H)mm
- Cutout: 155mm
- Material: steel

CSK-56AW
- 5" ceiling speaker with 1.5" tweeter
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 200(D)×65(H)mm
- Cutout: 175mm
- Material: steel

CSK-66AW
- 6" ceiling speaker with 1.5" tweeter
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 245(D)×69(H)mm
- Cutout: 220mm
- Material: steel

CSK-56MC
- 5" ceiling speaker with fire dome
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 200(D)×93(H)mm
- Cutout: 166mm
- Material: steel

CSK-66MC
- 6" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 245(D)×90(H)mm
- Cutout: 175mm
- Material: steel

CSK-86MC
- 6" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 265(D)×108(H)mm
- Cutout: 230mm
- Material: steel

CSK-56T
- 5" ceiling speaker with ABS back cover
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 180(D)×100(H)mm
- Cutout: 166mm
- Material: ABS frame and steel grille

CSK-56M
- 5" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 200(D)×60(H)mm
- Cutout: 166mm
- Material: steel

CSK-66M
- 6" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 245(D)×65(H)mm
- Cutout: 175mm
- Material: steel

CSK-86M
- 6" ceiling speaker hot selling range
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 265(D)×70(H)mm
- Cutout: 230mm
- Material: steel

CSK-66T
- 6" ceiling speaker with ABS back cover
- Quick install range speaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 210(D)×100(H)mm
- Cutout: 190mm
- Material: ABS frame and steel grille

CSK-56X
- 5" dual cone ceiling speaker
- BEST BUY and most versatile loudspeaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 203(D)×85(H)mm
- Cutout: 168mm
- Material: ABS frame and steel grille

CSK-610X
- 6" dual cone ceiling speaker
- BEST BUY and most versatile loudspeaker
- Tapping 10W-6W-3W 100 volt transformer
- Dimension: 230(D)×85(H)mm
- Cutout: 195mm
- Material: ABS frame and steel grille

CSK-815X
- 8" dual cone ceiling speaker
- BEST BUY and most versatile loudspeaker
- Tapping 15W-10W-5W 100 volt transformer
- Dimension: 280(D)×100(H)mm
- Cutout: 248mm
- Material: ABS frame and steel grille

CSK-56Q
- 5" coaxial ceiling speaker with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 203(D)×85(H)mm
- Cutout: 168mm
- Material: ABS frame and steel grille

CSK-610Q
- 6" coaxial ceiling speaker with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 10W-6W-3W 100 volt transformer
- Dimension: 230(D)×85(H)mm
- Cutout: 195mm
- Material: ABS frame and steel grille

CSK-815Q
- 8" coaxial ceiling speaker with 2" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 15W-10W-5W 100 volt transformer
- Dimension: 280(D)×100(H)mm
- Cutout: 248mm
- Material: ABS frame and steel grille

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

CMX

CSK-520T
100V LINE
- 5" coaxial ceiling speaker with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 20W-10W-5W 100 volt transformer
- Dimension: 203(D)×85(H)mm
- Cutout: 168mm
- Material: ABS frame and steel grille

CSK-630T
100V LINE
- 6" coaxial ceiling speaker with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 30W-15W-7.5W 100 volt transformer
- Dimension: 230(D)×85(H)mm
- Cutout: 195mm
- Material: ABS frame and steel grille

CSK-840T
100V LINE
- 8" coaxial ceiling speaker with 2" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 40W-20W-10W 100 volt transformer
- Dimension: 280(D)×100(H)mm
- Cutout: 248mm
- Material: ABS frame and steel grille

CSK-530HT
100V LINE
- Best design frameless ceiling speaker
- 5" coaxial speaker with 1.5" tweeter
- Power rms of 30W 100 volt transformer
- Dimension: 212(D)×84(H)mm
- Cutout: 170mm
- Material: ABS frame and steel magnetic grille

CSK-640HT
100V LINE
- Best design frameless ceiling speaker
- 6" coaxial speaker with 1.5" tweeter
- Power rms of 40W 100 volt transformer
- Dimension: 252(D)×98(H)mm
- Cutout: 211mm
- Material: ABS frame and steel magnetic grille

CSK-530HF
LOW IMPEDANCE
- Best design frameless ceiling speaker
- Hi-fi & home use ceiling speaker
- 5" coaxial speaker with 1.5" tweeter
- Power rms of 30W/60W @ 8Ω
- With two-way crossover
- Dimension: 212(D)×84(H)mm
- Cutout: 170mm
- Material: ABS frame and steel magnetic grille

CSK-640HF
LOW IMPEDANCE
- Best design frameless ceiling speaker
- Hi-fi & home use ceiling speaker
- 6" coaxial speaker with 1.5" tweeter
- Power rms of 40W/80W @ 8Ω
- With two-way crossover
- Dimension: 252(D)×98(H)mm
- Cutout: 211mm
- Material: ABS frame and steel magnetic grille

CSK-530L
LOW IMPEDANCE
- Hi-fi & home use ceiling speaker
- 5" coaxial speaker with 1.5" tweeter
- Power rms of 30W/60W @ 8Ω
- With three-way crossover
- Dimension: 203(D)×85(H)mm
- Cutout: 168mm
- Material: ABS frame and steel magnetic grille

CSK-640L
LOW IMPEDANCE
- Hi-fi & home use ceiling speaker
- 6" coaxial speaker with 1.5" tweeter
- Power rms of 40W/80W @ 8Ω
- With three-way crossover
- Dimension: 230(D)×85(H)mm
- Cutout: 195mm
- Material: ABS frame and steel magnetic grille

CSK-860L
LOW IMPEDANCE
- Hi-fi & home use ceiling speaker
- 8" coaxial speaker with 2" tweeter
- Power rms of 60W/120W @ 8Ω
- With three-way crossover
- Dimension: 230(D)×85(H)mm
- Cutout: 195mm
- Material: ABS frame and steel magnetic grille

CSK-520H
100V LINE / LOW IMPEDANCE
- 5" coaxial ceiling speaker with 1.5" tweeter
- Hi-fi ceiling speaker with ABS back cover
- BEST BUY and most versatile loudspeaker
- Power rms of 20W 100 volt transformer
- Dimension: 212(D)×165(H)mm
- Cutout: 180mm
- Material: ABS frame and steel grille

CSK-630H
100V LINE / LOW IMPEDANCE
- 6" coaxial ceiling speaker with 1.5" tweeter
- Hi-fi ceiling speaker with ABS back cover
- BEST BUY and most versatile loudspeaker
- Power rms of 30W 100 volt transformer
- Dimension: 245(D)×150(H)mm
- Cutout: 210mm
- Material: ABS frame and steel grille

CSK-840H
100V LINE / LOW IMPEDANCE
- 8" coaxial ceiling speaker with 2" tweeter
- Hi-fi ceiling speaker with ABS back cover
- BEST BUY and most versatile loudspeaker
- Power rms of 40W 100 volt transformer
- Dimension: 285(D)×190(H)mm
- Cutout: 250mm
- Material: ABS frame and steel grille

CMX

CSK-520K
100V LINE / LOW IMPEDANCE
- 5" coaxial ceiling speaker with 1.5" tweeter
- Hi-fi ceiling speaker with fire dome
- BEST BUY and most versatile loudspeaker
- Tapping of 20W-10W-5W-2.5W @100V
- Power rms 20W/40W @8Ω
- Dimension: 203(D)×145(H)mm
- Cutout: 168mm
- Material: ABS frame and steel grille

CSK-630K
100V LINE / LOW IMPEDANCE
- 6" coaxial ceiling speaker with 1.5" tweeter
- Hi-fi ceiling speaker with fire dome
- BEST BUY and most versatile loudspeaker
- Tapping of 30W-15W-7.5W-3.75W @100V
- Power rms 30W/60W @8Ω
- Dimension: 230(D)×150(H)mm
- Cutout: 195mm
- Material: ABS frame and steel grille

CSK-840K
100V LINE / LOW IMPEDANCE
- 8" coaxial ceiling speaker with 2" tweeter
- Hi-fi ceiling speaker with fire dome
- BEST BUY and most versatile loudspeaker
- Tapping of 40W-20W-15W-7.5W @100V
- Power rms 40W/80W @8Ω
- Dimension: 280(D)×185(H)mm
- Cutout: 248mm
- Material: ABS frame and steel grille

SUB860
100V LINE
- 8" ceiling subwoofer for extra bass effect
- Match with all 100V or low impedance speaker
- Tapping of 100W-60W @100V
- Dimension: 400(D)×330(H)mm
- Cutout: 360mm
- Material: ABS frame and steel grille

IWS-56S
100V LINE
- 5" dual cone in-wall speaker
- BEST BUY and most versatile loudspeaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 190(W)×190(D)×80(H)mm
- Cutout: 160(W)×160(D)mm
- Material: ABS frame and steel grille

IWS-66S
100V LINE
- 6" dual cone in-wall speaker
- BEST BUY and most versatile loudspeaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 220(W)×220(D)×80(H)mm
- Cutout: 190(W)×190(D)mm
- Material: ABS frame and steel grille

IWS-86S
100V LINE
- 8" dual cone in-wall speaker
- BEST BUY and most versatile loudspeaker
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 255(W)×255(D)×85(H)mm
- Cutout: 225(W)×225(D)mm
- Material: ABS frame and steel grille

IWS-520T
100V LINE
- 5" coaxial in-wall speaker with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 20W-10W-5W 100 volt transformer
- Dimension: 190(W)×190(D)×80(H)mm
- Cutout: 160(W)×160(D)mm
- Material: ABS frame and steel grille

IWS-630T
100V LINE
- 6" coaxial in-wall speaker with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 30W-15W-7.5W 100 volt transformer
- Dimension: 220(W)×220(D)×95(H)mm
- Cutout: 190(W)×190(D)mm
- Material: ABS frame and steel grille

IWS-840T
100V LINE
- 8" coaxial in-wall speaker with 2" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 40W-20W-10W 100 volt transformer
- Dimension: 255(W)×255(D)×100(H)mm
- Cutout: 225(W)×225(D)mm
- Material: ABS frame and steel grille

IWS-410K
100V LINE
- 4" two way in-wall speakers with 1" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 10W-5W-2.5W 100 volt transformer
- Dimension: 220(W)×150(D)×70(H)mm
- Cutout: 195(W)×120(D)mm
- Material: ABS frame and steel grille

IWS-520K
100V LINE
- 5" two way in-wall speakers with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 20W-10W-5W 100 volt transformer
- Dimension: 280(W)×192(D)×75(H)mm
- Cutout: 250(W)×160(D)mm
- Material: ABS frame and steel grille

IWS-630K
100V LINE
- 6" two way in-wall speakers with 1.5" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 30W-15W-7.5W 100 volt transformer
- Dimension: 310(W)×223(D)×85(H)mm
- Cutout: 275(W)×190(D)mm
- Material: ABS frame and steel grille

IWS-840K
100V LINE
- 8" two way in-wall speakers with 2" tweeter
- BEST BUY and most versatile loudspeaker
- Tapping 40W-20W-10W 100 volt transformer
- Dimension: 360(W)×256(D)×100(H)mm
- Cutout: 325(W)×220(D)mm
- Material: ABS frame and steel grille

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

FCS-56M
- 5" Fireproof Ceiling Speaker
- Fire dome, thermal fuse and ceramic connector
- EN54-24 certificate is under process
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 180(D)×127(H)mm
- Cutout: 160mm
- Material: steel frame and steel grille

FCS-66M
- 6" Fireproof Ceiling Speaker
- Fire dome, thermal fuse and ceramic connector
- EN54-24 certificate is under process
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 230(D)×127(H)mm
- Cutout: 204mm
- Material: steel frame and steel grille

FCS-86M
- 8" Fireproof Ceiling Speaker
- Fire dome, thermal fuse and ceramic connector
- EN54-24 certificate is under process
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 270(D)×131(H)mm
- Cutout: 230mm
- Material: steel frame and steel grille

FCS-56C
- 5" Fireproof Ceiling Speaker
- Fire dome, thermal fuse and ceramic connector
- EN54-24 certificate is under process
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 200(D)×110(H)mm
- Cutout: 170mm
- Material: steel frame and steel grille

FWS-56M
- 5" Fireproof wall mount Speaker
- Fire cabinet, thermal fuse and ceramic connector
- EN54-24 certificate is under process
- Tapping 6W-3W-1.5W 100 volt transformer
- Dimension: 165(W)×180(D)×60(H)mm
- Material: steel

EXH-635
- Explosion-proof horn speaker
- IP66 waterproof and dustproof rate.
- Power rms 35W 100 volt transformer
- Steel enclosure and stainless steel bracket in red.
- Compliant with explosion-proof EXDII CT6.
- Compliant with fire-proof EN54-24 standards.
- Dimension: 202(W)×135(D)×285(H)mm

EXH-635A
- Explosion-proof horn speaker
- IP66 waterproof and dustproof rate.
- Power rms 35W 100 volt transformer
- Steel enclosure and stainless steel bracket in red.
- Compliant with explosion-proof EXDII CT6.
- Compliant with fire-proof EN54-24 standards.
- Dimension: 420(W)×295(D)×295(H)mm

Model	MCS-420	MCS-525	MCS-625
Description	Marine Ceiling Speaker		
Speaker Size	4" coaxial PP	5" coaxial PP	6" coaxial PP
Max/Rated Output	40W/20W	45W/25W	45W/25W
Impedance	8 Ohms		
Frequency Response	95-20KHz		
SPL(@1W/m)	92dB		
Speaker Unit	Coaxial waterproof PP cone		
Dimension	141(D)×70(H)mm	165(D)×75(H)mm	190(D)×90(H)mm
Cutout Size	105mm	122mm	147mm
Operation Temp	-20℃ to +55℃		
Humidity	90-95%		
Weight	0.5kg	0.7kg	0.8kg

Model	MCS-418	MCS-520	MCS-620
Description	Marine Ceiling Speaker		
Speaker Size	4" dual cone PP	5" dual cone PP	6" dual cone PP
Max/Rated Output	35W/18W	40W/20W	40W/20W
Impedance	4 Ohm		
Frequency Response	100-17KHz		
SPL(@1W/m)	90dB		
Dimension	141(D)×70(H)mm	165(D)×75(H)mm	190(D)×90(H)mm
Cutout Size	105mm	122mm	147mm
Material	ABS enclosure and ABS grille in white		
IP Rate	IP66		
Operation Temp	-20℃ to +55℃		
Humidity	90-95%		

Slim Outdoor Column Speaker
- Slim line column speakers suitable for outdoor applications
- Made from extruded aluminum with a white protective finish
- Crisp & clear sound reproduction and a 100V line transformer
- 2.5" full range waterproof speaker units
- IP66 outdoor waterproof and dustproof rate
- With full stainless mounting bracket and screws
- With speaker cable tail

Model	CLSK-10C	CLSK-20C	CLSK-30C	CLSK-40C
Tapping	15W-10W	30W-20W	45W-30W	60W-40W
IP Rate	IP66	IP66	IP66	IP66
SPL @1W/1m	88dB	91dB	92dB	93dB
Freq Response	170-15KHz	170-15KHz	170-15KHz	170-15KHz
Dimension	262×106×75	405×106×75	548×106×75	691×106×75
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	1.4kg	2.0kg	2.8kg	3.5kg

Slim Outdoor Column Speaker
- Slim line column speakers suitable for outdoor applications
- Made from extruded aluminum with a white protective finish
- Crisp & clear sound reproduction and a 100V line transformer
- 2.5" full range waterproof speaker units
- IP66 outdoor waterproof and dustproof rate
- With full stainless mounting bracket and screws
- With speaker cable tail

Model	CLSK-10T	CLSK-20T	CLSK-30T	CLSK-40T
Tapping	10W-5W	20W-10W	30W-15W	40W-20W
IP Rate	IP66	IP66	IP66	IP66
SPL @1W/1m	88dB	91dB	92dB	93dB
Freq Response	170-15KHz	170-15KHz	170-15KHz	170-15KHz
Dimension	262×106×75	405×106×75	548×106×75	691×106×75
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	1.4kg	2.0kg	2.8kg	3.5kg

Outdoor Column Speaker
- Column speakers suitable for outdoor applications
- Ideal for both outdoor background music and paging system
- Aluminum body, grille and cover of anti-rust finish
- Crisp & clear sound reproduction and a 100V line transformer
- 4" full range waterproof speaker units
- IP66 outdoor waterproof and dustproof rate
- With full stainless mounting bracket and screws
- With speaker cable tail

Model	CLSK-10K	CLSK-20K	CLSK-30K	CLSK-40K
Tapping	15W-10W	30W-20W	45W-30W	60W-40W
IP Rate	IP66	IP66	IP66	IP66
SPL @1W/1m	88dB	91dB	92dB	93dB
Freq Response	100-15KHz	100-15KHz	100-15KHz	100-15KHz
Dimension	253×152×100	375×152×100	493×152×100	613×152×100
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	1.6kg	2.5kg	3.3kg	4.0kg

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

CMX

Outdoor Column Speaker

100V LINE   IP65

- Column speakers suitable for outdoor applications
- Ideal for both outdoor background music and paging system
- Aluminum body, grille and cover of anti-rust finish
- Crisp & clear sound reproduction and a 100V line transformer
- 4" full range waterproof speaker units
- IP66 outdoor waterproof and dustproof rate
- With full stainless mounting bracket and screws
- With speaker cable tail
 - **Optional to have tweeter**

Model	CLSK-10M	CLSK-20M	CLSK-30M	CLSK-40M
Tapping	10W-5W	20W-10W	30W-15W	40W-20W
IP Rate	IP66	IP66	IP66	IP66
SPL @1W/1m	89dB	92dB	93dB	94dB
Freq Response	100-15KHz	100-15KHz	100-15KHz	100-15KHz
Dimension	258×151×125	378×151×125	498×151×125	618×151×125
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	1.9kg	2.9kg	3.9kg	4.8kg

High Power Outdoor Column Speaker

100V LINE   IP65

- Column speakers suitable for outdoor applications
- Ideal for both outdoor background music and paging system
- Aluminum body, grille and cover of anti-rust finish
- Crisp & clear sound reproduction and a 100V line transformer
- 6" full range waterproof speaker units
- IP66 outdoor waterproof and dustproof rate
- With full stainless mounting bracket and screws
- With speaker cable tail
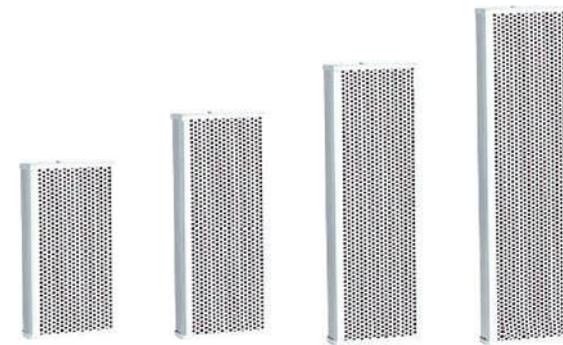
Model	CLSK-60H	CLSK-80H	CLSK-100H	CLSK-120H
Tapping	60W-30W	80W-40W	100W-50W	120W-60W
IP Rate	IP66	IP66	IP66	IP66
SPL @1W/1m	95dB	96dB	97dB	98dB
Freq Response	140-18KHz	140-18KHz	140-18KHz	140-18KHz
Dimension	736×227×125	952×227×125	1168×227×125	1384×227×125
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	6.8kg	8.6kg	10.5kg	12.5kg

Indoor Column Speaker

100V LINE

- Column speakers suitable for indoor applications
- Ideal for both background music and paging system
- Wooden body & fabric grille
- Crisp & clear sound reproduction and a 100V line transformer
- 4" full range paper speaker units
- With hanging hook for wall mount installation

Model	CLSK-20W	CLSK-30W	CLSK-40W
Tapping	20W-10W	30W-15W	40W-20W
SPL @1W/1m	92dB	93dB	94dB
Freq Response	130-18KHz	130-18KHz	130-18KHz
Dimension	360×160×115	485×160×115	610×160×115
Material	Aluminum	Aluminum	Aluminum
Weight	3.0kg	4.0kg	5.0kg

