



## CMX Milestones:

60 Loudspeakers & 100 Amplifiers R & D & Manufacture in Self-Owned Factory  
 EN54-24 Loudspeakers OEM More Than 25 European Brands  
 Loudspeaker R & D Team of 15 Year Plus Background  
 20 Loudspeakers & 5 Range Amplifiers New Release Every Year

Reliable Professional  
 Simple Affordable

CMX AUDIO 2022 CATALOG



# 2022

EN54-16 Voice Alarm  
 EN54-24 Loudspeakers  
 DSP Amplifier with Dante  
 Digital Public Address  
 Commercial Loudspeaker  
 SIP/IP Audio System

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All Specifications are May Change without Notice

Guangzhou CMX Audio Co., Ltd. is the leading Chinese manufacturer of IP public address systems, EN54-16 Digital Voice Alarm Systems, Class-D Amplifiers, IP network audio systems and IP speakers & amplifiers. With approximately 1,500 square meters of factory production space and over 50 qualified staff, we have the ability to handle all of your production needs. Our company is highly quality-oriented and we ensure our customers that we use only the best raw materials and follow a developed six step procedure of on site QC and QA programs. CMX's quality control system strictly follows ISO9001 and ISO14001 guidelines.

We provide a 5 year quality warranty to our customers. Most of our products are compliant with CE, RoHS, CB, EN54-16, C-tick, FCC or UL, and EN54-24 fireproof certificate.

CMX usually responds to our customer inquiries within 4 hours and we can design sound systems for our customers within 24 hours. We normally solve service requests within 48 hours with either spare parts or new replacements.

Our company is working with more than 24 worldwide distributors in support of our original high quality products and to maintain professional before and after sales service. We provide various advertisement gifts and material to help our customer marketing programs. We also provide a full range of company presentations, product technical documents and versatile system design templates to ensure that end-customers easily understand the benefits our systems bring to them.

CMX can customize products to different specifications and offer a variety different styles for our amplifiers and loudspeakers under our customer's brand name. We cherish our partnerships by promising 100% respect for customer brand names and intellectual property.



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## 6 Zone Voice Evacuation Controller

**EVAC-240(240W)**  
**EVAC-500(500W)**

- 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 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.
- IP network module for optional to buy.
- AC 230V and DC24V battery input. Auto switch into the battery backup when AC fails.



EN54-16

## 6 Zone Voice Evacuation Router

**EVAC-240RT(240W)**  
**EVAC-500RT(500W)**

- 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, AC&DC failure.



EN54-16

## 24V DC Battery Charger and Power Supply

**EVAC-500BC**

- Auto switch into DC power supply when AC power fails.
- Select auto/manual charging mode automatically.
- Storage battery failure, over voltage, over-heat and over time charging detection.
- Automatic temperature control fan and over heat protection.
- Built-in battery charge management and monitoring circuit.
- When connected to AC power, DC24V will be off automatically.
- Storage battery support two or one DC 24V lead-acid battery.
- Selection 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 <math>\leq 200Ah</math>.
- With ID pre-set its zone number up to 200 units.
- With RS485 to communicate with third party system.



## 12 Zone Remote Microphone

**EVAC-500RM**

- 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 form 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.



EN54-16

## Remote Microphone

**EVAC-500TM**

- Digital voice evacuation system remote paging microphone.
- Each microphone of 120 zone capacity.
- Support 32 remote microphones of loop connection.
- Remote paging 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.
- DC24V power supply or POE.
- Support loop connection and paging microphone failure has been supervised.
- With free software to monitor the microphone working status and fault.



EN54-16

## Fireman Microphone

**EVAC-500FM**

- Fireman's microphone as remote control of voice evacuation system EVAC
- Emergency (EMG) microphone with priority.
- EMG state and fault visual indicators.
- The fireman's microphone unit is fully real time monitored.
- Four programmable buttons and EVAC/Alert.
- Remote pre-recorded message broadcast in case of emergency.
- Support DC 24V phantom power supply from the controller.
- With AC, DC, fault, MIC and indication test four indicators.
- With emergency activation button for all zone EVAC operation.
- Communication distance up to 600 meters.
- Communication with controller through CAT6 cable.
- Each voice evacuation system supports 32 units of fireman microphone maximum.
- With lock and key to ensure access permission.



EN54-16

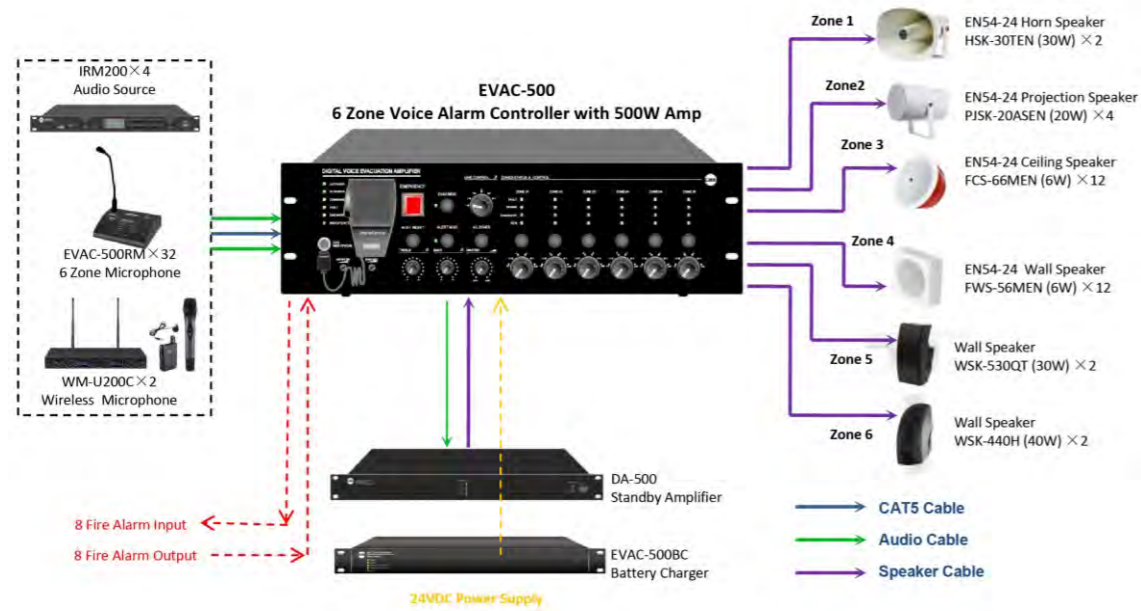
## 12 Zone Keypad

**EVAC-12KD**

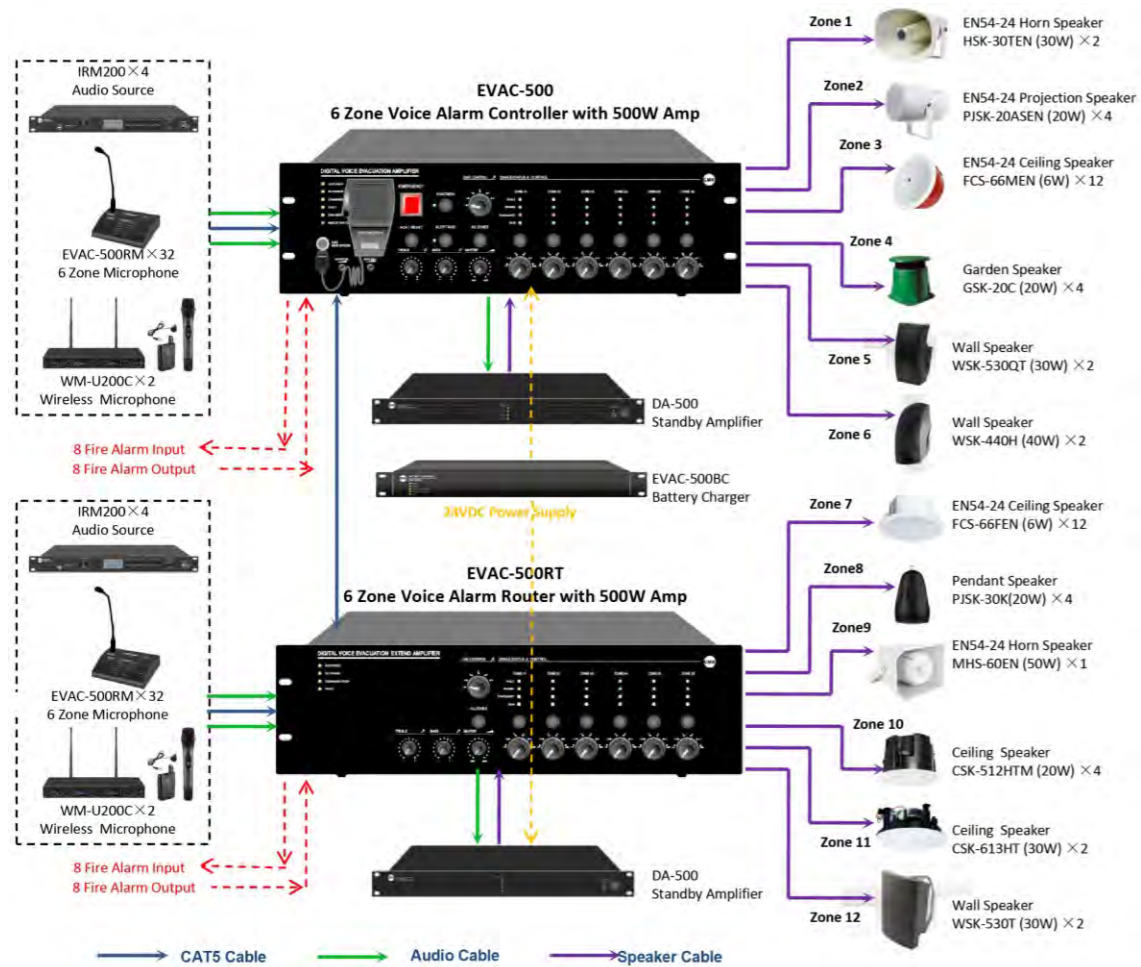
- Each zone expansion keypad supports 12 zone selections.
- The keypad is used to expand the capacity of remote microphone for multiple-zones.
- Connecting one of these keypads to 12 zones or zone groups that can be selected.
- Up to 11 keypads can be added to an EVAC-500RM Remote Microphone.
- LEDs on the keypad indicate the active zones.
- 12 zone selection keys and 12 zone selection LEDs
- Total system capacity of 120 zones.
- Keypad internal line will be monitored, fault will be indicated by LED and buzzer.



## 6 Zone Connection Diagram



## 12 Zone Connection Diagram



EN54-24

CPR code: 1438-CPR-0741

- Fireproof ceiling speaker with transformer.
- Compliant with the EN54-24 EVAC standard.
- Ceramic connector, fire dome, 95°C fire-resistant cable and thermal fuse.
- Rated power output 1.5W-3W-6W at 100V.
- 5"/6.5"/8" full range paper woofer.
- Line input 100V or 70V with transformer.
- Steel body with fire dome

Model	FCS-56MEN	FCS-66MEN
Description	Fireproof Ceiling Speaker	
Rated Power Output	6W-3W-1.5W	
Driver	5"	6.5"
Line Input	100V or 70V	120-18kHz
Frequency Response	130-15kHz	92dB
SPL(@1W/m)	92dB	Ø 204mm
Cutout Size	Ø 160mm	Ø 230×133mm
Dimension	Ø 180×133mm	1.7kg
Material	Steel body with fire dome	
Weight	1.3kg	



EN54-24

- Fireproof ceiling speaker with transformer.
- Compliant with the EN54-24 EVAC standard.
- Ceramic connector, fire dome, 95°C fire-resistant cable and thermal fuse.
- Rated power output 1.5W-3W-6W at 100V.
- 5" full range paper driver unit
- Line input 100V or 70V with transformer.
- Steel body with fire dome

Model	FCS-56CEN
Power Taps	6W-3W-1.5W
Line Input	100V
Freq Response	100-16KHz
SPL @1W/1m	93dB
Speaker	5"
Cutout Size	Φ180mm
Dimension	Φ199×63mm
Material	Steel, white
Weight	0.8kg



EN54-24

CPR code: 1438-CPR-0742

- Fireproof ceiling speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Ceramic connector, fire dome, 95°C fire-resistant cable and thermal fuse.
- 6.5" & 8" full range paper driver unit.
- Line input 100V or 70V with transformer.
- Steel body with fire dome.

Model	FCS-66FEN	FCS-810FEN
Power Taps	6W-3W-1.5W	6W-3W-1.5W
Line Input	100V	100V
Freq Response	90-16KHz	90-18KHz
SPL @1W/1m	93dB	92dB
Speaker	6.5"	8"
Cutout Size	Ø 180mm	Ø 230mm
Dimension	Ø 199×87mm	Ø 265×108mm
Material	Steel body and fire dome	Steel, white
Weight	1kg	1.6kg



EN54-24

- EN54-24 AB Line ceiling speaker with transformer.
- 2×3.5" dual ceiling speaker for voice alarm & evacuation system use.
- Power output 2x6/3/1,5/0.75W
- In case of a failure of one speaker line the redundancy of the speakers.
- The powder coated metal similar with fire dome in RAL 9010.
- 2-pin ceramic connector block, thermal fuses are provided.
- Quick and easy mounting with spring clamps and short tension distance.

Model	FCS-66ABEN
Power Taps	2×6W-3W-1.5W-0.75W
Line Input	100V
Freq Response	120 - 18,500 Hz
SPL @1W/1m	104.8 dB
Speaker	2×3.5"
Cutout Size	Ø 1220mm
Dimension	Ø 240 x 100 mm
Material	Steel body and fire dome
Weight	1.8kg



EN54-24

- Fireproof of ceiling speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Phoenix connector, fire dome, 95°C fire-resistant cable and thermal fuse.
- 5", 6.5" & 8" coaxial driver unit with tweeter.
- Multiple power taps of 100V & 8Ω applications.
- Steel body with fire dome.

Model	CSK-520KEN	CSK-630KEN	CSK-840KEN
Power Taps	20-10-5-2.5W & 8Ω	30-15-7.5-3.8W & 8Ω	40-20-10-5W & 8Ω
Line Input	100V & 8Ω		
Freq Response	100-17KHz	100-17KHz	90-17KHz
SPL @1W/1m	84dB	86dB	90dB
Speaker	5" + 0.75"	6.5" + 0.75"	8"
Cutout Size	Ø 168mm	Ø 195mm	Ø 248mm
Dimension	Ø 203x145mm	Ø 230x150mm	Ø 280x185mm
Material	ABS enclosure, Steel grill & steel fire dome, white		
Weight	1.4kg	2.0kg	2.3kg



EN54-24

- Fireproof projection speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Ceramic connector, 95°C fire-resistant cable and thermal fuse.
- IP66 waterproof rate.
- Multiple power taps of 100V & 8Ω applications.
- 5VB fireproof ABS cabinet white.

Model	PJSK-20PSEN
Power Taps	20-10-5W & 8Ω
Line Input	100V & 8Ω
Freq Response	110-15KHz
SPL @1W/1m	92dB
IP Rate	IP66
Speaker	6.5"
Dimension	Ø 170x245mm
Material	5VB ABS enclosure and stainless metal bracket in white
Weight	1.9kg

PSK-530KEN



EN54-24

- Fireproof pendant & wall speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Phoenix connector, 95°C fire-resistant cable and thermal fuse.
- IP66 waterproof rate.
- Multiple power taps of 100V & 8Ω applications.
- 5VB fireproof ABS cabinet white or black.

Model	PSK-530KEN
Power Taps	30-15-7.5W & 8Ω
Line Input	100V & 8Ω
Frequency Response	65-20K
SPL (@1W/m)	90dB
IP Rate	IP66
Speaker	5.25" + 1" tweeter
Dimension	Ø 195x250mm
Material	5VB ABS enclosure in white or black
Weight	2.4kg



EN54-24

- Fireproof horn speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Ceramic connector, 95°C fire-resistant cable and thermal fuse.
- IP66 waterproof rate.
- Multiple power taps of 100V & 8Ω applications.
- 5VB fireproof ABS cabinet white.

Model	HSK-15TEN	HSK-30TEN
Power Taps	15-10-5-2.5W & 8Ω	30-15-7.5-3.75W & 8Ω
Line Input	100V & 8Ω	
Frequency Response	300-6.5K	300-8KHz
SPL (@1W/m)	113dB	105dB
IP Rate	IP66	
Dimension	225x162x237mm	285x205x280mm
Material	ABS enclosure and stainless metal bracket in white	
Weight	1.4kg	2.2kg



MHS-60EN

EN54-24



MHS-30EN

EN54-24

- Fireproof horn speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Ceramic connector, 95°C fire-resistant cable and thermal fuse.
- IP66 waterproof rate.
- Multiple power taps of 100V & 8Ω applications.
- 5VB fireproof ABS cabinet grey.

Model	MHS-30EN	MHS-60EN
Power Taps	30-15-10-5W & 8Ω	50-25-12.5-6W & 8Ω
Line Input	100V & 8Ω	
Freq Response	100-12K	120-12KHz
SPL @1W/1m	90dB	95dB
IP Rate	IP66	
Dimension	360x272x165mm	300x360x256mm
Material	5VB ABS enclosure and stainless metal bracket in grey	
Weight	2.7kg	4.0kg



EN54-24

- Fireproof steel wall speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Ceramic connector, fire dome, 95°C fire-resistant cable and thermal fuse.
- 5" full range paper driver unit.
- Line input 100V or 70V with transformer.
- Steel body with fire dome.

Model	FWS-56MEN
Power Taps	6W-3W-1.5W
Line Input	100V
Freq Response	120-15KHz
SPL @1W/1m	92dB
Speaker	5"
Dimension	160x160x60mm
Material	Steel, white
Weight	1.4kg



EN54-24



- Fireproof wall speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Phoenix connector, 95°C fire-resistant cable and thermal fuse.
- 4", 5" & 6.5" 2-way driver unit with tweeter.
- Multiple power taps of 100V & 8Ω applications.
- 5VB fireproof ABS cabinet white or black.

Model	WSK-420HEN	WSK-530HEN	WSK-640HEN
Power Taps	20-10-5-2.5W & 8Ω	30-15-7.5-3.8W & 8Ω	40-20-10-5W & 8Ω
Line Input	100V & 8Ω		
Freq Response	100-20KHz	100-20KHz	90-17KHz
SPL @1W/1m	88dB	89dB	90dB
Speaker	4" + 1"	5.25" + 1"	6.5" + 1.5"
Dimension	245x170x140mm	265x185x160mm	310x213x195mm
Material	5VB ABS enclosure, Steel grill, white or black		
Weight	2.5kg	3.1kg	3.7kg



CPR code: 1438-CPR-0807

EN54-24

- Fireproof column speaker with transformer.
- Compliant with the EN54-24 EVAC standards.
- Ceramic connector, 95°C fire-resistant cable and thermal fuse.
- IP66 waterproof rate.
- Multiple power taps of 100V & 8Ω applications.
- Aluminum cabinet in white.