CMX

WSK-33T
100V LINE   IP55
- Mini-size 3" wall mount speaker
- Waterproof speaker for bathroom and SPA
- Power rms 3W 100V transformer
- Dimension: 120×120×60mm
- Material: ABS
- Weight: 0.4kg

WSK-46M
100V LINE
- Mini-size 4" wall mount speaker
- Best seller universal box speaker
- Tapping 6W-3W-1.5W 100V transformer
- Dimension: 161×161×100mm
- Material: ABS
- Weight: 0.8kg

WSK-56C
100V LINE
- 5" wall mount speaker
- Best seller universal box speaker
- Tapping 6W-3W-1.5W 100V transformer
- Dimension: 312×210×85mm
- Material: ABS
- Weight: 1.4kg

WSK-610C
100V LINE
- 6" wall mount speaker
- Best seller universal box speaker
- Tapping 10W-6W-3W 100V transformer
- Dimension: 350×240×100mm
- Material: ABS
- Weight: 1.7kg

WSK-610F
100V LINE
- 6" wall mount speaker
- Two way speaker with 1.5" tweeter
- Quick installation box speaker
- Tapping 15W-10W 100V transformer
- Dimension: 260×170×120mm
- Material: ABS
- Weight: 1.2kg

WSK-610K
100V LINE
- 6" wall mount speaker
- Two way speaker with 1.5" tweeter
- Quick installation box speaker
- Power rms 10W 100V transformer
- Dimension: 268×165×80mm
- Material: ABS
- Weight: 1.2kg

WSK-610P
100V LINE
- 6" wall mount speaker
- Quick installation box speaker
- Tapping 10W-6W-3W 100V transformer
- Dimension: 260×184×120mm
- Material: ABS
- Weight: 1.2kg

WSK-510D
100V LINE
- 2×5" wall mount speaker
- Dual direction wall mount speaker
- Quick installation box speaker
- Tapping 6W-3W-1.5W 110V transformer
- Dimension: 290×130×215mm
- Material: ABS
- Weight: 1.3kg

WSK-420KW
100V LINE
- Indoor & outdoor wall mount speaker
- 4" two way speaker with 1.5" tweeter
- Power rms 10W-20W 100V transformer
- Dimension: 227×152×136mm
- Material: ABS, white
- With 360°rotatable mounting bracket
- Weight: 2.2kg

WSK-530KW
100V LINE
- Indoor & outdoor wall mount speaker
- 5" two way speaker with 1.5" tweeter
- Power rms 20W-30W 100V transformer
- Dimension: 263×180×148mm
- Material: ABS, white
- With 360°rotatable mounting bracket
- Weight: 2.5kg

WSK-530TW
100V LINE   IP55
- Indoor & outdoor wall mount speaker
- 6" two way speaker with 1.5" tweeter
- Tapping 40W-20W-10W 100V transformer
- Power rms 40W/80W @8Ω
- Dimension: 295×196×157mm
- Material: ABS white
- With U-shaped mounting bracket
- Weight: 3.6kg

WSK-530T
100V LINE   IP55
- Indoor & outdoor wall mount speaker
- 6" two way speaker with 1.5" tweeter
- Tapping 40W-20W-10W 100V transformer
- Power rms 40W/80W @8Ω
- Dimension: 295×196×157mm
- Material: ABS black
- With U-shaped mounting bracket
- Weight: 3.6kg

WSK-530W
100V LINE   IP55
- Outdoor wall mount speaker
- 5" two way speaker system
- Tapping 30W-15W 100V transformer
- Dimension: 140×140×140mm
- IP55 waterproof rate
- Material: Aluminum, black or white
- With 360°rotatable stainless mounting bracket
- Weight: 2.6kg

WSK-530B
100V LINE   IP55
- Outdoor wall mount speaker
- 5" two way speaker system
- Tapping 30W-15W 100V transformer
- Dimension: 140×140×140mm
- IP55 waterproof rate
- Material: Aluminum, black or white
- With 360°rotatable stainless mounting bracket
- Weight: 2.6kg

WSK-530PW
100V LINE   IP55
- Outdoor wall mount speaker
- 5" two way speaker system
- Power rms 30W/60W @8Ω
- Dimension: 140×140×140mm
- IP55 waterproof rate
- Material: Aluminum, black or white
- With 360°rotatable stainless mounting bracket
- Weight: 2.6kg

WSK-530PB
100V LINE   IP55
- Outdoor wall mount speaker
- 5" two way speaker system
- Power rms 30W/60W @8Ω
- Dimension: 140×140×140mm
- IP55 waterproof rate
- Material: Aluminum, black or white
- With 360°rotatable stainless mounting bracket
- Weight: 2.6kg

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

CMX

- Weather resistant speakers are suitable for indoor and outdoor applications.
- Ideal for PA, hi-fi, monitor, stereo or surround sound system.
- Two-way speaker system with tweeter and crossover.
- Support 100V, 70V & 8Ω multiple tappings.
- Wide frequency up to 20kHz

⚠ 100V LINE   Ω LOW IMPEDANCE   ❄ IP35

Wall-Mount Speaker			
Model	WSK-420CS	WSK-530CS	WSK-640CS
Tapping	20W-10W-5W-2.5W	30W-15W-7.5W-3.75W	40W-20W-10W-5W
Power RMS @8Ω	20W/40W	30W/60W	40W/80W
Speaker	4"+1.5"tweeter	5"+1.5"tweeter	6"+1.5"tweeter
IP Rate	IP35	IP35	IP35
SPL @1W/1m	92dB	94dB	96dB
Freq Response	100-20KHz	100-20KHz	100-20KHz
Dimension	160×150×225mm	185×170×257mm	215×190×285mm
Material	ABS, black	ABS, black	ABS, black
Weight	2.2kg	2.5kg	3.5kg

Low Impedance 8Ω Version: WSK-420LC, WSK-530LC, WSK-640LC

100V or 70V Version: WSK-420C, WSK-530C, WSK-640C

Wall-Mount Speaker			
Model	WSK-420CSW	WSK-530CSW	WSK-640CSW
Tapping	20W-10W-5W-2.5W	30W-15W-7.5W-3.75W	40W-20W-10W-5W
Power RMS @8Ω	20W/40W	30W/60W	40W/80W
Speaker	4"+1.5"tweeter	5"+1.5"tweeter	6"+1.5"tweeter
IP Rate	IP35	IP35	IP35
SPL @1W/1m	92dB	94dB	96dB
Freq Response	100-20KHz	100-20KHz	100-20KHz
Dimension	160×150×225mm	185×170×257mm	215×190×285mm
Material	ABS, white	ABS, white	ABS, white
Weight	2.2kg	2.5kg	3.5kg

Low Impedance 8Ω Version: WSK-420LCW, WSK-530LCW, WSK-640LCW

100V or 70V Version: WSK-420CW, WSK-530CW, WSK-640CW

CMX

- Weather resistant speakers are suitable for indoor and outdoor applications.
- Ideal for PA, hi-fi, monitor, stereo or surround sound system.
- Two-way speaker system with tweeter and crossover.
- Support 100V, 70V & 8Ω multiple tappings.
- Wide frequency up to 20kHz

⚠ 100V LINE   Ω LOW IMPEDANCE   ❄ IP35

Wall-Mount Speaker				
Model	WSK-420H	WSK-530H	WSK-640H	WSK-860H
Tapping	20W-10W-5W-2.5W	30W-15W-7.5W-3.75W	40W-20W-10W-5W	60W-30W-15W-7.5W
Power RMS @8Ω	20W/40W	30W/60W	40W/80W	60W/120W
Speaker	4"+1.5"tweeter	5"+1.5"tweeter	6"+1.5"tweeter	8" +2" tweeter
IP Rate	IP35	IP35	IP35	IP35
SPL @1W/1m	92dB	94dB	96dB	97dB
Freq Response	100-20KHz	100-20KHz	100-20KHz	100-20KHz
Dimension	257×165×155mm	275×185×170mm	335×215×195mm	417×289×255mm
Material	ABS, black	ABS, black	ABS, black	ABS, black
Weight	2.5kg	3.1kg	3.7kg	6.6kg

Low Impedance 8Ω Version: WSK-420LH, WSK-530LH, WSK-640LH, WSK-860LH

100V or 70V Version: WSK-420HS, WSK-530HS, WSK-640HS, WSK-860HS

Wall-Mount Speaker				
Model	WSK-420HW	WSK-530HW	WSK-640HW	WSK-860HW
Tapping	20W-10W-5W-2.5W	30W-15W-7.5W-3.75W	40W-20W-10W-5W	60W-30W-15W-7.5W
Power RMS @8Ω	20W/40W	30W/60W	40W/80W	60W/120W
Speaker	4"+1.5"tweeter	5"+1.5"tweeter	6"+1.5"tweeter	8" +2" tweeter
IP Rate	IP35	IP35	IP35	IP35
SPL @1W/1m	92dB	94dB	96dB	97dB
Freq Response	100-20KHz	100-20KHz	100-20KHz	100-20KHz
Dimension	257×165×155mm	275×185×170mm	335×215×195mm	417×289×255mm
Material	ABS, white	ABS, white	ABS, white	ABS, white
Weight	2.5kg	3.1kg	3.7kg	6.6kg

Low Impedance 8Ω Version: WSK-420LH, WSK-530LH, WSK-640LH, WSK-860LH

100V or 70V Version: WSK-420HSW, WSK-530HSW, WSK-640HSW, WSK-860HSW

Voice Alarm
Class-D Amplifier
Mixer Amplifier
Power Amplifier
100V Speaker
IP Network Audio
IP Intercom
PA System
Microphone
Conference System
Pro Speaker
Pro Amplifier

100V Horn Speaker

Model	HSK-10C	HSK-15C	HSK-30C	MHS-30	MHS-60
Description	10W Outdoor Horn Speaker	15W Outdoor Horn Speaker	30W Outdoor Horn Speaker	30W Outdoor Music Horn Speaker	50W Outdoor Music Horn Speaker
Rated Power Output	1.25W~2.5W~5W~10W	3.75W~7.5W~15W	7.5W~15W~30W	7.5W~15W~30W	12.5W~25W~50W
Line Input	100V or 70V	100V or 70V	100V or 70V	100V or 70V	100V/70V & 8Ω
Frequency Response	400~8KHz	300~8KHz	350~8KHz	100~10KHz	90~20KHz
SPL(@1W/m)	97dB	102dB	105dB	97dB	99dB
IP Rate	IP66	IP66	IP66	IP66	IP66
Connector	By speaker cable tail	By speaker cable tail	By speaker cable tail	By water prooffinishs peaker table	By screw terminal with waterproof cover
Dimension	190(D) x 140(H)mm	230(D) x 200(H)mm	292(D) x 246(H)mm	366(W) x 272(D) x 165(H)mm	362(W) x 310(D) x 252(H)mm
Net Weight	1.2kg	1.3kg	2.1kg	3kg	3.9kg
Material	UV protected ABS enclosure and stainless metal bracket				
Mounting Way	Quick installation by supplied stainless mounting bracket				

100V Horn Speaker

Model	HSK-10T	HSK-15T	HSK-30T	HSK-50T
Description	10W Outdoor Horn Speaker	15W Outdoor Horn Speaker	30W Outdoor Horn Speaker	50W Outdoor Horn Speaker
Rated Power Output	1.25W~2.5W~5W~10W	3.75W~7.5W~15W	7.5W~15W~30W	12.5W~25W~50W
Line Input	100V or 70V	100V or 70V	100V or 70V	100V or 70V
Frequency Response	400~8KHz	400~8KHz	350~8KHz	380~6.8KHz
SPL(@1W/m)	109dB	105dB	105dB	109dB
IP Rate	IP66	IP66	IP66	IP66
Connector	By speaker cable tail	By speaker cable tail	By speaker cable tail	By speaker cable tail
Dimension	190(W) x 180(D) x 130(H)mm	232(W) x 222(D) x 162(H)mm	285(W) x 280(D) x 205(H)mm	400(W) x 309(D) x 235(H)mm
Net Weight	1kg	1.4kg	2kg	2.6kg
Material	ABS enclosure and stainless metal bracket in white			
Mounting Way	Quick installation by supplied stainless mounting bracket			

100V Horn Speaker

Model	HSK-15H	HSK-30H	HSK-50H
Description	15W Outdoor Horn Speaker	30W Outdoor Horn Speaker	50W Outdoor Horn Speaker
Rated Power Output	3.75W~7.5W~15W	7.5W~15W~30W	12.5W~25W~50W
Line Input	100V or 70V	100V or 70V	100V or 70V
Frequency Response	450~5KHz	380~6.5KHz	380~6.5KHz
SPL(@1W/m)	106dB	107dB	109dB
IP Rate	IP66	IP66	IP66
Connector	By speaker cable tail	By speaker cable tail	By speaker cable tail
Dimension	200(D) x 230(H)mm	246(D) x 292(H)mm	325(D) x 350(H)mm
Net Weight	1.3kg	2.1kg	2.3kg
Material	Aluminum enclosure and stainless metal bracket in white		
Mounting Way	Quick installation by supplied stainless mounting bracket		

Reflex Speaker

Model	HSL-15C	HSL-25C	HSL-30C	HSL-25M	HSL-40M
Description	Low Impedance PA Horn Speaker	Low Impedance PA Horn Speaker	Low Impedance PA Horn Speaker	Low Impedance PA Horn Speaker	Low Impedance PA Horn Speaker
Rated Power Output	15W	25W	30W	25W	40W
Input Impedance	8Ω	8Ω	8Ω	8Ω	8Ω
Frequency Response	270~7KHz	250~10KHz	250~10KHz	250~10KHz	250~10KHz
SPL(@1W/m)	106B	108B	108B	108B	112B
IP Rate	IP66	IP66	IP66	IP66	IP66
Material	Aluminumen closure and stainless metal bracket in gray	Aluminumen closure and stainless metal bracket in gray	Aluminumen closure and stainless metal bracket in gray	ABS enclosure and stainless metal bracket in gray	ABS enclosure and stainless metal bracket in gray
Mounting Way	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket
Dimension	203(D) x 230(H)mm	250(D) x 235(H)mm	285(D) x 288(H)mm	303(W) x 190(D) x 285(H)mm	400(W) x 200(D) x 385(H)mm
Weight	1.44kg	1.94kg	1.98kg	1.9kg	3.2kg

Reflex Horn

Model	RH-16H	RH-18H	RH-20H	RH-12M	RH-16M	RH-18M	RH-20M
Description	PA 16" Reflex Horn	PA 18" Reflex Horn	PA 20" Reflex Horn	PA 16" Reflex Horn	PA 18" Reflex Horn	PA 20" Reflex Horn	PA 20" Reflex Horn
Horn Diameter	40cm or 16"	45cm or 18"	53cm or 20"	41cm or 16"	47cm or 18"	51cm or 20"	51cm or 20"
Horn Length	28cm	38cm	40cm	28cm	32cm	36cm	36cm
Cut-off Frequency	180Hz	190Hz	215Hz	220Hz	210Hz	200Hz	200Hz
Material	Aluminum white reflex and die-cast aluminum grey bracket	Aluminum white reflex and die-cast aluminum grey bracket	Aluminum white reflex and die-cast aluminum grey bracket	Aluminumre flex and stainless steel bracket in gray	Aluminumre flex and stainless steel bracket in gray	Aluminumre flex and stainless steel bracket in gray	Aluminumre flex and stainless steel bracket in gray
Connector	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"

Drive Unit

Model	DU-30	DU-50	DU-35	DU-40	DUL-40
Description	PA 100V Driver Unit	PA 100V Driver Unit	PA Low Impedance Driver Unit	PA Low Impedance Driver Unit	PA Low Impedance Driver Unit
Transformer Tap	10W~15W~30W	15W~30W~50W	35W RMS/53W Max	40W RMS/53W Max	60W RMS/90W Max
Line Input	100V/70V	100V/70V	16Ω	16Ω	16Ω
Frequency Response	300~6KHz	300~6kHz	300~5kHz	300~5kHz	300~5kHz
SPL(@1W/m)	105dB	107dB	112dB	112dB	113dB
Waterproof Rate	IP66	IP66	IP66	IP66	IP66
Working Temp	-30℃ to 70℃	-30℃ to 70℃	-30℃ to 70℃	-30℃ to 70℃	-30℃ to 70℃
Material	Aluminum bobbin and ABS flange in gray RAL7042	Aluminum bobbin and ABS flange in gray RAL7042	Aluminum bobbin and die-cast aluminum flange in gray	Aluminum bobbin and die-cast aluminum flange in gray	Aluminum bobbin and die-cast aluminum flange in gray
Throat Coupling	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"	Universal 1-3/8"
Dimension	138(D) x 145(H)mm	138(D) x 145(H)mm	112(D) x 90(H)mm	112(D) x 99(H)mm	128(D) x 102(H)mm
Weight	2.2kg	2.8kg	1.48kg	1.72kg	2.05kg

Pendant Speaker & Garden Speaker

Pendant Speaker

Model	PSK-10P	PSK-20P	PSK-10T	PSK-20T	PSK-10C
Description	Pendant Speaker	Pendant Speaker	Pendant Speaker	Pendant Speaker	Pendant Speaker
Rated Power Output	2.5W-5W-10W	5W-10W-20W	2.5W-5W-10W	20W-10W	2.5W-5W-10W
Speaker	5" waterproof woofer	6.5" waterproof woofer	5" full range woofer	6" full range	5" full range woofer
Line Input	100V or 70V	100V or 70V	100V or 70V	100V or 70V	100V or 70V
Frequency Response	130-15KHz	110-15KHz	150-15KHz	80-18KHz	150-15KHz
SPL(@1W/m)	91dB	92dB	92dB	92dB	92dB
Connector	By speaker cable tail	By speaker cable tail	By speaker cable tail	By speaker cable tail	By speaker cable tail
Dimension	138(D) x 205(H)mm	170(D) x 245(H)mm	180(D)mm	254(D) mm	180(D)mm
Material	ABS white enclosure and aluminum gille in white					
Mounting Way	Quick installation by supplied adjustable hanging wire and security steelring					

Pendant Speaker

Model	PJSK-10A	PJSK-10AW	PSK-30H	PSK-30HW
Description	Pendant Speaker	Pendant Speaker	Pendant Speaker	Pendant Speaker
Rated Power Output	20W-10W	20W-10W	7.5W-15W-30W	7.5W-15W-30W
Speaker	5" full range woofer	5" full range	6" full range woofer	6" full range woofer
Line Input	100V or 70V	100V or 70V	100V or 70V	100V or 70V
Frequency Response	130-15kHz	130-15kHz	100-18kHz	100-18kHz
SPL(@1W/m)	91dB	91dB	102dB	102dB
Connector	By speaker cable tail	By speaker cable tail	By speaker cable tail	By speaker cable tail
Dimension	138(D) ×205(H)mm	138(D) ×205(H)mm	385(W) × 385(D) ×302(H)mm	385(W) × 385(D) ×302(H)mm
Material	Aluminum	Aluminum	ABS enclosure and security steel ring of white or black	
Mounting Way	Quick installation by supplied adjustable hanging wire and security steelring			

Garden Speaker

Model	GSK-20C	GSK-30C	GSK-520B	GSK-520C	GSK-630A	GSK-202
Description	Outdoor Garden Speaker					
Power Output	20W/40W Max	30W/60W Max	20W/40W Max	20W/40W Max	30W/60W Max	30W/60W Max
Speaker	4" PP	6.5" PP	5" PP	5"PP	6.5"PP	6.5" PP
Line Input	100V or 70V	100V or 70V	100V or 70V	100V or 70V	100V or 70V	100V or 70V
Frequency Response	80-16KHz	80-18KHz	80-16kHz	80-16kHz	80-18KHz	80-18KHz
SPL(@1W/m)	90dB	92dB	90dB	90dB	92dB	92dB
IP Rate	IP66	IP66	IP66	IP66	IP66	IP66
Dimension	215(D) x 245(H)mm	320(D) x 365(H)mm	220(W)×210(D)×230(H)	200(W)×210(D)x210(H)	320(W)×270(D)×270(H)	400(D) ×430(H)
Material	ABS	ABS	Fiber-glass	Fiber-glass	Fiber-glass	Fiber-glass