Model	CLSK-20CEN	CLSK-40CEN
Rated Power Output	20-10-5W & 8Ω	40-20-10W & 8Ω
Line Input	100V & 8Ω	
Frequency Response	150-13KHz	140-15KHz
SPL (@1W/m)	92dB	96dB
IP Rate	IP66	
Speaker	2x3" + 2.5" tweeter	4x3" + 2.5" tweeter
Connector	By fire-resistant cable tail with waterproof of gland	
Dimension	395x107x105mm	730x107x105mm
Material	Aluminum enclosure in white	
Net Weight	3.0kg	5.6kg



100V & 8Ω

- 4 x 60W, 4 x 120W, 4 x 240W 4 x 240W to 4 x 500W power amplifier.
- 100V & 8 Ohm output with selectors.
- Built-in DSP with EQ, gain control, crossover, delay, limiter, high-pass filter & low-cut filter.
- Dante network control with 4 In 4 Out matrix.
- Two Ethernet RJ-45 network connector for both Dante and DSP configure.
- Remote GPIO for failure outputs.
- 1U height 19" rack mount type power amplifier.
- Balanced line input by phoenix connector for four channels.
- Each four inputs with separate gain control.
- Separate four channel indicators for protection, clip, input and output.
- Complete short circuit, overload, high temp, clip and DC protection.

Power Amplifier With DSP & Dante

- DSP-4060
- DSP-4120
- DSP-4240
- DSP-4350
- DSP-4500

Model	DSP-4060	DSP-4120	DSP-4240	DSP-4500
Description	Class-D Power Amplifier with DSP			
Rated Power Output 100V	4x60W	4x120W	4x240W	4x500W
Rated Power Output 8 Ohm	4X50W	4X80W	4X180W	4X380W
Speaker Output	8Ω & 100V			
DSP	EQ, gain control, crossover, delay, limiter, high-pass filter & low-cut filter. RS485 for system setup, monitoring and control via fully manageable remote PC software			
Frequency Response	L/H Cut OFF 20Hz-20KHz (+1/-2dB) L/H Cut ON 70Hz-10KHz (+1/-3dB)			
Input	1V, 0dBu, balanced phoenix connector by four channels			
Input Impedance	10KΩ			
THD	<0.1% (1KHz/-3dB, 100W)			
S/N Ratio	>80dB			
Crosstalk	>60dB, 1KHz, Max output			
Power Consumption	300W	550W	1100W	2100W
Power Supply	AC input switchable between 115V & 230V, 50-60Hz			
DC 24V	Yes	Yes	No	No
Dimension	484x420x44 mm			
Weight	8.0kg	8.3Kg	8.8Kg	9.8Kg



8Ω & 4Ω

- Switching power technology digital Class-D power amplifier
- Green technology amplifier of 85% efficiency
- With PWM special power circuit to ensure excellent cooling system
- 19" universal rack mount type in 1U height
- Support stereo output at 8Ω, 4Ω to 2Ω
- Output mode selector of stereo, parallel and bridge (CS-2200/CS-2300/CS-2400)
- Output mode support stereo and parallel (CS-2600/CS-2800/CS-21000/CS-21250/CS-21500-non bridge mode)
- 2×Input by balanced XLR male connector
- 2×Output by balanced Speakon female connector
- Complete protection include clip, high temp, overload and short circuit

Professional Power Amplifier

- CS-2200
- CS-2300
- CS-2400
- CS-2600
- CS-2800
- CS-21000
- CS-21250
- CS-21500

Model	CS-2200	CS-2300	CS-2400	CS-2600	CS-2800	CS-21000	CS-21250	CS-21500
Description	Two Channel Power Amplifier							
Rated Output 4Ω	2×400W	2×600W	2×700W	2×1050W	2×1150W	2×1250W	2×1800W	2×2000W
Rated Output 8Ω	2×200W	2×300W	2×400W	2×600W	2×800W	2×1000W	2×1250W	2×1500W
Frequency Response	20Hz~20KHz							
THD	<0.3%							
S/N Ratio	>105dB							
Input Impedance	20KΩ (bal.), 10KΩ (unbal.)							
Crosstalk	>75dB							
Connector	Input by XLR, 1V, 20KΩ (bal.), 10KΩ (unbal.)							
Power Supply	AC 100~240V, 50/60Hz							
Dimension	484×375×45mm							
Net Weight	7.5kg		8.5kg				8.8kg	

Volume Control & Noise Gate

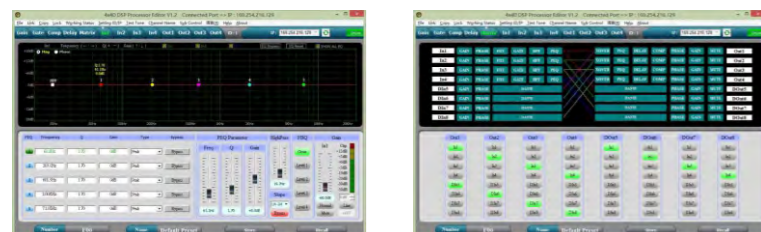


- 4 In and 4 Out DSP.
- Ethernet RJ-45 network connector for remote control.
- 32 bit DSP process, 96kHz sampling rate, 24-bit AD/DA convert.
- Input including low cut, feedback inhibition, PEQ, noise gate, gain, mute, phase, linkage adjustment and volume adjustment.
- Output including X-over, PEQ, Gain, mute, compressor / limiter, phase, delay, linkage adjustment and volume adjustment.
- All PEQ Gain, bandwidth, frequency continues adjustment. Type can be select by PEAK, H-SHELF, L-SHELF, LOW CUT, HIGH CUT, ALLPASS1, ALLPASS2.
- All inputs/outputs can do Matrix, and all the input and output channel name can be changed.
- All the input and output with independent phase curve adjust function, PEQ style choose ALLPASS1 can realize 180 curve adjust, ALLPASS2 can realize 360 curve adjust.
- All high cut, low-cut type can be select by Butterworth, Link witz-Riley, Bessel, slope can be chosen.
- Noise gate 's threshold, time, ratio can be adjusted for input, compressor, limiter, ratio, time can be adjusted for outputs.
- Max delay time 680mS for all output channels.
- Pre setting can copy for every single channel, every channel can do link adjust.
- Every input and output channel frequency response curve situation can be found when you are in any input and output.
- 21 presets can be save and recall, Password protection function for high level applications.

Compressor & Delay



Input & Output



Professional Power Amplifier

- CS-4200
- CS-4300
- CS-4400
- CS-4600
- CS-4800
- CS-41000
- CS-41250
- CS-41500



8Ω & 4Ω

- Switching power technology digital Class-D power amplifier
- Green technology amplifier of 85% efficiency
- With PWM special power circuit to ensure excellent cooling system
- 19" universal rack mount type in 1U height
- Support stereo output at 8Ω, 4Ω to 2Ω
- Output mode selector of stereo, parallel and bridge (CS-4200/CS-4300/CS-4400)
- Output mode support stereo and parallel (CS-4600/CS-4800/CS-41000/CS-41250/CS-41500)
- 4×Input by balanced XLR male connector
- 4×Output by balanced Speakon female connector
- Complete protection include clip, high temp, overload and short circuit

Model	CS-4200	CS-4300	CS-4400	CS-4600	CS-4800	CS-41000	CS-41250	CS-41500
Description	Four Channel Power Amplifier							
Rated Output 4Ω	4×350W	4×500W	4×600W	4×1000W	4×1600W	4×2000W	4×2150W	4×2300W
Rated Output 8Ω	4×200W	4×300W	4×400W	4×600W	4×800W	4×1000W	4×1250W	4×1500W
Frequency Response	20Hz~20KHz							
THD	<0.3%							
S/N Ratio	>105dB							
Input Impedance	20KΩ (bal.), 10KΩ (unbal.)							
Crosstalk	>75dB							
Connector	Input by XLR, 1V, 20KΩ (bal.), 10KΩ (unbal.)							
Power Supply	AC 100~240V, 50/60Hz							
Dimension	484×375×45mm							
Net Weight	8.5kg		9.5kg				10.5kg	



100V & 8Ω

- Switching power technology digital class-D amplifier
- Class-D PA amplifier of minimum power consumption
- Less rack space and less heat generation
- Single channel digital class-D power amplifier into 19" rack mount unit
- Rated power output at 120W,240W,350W,500W
- Speaker outputs 8Ω/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.

## Single Channel Class-D Power Amplifier

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

Model	DA-120	DA-240	DA-350	DA-500
Description	Single Channel Class-D 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	550W			
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
DC 24V				



100V & 8Ω

- Switching power technology 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
- Four channel separate speaker outputs 8Ω/100V
- Balanced line 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
- With 24V DC input(Except DA-4500).

## Four Channel Class-D Power Amplifier

- DA-4060(4x120W)
- DA-4120(4x120W)
- DA-4240(4x240W)
- DA-4350(4x350W)
- DA-4500(4x500W)

Model	DA-4060	DA-4120	DA-4240	DA-4350	DA-4500
Description	Four Channel Class-D Power Amplifier				
Rated Power Output	4x60W	4x120W	4x240W	4x350W	4x500W
Speaker Output	8Ω & 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 & 24VDC input, 50-60Hz Only AC				
Dimension	482(W)x420(D)x44(H) mm				
Weight	8.0kg	8.3kg	8.8kg	9.2kg	9.8kg
DC 24V					



100V & 8Ω

- Switching power technology digital power amplifier
- Class-D PA power amplifier of minimum power consumption
- 1RU height for less rack space and less heat generation
- Two channel power amplifier into 19" rack mount unit
- Two channel separate speaker outputs 8Ω/100V
- Balanced line 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 for protection, clip, input and output
- Complete short circuit, overload, high temp, clip and DC protection
- Wide AC input switchable between 115V and 230V

## Two Channel Class-D Power Amplifier

- DA-2120(2X120W)
- DA-2240(2X240W)
- DA-2350(2X350W)
- DA-2500(2X500W)

Model	DA-2120	DA-2240	DA-2350	DA-2500
Description	Two Channel Class-D 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	115V & 230V, 24V DC input, 50-60Hz			
Dimension	482(W)x420(D)x44(H) mm			
Weight	7.0kg	7.3kg	7.8kg	8.2kg
DC 24V				



- Compact mini size public address amplifier of 1U height
- High efficiency up to 85% class-D amplifier
- Mixer amplifier with USB/Mp3/Bluetooth/FM Radio
- With IR remote control for source selection and volume control
- Rate power output at 30W & 60W
- Speaker output of 100V or 70V & 8 Ohm
- Mic1-2 inputs and Aux1-2 inputs & REC output
- Volume control for Mic1-2, Aux & bass/treble
- Aux volume control via the button adjustment
- Complete amplifier protection includes short-circuit, clip, overload and temp
- 100-230V AC wide range power supply system

## Mini Mixer Amplifier +USB/SD/FM/Bluetooth

- KA-30(30W)
- KA-60(60W)

Model	KA-30	KA-60
Description	Mini Mixer Amplifier USB/Mp3/Bluetooth/FM Radio	
Rated Power Output	30W	60W
Speaker Outputs	100V or 70V & 8 Ohm	
Connector	Mic1-2 input by unbalanced 6.3mm phone jack Aux input by stereo RCA REC output by stereo RCA	
Input	MIC1-2: 10mV, Unbalanced; Aux: 300mV, balanced Output: 1V, balanced	
Frequency Response	60Hz-15kHz(±3dB)	
S/N Ratio	Line ≥75dB, Mic ≥ 60dB	
THD	Less than 0.5%	
Protection	Short-circuit, clip, overload and high temp protection	
Power Consumption	35W	70W
Power Supply	100-230V AC; 50-60Hz	
Dimension	285×215×44mm (1U height)	
Weight	2.5kg	2.7kg



### Compact Mixer Amplifier + USB/SD/FM/Bluetooth EA-30(30W) EA-60(60W) EA-120(120W) Mixer Amplifier + USB/SD/DAB+/FM/Bluetooth EA-30D(30W) EA-60D(60W) EA-120D(120W)

Model	EA-30	EA-60	EA-120
Description	PA 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	300(W)×275(D)×88(H)mm		
Weight	3.7kg	4.3kg	4.9kg

- 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 & 4Ohms-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 line output.
- Telephone input with and one RCA line output.
- Volume control for Mic1-3,line 1-2,Mp3/FM,bass/treble and master.
- With short-circuit, clip, overload and high temp protection.
- AC 110V-240v & 24V DC both operation system.



### Mixer Amplifier + USB/SD/FM/ Bluetooth/ DAB+ optional EA-60A(60W) EA-120A(120W) EA-240A(240W) EA-350A(350W) EA-500A(500W)

#### Optional Player Module: DAB+Bluetooth+Mp3 & FM

Model	EA-60A	EA-120A	EA-240A	EA-350A	EA-500A
Description	Mixer Amplifier with USB/SD & FM & Bluetooth				
Rated Power Output	60W	120W	240W	350W	500W
Speaker Outputs	100V or 70V & 4-16Ω				
Connector	Mic1 input by balanced XLR with +48V phantom power Input 2-3 inputs Mic/Line switchable unbalanced 6.3mm jack Line1-2 inputs by RCA; Line output by RCA				
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	310W	450W	650W
Power Supply	230V AC; 50-60Hz				
Dimension	484×335×88mm				
Weight	6.1kg	6.6kg	9.6kg	11.9kg	13.7kg

- Desktop or 19" rack mount public address amplifier.
- Built-in medial player with USB/SD, FM/DAB+ & Bluetooth.
- Rate power output at 60W, 120W, 240W, 350W to 500W.
- Speaker output of 100V or 70V & 4-16Ω.
- 3 x Mic/line inputs, 2 x RCA line inputs, and 1 x RCA line output.
- XLR input with switchable +48V phantom power.
- With short-circuit, clip, overload and high temp protection.
- 230V AC power supply.

### Tabletop Mixer Amplifier +USB/TF/Bluetooth PA-206(60W)



Model	PA-206
Rated Power	60W
Speaker Output Mode	Low impedance:4 ohms (Ω) Voltage line:70V & 100V
Frequency Response	150 Hz ~ 15k Hz ( 3 dB)
T.H.D	<1% at 1kHz, 1/3 rated power
S/N	75dB
Tone Control	BASS:100 Hz ( 10 dB) , TREBLE:10k Hz ( 10 dB)
Audio Input	MIC, AUX, USB, TF, BLUETOOTH
Protection	Short circuit, overload, high temperature
AC Fuse	T3, 15A
Power Supply	AC 100-240V- 50/60Hz
Power Consumption	90W
Power Cord	(3 0.5 mm) 1M
Dimension	65 (H) 212 (W) 280 (D) mm
Carton Size	135 (H) 290 (W) 325 (D) mm

- Built-in Bluetooth receiver and USB player.
- 70/100-volt and 4 ohms(Ω) output loads.
- SMT circuit boards with highly stable performance.
- Powerful amplifier tubes.
- Three microphone jacks, on rear panel the MIC1 has 26v phantom power.
- Mic 1 has priority over the inputs.
- High-definition display for the working status of playing programme.
- Individual volume controller for inputs, and master volume controller for all.
- BASS and TREBLE tone controllers.
- Complete protection is provided for output short circuit, overload, high temperature, peak current limiters.



### 3 Zone Mixer Amplifier with Mp3/FM/Bluetooth/ DAB+ optional FA-60Z(60W) FA-120Z(120W) FA-240Z(240W) FA-350Z(350W) FA-500Z(500W)

#### Optional Player Module: DAB+Bluetooth+Mp3 & FM

Model	FA-60Z	FA-120Z	FA-240Z	FZ-350Z	FA-500Z
Description	3 Zone Mixer Amplifier with Mp3/FM/Bluetooth				
Rated Power Output	60W	120W	240W	350W	500W
Speaker Output	3 zone speaker outputs of 100V One zone speaker outputs of 40hm-80hm-160hm -70V-100V				
Input	Mic1-3: 2.5mV, Mic1(6.3mm) and Mic/Line input 2-3 (COMBO XLR) Aux1-2: 250mV 24V mute control input to trigger the built-in chime/Alert/EVAC pre-recorded messages				
Frequency Response	80-16KHz				
THD	<0.1%				
S/N Ratio	>70dB				
Protection	High temp, short circuit, clip & overload protection				
Power Supply	230V AC, 50-60Hz				
Power Consumption	100W	200W	400W	500W	650W
Dimension	484x405x88mm				
Weight	7.5kg	7.7kg	8.7kg	10.2kg	10.3kg

- Public address (PA) 3 zone mixer amplifier.
- 19 rack mount amplifier of 2U height
- Rated outputs of 60W, 120W, 240W, 350W to 500W
- 3 zone speaker outputs of 100V
- One zone speaker outputs of 40hm-80hm-160hm-70V-100V
- 3 zone speaker outputs with independent volume control
- Built-in media play includes USB & SD, FM tuner & blue tooth
- With IR remote control to switch source and volume control.
- Three microphone inputs, Mic1 (6.3mm) and Mic/Line input 2-3 (COMBO XLR).
- Mic2-3 of balanced input with mic/line switch and 48V phantom power.
- Aux 1-2 inputs on rear panel by RCA.
- Mic1 of VOX features of highest input priority except EMC input
- 24V Mute control input to trigger the built-in chime/Alert/EVAC pre-recorded messages
- Complete amplifier protection includes clip, overload, short circuit and high temp protection





## 5 Zone Mixer Amplifier + USB/SD/FM/Bluetooth/DAB+ optional

- EA-120Z(120W)
- EA-240Z(240W)
- EA-350Z(350W)
- EA-500Z(500W)
- EA-650Z(650W)

### Optional Player Module: DAB+Bluetooth+Mp3 & FM

Model	EA-120Z	EA-240Z	EA-350Z	EA-500Z	EZ-650Z
Description	Mixer Amplifier with USB/SD & FM & Bluetooth				
Rated Power Output	120W	240W	350W	500W	650W
Speaker Outputs	100V or 70V & 4-16Ω 5 zone speaker outputs 100V				
Connector	Mic1-5 input by balanced XLR; Aux 1 RCA input, Aux 2 6.3mm phone jack input Amp input 6.3mm phone jack, Pre Output 6.3mm phone jack EXT Chime for closed trigger input to activate the 4 tone chime and siren Mic1 Mute attenuator; Mic1-2+48V phantom power on/off dipswitch				
Input	MIC1-3: 5-8mV, 600Ω; Aux1-2, 150-470mV, 10kΩ				
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	150W	310W	450W	650W	800W
Power Supply	230V AC; 50-60Hz				
Dimension	484×350×88mm				
Weight	7.1kg	8.6kg	8.7kg	8.9kg	9.2kg

- Tabletop 5 zone mixer amplifier with Mp3 player, FM radio & blue tooth
- Rate power output at 60W, 120W, 240W, 350W to 500W.
- 5 zone speaker outputs 100V & single zone speaker output of 100V or 70V & 4 Ohm-8 Ohm-16 Ohm
- Mp3 player with USB/SD input on front panel, IR remote control for Mp3 player, FM radio and blue tooth
- EXT Chime for closed trigger input to activate the 4 tone chime and siren
- Mic1 priority & mute level attenuator
- phantom power for Mic1 & Mic2
- 7 Inpus includes Mic1-5 XLR inputs and Aux 1-2 inputs
- AMP input and Pre output for external amplifier link
- EQ of low, middle, high and master tone control
- Complete amplifier protection includes short-circuit, clip, overload and high temp

## 2 Zone Mixer Amplifier + USB/SD/FM/Bluetooth/DAB+ optional

- PA-2060M(2×60W)
- PA-2120M(2×120W)
- PA-2240M(2×240W)
- PA-2350M(2×350W)
- PA-2500M(2×500W)