Weatherproof Projection Speaker

Weatherproof Projection Speaker

Model	PJSK-10PS	PJSK-20PS	PJSK-10AS	PJSK-20AS
Description	Weatherproof Projection Speaker	Weatherproof Projection Speaker	Weatherproof PA Projection Speaker	Weatherproof PA Projection Speaker
Rated Power Output	2.5W-5W-10W	5W-10W-20W	2.5W-5W-10W	5W-10W-20W
Speaker	5" PP full range woofer	6.5" PP full range woofer	5" PP full range woofer	6.5" PP full range woofer
Input Impedance	1KΩ	500Ω	1KΩ	500Ω
Line Input	100V or 70V	100V or 70V	100V or 70V	100V or 70V
Frequency Response	130-17KHz	100-17KHz	130-17KHz	100-17KHz
SPL(@1W/m)	90dB	92dB	90dB	92dB
IP Rate	IP66	IP66	IP66	IP66
Connector	By speaker cable tail with waterproof gland	By speaker cabletail with waterproof gland	By speaker cabletail with waterproof gland	By speaker cable tail with waterproof gland
Dimension	145(D) x 205(H)mm	180(D) x 250(H)mm	136(D) x 210(H)mm	170(D) x 252(H)mm
Material	UV protected ABS enclosure and stainless metal bracket in white	UV protected ABS enclosure and stainless metal bracket in white	Aluminum enclosure and stainless metal bracket in white	Aluminum enclosure and stainless metal bracket in white
Mounting Way	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket

Weatherproof Dual Projection Speaker

Model	PJSK-10PD	PJSK-20PD	PJSK-10AD	PJSK-20AD
Description	Weatherproof Dual Projection Speaker	Weatherproof Projection Speaker	Weatherproof Dual Projection Speaker	Weatherproof Dual Projection Speaker
Rated Power Output	12W-6W	30W-15W-7.5W & 8Ω	2.5W-5W-10W	5W-10W-20W
Speaker	2×5" PP	6"	2 x 5" PP full range woofer	2 x 6.5" PP full range woofer
Input Impedance	830Ω	330Ω	1KΩ	500Ω
Line Input	100V or 70V	100V or 70V & 8Ω	100V or 70V	100V or 70V
Frequency Response	130-15KHz	150-15kHz	130-17KHz	100-17KHz
SPL(@1W/m)	91dB	96dB	92dB	94dB
IP Rate	IP55	IP55	IP66	IP66
Connector	By speaker cable tail with waterproof gland	By speaker cable tail with waterproof gland	By speaker cable tail with waterproof gland	By speaker cable tail with waterproof gland
Dimension	138(D) ×200(H)mm	170(D) ×212(H)mm	136(D) x 210(H)mm	170(D) x 252(H)mm
Material	ABS	ABS	Aluminum enclosure and stainless metal bracket in white	Aluminum enclosure and stainless metal bracket in white
Mounting Way	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket	Quick installation by supplied stainless mounting bracket

100V Volume Control

Model	VC-C6	VC-C30	VC-C60	VC-C120	VC-C6F	VC-C30F	VC-C60F	VC-C120F
Description	100V Volume Controller				100V Volume Controller with Relay			
Rated Output	6W	30W	60W	120W	6W	30W	60W	120W
Line Input	100V or 70V				100V or 70V			
24V Relay	No	No	No	No	Yes	Yes	Yes	Yes
Volume Step	5 steps				5 steps			
Attenuation Per Step	3dB				3dB			
Total Attenuation	33dB				33dB			
Material	UV-protected ABS							
Finish	White							
Mounting Way	Surface mount or in-wall mount							
Depth	50mm	60mm	60mm	60mm	50mm	60mm	60mm	60mm
Plate Dimension	86(W)×86(D)mm							

100V Volume Control

Model	VE-C6	VE-C30	VE-C60	VE-C120	VE-C6F	VE-C30F	VE-C60F	VE-C120F
Description	100V Volume Controller				100V Volume Controller with Relay			
Rated Output	6W	30W	60W	120W	6W	30W	60W	120W
Line Input	100V or 70V				100V or 70V			
24V Relay	No	No	No	No	Yes	Yes	Yes	Yes
Volume Step	10 steps plus Off				10 steps plus Off			
Attenuation Per Step	3dB				3dB			
Total Attenuation	33dB				33dB			
Material	UV-protected ABS							
Finish	White							
Mounting Way	Surface mount or in-wall mount							
Dimension	115(W)×80(D)×70(H)mm							

Model	VC-H6F	VC-H12F	VC-H24F	VC-H36F	VC-H50F
Description	100V Volume Controller with Relay				
Rated Output	6W	12W	24W	36W	50W
Line Input	100V or 70V				
24V Relay	Yes	Yes	Yes	Yes	Yes
Volume Step	10 steps plus Off				
Attenuation Per Step	3dB				
Total Attenuation	33dB				
Material	UV-protected ABS				
Finish	White				
Mounting Way	Surface mount or in-wall mount				
Dimension	80(W)×80(D)×48(H)mm				

5" Active Wall Mount Speaker
AWS40W (White)
AWS40B (Black)

6" Active Wall Mount Speaker
AWS60W (White)
AWS60B (Black)

- One set includes an active loudspeaker and a passive one.
- Built-in stereo 20W+20W power amplifier.
- Rated power output 40W@8ohm.
- With auto-standby green power consumption module.
- Magnetically shielded process for super bass response.
- ABS cabinet, metal grille and metal mounting bracket in black.
- Built-in 5" +1.5" two way speaker drivers.
- Balanced line input, microphone input & line output.
- Dual RCA input and one 3.5mm stereo earphone input.
- With Bass, treble tone control and master volume control.

- One set includes an active loudspeaker and a passive one.
- Built-in stereo 30W+30W power amplifier.
- Rated power output 60W@8ohm.
- With auto-standby green power consumption module.
- Magnetically shielded process for super bass response.
- ABS cabinet, metal grille and metal mounting bracket in black.
- Built-in 6" +1.5" two way speaker drivers.
- Balanced line input, microphone input & line output.
- Dual RCA input and one 3.5mm stereo earphone input.
- With Bass, treble tone control and master volume control.

Model	AWS40B	AWS40W	AWS60B	AWS60W
RMS	20W+20W@8Ω	20W+20W@8Ω	30W+30W@8Ω	30W+30W@8Ω
Input sensitivity	0.5V	0.5V	0.7V	0.7V
Frequency response	20Hz-20KHz/1W, 0.5dB	20Hz-20KHz/1W, 0.5dB	70Hz-20KHz/1W, 0.5dB	70Hz-20KHz/1W, 0.5dB
THD	0.05%	0.05%	0.05%	0.05%
Damping factor	>200@8Ω/400Hz	>200@8Ω/400Hz	>200@8Ω/400Hz	>200@8Ω/400Hz
Conver sionrate	30V/US	30V/US	30V/US	30V/US
Channel Degree of separation	>75dB	>75dB	>75dB	>75dB
SN Ratio	>95dB	>95dB	>95dB	>95dB
Indication	Power and channel signal	Power and channel signal	Power and channel signal	Power and channel signal
Protection	High temp, overload, short circuit and clip			
Treble/Bass control	±10dB	±10dB	±10dB	±10dB
Input connector	Balanced phoenix connector, dual RCA and stereo 3.5mm earphone input			
AC power supply	220V~240V/50Hz~60Hz	220V~240V/50Hz~60Hz	220V~240V/50Hz~60Hz	220V~240V/50Hz~60Hz
Dimensions	250(W) x 185(D) x 170(H)mm	250(W) x 185(D) x 170(H)mm	290(W) x 245(D) x 220(H)mm	290(W) x 245(D) x 220(H)mm
Weight	4.7Kg (per pair)	4.7Kg (per pair)	10.1Kg (per pair)	10.1Kg (per pair)
Color	Black	White	Black	White

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

IP Network Audio System
IP-600

Why to Choose the IP Network Audio System?

- Audio distribution anywhere, where there is an IP network.
- Usage of existing LAN/WAN network.
- Easy connection of large and very distant destinations.
- Possibility to create separate zones & groups with different programs.
- Central management of all loudspeakers.
- Cheaper and faster installation.
- Multiple music and paging programs at the same time.
- Different volume control and music control from central.
- Hi-fi level sound quality of 44.1K 16 bits.
- Each online program bandwidth consumption only 47kbps.
- Support standby server to backup main server failure.
- Integration with PA system, background music, paging system, voice alarm, telephone paging, timer schedule.
- Open SDK package for CCTV, intercom, door access, building management system etc.

System Connection:
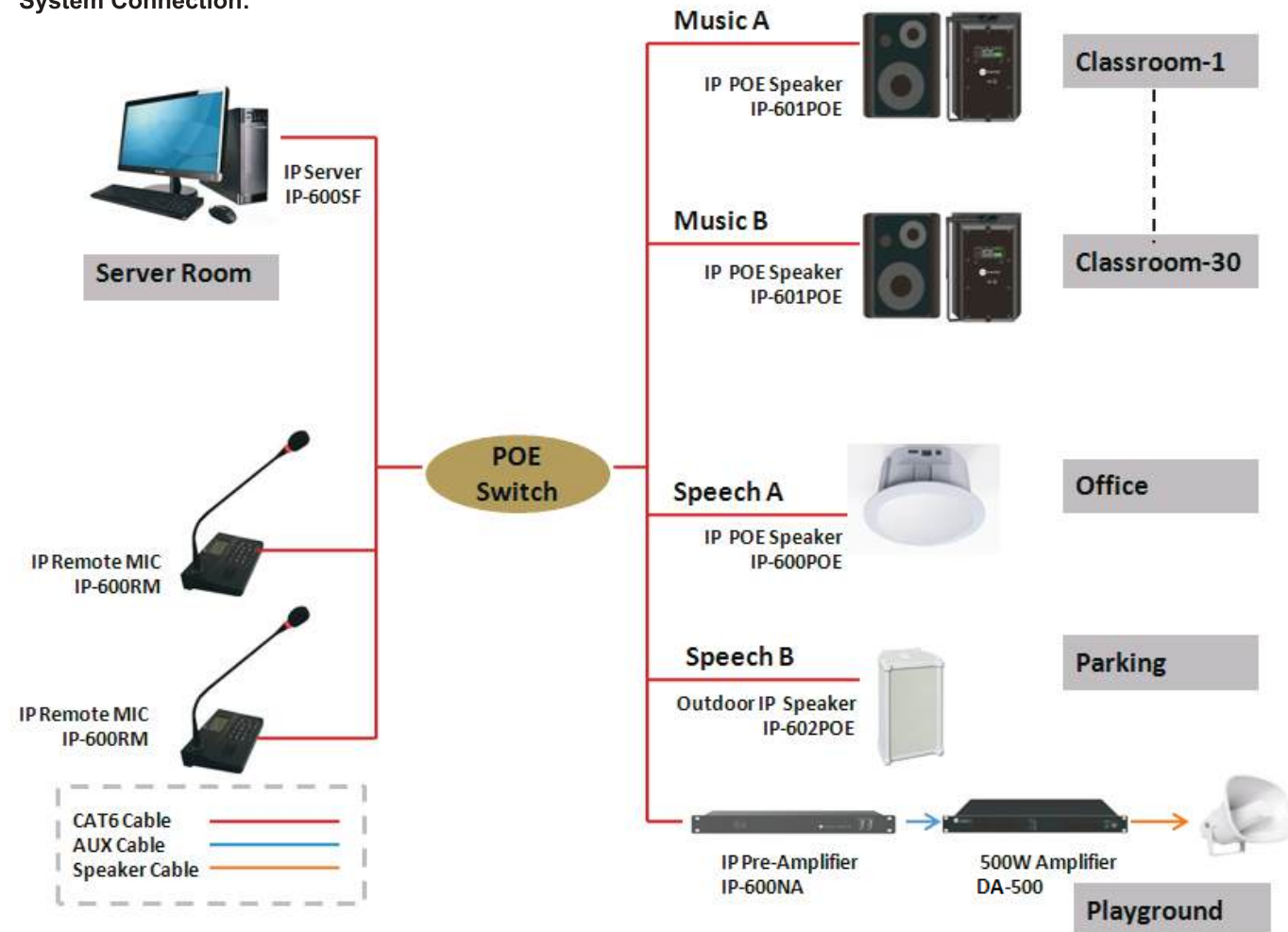
IP Network Audio Server Software
IP-600SF
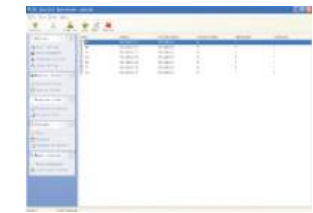
- Server of IP network audio system and IP PA system.
- Support Windows 2000, Windows 7 and Win10.
- All display in English.
- Built-in system set up, system monitor, media player, program timer, system memory functions.
- Cloud broadcast Mp3 file online, scheduled and matrix at pre-set time to designated loudspeaker zones.
- Each equipment working status could be monitored and displayed on this software.
- Flexible multiple level loudspeaker zone definitions, end-user can define loudspeakers into as many as possible zones at the same time.
- Built-in weekly timer could broadcast pre-recorded voice message, bell, song to selected zones by trigger contact or manually operation.
- The head equipment to encode analog sources into digital source to be transferred over network.
- Support max 5 different sound cards for simultaneously sources collection.
- One software packet includes administrator and branch server and alarm server.
- Graphic maps display for visually simple monitoring and operation.

IP Network Remote Microphone
IP-600RM

- Desktop IP paging microphone, with exquisite appetence, elegant craft and modern design.
- Full duplex two way communication from any point to another intercom system.
- Embed PC technology, built-in DSP and high speed industrial chip to ensure start time less than 1 second.
- With 3.4 inch LCD user-friendly human-machine interface.
- With numeric keys, functional keys to call any terminal, easy to operate.
- One button push to answer intercom system.
- Several paging capacity: zone paging, group paging, all zone paging, two way intercom.
- Network conference system solution of discussion and voting function.
- Intercom inquiry with chime warning tone and flashing indicator.
- Support infrared remote control receiver, with a remote controller to complete all operations.
- Built-in 2W full-range monitor speakers with clear voice restoration and no echo noise.
- Support hands-free call and program broadcast receiving.
- With earphone or headphone input for monitor or communication.
- Within one external microphone input and one aux output for sound system.
- 24V DC power supplied, the power adapter is included in the packaging.

Model	IP-600RM
Description	IP Network Paging Microphone
Network Input	Standard RJ45
Communication Protocol	TCP/IP, UDP, IGMP
Audio Format	MP3/MP2
Sampling Rate	8K~48KHz
Transmission Speed	10M/100Mbps
Audio Mode	16 digit stereo CD sound quality
Frequency Response	20Hz~16KHz (+1dB, -3dB)
T.H.D.	≤0.3%
S/N Ratio	>70dB
Built-in monitor speaker	4 ohm, 2W
Aux Input	350mV Industry-standard voltage wire terminals
Aux Output	1V Industry-standard voltage wire terminals
Aux Output Impedance	1KΩ
Microphone impedance	10mV
Working temp	5℃~40℃
Humidity	10% ~ 90%
Power Consumption	≤10W
Power Supply	DC 24V
Dimensions	200x145x48.5mm
Weight	0.5Kg

IP POE Ceiling Speaker
IP-600POE

- Support with existing POE switch network system
- Compatible with both IEEE 802.3af & IEEE 802.3at
- IP based POE powered 6W ceiling speaker
- Single network cable for control, signal and power supply
- Same POE speakers enable to be several group or zone defined
- Different music or voice message simultaneously broadcasted through different POE speakers
- Paging prioritization and background music system
- Network adjustable speaker volume
- Can driver one external passive speaker for more volume
- Closed contact input for emergency button or third party integration
- Closed contact output for emergency light or third party integration
- DC12V power supply input as standby use

IP POE Wall Mount Speaker
IP-601POE

- POE (Power over Ethernet) supportable IP speaker
- POE IP PA system with background music, paging system and voice alarm system
- Minimum cable connection over existing LAN/WAN/Internet system
- Huge system capacity up to 1,200 zones
- Support with existing POE switch network system
- Compatible with both IEEE 802.3af & IEEE 802.3at
- IP speaker of two way 5" woofer and 1.5" tweeter
- Built-in IP module, 15W class-D amplifier and speaker
- Single network cable for control, signal and power supply
- Same POE speakers enable to be several group or zone defined
- Different music or voice message simultaneously broadcasted through different IP speakers
- Paging prioritization and background music system
- Network adjustable speaker volume remotely from central management
- Closed contact input & Closed contact output for third party integration
- DC12V power supply input as standby use
- White color available IP-600POE-W

Outdoor IP POE Speaker
IP-602POE

- POE (Power over Ethernet) supportable outdoor IP speaker
- POE IP PA system with background music, paging system and voice alarm system
- Minimum cable connection over existing LAN/WAN/Internet system
- Huge system capacity up to 1,200 zones
- Support with existing POE switch network system
- Compatible with both IEEE 802.3af & IEEE 802.3at
- IP speaker of waterproof speaker system
- Built-in IP module, 15W class-D amplifier and speaker
- Single network cable for control, signal and power supply
- Same POE speakers enable to be several group or zone defined
- Different music or voice message simultaneously broadcasted through different IP speakers
- Paging prioritization and background music system
- Network adjustable speaker volume remotely from central management
- Closed contact input & Closed contact output for third party integration
- DC12V power supply input as standby use

Model	IP-600POE	IP-601POE	IP-602POE
Description	IP POE Ceiling Speaker	IP POE Wall Mount Speaker	Outdoor IP POE Speaker
Power Output (1KHz@-3dB)	6 Watts/10W Watts	10 Watts/15W Watts	10 Watts/15W Watts
Built-in Amplifier	10 Watts	15W Watts	15W Watts
Speaker Unit	5" full range	5" woofer+1.5" tweeter	4" full range waterproof
Network I/F	10/100Mbps		
Protocol	ARP, TCP/IP, UDP, ICMP & IGMP (Group Broadcast)		
Audio Format	MP3/MP2		
Audio Quality	16digit stereo CD level		
Sampling Rate	8K~48K		
Bit Rate	8K~512Kbps		
Sensitivity	92dB/1W/1M		
S/N Ratio	≧85dB		
THD	≦0.1%		
Frequency Response	100-18KHz（±3dB）		
Connector	One RJ45 port for existing LAN/WAN & internet One control input, 0V, short circuit contact One control output, 0V, short circuit contact One DC12V battery backup input		
Power Input	POE 802.3af or POE 802.3at & DC 12V		
Operation Temp	-30℃ to +55℃		
Dimension	210(D)×100(H)mm Cutout:190mm	257(W)×185(D)×170(H)mm	375(W)×152(D)×100(H)mm
Bracket	No	U-Shaped wall mount bracket	Stainless mounting bracket
Material	ABS white	ABS cabinet and steel grille	Aluminum
Weight	1.4kg	2.5kg	3.5kg

IP Wall Mount Speaker (30W+30W)
IP-650A

- IP powered speaker with IP addressable network module.
- IP network audio active speaker package.
- One IP network audio active speaker and one passive speaker.
- The network audio active speaker is built-in network decoder, an active speaker built-in a stereo 30W+30W digital class-D amplifier and a 30W passive speaker.
- Economy solution for multiple room applications.
- Each room only installed one pair of loudspeakers.
- Anywhere of the LAN system of non-dedicated network system.
- No need aux cable and speaker cable wiring.
- Control data and aux data transmission both by CAT 5 cable.
- One aux input and one RJ45 control LAN input.
- One low impedance power output for another 8ohm 10W passive speaker.
- One serial communication port is only used to write in or change IP address.
- One status and one power indicators.
- Balance output and master volume attenuation.
- IP-650AW is of white color as option
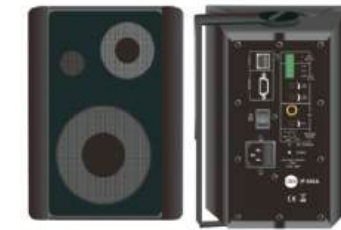
Specifications：

Model	IP-650A
Description	IP Network Powered Speaker
Network Input	Standard RJ45 port
Transmit Speed	10/100Mbps
Communication Protocol	TCP/IP, UDP & IGMP
Audio Format	MP3/MP2
Sampling Rate	8K~48KHz
Transmission Speed	10/10Mbps
Audio Mode	16 digit stereo CD level
Frequency Response	20Hz~16KHz (+1dB, -3dB)
T.H.D	≤0.1%
S/N Ratio	>70dB
Power Output	8Ω ,30W + 30W class–D amplifier
Aux Input	One input, 400mV,RCA type
Connector	Serial port for write in or change IP, one RJ45 port for LAN, one reserved RJ45 port
Volume Control	Balance and volume attenuation
Indicator	Status and power indicators
Working Temp	5℃ ~40℃
Humidity	20%~80%
Power Consumption	≤70W
Power Supply	~110V/60Hz or ~230V/50Hz
Dimensions	245x162x182mm
Weight	2.48Kg

IP Network Pre-Amplifier
IP-600NA

- The IP network audio adapter with decoder is the head of IP PA system.
- The IP network audio adapter with decoder can work with universal PA 100 volt amplifier and speakers.
- It is high capacity but cost-effective multiple room network sound system.
- The system could be set up over existing network, non dedicated network is needed.
- System capacity of 300 adapters online simultaneously.
- Capacity of control power amplifier 1000W.
- Support LAN/WAN and Internet network.
- Network data delay of less than 100 milliseconds.
- Program controllable power supply of AC 230V or 110V.
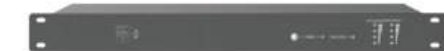
Model	IP-600NA
Description	IP Network Audio Pre-Amplifier
Power Supply	AC230V or 110V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Format	Mp2, Mp3, PCM, ADPCM
Audio Sampling	8KHz-44.1KHz, 16 bits, 8K-320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz~20KHz
Data Delay	100 milliseconds
Connector	one aux output
Dimensions	483 × 256 × 44mm
Weight	3.2kg

IP Network Audio System Software
IP-8000SF

IP based PA sound System server, support over existing LAN/WAN/Ethernet, built-in media player, status monitor, weekly schedule timer, audio recorder, support remote online maintenance.