### Optional Player Module: DAB+Bluetooth+Mp3 & FM

Model	PA-2060M	PA-2120M	PA-2240M	PA-2350M	PA-2500M
Description	2 Zone Mixer Amplifier+USB/SD/FM/DAB+/Bluetooth				
Rated Power Output	2×60W	2×120W	2×240W	2×350W	2×500W
Speaker Outputs	2 zone separated speaker output of 100V or 70V & 4-16Ω				
Connector	Mic1 input by balanced XLR with +48V phantom power Input2-3 inputs Mic/Line switchable unbalanced 6.3mm jack Line1-2 inputs by RCA, Line output by RCA RJ45 port for remote microphone				
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	310W	450W	650W
Power Supply	230V AC; 50-60Hz				
Dimension	484×335×88mm				
Weight	6.1kg	6.6kg	9.6kg	11.9kg	13.7kg



- Desktop or 19" rack mount 2 zone public address amplifier
- Built-in medial player with USB/SD, FM/DAB+ & Bluetooth
- Rate power output at 2×60W, 2×120W, 2×240W, 2×350W to 2×500W
- 2 zone separated speaker output of 100V or 70V & 4-16Ω
- 2 amplifier support 100V & 8 Ohm into one unit
- Bass/Treble and master volume 2 zone separate control
- 3 x Mic/line inputs, 2 x RCA line inputs, and 1 x RCA line output
- XLR input with switchable +48V phantom power
- Each amplifier support 6 units remote microphones through CAT6 cable
- With short-circuit, clip, overload and high temp protection
- 230V AC power supply



## 6 Zone mixer amplifier + USB/SD/FM/Bluetooth/DAB+ optional

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

### Optional Player Module: DAB+Bluetooth+Mp3 & FM

Model	DA-120MT	DA-240MT	DA-350MT	DA-500MT
Description	PA 6 Zone Mixer Amplifier with Mp3 & Tuner			
Rated Power Output	120W RMS	240W RMS	350W RMS	500W RMS
Speaker Output	70V, 100V and 4-16Ω			
Input	Mic1-4: 2.5mV, Line1-2: 250mV; EMC: 250mV			
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	200W	400W	500W	650W
Dimension	418(W)×318(D)×88(H)mm			
Weight	9.5kg	12kg	13kg	14.5kg
Warranty	5 years			

- 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 with independent volume control.
- Six zone speaker outputs with independent volume control.
- Built-in MP3 player by USB & SD and FM tuner.
- 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 Remote Microphone DA-500RM(For DA-500MT range amplifier)

- Communication through CAT 5 cable up to 200 meters.
- Direct power supply from amplifier.
- 6 speaker zone individual, group or all zone paging.
- Multiple Mic working simultaneously without interference.



## 2 Zone Remote Microphone PA-2500RM(For PA-2500M range amplifier)

- Communication through CAT 5 cable up to 200 meters.
- Direct power supply from PA-2500M.
- 2 speaker zone individual, group or all zone paging.
- Multiple Mic working simultaneously without interference.





**6X6 Matrix Amplifier + USB/SD/FM/Bluetooth/ DAB+ optional**  
**PA-6030MX(6x30W)**  
**PA-6060MX(6x60W)**  
**PA-6120MX(6x120W)**

Optional Player Module: DAB+Bluetooth+Mp3 & FM

Model	PA-6030MX	PA-6060MX	PA-6120MX
Description	6x6 Matrix Mixer Amplifier with Mp3/FM/Blue Tooth		
Rated Power Output	6x30W	6x60W	6x120W
Speaker Output	6 CH 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

- 6x6 Audio Matrix mixer amplifier with 6 x 30W, 6 x 60W 6 x 120W output
- 6 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 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.

## Remote Control Panel PA-6000SV

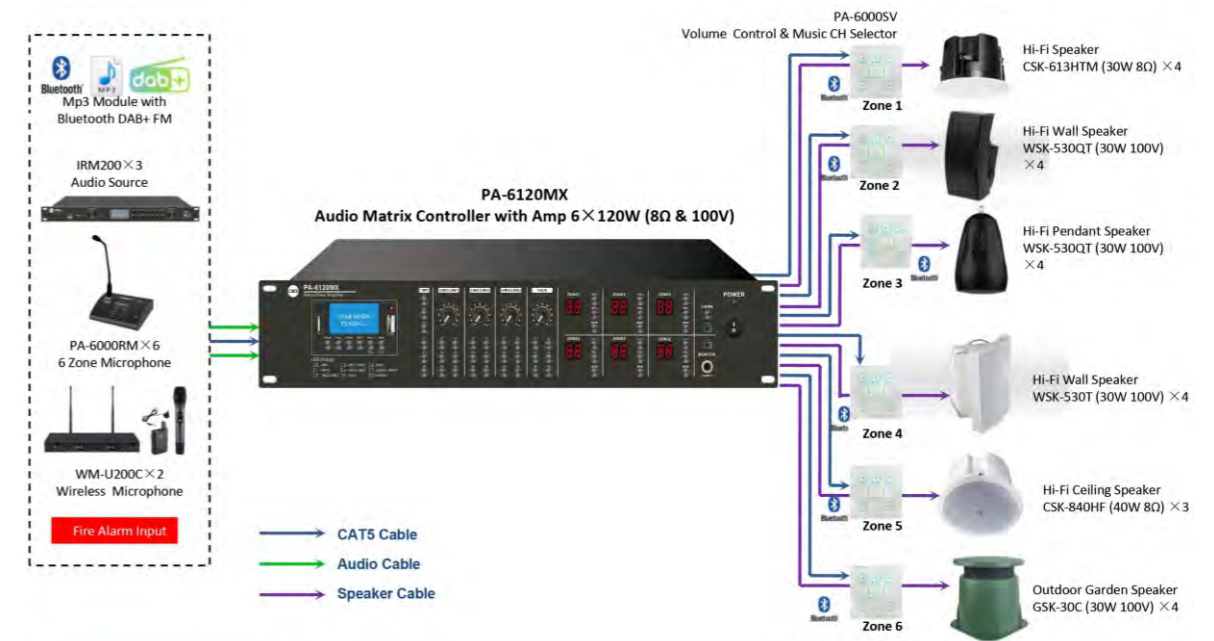


- Communication through CAT 5 cable up to 200 meters.
- Direct power supply from matrix controller.
- 5 channel music selection and volume control.
- Touch screen panel.
- 6 units capacity for each matrix controller.

## 6 Zone Remote Microphone PA-6000RM

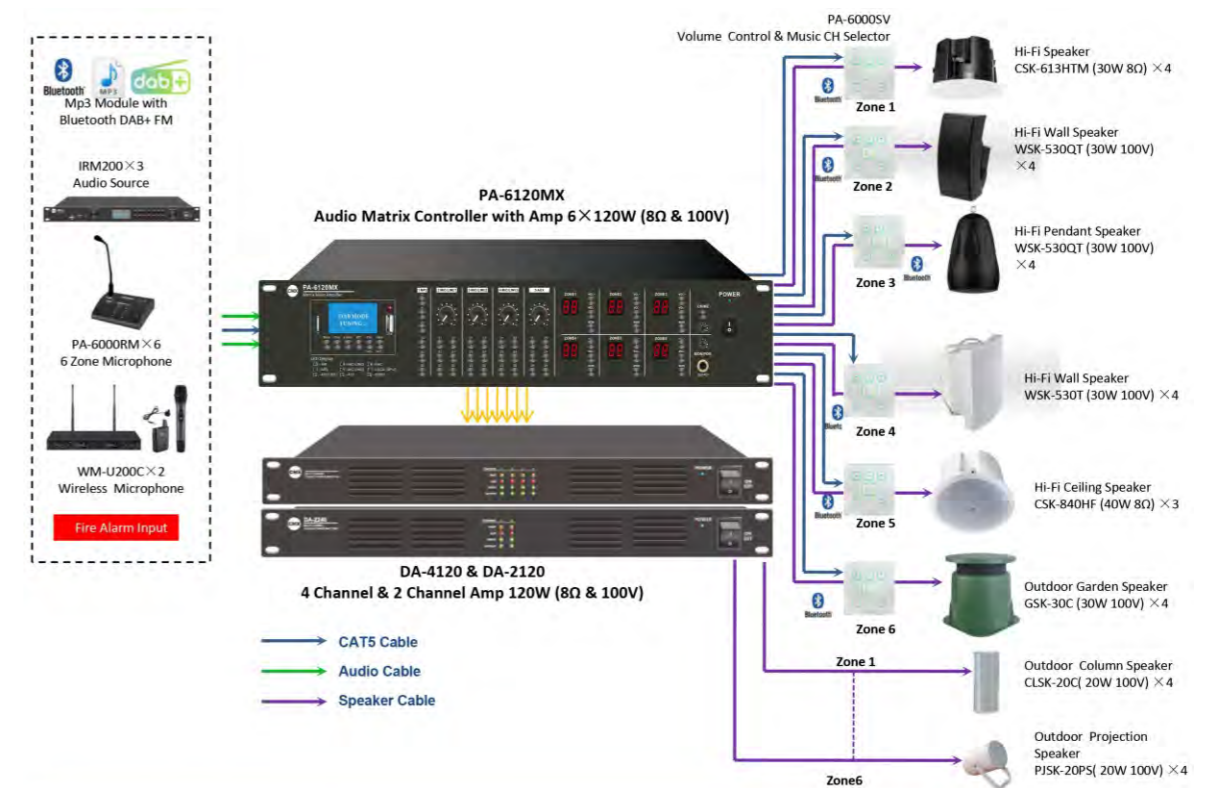


- Communication through CAT 5 cable up to 200 meters.
- Direct power supply from matrix controller.
- 6 speaker zone individual, group or all zone paging.
- Multiple Mic working simultaneously without interference.
- 6 units capacity for each matrix controller.



## 6 Zone Audio Matrix System

720W speaker loading, 6 music/paging channel, plus remote volume control



## 6 Zone Audio Matrix System

1440W speaker loading and expandable to 4440W, 6music/paging channel, plus remote volume control



- One set include an active speaker and a passive speaker.
- Built in class d amplifier 2x30W and Max 2x60W.
- Built in 5" woofer and 1.5" tweeter.
- ABS cabinet, metal grille and metal mounting bracket.
- Support 1 stereo line input, 1 microphone input, 100V balance input.
- 110-240V AC wide range power supply system.
- With microphone volume & aux volume control
- Ideal for school multimedia classrooms, meeting rooms and other places.  
Option: 2.4G wireless microphone system to use in multiple room without
- interference to each other.



- One set include an active speaker and a passive speaker.
- One pair active loudspeakers with 2.4G wireless microphones.
- Built in class d amplifier 2x30W and Max 2x60W.
- Built in 5" woofer and 1.5" tweeter.
- ABS cabinet, metal grille and metal mounting bracket.
- Adopt 64kHz/16bit sampling rate for high-quality audio transmission requirements.
- Support 1 stereo line input, 1 microphone input, 100V balance input.
- Support automatic memory function when power off.
- Support mute function, PPT page turning.
- Transmission distance is more than 50m in an open area.
- 110-240V AC wide range power supply system.
- Ideal for multiple room wireless teaching system without interference of each other.
- 2.4G wireless microphones kit with pendant or handheld receiver and battery charger

## 5" Active Wall Mount Speaker

**AWS530(Black)**  
**AWS530W(White)**

Model	AWS530	AWS530W
Description	Active Speaker System	
RMS	2x30W&Max2x60W@8Ohm	
Input sensitivity	0.5V	
FrequencyResponse	60Hz-18KHz/1W,±0.5dB	
S/NRatio	>90dB	
THD	20Hz-20KHz/1W,0.05%	
Dampingfactor	>200@8Ω/400Hz	
Conversionrate	30V/US	
Protection	High temp,overload,short circuit and clip	
Inputmode	RCAinput,6.5jack input,balance input&USB input	
PowerSupply	110-240VAC;50-60Hz	
Dimension	170×185×250mm	
Weight	4.7kgforoneset	

## 2.4G+ Active Speaker Wireless Teaching System

**AWS530G (Black)**  
**AWS530WG (White)**

Model	AWS530G	AWS530WG
Description	2.4G+Active Speaker Wireless Teaching System	
RMS	2x30W&Max2x60W@8Ohm	
Inputsensitivity	0.5V	
FrequencyResponse	60Hz-18KHz/1W,±0.5dB	
S/NRatio	>90dB	
THD	20Hz-20KHz/1W,0.05%	
Dampingfactor	>200@8Ω/400Hz	
Conversionrate	30V/US	
Protection	High temp,overload,short circuit and clip	
Inputmode	RCA input,6.5jack input,balance input&USB input	
IncludedAccessories	Handheld wireless mic with pendant slingx1,USB cable for Mic chargingx1,USB charger or power socketx1,AC adapterx1,Headset Micx1,PPT receiverx1,power cord x1.	
PowerSupply	110-240VAC;50-60Hz	
Dimension	170×185×250mm	
Weight	4.7kgforoneset	



## 5.25" Active Speaker Set with Bluetooth 100W

**BT-525A**  
**BT-525AW**

- Each kit includes 2 speakers (Active + Passive).
- Built-in Digital Sound Stereo Amplifier.
- Bluetooth wireless streaming system.
- 2-Way full range stereo sound system
- 5.5" Poly cone with 1.5" tweeter and crossover.
- MAX Power Output: 200W.
- RMS Power Output: 50W.
- Mic input (6.35mm) and RCA stereo line input.
- Highly efficient up to 85% Class-D stereo 20W+20W amplifier.
- With Bluetooth for iPhone, iPad and any mobile devices.
- Use Bluetooth wireless send music to speaker without cable.
- Wireless communication distance up to 100 meters.
- ABS white enclosure and white metal grille.
- Shielded signal transmission to isolate the earth line.
- Shielded finish to avoid electronic magnetic noise inside.
- AC 110V-240V power adapter is included.
- Quick and safe wall mount installation design.
- With over temp, over load, short circuit and AC fuse protection.
- Black and white two colors option.
- With 2.4G wireless microphone system option to add.



Model	BT-525A	BT-525AW
Description	5.25" Active Speaker Set with Bluetooth 100W	
Bluetooth Version	Bluetooth 5.0	
MAX Power Output	200W	
RMS Power Output	50W	
Frequency Response	60-20KHz (±3dB)	
Impedance	8 Ohm	
THD	<0.5% at 1kHz, 1/3 rated power	
S/N Ratio	>70dB	
Speaker Unit	Two-Way 5.5" Poly cone with 1.5" tweeter and crossover.	
Dimension	170×185×250mm	
Weight	4.7kg (2 speakers)	
Material	ABS enclosure and metal grille	
Color	White or Black	
Power Supply	AC 110-240V power adapter is included	



**7 Inch Touch Sreen On Wall Amplifier with Bluetooth/USB/FM/WIFI**

**A7 ( 8x25W)**

Model	A7
Display	7" HD Touch Screen (1024*600)
CPU	CortexA9 quad core, 1.6G
RAM	1G
ROM	16G
Power Supply	AC100-240V, 50-60Hz
Power Output(max)	8x 25W @ 8Ω
Input Impedance	47KΩ
Load	4-8Ω
THD	0.03% (1W,1KHz)
Frequency Response	20Hz-20KHz3DB
Extended Memory card	Up to 32G
WIFI Transmit Distance	30m
Bluetooth Distance	10m
Product Size	186.5*122*48.8mm
Wire box size	181*114*70mm

- A7 In Wall Amplifier For Smart Home System.
- Android pad + Class D amplifier.
- Multi - language setting.
- Free Wiselink app to control amplifiers as system to work together or separately.



**On Wall Amplifier with Bluetooth/USB/FM**  
**A3 (2x15W)**

Model	A3
Description	In-Wall Amplifier with Bluetooth/USB/FM
Power Supply	100-240V AC, 50/60Hz (screw terminal)
Rated Power Output	2X15W@ 8 Ohms
Audio Format	mp3, wma, wav, flac, ape, dts, aac, ac3, ogg
Video Format	Mpeg-1/2/3/4, rm/rmvp, wmv, mov, mk, vob, avi, 3gp, h.264
FM Range	87.5-108MHz
Distance	IR remote control & Bluetooth distance up to 20 meters
Frequency Response	20Hz~20KHz (at±0.3dB)
THD	<0.03% at 1kHz, 1W
SN Ratio	>98dB
Volume	Bass: ±15dB; Treble: ±15dB
Dimension	86 x 86 x 57mm
Mounting	86 x 86 x 50mm
Color	Black or white
Weight	128g

- Bluetooth wireless connectivity
- Built-in stereo amplifier of 2 x 15 watts output
- Internal Bluetooth, USB/SD media player and FM tuner
- Supplied with I.R. remote control
- Volume control through panel keys or the supplied remote control
- 5 program of timer to scheduled power on/off
- 30 levels of attenuation through remote control or key functions on front panel
- Memory setting, with contact for door bell and remote trigger broadcast
- Black or white color option



**On wall amplifier with Bluetooth/TF/AUX/FM**

**A4 (4x25W)**

Model	A4
Display	3.5" Capacitive Touch Screen
Power Supply	AC100-240V
Output Power	4 x 30W (Max)
Input Impedance	10KΩ
Output Impedance	4-8Ω
Frequency Response	20Hz-20KHz3DB
Extended Memory card	Up to 32G
Bluetooth Distance	10m
Product Size	86 x 86 x 48mm

- Stereo Amplifier Module (4 x30W)
- 3.5" capacitive touch screen English display
- Bluetooth connectivity for wireless audio input of iPhone, iPad, smartphones, etc
- Modifiable Bluetooth name and password
- 1 x Wired Audio Input (on rear PCB)
- USB and SD card player (at bottom of unit)
- 1 x Wired Audio Output (on rear PCB)
- Built-in FM radio(87-108MHz)
- 1 x RS485 connector
- Music Player with adjustable Treble/Bass.
- 12/24Hours Time Display
- Timely schedule play/stop music
- Infrared remote control
- Screw terminations on the rear of the unit for loudspeakers, power and wired line input
- Includes in-line power supply

**Set Solution: A3+CSK-66ER Ceiling Speaker 15W x 2**  
(Amplifier + Speaker Pair, Bluetooth, USB, FM & Remote Control)



**Set Solution: A4+CSK-512HR Ceiling Speaker, 30W x 4**  
(Amplifier + Speaker Two Pairs, Bluetooth, USB, FM & Remote Control)



**Set Solution: A7+CSK-512HR Ceiling Speaker, 30W x 8**  
(Amplifier + Speaker Two Pairs, Bluetooth, USB, FM & Remote Control)



## On Wall Amplifier With Bluetooth/USB/FM

**A5(2x15W)  
A5Z(4x15W)**



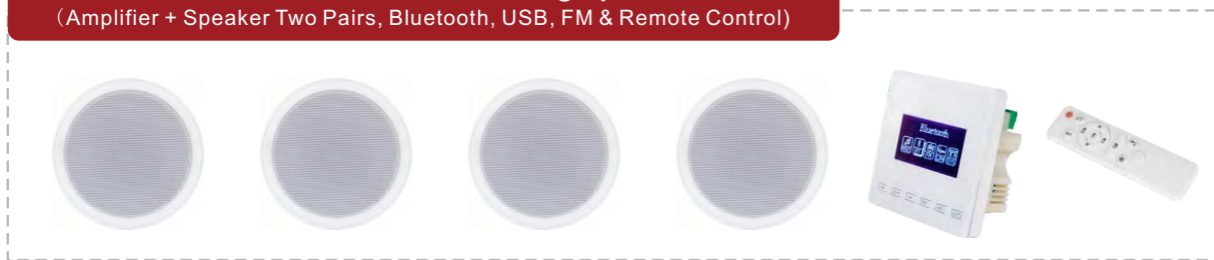
Model	A5	A5Z
Description	On Wall Amplifier with Bluetooth/USB/FM	
Power Supply	100-240V AC, 50/60Hz (screw terminal)	
Rated Power Output	2 X 15W @ 8 ohms	4 X 15W @ 8 ohms
Audio Format	mp3, wma, wav, flac, ape, dts, aac, ac3, ogg	
Video Format	Mpeg-1/2/3/4, rm/rmvb, wmv, mov, mk, vob, avi, 3gp, h.264	
FM Range	87.5-108MHz	
Distance	IR remote control & Bluetooth distance up to 20 meters	
Frequency Response	20Hz~20KHz (at 0.3dB)	
THD	<0.03% at 1kHz, 1W	
SN Ratio	>98dB	
Volume	Bass: 15dB; Treble: 15dB	
Display	2.8" English display, 320X240 resolution	
Power Supply	AC 220~240V, 50/60Hz	
Dimension	86x86x50mm	
Mounting	86x86x57mm	
Weight	128g	

- Bluetooth wireless connectivity.
- 2 x 15 watts output.
- Internal USB/SD media player and FM tuner.
- Supplied with I.R. remote control.
- LCD English display the music title and music number.
- Volume control through panel keys or the supplied remote control.
- 5 program of timer to scheduled power on/off.
- 30 levels of attenuation through remote control or key functions on front panel.
- Memory setting, with contact for door bell and remote trigger broadcast.