IP Network Remote Microphone
IP-8000RM

IP based remote zone paging microphone over LAN/WAN/Ethernet, built-in speaker monitor. built-in microphone and audio decoder, enable to remote call to each zone, selected zones and all zones, stand alone capacity of 600 zones.

IP Network Audio Adapter
IP-8000NA

IP based network audio adapter, built-in single zone decoder, decode digital signal into analog for universal PA amplifier. IP/TCP addressable and remote control from server to broadcast music or voice message through network.

Ideal for old PA system upgrade by using exiting amplifier and speakers. Useful for big scale single zone multiple loudspeakers system.

IP Network 8 Zone Audio Adapter
IP-8000DA

IP based network audio adapter, built-in 8 zone decoder, decode digital signal into analog for universal PA amplifier. Built-in speaker selector to divide one amplifier into 8 zones. IP/TCP addressable and remote control from server to broadcast music or voice message over network.

Ideal for old PA system upgrade by using exiting amplifier and speakers. Useful for multiple zones multiple loudspeakers system.

IP Network 20W Wall Amplifier
IP-8000AM

IP based network wall amplifier, built-in 20W class-D low impedance amplifier. IP/TCP addressable and remote control from server to broadcast music or voice message through network.

Ideal for multiple room sound system like fitness center, SPA, classroom, office, hospital & prison.

IP Network 60W PA Amplifier
IP-8000PA

IP based network PA amplifier, built-in 60W class-D 100V amplifier. IP/TCP addressable and remote control from server to broadcast music or voice message through network.

Ideal for multiple floor & zone sound system like campus, train station, airport, hotel, shopping mall, office and factory,

IP Network 20W Wall Amplifier
IP-8000CS

IP based network wall amplifier, built-in 20W class-D low impedance amplifier. IP/TCP addressable and remote control from server to broadcast music or voice message through network. With LCD & IR Remote Control.

Ideal for multiple room sound system like fitness center, SPA, classroom, office, hospital and prison.

IP Network 120W PA Amplifier
IP-8000AMP

IP based network PA amplifier, built-in 120W class-D 100V amplifier. IP/TCP addressable and remote control from server to broadcast music or voice message through network. With microphone input. 19" rack mount 1U Height

Ideal for multiple floor & zone sound system like campus, train station, airport, hotel, shopping mall, office and factory.

IP Network 240W PA Amplifier
IP-8240AMP

IP based network PA amplifier, built-in 240W class-D 100V amplifier. IP/TCP addressable and remote control from server to broadcast music or voice message through network. With microphone input. 19" rack mount 1U Height

Ideal for multiple floor & zone sound system like campus, train station, airport, hotel, shopping mall, office and factory.

IP Active Outdoor Column Speaker
IP-8030CS

IP based active outdoor mount speaker, built-in class-D amplifier, built-in decoder, DC 24V power supply.
Ideal for multiple room sound system like parking, zoom, park, garden, swimming pool, resort and walk street.

IP Fire Alarm & Voice Evacuation Panel
IP-8030CS

IP based fire alarm and voice evacuation system. Built-in 32 zone fire alarm inputs, 8 programmable alarm outputs by different Mp3 pre-recorded voice evacuation messages. Automatically voice alarm after fire trigger from fire center.

IP Network Telephone Paging Interface
IP-8000PABX

IP based telephone paging interface, remote paging through mobile to call the fixed telephone number to make call over the PA system. Connection to PABX and PA system to transfer phone call over IP sound system.

IP Network Audio System Software
IP-8000SF

- Center of IP network audio system and IP PA system.
- Support Windows 2000, Windows 2007, Windows 7.
- All display in English.
- Built-in system set up, system monitor, media player, program timer, system memory functions.
- Cloud broadcast Mp3 file online, scheduled and matrix at pre-set time to designated loudspeaker zones.
- Each equipment's working status could be monitored and displayed on this software.
- Flexible multiple level loudspeaker zone definitions, end-user can define loudspeakers into as many as possible zones at the same time.
- Built-in weekly timer could broadcast pre-recorded voice message, bell, song to selected zones by trigger contact or manually operation.
- The head equipment to encode analog sources into digital source to be transferred over network
- Support max 5 different sound cards for simultaneously sources collection.
- One software packet includes administrator and branch server and alarm server.
- Graphic maps display for visually simple monitoring and operation.

IP Network Remote Microphone
IP-8000RM

- The IP network call station is the head of paging system.
- Individual zone, group zones, selected zones and all zones different paging modes.
- Max support 300 call stations working at the same time.
- Built-in LCD in English display status, power and zone selection.
- Built-in microphone, monitor speaker for two way intercom use.
- With eight zone selector. microphone on and number buttons.
- With nine levels of priority.
- Start time less than 0.1 second.
- With one aux input and one aux output for external active speaker for monitor use.
- It is powered by DC9V, the power adapter is included.
- Support LAN/WAN and Internet network.
- Network data delay of less than 100 milliseconds.

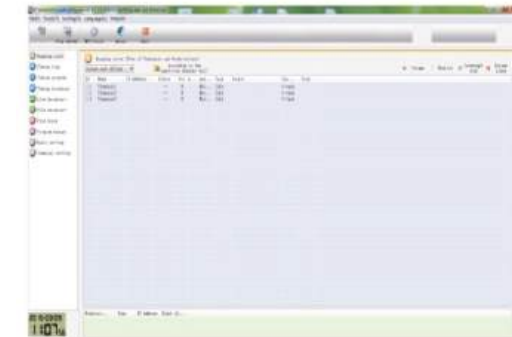| Model	IP-8000RM
Description	IP Network Remote Microphone
Power Supply	DC9V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speak	10/100Mbps
Audio Format	Mp2, Mp3, PCM, ADPCM
Audio Sampling	8KHz-44. 1KHz, 16bits
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Date Delay	100 milli seconds
Display	FTF 1.8" colorful LCD, 128 x 160 resolution
Connector	One aux input, one aux output & one RJ45 prot fo LAN
Dimension	245 x 122 x 66mm

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier
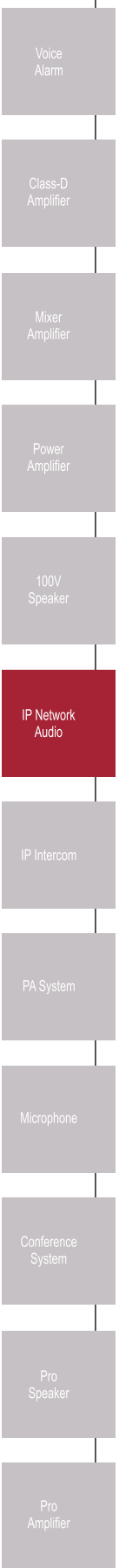
IP Network 8 Zone Audio Adapter
IP-8000DA

- The IP network 8 zone audio adapter is the head of IP PA system.
- The IP network decoder is built-in 8 zone speaker selector.
- The IP network 8 zone decoder can split one PA 100 volt amplifier into 8 speaker zones.
- It is high capacity but cost-effeclive multiple room network sound system.
- The system could be set up over exiting network, non dedicated network is needed.
- System capacity of 300 decoders online simultaneously.
- Eight zone contact outputs for zone status monitoring.
- 1U height of rack mount design.
- Support LAN/WAN and Internet network.
- Network data delay of less than 100 milliseconds.
- Program controllable power supply of AC 230V or 110V.

IP Network Single Zone Audio Adapter
IP-8000NA

- The single zone audio adapter with decoder is the head of IP PA system.
- The audio adapter can work with universal PA 100 volt amplifier and speakers.
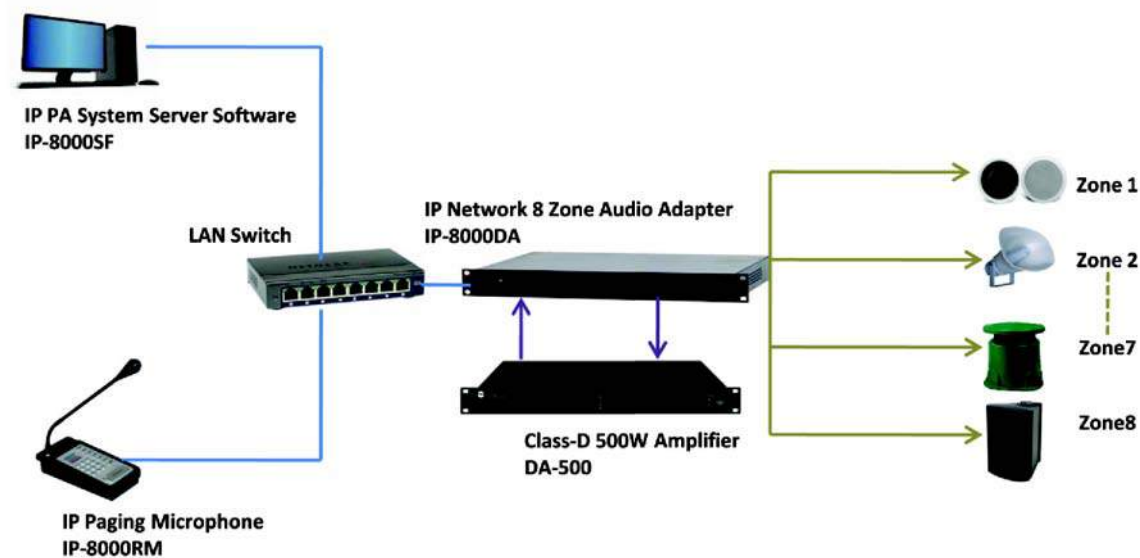- It is high capacity but cost-effective multiple room network sound system.
- The system could be set up over existing network or non dedicated network.
- System capacity of 300 adapters online simultaneously.
- Capacity of control power amplifier 1000W.
- Support LAN/WAN and Internet network.
- Network data delay of less than 100 milliseconds.
- Program controllable power supply of AC 230V or 110V.

Model	IP-8000DA	IP-8000NA
Description	IP Network 8 Zone Audio Adapter	IP Network Single Zone Audio Adapter
Power Supply	AC230V OR 110V	
Power Consumption	10W	
Network Protocol	TCP, UDP, ARP, ICMP, IGMP	
Network Speak	10/100Mbps	
Audio Format	Mp2, Mp3, PCM, ADPCM	
Audio Sampling	8KHz-44. 1KHz, 16bits,8K-320Kbps	
S/N Ratio	≥90dB	
Frequency Response	20Hz-20KHz	
Date Delay	100 milli seconds	
Connector	One aux input, one aux output, eight zone contact outputs, one RJ45 input, one 100V power input, 8 zone 100V speaker outputs, one programmable power socket.	One aux input, one aux output, one contact input and one contact output, one RJ45 input, one 100V power input, one programmable power socket
Dimension	483 x 258 x 44mm	

IP PA System Server Software
IP-8000SF

LAN Switch

IP Network 8 Zone Audio Adapter
IP-8000DA

Zone 1
Zone 2
Zone7
Zone8

Class-D 500W Amplifier
DA-500

IP Paging Microphone
IP-8000RM

- The head of IP network audio system
- Ideal solution for small size multiple room network audio system like school, office and hospital
- Built-in decode adapter and class-D amplifier
- Multiple music programs could be matrix distributed from server to different zones
- The IP network amplifier could be built-up over existing LAN/WAN network system, non-dedicated network system is needed.
- High speed ARM and DSP two chips to ensure minimum data delay
- Start time is less than 1 second
- With one line input for local audio source input and one line output for external amplifier
- With one contact output and one contact input
- The contact output could be override the volume control 24V relay
- Support LAN/WAN, Ethernet system, support over gateway and over router
- Oplion to work with wall mount channel selector and volume control IP-8000CS through CAT5 cable

IP Network Wall Amplifier
IP-8000AM (20W @8Ω)
IP-8000PA (60W @100V）

Model	IP-8000AM	IP-8000PA
Description	IP Network Wall Amplifier	
Power Output	10W+10W @8Ω	60W@100V
Speaker Output	8Ω	100V
Power Supply	AC 230V or 115V, 50-60Hz	
Power Consumption	25W	75W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP	
Network Chip Speed	10/100Mbps	
Audio Format	Mp2/Mp3/PCM/ADPCM	
Audio Sampling	8KBz-44, 1kHz, 16bits, 8Kbps-32Kbps	
S/N Ratio	>90dB	
Frequency Response	20-20KHz	
Date Delay	<100ms	
Connector	line input, line output, contact input, contact output	
Dimension	245 x 180 x 44mm	337 x 255 x 50mm
Weight	1.2mm	3. 6Kg

Model	IP-8000AP
Description	IP Network 20W Wall Mount Amplifier
Power Supply	DC12V
Power Consumption	25W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Chip Speed	10/100Mbps
Audio Format	Mp2/Mp3/PCM/ADPCM
Audio Sampling	8KBz-44, 1kHz, 16bits, 8Kbps-32Kbps
Power Output	2x10W
S/N Ratio	>90dB
Frequency Response	20-20KHz
Date Delay	<100ms
Connector	Mic input, line input, line output, low impedance speaker outputs, one contact output
Dimension	256 x 186 x 50mm

IP Network 20W Wall Mount Amplifier
IP-8000AP

- The head of IP network audio system
- Ideal solution for small size multiple room network audio system like school, office and hospital
- Built-in decode adapter and low impedance digital class-D 20W power amplifier
- Multiple music programs could be matrix distributed from server to different zones
- The IP network amplifier could be built-up over existing LAN/WAN network system, non-dedicated network system is needed.
- Start time is less than 1 second
- Design with 3" LCD, with menu control buttons
- With remote control to select program from server to be broadcasted on its local speaker zone
- Built-in microphone sensor to monitor the on-cite activities
- With one local line input and one local microphone input
- Priority from high to low: network program, local mic input and local line input
- DC12V power supply

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

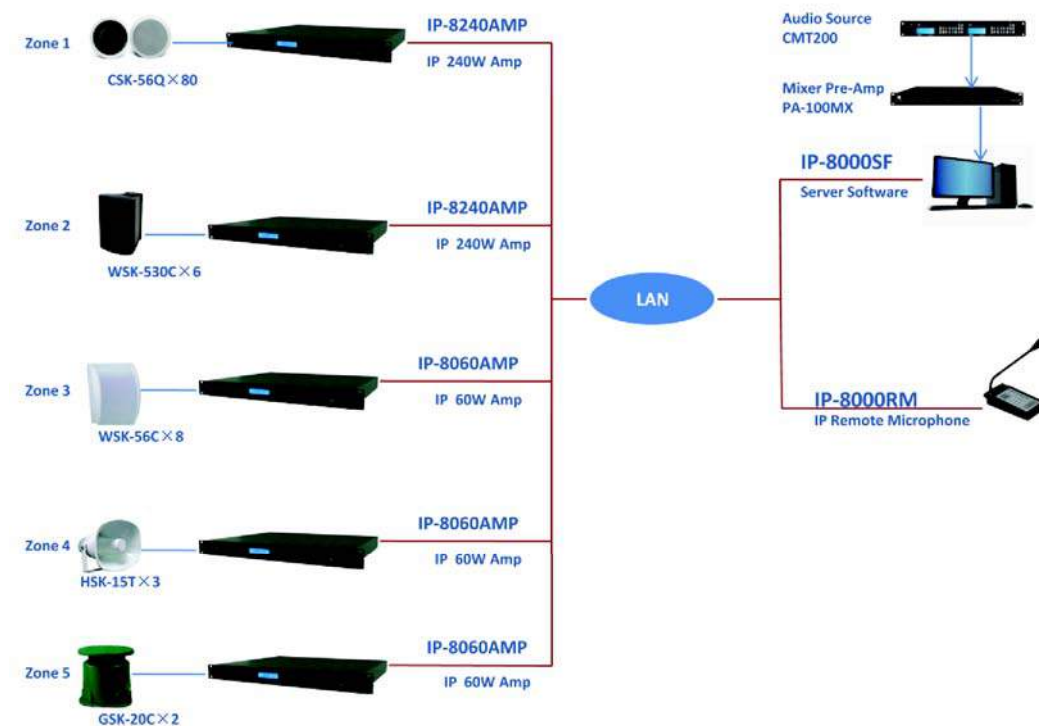Pro Amplifier

IP Network Audio System

- The head of IP network audio system
- Ideal solution for small size multiple room network audio system like school, office and hospital
- Built-in decode adapter and PA 60W-120W-240W power amplifier in 1U
- Multiple music programs could be matrix distributed from server to different zones
- The IP network amplifier could be built-up over existing LAN/WAN network system, non-dedicated network system is needed.
- Start time is less than 1 second
- Design with 3"colorful LCD in English display
- 3 mic inputs, 2 aux inputs and 1 line output
- With 100V speaker outputs by screw terminal
- Mic1 input on front panel with VOX priority
- Separate volume and tone control for each 5 inputs
- The output priority level from sources, network program are editable
- With short circuit contact output for relay or communication with third party system
- Support LAN/WAN, Ethernet system, support over gateway and over router

IP Network PA Amplifier

IP-8060AMP (60W)

IP-8120AMP (120)

IP-8240AMP(240W)

Model	IP-8060AMP	IP-8120AMP	IP-8240AMP
Description	IP Network PA Amplifier		
Rated Power Output	60W	120W	240W
Power Supply	AC230V or 115V, 50-60Hz		
Power Consumption	80W	150W	300W
Network Protocol	TCP, UDR, ARP, ICMP, IGMP		
Network Chip Speed	10/100Mbps		
Audio Format	Mp2/Mp3/PCM/ADPCM		
Screen Display	3" colorful LCD English, 128x64 resolution		
Audio Sampling	8KHz-44, 1kHz, 16bits, 8Kbps-32Kbps		
Speaker Output	100V speaker output by screw terminal		
S/N Ratio	>90dB		
Frequency Response	20-20KHz		
Date Delay	<100ms		
Connector	3 Mic input, 2 aux input, 1 line output, 100V speaker outputs, one contact output		
Dimension	483（W）x 256（D）x 44（H）mm		

IP Network Audio System

Feature:

- The IP network speaker is built-in network audio adapter, built-in 30W Class-D amplifier.
- The weatherproof active column speaker is ideal for playground, park, garden, factory, train station and airport outdoor area PA system, background music system, paging system and voice alarm system use.
- The system configuration will be: server, paging microphone, active IP speaker, these main three equipments can set up a basic IP PA system include background music, scheduled ring bell, remote paging. Different music or voice message programs for different rooms.
- Ideal for multiple rooms and multiple sources digital audio matrix BGM and paging system.
- The system could be set up over existing network, non dedicated network is needed.
- Digital IP/TCP addressable active speaker built-in digital 30W low impedance amplifier.
- One RJ45 port input for LAN/WAN network.
- DC 30V power supply by AC power adapter.
- System capacity of 300 pairs of network active speaker online simultaneously.
- Support LAN/WAN and Internet network.
- Network data delay of less than 100 milliseconds.
- The IP network active column speaker is made of aluminum waterproof finish.
- Waterproof rate of IP66 for complete exposed to outdoor environment.
- The IP network active speaker is supplied with stainless mounting bracket.