### Set Solution: A5 + CSK-66HL Ceiling Speaker 15W x 2 (Amplifier + Speaker Pair, Bluetooth, USB, FM & Remote Control)



### Set Solution: A5Z + CSK-66HL Ceiling Speaker 15W x 4 (Amplifier + Speaker Two Pairs, Bluetooth, USB, FM & Remote Control)



- All in one wireless active ceiling speaker with blue tooth.
- 1 active+1 passive speaker system as one kit.
- One active speaker and one passive speakers.
- Built-in 5.25" full rang ceiling speaker with crossover.
- Highly efficient up to 85% Class-D stereo amplifier.
- Bluetooth streaming for iPhone, iPad and any mobile control.
- Use Bluetooth wireless send music to speaker without cable.
- Wireless communication distance up to 50 meters.
- MAX power output of 160 watt.
- RMS power output of 40 watt.
- ABS white enclosure and white metal grille.
- Shielded signal transmission to isolate the earth line.
- Shielded finish to avoid electronic magnetic noise inside.
- 12V DC power adapter included in the package.
- Fast mounting type by spring clip.
- With over temp, over load, short circuit and AC fuse protection.

## Wireless Active Ceiling Speaker with Bluetooth (Active + Passive)

**BT-510C**

Model	BT-510C
Description	Wireless Active Ceiling Speaker with Bluetooth
Bluetooth Version	Bluetooth 5.0
Power Output Max	160W
Power Output RMS	40W
Frequency Response	80-20KHz
SPL(@1W/m)	92dB
THD	<0.5% at 1kHz, 1/3 rated power
S/N Ratio	>70dB
Speaker Unit	5.25" full range paper cone with crossover
Dimension	180x76mm
Cutout Size	170mm
Weight	1.95kg (2 speakers)
Material	ABS white enclosure and white metal grille
Power Supply	12V DC power adapter included



- All in one wireless active ceiling speaker with blue tooth.
- 1 active+3 passive speaker system, each set of 4 speakers.
- One active speaker and three passive speakers.
- Built-in 5.25" full rang ceiling speaker with crossover.
- Highly efficient up to 85% Class-D stereo amplifier.
- Bluetooth streaming for iPhone, iPad and any mobile control.
- Use Bluetooth wireless send music to speaker without cable.
- Wireless communication distance up to 50 meters.
- MAX power output of 160 watt.
- RMS power output of 2x40 watt 8 Ohm.
- ABS white enclosure and white metal grille.
- Shielded signal transmission to isolate the earth line.
- Shielded finish to avoid electronic magnetic noise inside.
- 12V DC power adapter included in the package.
- Fast mounting type by spring clip.
- With over temp, over load, short circuit and AC fuse protection.

## Wireless Active Ceiling Speaker with Bluetooth (Active + 3 Passive)

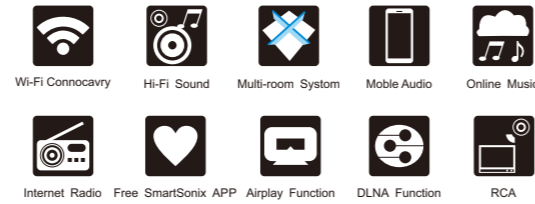
**BT-510A**

Model	BT-510A
Description	Wireless Active Ceiling Speaker with Bluetooth
Bluetooth Version	Bluetooth 5.0
Power Output	2x40W RMS and 2x80W Max.
Frequency Response	80-20KHz
SPL(@1W/m)	92dB
THD	<0.5% at 1kHz, 1/3 rated power
S/N Ratio	>70dB
Speaker Unit	5.25" full range paper cone with crossover
Dimension	180x76mm
Cutout Size	170mm
Weight	5.45kg
Material	ABS white enclosure and white metal grille
Power Supply	12V DC power adapter included

# Wi-Fi multi-room audio solution

## Wireless Wi-Fi Speaker

WIFI530  
WIFI62  
WIFI64



- Wireless control from iPhone, iPad and any mobile devices.
- Use APP Wi-Fi wireless send music to speaker without cable.
- Multiple zone music broadcasting with interference.
- Scheduled power on/off after program.
- Each system control over 600 sets of Wi-fi speaker.
- Built-in Digital Sound Stereo Amplifier.
- Wireless Wi-Fi music streaming.
- 2-Way stereo sound system.
- Wireless communication distance up to 200-300 meters.

Model	WIFI530	WIFI62	WIFI64
Speaker Type	Wall Mount Speaker	In-Ceiling Speaker	In-Ceiling Speaker
Speaker Qty	Active plus Passive	Active plus Passive	Active plus Passive×3 Units
Power Handling Capacity	200 Watt	120 Watt	
RMS Power Output	30 Watt+30 Watt.	30 Watt+30 Watt.	30 Watt+30 Watt×3
Zone Number	600	600	600
Coverage Distance	200-300 meters	200-300 meters	400-600 meters
Frequency Response	60-18KHz (±3dB)		
Impedance	8 Ohm		
THD	<0.5% at 1kHz, 1/3 rated power		
S/N Ratio	>70dB		
Power Consumption	70W	60W	150W
Speaker Unit	5.5" + 1.5"	5.5" + 1.5"	5.5" + 1.5"



### Multi-room

Play synchronized audio in multiple rooms.

### Multi-channel

Play any song to any speaker or a group of speakers together.

### Multi-user

Users can "hand off" control of the audio source to change music content instantly.

## Intuitive App



Download for free in the App Store or Google Play Store today



- 100V line ceiling speaker with transformer.
- 5.25", 6.5" & 8" three size.
- Frameless design with magnetic grille.
- 2-Way speaker with tweeter.

Model	CSK-512HT	CSK-613HT	CSK-814HT
Power Taps	20-10-5W	30-15-7.5W	40-20-10W
Frequency Response	80-20KHz	80-20KHz	80-20KHz
SPL (@1W/1m)	89dB	90dB	91dB
Speaker Unit	5.25" +1" tweeter	6.5"+1" tweeter	8"+1" tweeter
Cutout Size	Ø 180mm	Ø 205mm	Ø 250mm
Dimensions	Ø 205×90mm	Ø 235×110mm	Ø 280×115mm
Finish Baffle	ABS, black; Grille: magnetic steel, white		
Weight	1.3kg	1.7kg	2.1kg



- Hi-fi ceiling speaker 8Ω.
- 5.25", 6.5" & 8" three size.
- Frameless design with magnetic grille.
- 2-Way speaker with tweeter.

Model	CSK-512HR	CSK-613HR	CSK-814HR
Power Output 8Ω	20/40W	30/60W	40/80W
Frequency Response	80-20KHz	80-20KHz	80-20KHz
SPL (@1W/1m)	89dB	90dB	91dB
Speaker Unit	5.25" +1" tweeter	6.5"+1" tweeter	8"+1" tweeter
Cutout Size	Ø 180mm	Ø 205mm	Ø 250mm
Dimensions	Ø 205×90mm	Ø 235×110mm	Ø 280×115mm
Finish Baffle	ABS, black; Grille: magnetic steel, white		
Weight	1.3kg	1.7kg	2.1kg



- 100V line ceiling speaker with transformer.
- 5.25", 6.5" & 8" three size.
- With multiple power taps plus 8Ω.
- Frameless design with magnetic grille.
- 2-Way speaker with tweeter.
- With ABS back cover.

Model	CSK-512HTM	CSK-613HTM	CSK-814HTM
Power Taps	20-10-5-2.5W & 8Ω	30-15-7.5-3.8W & 8Ω	40-20-10-5W & 8Ω
Frequency Response	60-20KHz	60-20KHz	60-20KHz
SPL (@1W/1m)	89dB	90dB	91dB
Speaker Unit	5.25" +1" tweeter	6.5"+1" tweeter	8"+1" tweeter
Cutout Size	Ø 180mm	Ø 205mm	Ø 250mm
Dimensions	Ø 205×130mm	Ø 235×145mm	Ø 280×190mm
Finish Baffle	ABS, black; Grille: magnetic steel, white; Back Can: ABS, black		
Weight	1.5kg	2.0kg	2.7kg



- Commercial ceiling speaker with 100V transformer.
- Frameless fashion new design.
- 100V power taps 6-3W.
- 6.5" full range paper driver unit.
- ABS enclosure and metal grille in white.
- In-ceiling quick installation by spring clip.