IP Active Outdoor Column Speaker

IP-8030CS

Model	IP-8030CS
Description	IP Active Outdoor Column Speaker(In Pair)
Power Supply	DC24V
Power Output	RMS 30W+30W
Power Consumption	80W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Format	Mp2, Mp3, PCM, ADPCM
Audio Sampling	8KHz-44, 1kHz, 16bits, 8K-32Kbps
S/N Ratio	>90dB
Frequency Response	190Hz-18Hz
Date Delay	100 milliseconds
Connector	One line input and one line output, one RJ45 input, one DC24V input.
Finish	Aluminum in white
Dimensions	490(W) x 86(D) x 82(H)mm
Weight	2.5kg

Feature:

- Interface between fire alarm and IP network audio system.
- Automatically broadcast the pre-recorded voice alarm message once triggered by the closed contact from the fire alarm center.
- Different zone trigger could be assigned with different voice messages.
- The multiple pre-recorded voice messages are stored in the server or controller.
- The fire alarm center send the fire alarm closed contact to this fire alarm panel, which will communicate with the server through the LAN RJ45 port. the server will give command to generate which pre-set voice message to be broadcasted to which speaker zone output.
- One fire alarm panel support 32 speaker zones.
- The fire alarm panel capable for both IP network PA and intercom system.
- Each IP network audio system support more than 20 units working together for more than 6,400 speaker zones.
- The fire alarm panel could be built-up over existing LAN/WAN network, non-dedicated network is needed.

IP Fire Alarm & Voice Evacuation Panel

IP-8000FA

Specifications:

Model	IP-8000FA
Description	IP FireAlarm & Voice Evacuation Panel
Power Supply	AC 110V or 220V, 50-60Hz
Power Consumption	15W
Connector	32 closed contact input, 8 closed contact output, one RJ45 port for LAN/WAN network
Dimension	483(W) x 256(D) x 44(H)mm
Weight	2.2kg

Sidebar navigation:
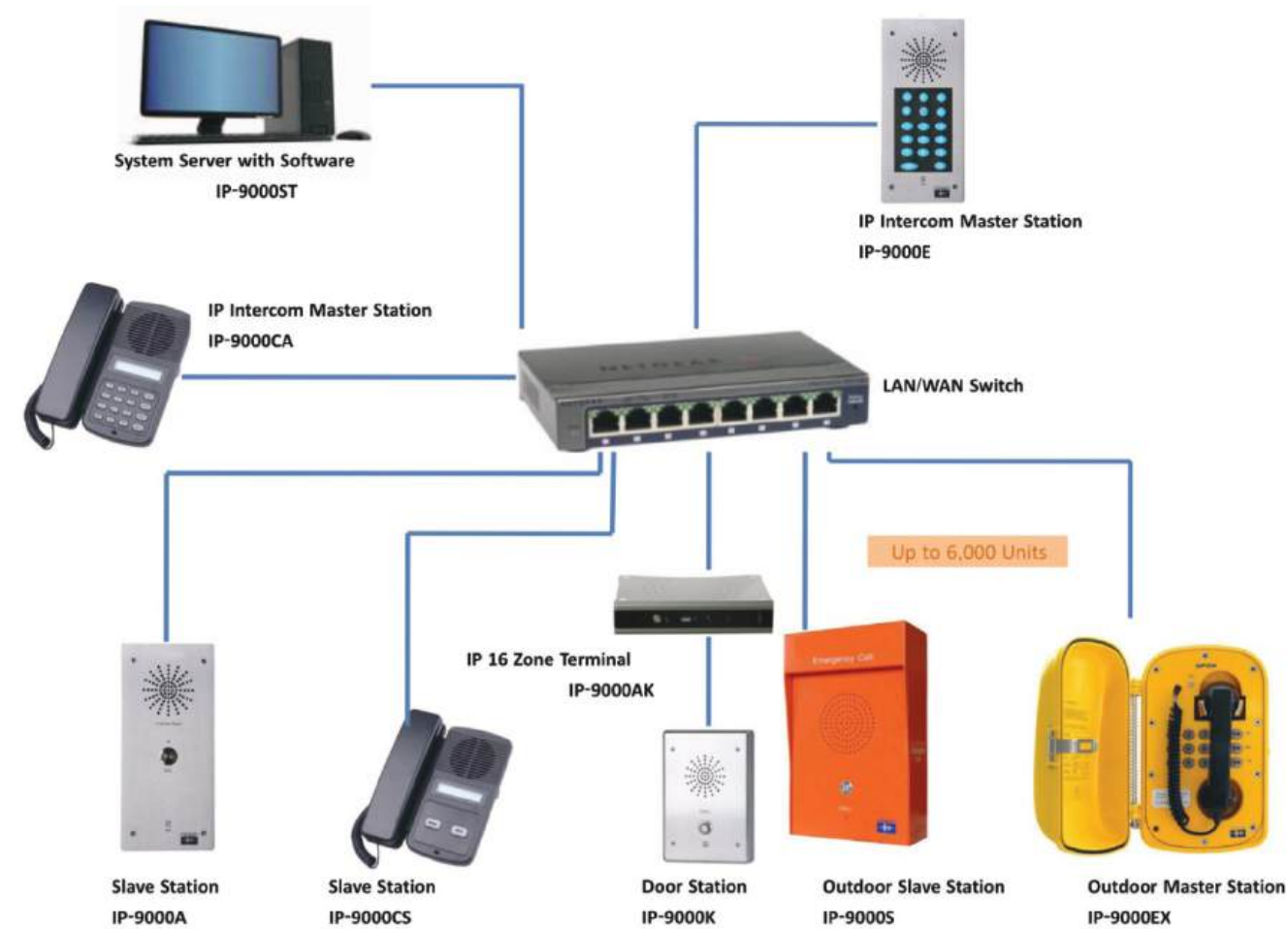Voice Alarm | Class-D Amplifier | Mixer Amplifier | Power Amplifier | 100V Speaker | IP Network Audio | IP Intercom | PA System | Microphone | Conference System | Pro Speaker | Pro Amplifier

IP Intercom System
IP-9000

- Two way full duplex intercom and communication system.
- Ideal communication system for bank. prison, hospital, school, airport, telecommunication & metro station.
- Low cost for set up and no cost for maintenance. The system could be built up over existing LAN/WAN & Internet network, no need dedicated network.
- Free on-line system set up and diagnose, each equipments status online monitoring and failure alert.
- Optional function: Telephone paging system, BGM, remote paging system, power management, program scheduled control, inter-work with third party system like CCTV, door access, parking system etc.
- Full duplex technology with echo canceller and feedback suppressor.
- Two way intercom system enable multiple parties to communicate simultaneously.
- Cryptographic communication by exclusive audio encoding way to avoid eavesdrop.
- Network data delay is less than 30 milliseconds, Each program takes only bandwidth of 34kbps.
- Strong anti-interference with electromagnetic wave.
- Capacity of 1,000 terminal adapters online with 1,000 different programs simultaneously.
- Sound output quality level nearly to CD level of 44.1k, 16bits.
- Easy system expansion by adding more intercom panel.
- Minimum cost for system maintenance over network by remote trouble shoot service.
- Intercom system capacity to work together with IP voice alarm system and IP network PA system.
- Backup system of server and embedded controller to standby the system to avoid any failure.
- Hand-free & PPT both two way communication and intercom system.
- Multiple intercom units working together as meeting system.
- Call station could monitor the intercom panel working environment.
- The intercom communication will be automatically recorded to the server.
- With log in, alarm and intercom call event check and print out.
- Industrial chip to support 24 hours run on and anti-virus technology.

System Connection:

System Server with Software
IP-9000ST

IP Intercom Master Station
IP-9000E

IP Intercom Master Station
IP-9000CA

LAN/WAN Switch

Up to 6,000 Units

IP 16 Zone Terminal
IP-9000AK

Slave Station	Slave Station	Door Station	Outdoor Slave Station	Outdoor Master Station
IP-9000A	IP-9000CS	IP-9000K	IP-9000S	IP-9000EX

IP Intercom System Software IP-9000SF	IP Intercom Master Station IP-8000RM	IP Intercom Master Station IP-9000CA
IP Intercom Slave Station IP-9000CS	IP Intercom Door Station IP-9000K	IP Intercom 16 Zone Adapter for Door Station IP-9000AK
IP Intercom Outdoor Slave Station IP-9000A	IP Intercom Outdoor Master Station IP-9000E	IP Intercom Outdoor Slave Station IP-9000D
IP Intercom Outdoor Explosion-Proof Master Station IP-9000EX	IP Intercom Outdoor Slave Station (with 60W Class-D Amplifier) IP-9000S	IP Intercom Mini Slave Station IP-9000P

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

IP-8000RM	IP-9000CA	IP-9000CS
IP Intercom Master Station	IP Intercom Master Station	IP Intercom Slave Station
IP Based	IP Based	IP Based
Duplex Two Way Communication	Duplex Two Way Communication	Duplex Two Way Communication
Talk-Back	Talk-Back	Talk-Back
Noise Monitoring	Noise Monitoring	Noise Monitoring
Call to Any Station	Call to Any Station	Call to Master Station
Audio Recording	Audio Recording	Audio Recording
Control Input and Control Output	Control Input and Control Output	Control Input and Control Output
Integration with Voice Alarm	Integration with Voice Alarm	Integration with Voice Alarm
Integration with IP PABX	Integration with IP PABX	Integration with IP PABX
Integration with IP PA System	Integration with IP PA System	Integration with IP PA System
Standby Server	Standby Server	Standby Server

Support Network Protocol: TCP, UDP, ARP, ICMP, IGMP, could be set up over existing LAN/WAN ETERNET NETWORK SYSTEM		
Network Chip Rate: 10/100Mbps		
Audio Sampling: 8KHz-44.1kHz. 16 bit		
Transmission Rate: 8Kbps-320Kbps		
Working Temp: -30℃~65℃ and ≤90% RH Humidity		
DC9V	DC12V or POE	DC12V or POE
245×122×60mm	155×198×64mm	155×198×64mm
0.9kg	0.65kg	0.65kg

IP-9000K	IP-9000A	IP-9000D
IP Intercom Door Station	IP Intercom Slave Station	IP Intercom Slave Station
Non IP Based	IP Based	IP Based
Duplex Two Way Communication	Duplex Two Way Communication	Duplex Two Way Communication
Economy RS485 Intercom Station enable integrate with IP master station.	Talk-Back	Talk-Back
16 Zone System	Noise Monitoring	Noise Monitoring
Talk-Back	Call to Master Station	Call to Master Station
Noise Monitoring	Audio Recording	Audio Recording
Call to Master Station	Control Input and Control Output	Control Input and Control Output
Audio Recording	Integration with Voice Alarm	Integration with Voice Alarm
Integration with Voice Alarm	Integration with IP PABX	Integration with IP PABX
Integration with IP PABX	Integration with IP PA System	Integration with IP PA System
Integration with IP PA System	Standby Server	Standby Server
Standby Server	IP54 waterproof rate	IP66 waterproof rate

Support Network Protocol: TCP, UDP, ARP, ICMP, IGMP, could be set up over existing LAN/WAN ETERNET NETWORK SYSTEM		
Network Chip Rate: 10/100Mbps		
Audio Sampling: 8KHz-44.1kHz. 16 bit		
Transmission Rate: 8Kbps-320Kbps		
Working Temp: -30℃~65℃ and ≤90% RH Humidity		
POE	DC12V or POE	DC12V or POE
115×166×32mm	115×255×50mm	115×255×50mm
0.8kg	1.3kg	1.6kg

Intelligent 16 Channel Audio Matrix Controller
PA-1600

Features:

- Public address system classic cost-effective medium to big-scale sound system intelligent controller.
- Ideal PA sound system controller for school, shopping mall, hotel, and office etc.
- All in one intelligent PA sound system include 16 channel audio matrix, Mp3 player & USB, 16 zone remote paging system, fire alarm & voice evacuation system interface, weekly scheduled timer and power sequencer.
- 16 Channel audio matrix controller with 16 channel inputs and 16 outputs.
- Zone capacity expandable to 128 zones by cascaded 8 unit together, master controller and 7 units slave controllers.
- All in one intelligent PA System controller built in 16 channel audio matrix, weekly timer, 16 zone speaker selector,
- Mp3 player, remote 16 zone paging controller, fire alarm and voice evacuation system interface and programmable power sequencer.

Specification:

Model	PA-1600
Description	Intelligent 16 Channel Audio Matrix Controller
Channel	16 channel inputs and 16 channel outputs
Max Capacity	128 zones by cascaded 8 units together
Call Station Input	Call station input 1-5, RJ45 port, 10kΩ, 10V, balanced
Input	Line1-16: 1kΩ, 330mV, unbalnced RCA input EMC1: 10kΩ, 330mV,unbalanced
Output	Line1-16: 10kΩ, 330mV, unbalanced RCA output EMC1: 10kΩ, 0.775mV, 0dB, umbalanced
Alarm	Alarm input: 0V, closed circuit contact Alar moutput, 0V, closed circuit contace
Display	128 x 64 LCD display in English
Frequency Response	60-16KHz(±3dB)
Control	16 zone output volume controls Menu buttons: up, enter & down ID dip switch Master or slave dip switch
Protection	AC fuse 0.5A, 1PCS
Power Consumption	20W
Power Supply	AC 230V or 110V, 50-60Hz
Dimension	484(W) x 390(D) x133(H)mm
Net Weight	7.1kg
Packaging	520(W) x 455(D) x185(H)mm
Gross Weight	8.5kg

Features:

CD/Mp3 Player
AM/FM Tuner
Microphone
16 CH Audio Matrix Controller PA-1600
5 Units
Remote Microphone PA-1600RM
Fire Center
Fire Alarm Panel with Recorder PA-100FA

Zone 1~4
64 PCS 6W Ceiling Speaker
Four Channel Amp DA-4120
Zone 5-8
12 PCS 30W Outdoor Horn Speaker
Zone 9-12
18 PCS 20W Outdoor Horn Speaker
Four Channel 120W Amplifier DA-4120
Zone 13-16
12 PCS 20W Outdoor Horn Speaker

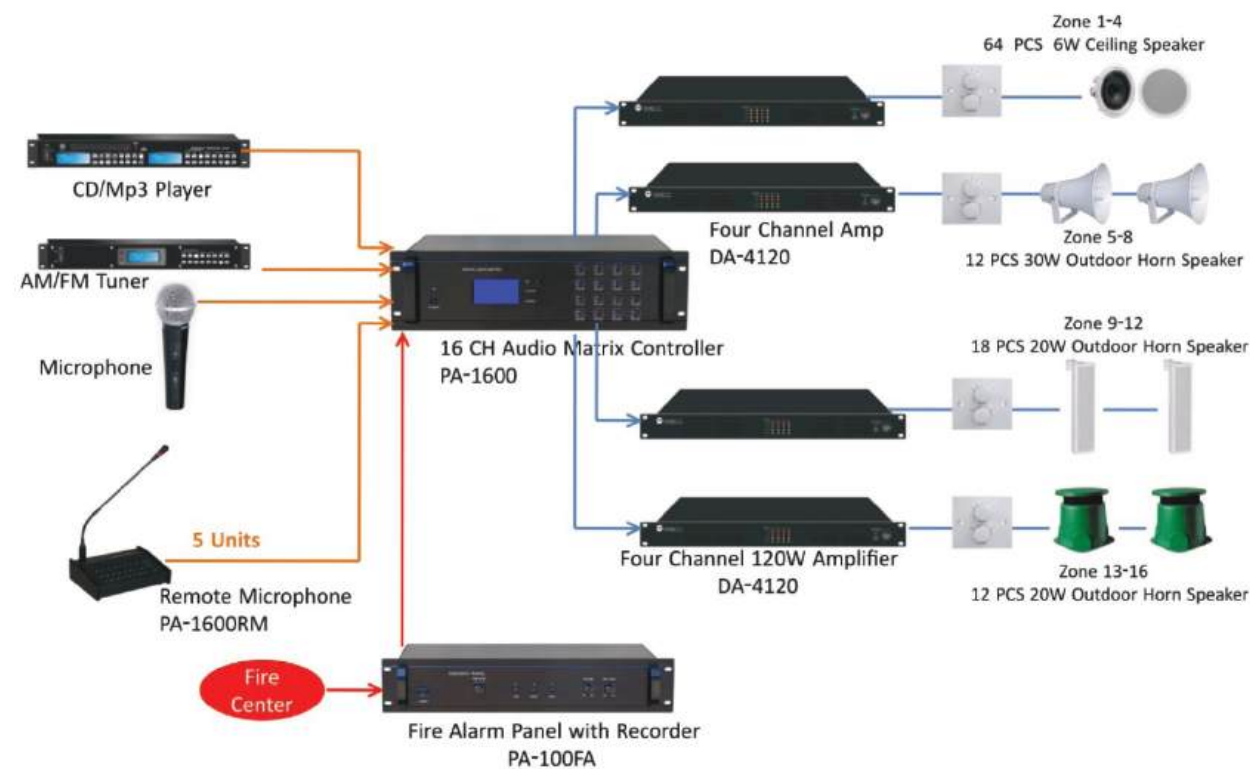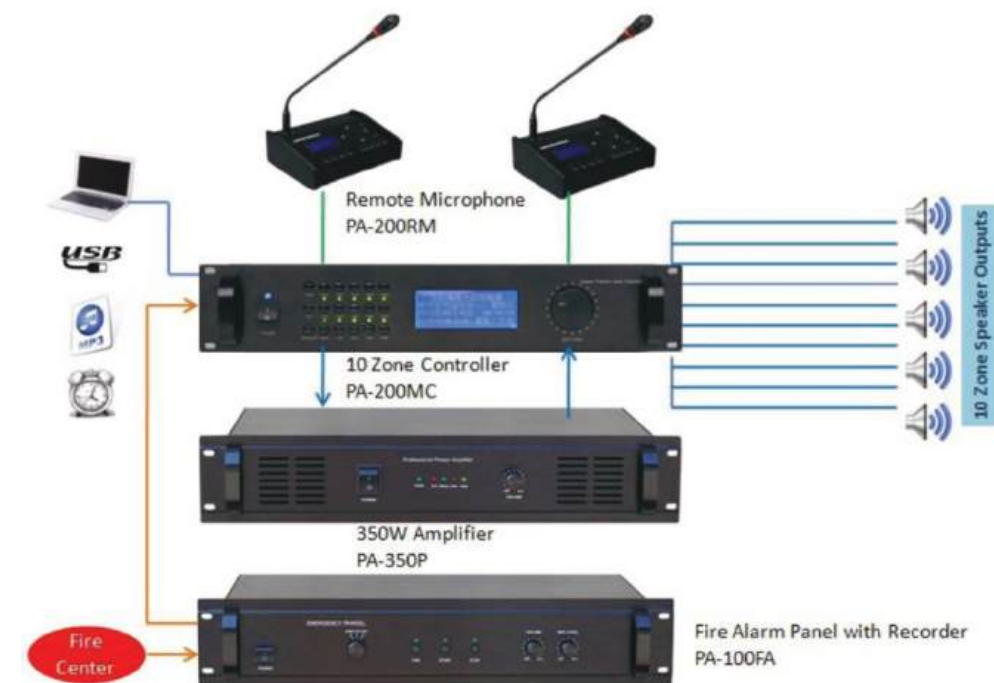## Intelligent PA System 10 Zone Controller with Mp3
PA-200MC

Features:

- Public address system classic cost-effective medium to big-scale sound system intelligent controller.
- Ideal PA sound system controller for school, shopping mall, hotel, and intelligent office etc.
- All in one intelligent PA system controller built in weekly timer, 10 zone speaker selector, Mp3 player, remote 10 zone paging controller, fire alarm and voice evacuation system interface and programmable power sequencer.
- Built-in weekly timer, monitor, 10 zone speaker selector, 6 channel power sequencer and Mp3 player.
- Expandable from 10 zones to 160 zones.
- 3 modes of voice alarm: all zones, separate zone and neighboring zones voice alarm.
- One amplifier or 5 amp inputs divided into 10 zones speaker output.
- Timely broadcast up to 99 program sources.
- Broadcast modes: random, repeat and circle.
- 4 regular programs and I spare program for emergency/particular circumstance.
- Functional swift key for internal MP3 player priority manual broadcast.
- Zone 1-10 selector, all zone selectors, music/paging switch, MP3 swift button, swift program button, power control channel 1-4 buttons & menu button.
- Power handling 5000W over each 10 zones
- The system communication distance up to 1kms
- Memory function even in case of power off.

Specification:

Model	PA-200MC
Description	Intelligent PA System 10 Zone Controller with Mp3
Function Button	Light touch press buttons include: 4 power switch buttons, 1 MP3 control button, 1 backup programs witch, 10 zones speaker selector button, all zones button, 1 music or paging switch button. One menu button.
Indication Method	192x64 LCD display, English
Audio Output	1kΩ 0.775V unbalance (6.35RC), 0V (Short Circuit) Industrial Standard
EMC Inputand Output	Integrated Terminal Black, 0V (Short Circuit) Industrial Standard
100V Input	Integrated Terminal 5 Channels: CHA CHB CHC CHD CHE
Am plifier Inputand Output	0.5W
Monitor Powerof Speaker	-∞ ~0dB
Monitor Volume Attenuator	24 hours (hour-minutes-seconds) weekly
Time Mode	Total 5pcs (4 normal programs, 1EMC)
Program Quantity	Total 512 Steps, 1day 200 Steps
Program Steps	RS 422
Communication Protocols	RS 485 and RS 232
Communication Port	Two RJ45 ports for remote microphone, one RS 232 port for PC
Communication Speed	4800bps
Mp3 Frequency Response	20Hz~20KHz / 1dB
Mp3 Store Format	Compatible FAT 12, FAT 16, FAT32
Power Supply	~110V / 60Hz or ~230V / 50Hz
Dimensions	484 x 303 x88mm
Weight	6.8kg

Connetion Diagram

USB
Remote Microphone PA-200RM
10 Zone Controller PA-200MC
350W Amplifier PA-350P
Fire Center
Fire Alarm Panel with Recorder PA-100FA
10 Zone Speaker Outputs

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

CMX

16 Zone Remote Microphone
PA-1600RM

- Work together with PA-1600
- Up to 5 units remote call stations
- With chime and mute features
- Capacity of separate zone, group zones and all zone paging

10 Zone Remote Microphone
PA-200RM

- Work together with PA-200MC & PA-100PS
- Up to 5 units remote call stations
- With chime and mute features
- Capacity of separate zone, group zones and all zone paging

PA-100KS
10 Zone Speaker Selector

- Two line inputs and ten 100V speaker zone outputs
- Two EMC outputs and 10 alarm inputs CH1 to Ch10
- Two line outputs to amplifiers
- 10 zone individual control with indicator on front panel

PA-100PS
10 Zone Paging Selector

- Capacity to divide one amplifier into 10 speaker zones
- Inputs of one mic, 4 remote mic, one line and one EMC
- Two line outputs
- Alarm inputs CH 1 to CH10
- Relay outputs CH1 to CH10

PA-100PR
10 Inputs Pre-Amplifier

- Inputs of 5 mic, 3 line and 2 EMC
- Four line outputs to power amplifier
- With chime & siren with priority
- Each input with separate volume control
- Mic 1 with VOX of highest priority

PA-100FA
Fire Alarm Panel with Recorden

- Automatically broadcast built-in siren in case of fire alarm
- Built-in recorder through mic or line to record
- Siren of 1 minute recording
- Two fire alarm modes: manual start and automatically trigger
- Knob with four position: Siren, play, record and off
- Buttons: Manual alarm trigger, start & stop
- Output volume & record volume control
- Mic output, line input, alarm input & alarm output

PA-400U
4 Zone Weekly Timer wiht Mp3 & FM

- Weekly timer with Mp3 player & FM tuner
- Mp3 player support Mp3/MAV/WMA format
- USB input on front panel
- One mic input, one EMC input, one line input and four line outputs
- CH1 to CH4 100V inputs from amplifier
- Built-in 5W hi-fi monitor speaker
- 4 Zone speaker outputs with separate volume control

PA-100MP
10 Channel Monitor Panel

- 10 channel speaker inputs for monitor use
- Front panel with monitor volume control
- Front panel with 10 zone selector
- Built-in 5W hi-fi monitor speaker
- With visualized output level meter

CMX

PA-100AC
5 Channel Amplifier Failure Changeover

- Automatically switch into backup amplifier when main amp fails
- One standby amplifier to backup five main amplifiers
- Each channel switch capacity 150V/20A
- Line input 1-5, line output 1-5
- Amplifier input and amplifier outputs of 5 channels
- Repeatedly line supervision of 30 times every 20mS

PA-100FM
30 Zone Fire Alarm Matrix

- 30 zone fire alarm interface with audio matrix
- Fire alarm modes of N±1 to N±4
- 30 EMC inputs and 30 EMC outputs
- Different voice message for different zone in case of fire alarm
- With one EMC input and one EMC output

PA-100DM
DVD Player with Mp3 Player & USB

- 19" rack mount type DVD Mp3 player.
- Audio Sources for public address system.
- CD/MP3/MP4/VCD/DVD player.
- With VFD display.
- Can select any song or any paragraph for play.
- After the POWER ON it will play in order automatically
- 1.5U height for rack installation audio sources player

Economy Digital AM/FM Tuner with USB
DAU200

- Economy range digital stereo AM/FM tuner
- 19" rack mount type PA sound system audio source player with IR remote control
- Station memory stores up to 60 channels, Previous and next station selection, USB input on front panel
- Mono audio output, RCA audio output jacks
- With 19" rack mount bracket, Manual/automatic tuning
- Frequency Response 20Hz-20KHz, Freq range MW 522Kz-1620KHz FM B7MHz-108MHz
- DNR sensitivity MW 5Mv/m, AC power supply: 220V 50/60Hz
- Dimensions 482*240*44mm, Weight: 2.3kg

CMT200
CO/Mp3 Player with Tuner

- 1U Height 19" rack mount design.
- Three in one audio sources player.
- Music player with CD, Mp3 and tuner.
- Dual LCD English display with blue back light.
- Support various audio formats includes CD, CDR, CDRW, Mp3 & WMA
- Mp3 player with USB input on front panel.
- Tuner support AM, FM & RDS.
- Supplied with IR remote control.

Model	CMT200
Description	CD/Mp3 Player with Tuner
Sources	CD, Mp3 & Tuner
Input	CD slot in & USB
Frequency Response	20Hz-20KHz
S/N Ratio	60dB
Pitch Adjustment	±24%
Radio Frequency	FM: 87-108MHz AM: 522-1620KHz
Dimension	484(W) x 260(D) x 44(H)mm
Weight	3.1kg

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

- Built-in RMS 60W power amplifier at 4 ohms low impedance output.
- Built-in three units 4" woofer and one unit 2" tweeter two way sound system.
- A flexible gooseneck microphone and one lamp supplied.
- Mic2/line input and stereo aux input. Line output and REC output.
- Bass, treble, aux, Mic1-2 & line volume control.
- Line output for external power amplifier use.
- External speaker outputs (one 4 ohms speaker/two 8 ohms speakers parallel connected)
- VHF wireless microphone service range of 120 to 150 meters.
- Wooden top, metal body & base.
- Black color finish and option of white and wooden colors.
- Applications: Mosque, Church, School & Conference Center
- Dimension of 580(W)x420(D)x1100(H)mm
- Net Weight of 30kg

60W Lectern & Podium
PL-60B (Black)
PL-60BV (with VHF Wireless Mic)
PL-60W (White)
PL-60WV (with VHF Wireless Mic)

Condenser Microphone					
Model	**TM-300A**	**TM-300B**	**TM-300E**	**TM-300F**	**TM-303C**
Description	Tabletop Condenser Microphone				
Chime	No	No	No	No	No
Capsule Type	Condenser	Condenser	Condenser	Condenser	Condenser
Frequency Response	40Hz-16KHz	100Hz-16KHz	20Hz-16KHz	40Hz-16KHz	20Hz-20KHz
Polar Pattern	Cardioid	Cardioid	Cardioid	Hyper-Cardioid	Cardioid
Output Impedance	200Ω	200Ω	75Ω	200Ω	200Ω
Sensitivity	-42dB	-42dB	-40dB	-40dB	-42dB
Gooseneck Length	415mm	415mm	410mm	430mm	390mm
Voice Pick-up Distance	40cm to 80 cm	40cm to 80 cm	40cm to 80 cm	40cm to 80 cm	40cm to 80 cm
Output Connector	Unbalanced connector	Unbalanced connector	Unbalanced connector	Unbalanced connector	Balanced connector
Power Supply	DC3V	DC3V	DC3V or 48V Phantom Power	DC3V	DC3V or 48V Phantom Power
Dimension	125(W)×134D)×38H)mm	130(W)×110(D)×33H)mm	140(W)×114(D)×37(H)mm	130(W)×102(D)×40(H)mm	160(W)×114(D)×57(H)mm

Condenser Microphone					
Model	**TM-302C**	**TM-300K**	**TM-300S**	**TM-300U**	**TM-300W**
Description	Tabletop Condenser Microphone				
Chime	Yes	No	Yes	No	
Capsule Type	Condenser	Condenser	Condenser	Condenser	Condenser
Frequency Response	40Hz-16KHz	40Hz-16KHz	40Hz-16KHz	30Hz-20KHz	30Hz-20KHz
Polar Pattern	Cardioid	Cardioid	Cardioid	Uni-Directional	Uni-Directional
Output Impedance	200Ω	200Ω	200Ω	75Ω	75Ω
Sensitivity	-38dB	-38dB	-45dB	-45dB	-45dB
Gooseneck Length	420mm	415mm	390mm	410mm	265mm
Voice Pick-up Distance	40cm to 80 cm	40cm to 80 cm	40cm to 80 cm	40cm to 80 cm	40cm to 80 cm
Output Connector	Unbalanced connector	Balanced connector	Unbalanced connector	Balanced connector	Balanced connector
Power Supply	DC9V or AC220V	DC9V or 48V Phantom Power	DC9V or AC220V	48V Phantom Power	48V Phantom Power
Dimension	150(W)×126(D)×39(H)mm	155(W)×130D)×36(H)mm	183(W)×112D)×43(H)mm		

UHF Wireless Microphone System
WM-U100A (Single Channel)
WM-U200A (Dual Channel)

- State of art design UHF wireless microphone system of tabletop design in 1U heigh.
- Ideal for speech, announcement, meeting system or religious gathering and life performance use.
- Suitable for hotel, factory, school, restaurant, train station, church, mosque sound system use.
- Includes single channel receiver with LCD and one handheld transmitter microphone with LCD.
- Support 200 sets working at the same time by different channels with PLL automatic phase lock.
- Support more than 150 meters operation distance.
- Handheld microphone is powered by DC3V, battery working time more than 10 hours and standby 30 hours.
- Strong damage proof design dynamic microphone with high sensitivity.
- Wide power supply of AC 110V to 230V.
- Option: Lapel mic, handlheld mic and headphone three options without extra cost.

UHF Wireless Microphone
WM-U200E

UHF Wireless Microphone
WM-U200B

UHF Wireless Microphone (True Diversity, Metal Mic)
WM-U200K

UHF Wireless Microphone
WM-U200

UHF Wireless Microphone (True Diversity, Metal Mic)
WM-U100

Model	**WM-U100A & WM-200A**
Description	UHF Wireless Microphone System
Frequency Point	200 points
Frequency Match	Infrared auto matching
Surge Mode	PLL phase lock
Frequency Response	40Hz-15KHz
Dynamic Range	≥90dB
THD	≤0. 5%
S/N Ratio	≥90dB
Operation Distance	200 meters
Operation Temp	-10℃ to +55℃
Carrier Frequency Range	720-830MHz
Receiver	
Sensitivity	>2mV
Image Rejection	>50dB
De-Emphasis	50μS
Audio Output Impedance	600Ω
Audio Output Level	0 to ±400mV
Power Supply	AC 110V to 230V
Pawer Consumption	<500mV
Dimension	215(W) x 205(D) x 53(H)mm
Weight	1. 2kg
Transmitter	
Frequency Stability	±0. 005%
RF Output Power	≤30mV
Spurious Rejection	>40dB
Modulation Mode	FM, F3E
Max Deviation Range	±50KHz
Microphone Type	Dynamic microphone
Pre-Emphasis	50μS
Power Supply	DC3V（AA1. 5V x 2）
Power Consumption	≤80mA
Dimension	53(D) x 250(H)mm
Weight	0. 23kg

Voice Alarm
Class-D Amplifier
Mixer Amplifier
Power Amplifier
100V Speaker
IP Network Audio
IP Intercom
PA System
Microphone
Conference System
Pro Speaker
Pro Amplifier

CMX

Dynamic Microphone							
Model	U201	U202	U203	U204	U207	U209	U210
Description	Unidirectional Dynamic Microphone						
Impedance	600 ohms, unbalanced						
Material	Metal	Metal	Metal	Metal	ABS	ABS	ABS
Cable Length	4 ms	4m	5ms	5ms	3.5ms	3ms	2ms

Microphone Stand MS-200

Floor Microphone Stand (Metal) MS-750

Speaker Stand SS-500

- 19 inch standard cabinet for sound system installation
- With AC fans for cooling
- Disassembled for easy shipment
- Front glass door with lock
- Rotatable wheels and fixed stands
- With installation brackets and screws

19" Installation Rack

RK-9U	RK-16U
RK-27U	RK-33U
RK-39U	RK-41U

CMX

AK-8A	AK-10A	AK-12K	AK-15A
8" Trolley Speaker	10" Trolley Speaker	12" Trolley Speaker	15" Trolley Speaker
Speaker stand Installation and Switchable Handle		Speaker Stand Installation or Push Handle	
60W/120W	80W/160W	100W/200W	150W/300W
Mp3/USB/SD/FM/Blue tooth and VHF Wireless Microphone			
80 SQ meters coverage	150 SQ meters coverage	250 SQ meters coverage	350 SQ meters coverage

- Two way trolley speaker with Mp3, FM, Bluetooth and VHF wireless microphone
- Two way self-powered wireless portable PA system
- With high efficiency powered woofer and high quality Tweeter horn
- Waterproof P.P. Fiber with durability, light weight and portability and can be used in various occasions
- Operation voltage AC85V-265V is suitable for various countries
- Built in 12V/12A rechargeable battery operation time up to 10 hours
- Built-in high quality AB amplifier to self-power the loudspeakers
- With FM radio & Bluetooth function
- With USB port and SD/MMC/MMS card slot to play MP3 music
- Supplied IR remote control for Mp3 & FM & bluetooth
- 3.5mm AUX input for Iphone, Ipod and Laptop
- LED display screen for MP3 information
- With VHF dual channel receiver and two Handheld/Lavaliere microphones
- Two 6.3mm phone jack inputs for external microphones
- Microphone1 input with VOX priority
- Bass, Treble , wired MIC volume & wireless MIC volume
- Portable wireless amplifier ideal for wedding ceremonies or presentations

Voice Alarm
Class-D Amplifier
Mixer Amplifier
Power Amplifier
100V Speaker
IP Network Audio
IP Intercom
PA System
Microphone
Conference System
Pro Speaker
Pro Amplifier

Digital Conference System Controller

CS-600

- The digital conference system controller is specially designed for discussion system.
- Cost-effective and excellent voice restoration system.
- Ideal use in board room, meeting room, conference room in hotel, office and government.
- The capacity of system is 60 units and max 250 units by cascaded more extension controller.
- Voting, simultaneous interpretation and auto video tracking function are optional functions.
- Support multiple discussion modes: free, first in first out, and limited discussion.
- Support free discussion quantity of 1, 2, 3 and 5.
- The digital conference system built-in stereo power amplifier rated output is 2x50W.
- Amplifier with overload, high temp and short-circuit protection.
- Built-in 1W monitor speaker to monitor the system performance.
- With AUX input and MIC input.
- With one aux output, one line output and TEL input for telephone conference system.
- With REC output for recording system like DVR or recorder.
- With Effecter input and output for EQ, mixer and DSP.
- With one RS232 communication port for central control system
- AUX and AUX output for extra sound amplification equipments.
- Bass, treble, MIC, AUX, Monitor and Master volume control.
- Included with one 13 meters cable with 8 PIN plug.

Specifications:

Model	CS-600
Description	Digital Conference System Controller
System Capacity	60 units and 250 units by cascaded more extension controller
Connection Way	Bus way, each microphone unit connected to the mainline
Power Supply	AC220V or 115V, 50-60Hz
Power Consumption	500W
THD	<0. 05%
S/N Ratio	>75dB
Frequency Response	100Hz-18KHz
Input	One aux, one mic, one effecter, one RJ45 port for telephone input or video controller and one RS232 port for central control system
Output	One aux, one REC and one balanced XLR mixed line output, two pairs low impedance peaker outputs
Output Impedance	47KΩ
Communication Port	4 DIN ports to connect with delegate units by B PIN connector
Dimension	488(W)x360(D)x84(H)mm
Weight	12.7kg

CS-680 (Discussion & Voting Chairman Unit)
CS-681 (Discussion & Voting Delegate Unit)

CS-690 (Discussion & Voting Chairman Unit)
CS-691 (Discussion & Voting Delegate Unit)

Extension Cable
CS-10 (10 meters)
CS-20 (20 meters)
CS-50 (50 meters)

Features:

- The standard communication extension cable
- Main to used to extend the distance from controller to the chairman unit
- With secure well shielded finish
- With two 8 Pin male connectors
- Bus line connection, all delegate units connected to the main line through T-shaped connector.

Features:

- The digital microphone is specially designed for discussion system.
- Cost-effective and excellent voice restoration system.
- Ideal use in board room, meeting room, hotel, office and government.
- The capacity is 60 units and max 250 units by cascaded extension controller.
- Tabletop deign digital microphone for easy mobile installation.
- Chairman unit with priority over delegate unit when speech.
- Chairman unit with one red priority button except one microphone on button.
- Chairman unit can turn off the delegate unit speech.
- The system support only chairman mode without interruption from others.
- Delegate unit can speech only after the chairman unit exit the " Chairman Mode" .
- Support multiple discussion modes: free, first in first out, and limited discussion.
- Support free discussion quantity of 1, 2, 3 and 5.
- Built-in 3W hi-fi monitor speaker, which will be auto off when microphone is on.
- With one 3.5mm earphone input.
- With monitor speaker volume control.
- With round ring indicator will be light on when microphone on .
- Gooseneck length of 390mm, other length could be customized.
- Gooseneck color of black, silver could be optional.
- Voting conference system, simultaneous interpretation and auto video tracking function and video conference system are optional functions.

Specifications:

Model	CS-601	CS-603	CS-605	CS-602	CS-604	CS-606
Description	Chairman Unit			Delegate Unit		
System Capacity	60 units and 250 units by cascaded more extension controller					
Connection Way	Bus way, each microphone unit connected to the main line					
Power Supply	DC 24V by controller					
Voice Pickup Distance	15-50cm					
Sensitivity	-44dB±2dB					
Frequency Response	40Hz-16KHz					
Monitor	Built-in 3W monitor speaker with output volume control					
Control	One 3.5mm earphone input					
Indicator	Red round ring indicator light on when microphone on					
Button	One microphone on in black and one priority in red					
Gooseneck Length	390mm					
Finish	ABS in black					
Cable	2 meters cable with T-shaped plug are included					
Dimension	165(W)x135(D)x 60(H)mm					
Weight	0.8kg					

CS-601 (Discussion Chairman Unit)
CS-602 (Discussion Delegate Unit)

CS-603 (Discussion Chairman Unit)
CS-604 (Discussion Delegate Unit)

CS-605 (Discussion Chairman Unit)
CS-606 (Discussion Delegate Unit)

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

Conference System Controller
CS-500

Features:
- The conference system controller is specially designed for discussion system.
- 19" rack mount type audio conference system.
- Built-in 3W Hi-fi monitor speaker.
- Cost-effective and excellent voice restoration system .
- Ideal use in board room, meeting room, conference room in hotel, office and government.
- The capacity of system is 75 units delegate microphone.
- Support multiple discussion modes: free, first in first out, and limited discussion.
- Support free discussion quantity of 1, 2, 3 and 5.
- With bass, treble and master volume control.
- With two line inputs and one XLR line output.
- With three 8 PIN ports for delegate unit.
- Direct power supply to the delegate unit.

CS-501 Chairman Unit
CS-502 Delegate Unit

CS-515 Chairman Unit
CS-516 Delegate Unit

CS-507 Chairman Unit
CS-508 Delegate Unit

CS-509 Chairman Unit
CS-510 Delegate Unit

CS-517 Chairman Unit
CS-518 Delegate Unit

CS-519 Chairman Unit & Voting
CS-520 Delegate Unit & Voting

Feedback Suppressor
DSP8

2 In/4 Out Loudspeaker Management System DLM-240
4 In/8 Out Loudspeaker Management System DLM-480

Model	DLM-240	DLM-480
Description	Digital Loudspeaker Management System	
Outstanding	Excellent sonic performance with 24bit high end converters coupled with 48kHz sample rate	
Performance	2 inputs/4 outputs or 4 inputs/8 outputs with full matrix mixing	
Top-grade DSP Engine	5 band parametric equalization per input channel	
	7 band parametric equalization per output channel	
	Each band can be switched to Bell, Low/High Shelving, as 1st and 2nd order	
	Crossover filters with slopes from 6dB/Octave up to 24dB/ Octave including Butterworth, Bessel, Linkwitz-Riley	
	Each output features a precision dynamic range controller composed of a Limiter working on RMS value of the limiter's input	
	Adjustable Delay time up to 850 ms for every input and output channel	
	Phase correction per output channel	
PC/Network Connection	Rear panel USB connector for direct PC communications	
	RS485 connection for system setup, monitoring and control via fully manageable remote PC software	
Control	Front panel interactive LCD display for local access and configuration	
	Front panel 7-LED level meter indicators per channel	
	Simultaneous control up to 32 units via PC software	

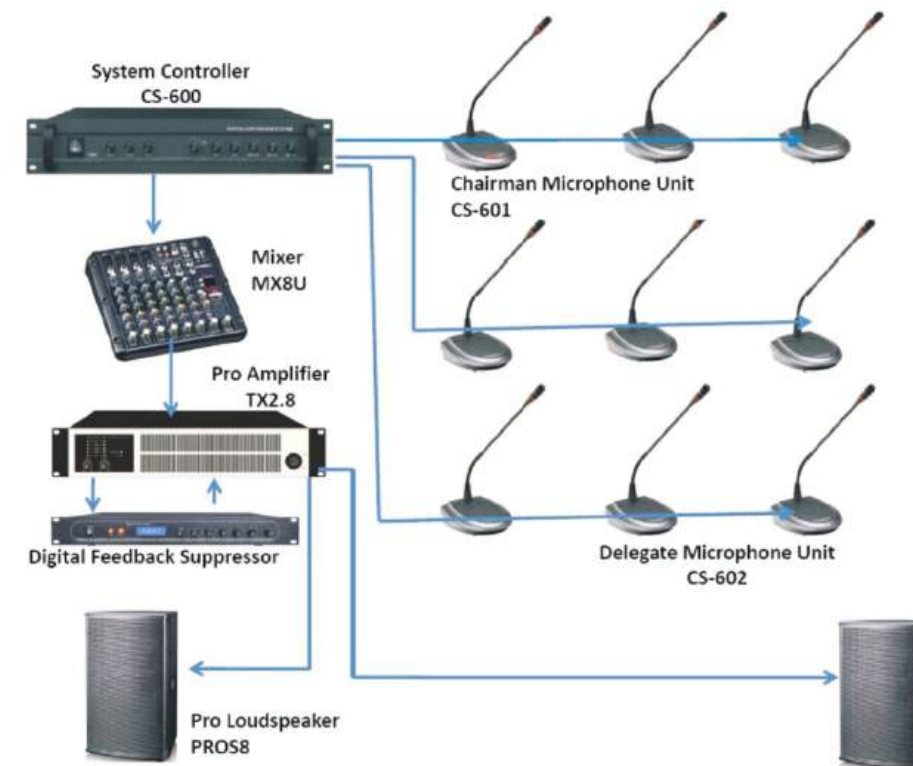## Infrared Wireless Conference System Controller
IRCS-800

Features:
- Infrared wireless transmission technology was featured by flexible installation and portable for rental use.
- Meet the needs for secure and interference-free communication and discussion conference system.
- Minimum equipment to set up a basic conference system in a short time.
- Ideal use for board room, conference room and meeting room for hotel, office and government.
- Capacity of connection up to 160 units wireless delegated microphones.
- Support up to 3 delegated microphone online discussion at the same time.
- Multiple meeting modes of limited speech, first in first out and chairman priority.
- Built-in 160x32 LCD screen in English to display each microphone working and power status.
- Two line outputs for recording system and reinforce sound system
- With identity card for security to access to operate the controller
- With video output to auto-video tracking controller
- Infrared wireless technology for control and FM radio technology for communication

Specifications：

Model	IRCS-800	
Description	Infrared Wireless Conference System Controller	
Audio Channel	Transmission Way	Wireless Radio
	Audio Channel	4
	Carrier Band	6M-8MHz
	Modulation Method	FM frequency modulation
	Sensitivity	-85dBM
	Output Level	-10dB
	Operation Distance	>10meters
	Frequency Response	100-10KHz
	S/N Ratio	>70dB
	THD	<0.5%
Data Control	Transmission Way	Wireless Infrared
	Data Channel	14
	Frequency Range	915-925MHz
	Modulation Way	FSK
	Sensitivity	-80dBM
	Transmission Loss	10dBM
	Communication Rate	100Kbps
	Radiation Coverage	100 SQ meters
Power Supply	AC 220V or 115V, 50-60Hz	
Power Consumption	10W	
Operation Temp	0-40℃	
Dimension	484(W)x377(D)x85(H)mm	
Weight	6.85kg	

System Connection:

System Controller CS-600
Chairman Microphone Unit CS-601
Mixer MX8U
Pro Amplifier TX2.8
Digital Feedback Suppressor
Delegate Microphone Unit CS-602
Pro Loudspeaker PROS8

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

- Chairman unit with priority over delegate unit when speech.
- Chairman unit can turn off the delegate unit speech.
- The digital wireless conference system support only chairman speech mode without any interruption from others. Delegate units could speech. only after the chairman unit exit the "Chairman Mode".
- Built-in long time lithium rechargeable battery.
- Support 8 hours of speech use and 30 hours of standby.
- LCD screen English display the microphone ID, signal level, battery status, microphone status and control channel.
- The infrared wireless conference system chairman delegate microphone with additional priority button except the on/off button.
- The digital IR wireless conference system microphone is designed with round ring indicator for microphone on.
- There are five buttons to set up the ID, control channel, light contrast ratio and light time.
- Power standby automatically when there is no operation within 99 seconds.
- The microphone will be power off within 60 seconds when there is system error
- Weak power reminding will pop up in the LCD display with "IR Signal Weak" when power is not enough.
- Gooseneck length of 400mm, longer one could be customized without additional cost.
- Gooseneck have silver and black two color options.
- Each conference system only support one chairman unit and its ID shall be 001. Infrared wireless technology for control and FM radio technology for communication

IRCS-801 Infrared Wireless Chairman Unit

IRCS-802 Infrared Wireless Delegate Unit

Infrared Wireless Transmitter

IRCS-803

Infrared Wireless Distributor

IRCS-804

Battery Charger (10 Channel)

IRCS-805

Specifications：

Model	IRCS-801	IRCS-802
Description	Infrared Wireless Chairman Unit	Infrared Wireless Delegate Unit
System Capacity	160 units	
Power Supply	Built-in lithium battery, 12V, 4,000mAH	
Modulation Way	Frequency modulation	
Battery Working Time	8 hours	
Battery Standby Time	30 hours	
Power Consumption	8W	
Receiving Angle	Vertical 120℃ and horizontal 150℃	
Voice Pickup Distance	10-30cm	
Gooseneck Length	400mm	
Gooseneck Color	Black（Silver is optional）	
Operation Temp	0℃ to+40℃	
Dimension	210(W)x140(D)x69(H)mm	

Features:
- Head of language distribution and simultaneous interpretation system.
- 12 languages (1 ground and 11 International) simultaneous translation and distribution system.
- This transmitter will receive 12 different voice inputs then generate the infrared wireless signal to be radiated by the IR radiator, while the attendant with
- IR receiver could receive different translated language by selecting different receiving channels.
- Stable strong signal for accurate wireless infrared transmission system to prevent interference.
- Suitable for indoor and outdoor moderate and big conference hall use.
- Automatic output level control technology (ALC).
- No interference from lighting system and other wireless communication system.
- Advanced daisy chain connection to save cable and layout cost.
- Elegant and ergonomic design to integrate with the architecture application.
- 12 channel interpretation inputs and outputs.
- Each channel with REC output for recording system like DVR or recorder.
- Test function to ensure the well installation.
- Separate 12 channel output level display tor visual monitor use.

IR Wireless 12 Channel Transmitter
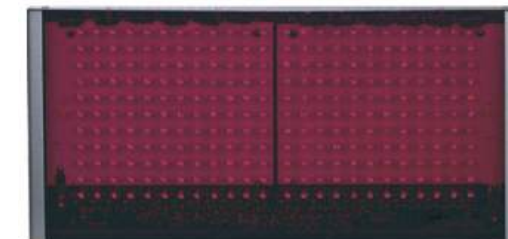
TS-700

Features:
- Stable strong signal for accurate wireless infrared transmission system to prevent interference.
- One radiator capable of radiate and distribute 12 languages to be received by the IR receiver.
- Rated power output of 30W.
- Coverage of 30 square meters for room ceiling less than 8 meters.
- Big size room could cascaded several radiator together.
- Automatically power standby after 5 seconds without receiving input.
- Automatically power on immediately at sight of any signal input.
- Automatically control the gain output to ensure the maximum signal radiation.
- Versatile mounting way by ceiling, surface mount, wall mount or floor stand installation.
- Daisy chain connection for easier expand and cable saving.
- Wider radiation angles ±22℃ at half intensity to ensure signal strength in every corner.
- Rotatable mounting bracket is supplied .

IR Wireless 12 Channel Radiator

TS-701

- One interpreter unit capable of receive 12 channels and translate 1 language to be received by the IR receiver.
- The system capacity of connection 11 interpreter units.
- With inter-lock technology for same channel to ensure the correspondent of channel and language.
- With indirect translation function, the interpreter can monitor others translation when the speech from the spokesman could not be understood, by this way, she can continue his translation without any delay.
- Built-in 3" LCD to display the input and output channel in English, With busy and mute indicator.
- Slow reminding button to spokesman to remind slow down the speaking speed.
- With cough-proof function by automatically delete the noise.
- With headphone input and volume control, Output volume attenuator to avoid feedback.
- Built-in speaker to monitor her own translation.
- With 25 Pin input from transmitter and one link output to next interpreter unit. with 13 Pin input as spare use.

12 Channel Interpreter Unit

TS-702

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

- 12 languages (1 ground and 11 international) simultaneous translation and distribution system.
- The spokesman's speech in different languages will be send to the interpreter unit by the IR transmitter, the translator will selected the language to translate by the interpreter unit, the translated speech will be simultaneously send back to the IR transmitter. This transmitter will receive 12 different voice inputs then generate the infrared wireless signal through the 12 different outputs to be radiated by the IR radiator. while the attendant with IR receiver could receive different translated language by selecting different receiving channels.
- One IR receiver capable of receive 12 languages by select different channels.
- The system capacity of connection more than 5,000 IR receivers.
- Pocket mini size for easy handheld use.
- With power switch, volume control and channel selector.
- With IR receiver cover to prevent dust and filter lighting.
- With earphone input to listen the different translations.
- The LCD could display the selected channel, the battery status and signal strength.
- Powered by the built-in rechargeable lithium battery. Full working time of 8 hours and 32 hours of standby.
- With battery protection cover lock only lo be opened by the supplied key.
- With battery charge box to charge the IR receive directly before the use.
- Earphone TS-705 is already included. Earphone TS-706 is optional to buy to work with the IR receiver.

IR Wireless 12 Channel Receiver
TS-703

- The battery is exclusively designed to directly charge the IR receiver TS-703, which is used inside the IR wireless simultaneous interpretation system.
- It is designed with portable strong protection box easy for rental and mobile use.
- It permits up to 24 batteries simultaneously charged.
- Charging time is about 3 to 6 hours.
- Power supply of AC220V or 115V, 50-60Hz.
- Built-in over charge protection to protect the lithium battery life span.
- With charging red indicator and full green indicator.

Battery Charger
TS-705

Headphone for Interpreter
TS-704

Earphone
TS-706

57

HD Video Conference System				
Model	VC-600SF	VC-600HD	VC-602CA	VC-600MC
Description	HD Video Conference System Software	HD Video Conference System Terminal	HD Video Conference System Camera	HD Video Conference System MCU
Capacity	126 Users	4 Users	126 Users	16 Users
	1080P/60 Full HD	<150 ms Latency	500-Megapixel	18-20 Optical Zoom

FEATURE:
It's embedded with 4 micro control unit so that it supports 4 party conference and intelligent split screen; Wide adaptation and interworking; Support HD 1080P video and OPUS_48K Hi-fi audio; Using menu type UI; Using intelligent flow control and algorithm of forward error correction (FEC); with the feature of anti network volatility; H.264 high profile; Dual-stream, dual-display, and the video format is 1080P; Reliability: it uses stable embedded system design to ensure stably operating in 7 x24 hours; Slim; stylish appearance; Dimension (mm): 220x324x40; Easy to use: boot configuration is same with the last conference; 2 hot-key: 1 is to attend the meeting, and the other is to speak; no need professionals; HD: Support 1080P/60; only need 1M to hold 1080P video conference

COMMUNICATION PROTOCOL:
Multimedia framework protocol: ITU-T H.323 and IETF SIP

VIDEO FEATURES:
Support H.264 (High profile); With HD video input/output: DVI and HDMI; Video resolution: 1080P60/50、1080P30/25、1080P24、720P、D1、480P、CIF、QCIF; Static Graphic: 1080P(1 to 60 fps), 1280x1024, HD 720P, XGA, 640x480; Support dual-stream technique H.239; main/auxiliary stream is up to 1080P/60; Low bandwidth HD image 1080P/30; Min. Bandwidth is 1Mbps;

AUDIO FEATURES:
Audio condec technique: G.711A/U、G.722、G.7221、G.722.1.C、G.723、iLBC、AAC、OPUS, etc;
Synchronization of lip and voice; Multiple CH audio mixer; Echo canceling; Auto gain; Noise canceling; Phantom power.
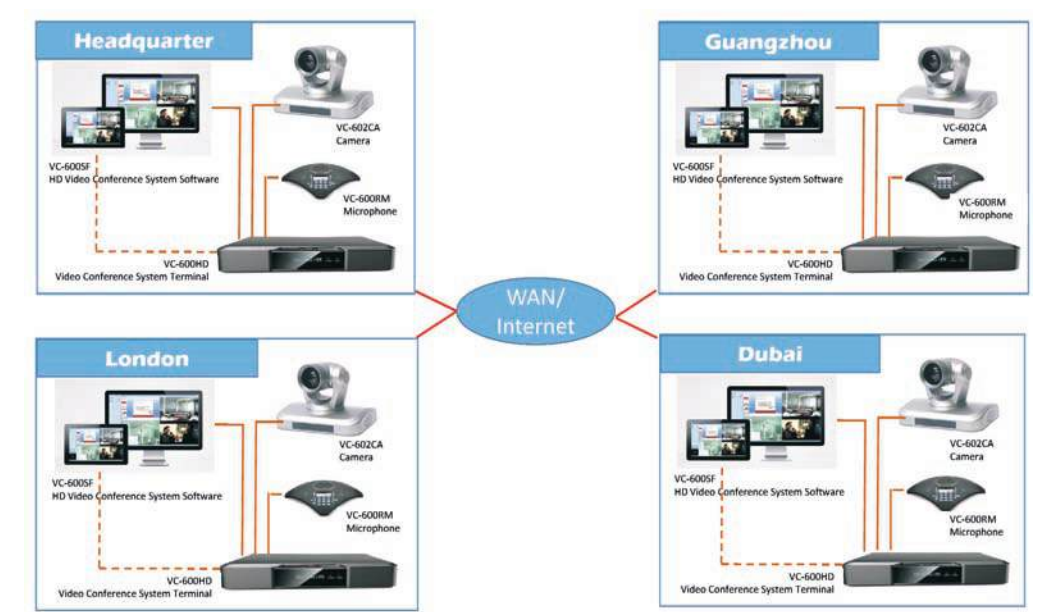
NETWORK FEATURES:
Support SVC H.264 which could stand pack loss rate 20%; Support voice priority and strategy QoS; Support H.235 signal encryption and AES media stream encryption; Need password to attend conference/manage conference.

CONFERENCE FEATURES:
Support common multiple screen layout; support up to 16 split screen.
Maintenance and Management Using menu type remote control; Support remote maintenance Telnet and SSH; Software Update: support local remote update; Partition management according to user characteristics and regional features.

INTERFACE:
Audio Input: 1 Mic input in Canon type; Line Input: RCA x2 (Stereo); Audio Output: RCA x2 (Stereo) + HDMI;
Video Input: DVI-I x2; Video Output: DVI-D + HDMI; Camera Control Port: RS232; Network Interface: 10/100Base-T RJ45.

58

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier

Features:
- Simple operation UHF wireless conference system.
- Minimum cable wiring to save cable layout cost.
- Minimum cable connection ideal for rental use or portable conference system.
- Basic discussion conference system or audio conference system.
- Economy wireless conference system and meeting system.
- System capacity of 256 delegate units.
- Chairman unit with priority over delegate units.
- Chairman unit and delegate unit built-in rechargeable LIPO battery.
- Several meeting modes: Limit (1/2/3/4), First in first out (1/2/3/4), Chairman Only and free discussion modes.
- 5 delegate microphones can be turned on at the same time.
- Microphones can be operated on the built-in rechargeable lithium battery.
- Battery working time of 16 hours and standby time of 60 hours.
- Multi-channel high bandwidth and intermediate band frequency selective filtering to avoid any interference.
- Built-in feedback suppressor to decrease feedback and noise effectively.
- Built-in noise deletion circuit and TONE-LOCK system to make sure the system has strong anti-jamming function.
- Operation distance up to 300 meters and coverage up to 4,000 Square meters.
- Separate volume control for 5 channels on master controller front panel.
- Separate output level meter for each 5 channels for direct visual monitoring.
- Optional v auto-track video tracking function.
- UHF wireless conference system master control UHF-400MC is powered by DC12V.
- UHF-400MC with unbalanced 6.3mm jack output and balanced XLR output to sound reinforcement system.
- 19" rack mount design for each rack installation.

UHF Wireless Conference System Chairman Unit
UHF-400CD
Features:
- UHF wireless transmission technology for flexible installation and portable for rental use.
- UHF wide frequency bandwidth of 740MHz to 790MHz for stable signal transmission.
- Meet the needs for secure and interference-free communication and discussion conference system.
- Minimum equipments to set up a basic conference system in a short time.
- Ideal use for board room, conference room and meeting room for hotel, office and government.
- Wireless conference system with basic discussion function.
- Discussion chairman unit for audio conference system.
- Chairman unit with priority over delegate unit when speech.
- Chairman unit can turn off the delegate unit speech.
- The system support only chairman speech mode without any interruption from others.
- Delegate units could speech only after the chairman unit exit the "Chairman Mode".
- Built-in lithium rechargeable battery, which support 16 hours of speech use and 60 hours of standby.
- LCD screen English display the ID, signal level, battery & microphone status and control channel.
- The microphone is designed with round ring indicator for microphone on.
- The gooseneck microphone is pluggable for easy installation and replacement.
- There are three buttons to set up the ID, control channel, volume up and down.
- Power standby automatically when there is no operation within 99 seconds.
- The microphone will be power off within 60 seconds when there is system error.
- Gooseneck length of 400mm, longer one could be customized without additional cost.
- Each conference system supports 16 chairman units.

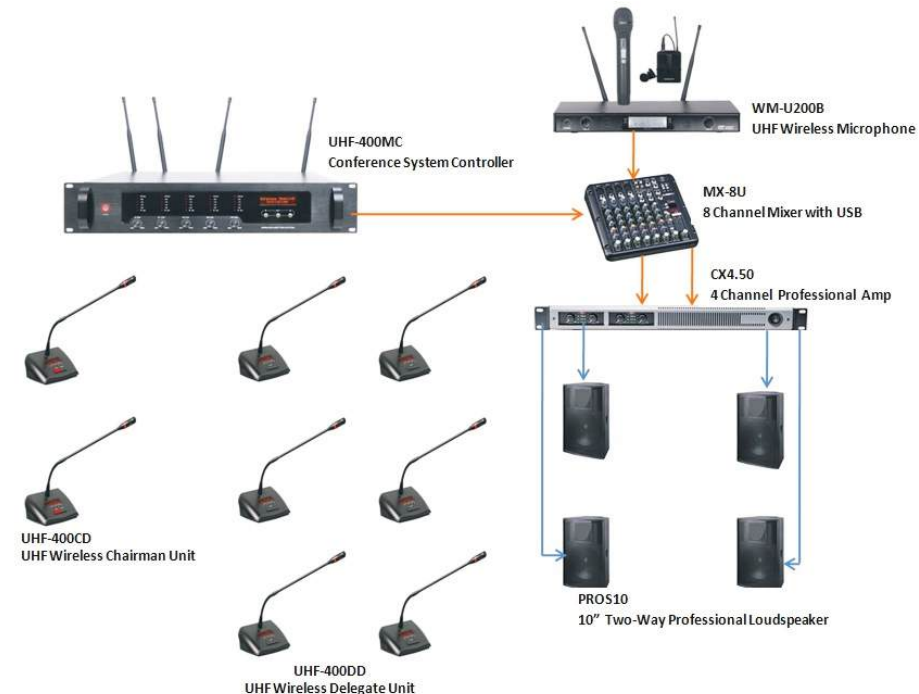## UHF-400MC
UHF Wireless Conference System Controller

UHF-400CD
UHF Wireless Chairman Unit

UHF-400DD
UHF Wireless Delegate Unit

UHF-400BC
Battery Charger

UHF-400MC
Conference System Controller

WM-U200B
UHF Wireless Microphone

MX-8U
8 Channel Mixer with USB

CX4.50
4 Channel Professional Amp

UHF-400CD
UHF Wireless Chairman Unit

PRO510
10" Two-Way Professional Loudspeaker

UHF-400DD
UHF Wireless Delegate Unit

12" Active Two Way Line Array Speakers
LAS-212A

12" Passive Two Way Line Array Speakers
LAS-212

Features:
- LAS-212A is a powered two way 12" line array loudspeaker or active line array speaker for long throw distance sound reinforcement. Using the Flying Frame it can be flown in vertical columns with up to 16 cabinets. The line array speaker is designed with two 12" LF drivers and two HF 1.75" drivers. The cylindrical wave segments of each cabinet can couple without gaps and sum up coherently.
- The LAS-2218 is a dual 18" subwoofer to matching the LAS-212A line array speakers, which provides deep and punchy bass (down to 32Hz) suitable for all club applications as part of the U Compact system.
- The line array speaker system is ideal for use as distributed clusters in arenas, domed stadiums and larger performance spaces, including large houses-of-worship.

Specifications:

Model	LAS-212	LAS-212A	LAS-2218
Type	Passive	Active	Passive
Description	12" Two Way Line Array Speakers	12" Active Two Way Line Array Speakers	18" Dual Subwoofer
Components	LF 2X12"(300mm) HF 2X1.75"(44mm)	LF 2X12"(300mm) HF 2X1.75"(44mm)	LF 2X18"(450mm)
Connector	2xNEUTRIK NL4	2xNEUTRIK NL4	2xNEUTRIK NL4
Frequency Response	55Hz-18KHz	55Hz-18KHz	32Hz-600Hz
Sensitivity (1W/1M)	109dB	109dB	109dB
Max SPL	132dB	132dB	133dB
Rated Power Output	800 Watts	800 Watts	1600 Watts
Max Power Output	1600 Watts	1600 Watts	3200 Watts
Nominal Impedance	4Ω	4Ω	4Ω
Finish	18mm thickness high density plywood in black		
Dimension	941(W) x 450(D) x 378 (H)mm	941(W) x 450(D) x 378 (H)mm	941(W) x 700(D) x 570 (H)mm
Weight	33kg	49kg	82kg

12" Active Three Way Line Array Speakers
LAS-312A

12" Passive Three Way Line Array Speakers
LAS-312

Features:
- LAS-312A is an active three way 12" line array loudspeaker or powered line array speakers for long throw distance sound reinforcement. Using the Flying Frame it can be flown in vertical columns with up to 16 cabinets. The line array speaker is designed with two 12" LF drivers, two 6.5" MID drivers and two HF 1.75" driver. The cylindrical wave segments of each cabinet can couple without gaps and sum up coherently.
- The LAS-3218 is an dual 18" subwoofer to matching the LAS-312A line array speakers, which provides deep and punchy bass (down to 32Hz) suitable for all club applications as part of the U Compact system.
- The active line array speakers are ideal for use as distributed clusters in arenas, domed stadiums and larger performance spaces, including large houses-of-worship.

Specifications:

Model	LAS-312	LAS-312A	LAS-3218
Type	Passive	Active	Passive
Description	12" Three Way Line Array Speakers	12" Active Three Way Line Array Speakers	18" Dual Subwoofer
Components	LF 2X12"(320mm) MF 2X8"(150mm) HF 2X1.75"(44mm)	LF 2X12"(320mm) MF 2X8"(150mm) HF 2X1.75"(44mm)	LF 2X18"(450mm)
Connector	2xNEUTRIK NL4	2xNEUTRIK NL4	2xNEUTRIK NL4
Frequency Response	55Hz-18KHz	55Hz-18KHz	32Hz-600Hz
Sensitivity (1W/1M)	111dB	111dB	109dB
Max SPL	135dB	135dB	133dB
Rated Power Output	1100 Watts	1100 Watts	1600 Watts
Max Power Output	2200 Watts	2200 Watts	3200 Watts
Nominal Impedance	4Ω	4Ω	4Ω
Finish	18mm thickness high density plywood in black		
Dimension	1170(W) x 450(D) x 378 (H)mm	1170(W) x 450(D) x 378 (H)mm	1170(W) x 700(D) x 570 (H)mm
Weight	48kg	64kg	90kg

Voice Alarm
Class-D Amplifier
Mixer Amplifier
Power Amplifier
100V Speaker
IP Network Audio
IP Intercom
PA System
Microphone
Conference System
Pro Speaker
Pro Amplifier

Passive Professional Loudspeakers

Model	PROS10	PROS12	PROS15	PROS215
Description	8" Two Way Passive Loudspeaker	12" Two Way Passive Loudspeaker	15" Two Way Passive Loudspeaker	Dual 15" Two Way Passive Loudspeaker
LF Driver	1 x 10" woofer / 250 mm Voice Coil	1 x 12" woofer / 300 mm Voice Coil	1 x 15" woofer / 380 mm Voice Coil	2x 15" woofer / 380 mm Voice Coil
HF Driver	1 x 1.75" / 44 mm Horn	1 x 1.75" / 44 mm Horn	1 x 3" / 75 mm Horn	1 x 3" / 75 mm Horn
Connector	2 x NEUTRIK NL4	2 x NEUTRIK NL4	2 x NEUTRIK NL4	2 x NEUTRIK NL4
Frequency Response	65 Hz-20 kHz (±3 dB)	65 Hz-20 kHz (±3 dB)	50 Hz-20 kHz (±3 dB)	45 Hz-20 kHz (±3 dB)
Rated Power	250 Watts	300 Watts	500 Watts	1000 Watts
Maximum Power	500 Watts	600 Watts	1000 Watts	2000 Watts
Nominal Impedance	8 Ohm	8 Ohm	8 Ohm	4 Ohm
Dispersion (H x V)	80°x 50°	80°x 50°	80°x 50°	80°x 50°
Sensitivity (1W/1 m)	99dB	101dB	103dB	104dB
SPL (1 m)	124dB	126dB	128dB	130dB
Finish	18mm thickness high density plywood in black			
Dimensions	355(W)x320(D)x520(H)mm	420(W)x370(D)x590(H)mm	480(W)x440(D)x710(H)mm	565(W)x510(D)x1090(H)mm
Weight	17kg	21kg	32.5kg	62kg

Passive Subwoofer

Model	SUB115	SUB118	SUB215	SUB218
Description	15" Subwoofer	18" Subwoofer	Dual 15" Subwoofer	Dual 18" Subwoofer
Components	LF 1X15"(380mm)	LF 1X18"(450mm)	LF 2X15"(380mm)	LF 2X18"(450mm)
Connector	2X NEUTRIK NL4	2X NEUTRIK NL4	2xNEUTRIK NL4	2xNEUTRIK NL4
Frequency Response	40Hz-120KHz	40Hz-120KHz	35Hz-150Hz	35Hz-150Hz
Sensitivity (1W/1M)	100dB	101dB	103dB	104dB
SPL	125dB	131dB	131dB	132dB
Rated Power Output	600 Watts	700 Watts	1200 Watts	1400 Watts
Max Power Output	1200 Watts	1400 Watts	2400 Watts	2800 Watts
Nominal Impedance	8Ω	8Ω	4Ω	4Ω
Finish	18mm thickness high density plywood in black			
Dimension	500(W) x 480(D) x 690 (H)mm	720(W) x 565(D) x 600 (H)mm	665(W) x 495(D) x 970 (H)mm	785(W) x 565(D) x 1070 (H)mm
Weight	38.5kg	42kg	70kg	87kg

Compact Line Array System

Model	LAS-5200B	LAB-5200W
Description	5" Compact Line Array Speaker System	
Power Handling Capacity	Continuous pink noise: 200 W, Continuous program: 600 W	
Rated Impedance	8 Ω	
Sensitivity (1 W, 1 m)	96 dB (60° mode), 97 dB (45° mode), 98 dB (30° mode), 99 dB (15° mode)	
Frequency Response	70 Hz - 20 kHz (-10 dB) (60%%d mode), 75 Hz - 20 kHz (-10 dB) (45%%d mode), 80 Hz - 20 kHz (-10 dB) (30%%d mode), 85 Hz - 20 kHz (-10 dB) (15%%d mode)	
Crossover Frequency	4 kHz	
Directivity Angle	Horizontal: 100° (2 kHz or more); Vertical: 60° (800 Hz or more), 45° (1.2 kHz or more), 30° (1.6 kHz or more), 15° (3.2 kHz or more) variable	
Speaker Component	Low frequency: 12 cm cone-type × 4, High frequency: Balanced dome-type × 12	
Input Terminal	Speakon NL4MP × 2 and M4 screw terminal	
Finish	Enclosure: Polypropylene, black or white; Punched net: Surface-treated steel plate, black	
Dimensions	408 (W) × 546 (H) × 342 (D) mm	
Weight	16 kg	
Accessory	Hanging bracket …2, Hex. wrench …1	
Option	Matching transformer optional; Speaker mounting bracket optional; Speaker stand optional	

Model	LAS-5200T
Description	Matching Transformer
Ratd Input Power	200W
Primary Side @ 100V	200W(50 ohms),120W(83 ohms)& 60W(167 ohms)
Primary Side @ 70V	200W(25 ohms),100W(50 ohms)& 60W(83 ohms)
Secondary Side	8 Ohms
IP Rate	IP44 (The tilt angle must be within 45°）
Dimensions	164(W) × 141(H) × 129(D)mm
Weight	2.8kg
Accessory	Speaker mounting bolt (8M) with washer × 2

Outdoor Horn Line Array System

Model	HSK-150T	HSK-150TP	HSK-300T	HSK-300TP	HSK-400T	HSK-400TP
Description	2-Way Outdoor Horn Speaker		2-Way Outdoor Horn Speaker		15" 2-Way Outdoor Horn Speaker	
Speaker Unit	10" horn with tweeter		12" horn with tweeter		15" horn with tweeter	
Rated Power Output	150W	150W/300W Max	300W	300W/600W Max	400W	400W/800W Max
Line Input	100V or 70V	8Ω	100V or 70V	8Ω	100V or 70V	8Ω
Frequency Response	75-20KHz		60-20KHz		50-20KHz	
SPL(@1W/m)	98dB and Max 118dB		100dB and Max 127dB		109dB and Max 135dB	
IP Rate	IP55		IP55		IP55	
Dispersion Angle	Horizontal: 70°; Vertical: 50°		Horizontal: 80°; Vertical: 60°		Horizontal: 90°; Vertical: 70°	
Operation Temp	-22℃ to +55℃		-22℃ to +55℃		-22℃ to +55℃	
Dimension	700(W) ×490(D)×490(H)mm		800(W) ×590(D)×590(H)mm		800(W) ×590(D)×590(H)mm	
Weight	29kg	28kg	45kg	44kg	47kg	46kg
Material	Stainless fiber-glass enclosure and metal grille in black					
Mounting Way	Wall mounting stainless bracket is supplied					

Model	CX6.50	CX8.50
Description	Multiple Channel Class-D Amplifier	
Amplifier Class	D-Class	
Rated Output 8Ω	6×350W	8×350W
Rated Output 4Ω	6×500W	8×500W
Rated Output 2Ω	6×600W	8×600W
Efficiency	>85%	
Frequency Response	20Hz~20KHz (at±0.3dB)	
IMD-SMPTE	<0.3%	
THD @ 1kHz	<0.3%, 1dB below clip	
Damping Factor @ 8Ω	>800 20Hz-200Hz	
Slew Rate	50V/μs	
Signal/Noise Ratio	>105dB	
Input Sensitivity	1V	
Input Impedance	20KΩ (bal.), 10KΩ (unbal.)	
Crosstalk	>75dB	
Connector	Input by XLR male, link by XLR female, output by Speakon female.	
Protection	Clip, high temp, overload and short circuit	
Cooling	Temperature controlled fan	
Power Supply	AC 220~240V, 50/60Hz	
Dimension (mm)	484(W)×430(D)×44(H)	
Net Weight	9.3kg	10.9kg

6 Channel Class-D Amplifier
CX6.50(6×500W, 4Ω)

8 Channel Class-D Amplifier
CX8.50(6×500W, 4Ω)

Features：
- 8/12/16 channels compact professional mixing console.
- Ideal for meeting room, sound reinforcement system, BGM system, PA system use.
- Cost-effective mixer with pre-amp, DSP, graphic equalizer and effecter.
- Suitable for church and mosque religious gathering to create solemn environment.
- Capacity of feed in versatile sources from balanced or unbalanced microphone, line or tape.
- Built-in DSP processor can stereo or separately control the left and right channel output. The built-in Mp3 playeris designed with USB and SD input for easy control.
- Built-in 7 bands of graphic equalizer for different channel separate level control.
- Built-in digital signal processor to cut off high filter and low filter for good restoration.
- Ideal for applications where hi-fi sound effect needed like hotel, mosque, meeting room.

Professional Mixing Console
MCX8U (8 Channel)
MCX12U (12 Channel)
MCX16U (16 Channel)

Professional Mixing Console
MX4U (4 Channel)
MX6U (6 Channel)
MX8U (8 Channel)

Powered Mixing Console
PMX620 (6 Channel, 2x200W)
PMX820 (8 Channel, 2x200W)
PMX1225 (12 Channel, 2x250W)
PMX1665 (16 Channel, 2x650W)

- Robust performance range professional power amplifier.
- Ideal for life performance, permanent installation and sound reinforcement system.
- Switching power technology digital Class-D level power amplifier.
- Green technology amplifier by 85% efficiency
- Less power consumption, higher power output, less heat generation and longer life span.
- With PWM special power circuit to ensure excellent cooling system.
- 19" universal rack mount type in 1U height.
- Minimum weight less than 10kgs without transformer technology.
- Support stereo output at 8Ω, 4Ω to 2Ω.
- Input by balanced XLR male connector of two channels.
- Link by balanced XLR female connector of two channels.
- Output by balanced Speakon female connector of two channels.
- Complete protection include clip, high temp, overload and short circuit.
- With four fans for cooling down the internal temperature.
- Visual indicator of output level meter, power, protection and clip.
- Comes with 5 years quality warranty.

Four Channel Class-D Amplifier
CX4.40 (4×400W, 4Ω)
CX4.50 (4×500W, 4Ω)
CX4.100 (4×1000W, 4Ω)
CX4.150 (4×1500W, 4Ω)
CX4.180 (4×1800W, 4Ω)
CX4.240 (4×2400W, 4Ω)

Two Channel Class-D Amplifier
CX2.40 (4×400W, 4Ω)
CX2.50 (4×500W, 4Ω)
CX2.100 (4×1000W, 4Ω)
CX2.160 (4×1600W, 4Ω)
CX2.210 (4×5400W, 4Ω)
CX2.250 (4×2800W, 4Ω)

Model	CX4.40	CX4.50	CX4.100	CX4.150	CX4.180	CX4.240
Description	Professional Class-D Four Channel Power Amplifier					
Amplifier Class	D-Class					
Rated Output 8Ω	4×250W	4×350W	4×600W	4×800W	4×1000W	4×1300W
Rated Output 4Ω	4×400W	4×500W	4×1000W	4×1500W	4×1800W	4×2400W
Rated Output 2Ω	4×500W	4×600W	4×1200W	4×1800W	4×2200W	4×2600W
Efficiency	>85%					
Frequency Response	20Hz~20KHz (at±0.3dB)					
IMD-SMPTE	<0.3%					
THD @ 1kHz	<0.3%, 1dB below clip					
Damping Factor @ 8Ω	>800					
Slew Rate	50V/μs					
Signal/Noise Ratio	>105dB					
Input Sensitivity	1V					
Voltage Gain	32dB	35dB	36dB	38dB	39dB	40dB
Input Impedance	20KΩ (bal.), 10KΩ (unbal.)					
Crosstalk	>75dB					
Connector	Input by XLR male, link by XLR female, output by Speakon female.					
Protection	Clip, high temp, overload and short circuit					
Cooling	Temperature controlled fan					
Power Supply	AC 220~240V, 50/60Hz					
Dimension (mm)	484(W)×375(D)×44(H)		484(W)×430(D)×44(H)			
Net Weight	7.2kg		10.5kg		11.5kg	

Voice Alarm

Class-D Amplifier

Mixer Amplifier

Power Amplifier

100V Speaker

IP Network Audio

IP Intercom

PA System

Microphone

Conference System

Pro Speaker

Pro Amplifier