Model	CSK-66H
Power Taps	6-3W
Frequency Response	100-15KHz
SPL(@1W/m)	93±3dB
Speaker Unit	6.5" full range paper cone
Cutout Size	Ø 165mm
Dimension	Ø 188×76mm
Material	ABS enclosure and metal grille in white
Weight	0.7kg



**CSK-36C**

**CSK-36E  
CSK-46E**

- Commercial ceiling speaker with transformer.
- Spot mini size ceiling speaker.
- Compact size consistent with spot lighting and architectural design.
- Ideal for school, office, hotel and airport background music system.
- Line input 100V or 70V.
- ABS enclosure and metal grille in white.
- In-ceiling quick installation by spring clip.

Model	CSK-36C	CSK-36E	CSK-46E
Power Taps	3-1.5W	6-3W	6-3W
Frequency Response	120-20KHz	120-20KHz	90-18KHz
SPL(@1W/m)	87dB	87dB	90dB
Speaker Unit	3"	3"	4"
Cutout Size	Ø 95mm	Ø 90mm	Ø 112mm
Dimension	Ø 103x80mm	Ø 101x60mm	Ø 135x85mm
Material	ABS white	Steel white	Steel white



- Commercial ceiling speaker with transformer.
- Ideal for school, office, hotel & airport background music system.
- Line input 100V or 70V.
- ABS enclosure and metal grille in white.
- In-ceiling quick installation by spring clip.

Model	CSK-56E	CSK-66E	CSK-810E
Power Taps	6-3W	6-3W	10-6W
Frequency Response	100-15KHz	100-15KHz	100-15KHz
SPL(@1W/m)	93dB	93dB	93dB
Speaker Unit	5"	6.5"	8"
Cutout Size	Ø 150mm	Ø 170mm	Ø 205mm
Dimension	Ø 175x75mm	Ø 188x76mm	Ø 228x90mm
Material	ABS white	ABS white	ABS white



- Commercial ceiling speaker with transformer.
- Compact size consistent with spot lighting and architectural design.
- Ideal for school, office, hotel and airport background music system.
- Line input 100V or 70V.
- Metal enclosure and metal grille in white.
- In-ceiling quick installation by spring clip.

Model	CSK-46W	CSK-56W	CSK-66W
Power Taps	6-3W	6-3W	6-3W
Frequency Response	100-15KHz	100-15KHz	100-15KHz
SPL(@1W/m)	91dB	91dB	91dB
Speaker Unit	4"	5"	6.5"
Cutout Size	Ø 155mm	Ø 175mm	Ø 220mm
Dimension	Ø 180x60mm	Ø 200x65mm	Ø 245x69mm
Material	Steel white	Steel white	Steel white



- Commercial ceiling speaker with transformer.
- Ideal for school, office, hotel and airport background music system.
- Line input 100V or 70V.
- Metal enclosure and metal grille in white.
- In-ceiling quick installation by spring clip.

Model:	CSK-66M	CSK-810M
Power Taps:	3W-6W	5W-10W
Frequency Response:	110-18KHz	90-18KHz
SPL(@1W/m):	92dB	92dB
Speaker Unit:	6.5"	8"
Cutout Size:	Φ175mm	Φ230mm
Dimension:	Φ200×65mm	Φ265×65mm
Material:	Steel white	Steel white



- Commercial ceiling speaker with transformer.
- Ideal for school, office, hotel and airport background music system.
- Ceiling speaker with metal fire dome.
- Line input 100V or 70V.
- Metal enclosure, metal grille and metal back cover in white.
- In-ceiling quick installation by spring clip.

Model:	CSK-66MC	CSK-86MC
Power Taps:	6-3W	10-5W
Frequency Response:	100-18KHz	100-18KHz
SPL(@1W/m):	92dB	92dB
Speaker Unit:	6.5"	8"
Cutout Size:	Φ175mm	Φ230mm
Dimension:	Φ200x90mm	Φ265x108mm
Material:	Steelwhite	Steelwhite



- Commercial ceiling speaker with transformer.
- Classic range coaxial ceiling loudspeaker.
- Ideal for school, restaurant, hotel, train station & airport BGM and speech use.
- High power output range in-ceiling speaker for big scale installation.
- ABS enclosure and metal grille in white.
- Flush mount in-ceiling quick and secure installation.

Model:	CSK-520T	CSK-630T	CSK-840T
Power Taps:	20-10W	30-15W	40-20W
Frequency Response:	100-18KHz	100-18KHz	100-18KHz
SPL(@1W/m):	91dB	91dB	91dB
Speaker Unit:	5"	6.5"	8"
Cutout Size:	Φ168mm	Φ195mm	248mm
Dimension:	Φ203x80mm	Φ230x85mm	Φ280x100mm
Material:	ABS white	ABS white	ABS white



**Surface Mount Ceiling Speaker**

- Commercial ceiling speaker with transformer
- Ideal for school, office, hotel and airport background music system
- Suitable to install on the surface of the roof where cut hole is impossible
- 5" & 6" full range paper driver unit
- Line input 100V or 70V
- ABS enclosure and ABS grille in white
- Surface mount quick installation by switchable bracket

Model:	SCK-56T	SCK-610T
Power Taps:	3-6W	6-10W
Frequency Response:	80-18KHz	80-18KHz
SPL(@1W/m):	91dB	93dB
Speaker Unit:	5"	6"
Dimension:	162x115mm	Φ265×85mm
Material:	ABS white	ABS white

## Hi-fi Ceiling Loudspeaker

- Commercial public address system ceiling speaker with transformer.
- Hi-fi range coaxial ceiling loudspeaker with back cover.
- Ideal for school, restaurant, hotel, train station & airport BGM and speech use.
- High power output range in-ceiling speaker for big scale pa system installation.
- Rated power output 2.5W-5W-10W-20W at 100V.
- Rated power output of 20W RMS.
- Line input 100V or 70V & 8.
- ABS enclosure, metal grille and metal back can in white.
- Flush mount in-ceiling quick and secure installation.
- Wide dispersion rang installation PA loudspeaker.



Model:	CSK-520K	CSK-630K	CSK-840K
Power Taps:	20-10-5W+8Ω	30-15-7.5W+8Ω	40-20-10W
Frequency Response:	100-18KHz	100-18KHz	100-18KHz
SPL(@1W/m):	93dB	93dB	91dB
Speaker Unit:	5"	6.5"	8"
Cutout Size:	Φ170mm	Φ195mm	Φ248mm
Dimension:	Φ203x145mm	Φ230x150mm	Φ280x185mm
Material:	ABS white	ABS white	ABS white

## Ceiling Subwoofer

- Ceiling subwoofer for extra low frequency & heavy bass
- With transformer support 70v/100v or 8 Ohm
- 240W RMS power output
- 240W/120W/60W & 8 Ohm power taps on front
- 10" PP low frequency transducer
- With breathing whole for strengthened performance
- ABS enclosure and metal fire dome
- In-ceiling quick installation by spring clip
- Extra bass supplement for in-ceiling sound system



Model:	SUB-1024T
Description	10" Ceiling Subwoofer
Power Taps	240W/120W/60W & 8 Ohm
Frequency Response	36-150Hz
SPL(@1W/m)	89±3dB
Speaker Unit	10" PP low frequency transducer
Cutout Size	Ø 330mm
Dimension	Ø 360×330mm
Material	ABS enclosure and metal fire dome
Weight	7.0kg

## Ceiling Subwoofer

- Ceiling subwoofer for extra low frequency & heavy bass
- With transformer support 70v/100v or 8 Ohm
- 60W RMS and Max 120W power output
- 60W-30W-15W-7.5W & 8 Ohm power taps on front
- 8" glass fiber low frequency transducer
- With breathing whole for strengthened performance
- ABS enclosure and metal fire dome
- In-ceiling quick installation by dog ears
- Extra bass supplement for in-ceiling sound system



Model:	SUB-860D
Description	8" Ceiling Subwoofer
Power Taps	60W-30W-15W-7.5W & 8 Ohm
Frequency Response	40-108Hz
SPL(@1W/m)	89±3dB
Speaker Unit	8" glass fiber low frequency transducer
Cutout Size	Ø 270mm
Dimension	Ø 305×215mm
Material	ABS enclosure and metal fire dome
Weight	4.8kg



Model:	MHS-30	MHS-60	MHS-80
Description	30W Outdoor music Horn speaker	60W Outdoor music Horn speaker	80W Outdoor Music Horn Speaker
Rated Power Output	7.5W-15W-30W	12.5W-25W-50W	10W-20W-40W-80W
Line Input	100V or 70V	100V/70V & 8Ω	100V/70V & 8Ω
Frequency Response	100-10KHz	90-20KHz	90-20KHz
SPL (@1W/m)	97dB	99dB	99dB
IP Rate	IP66	IP66	IP66
Connector	By water proof finish speaker table	By screw terminal with waterproof cover	By screw terminal with waterproof cover
Dimension	366x270x165mm	362x310x252mm	348x348x288mm
Net Weight	3kg	3.9kg	4.7kg
Material	UV protected ABS enclosure and stainless metal bracket		
Mounting Way	Quick installation by supplied stainless mounting bracket		

Model:	HSK-15T	HSK-30T	HSK-50T
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	100 or 70V	100V or 70V
Frequency Response	400-8KHz	350-8KHz	380-6.8KHz
SPL (@1W/m)	105dB	105dB	109dB
IP Rate	IP66	IP66	IP66
Connector	By speaker cable tail	By speaker cable tail	By speaker cable tail
Dimension	232(W)x222(D)x162(H)mm	285(W)x280(D)x205(H)mm	400(W)x309(D)x235(H)mm
Net Weight	1.4kg	2kg	2.6kg
Material	ABS enclosure and stainless metal bracket in white		
Mounting Way	Quick installation by supplied stainless mounting bracket		



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	7.5W-25W-50W
Line Input	100V or 70V	100 or 70V	100V or 70V
Frequency Response	450-5KHz	380-6.5KHz	380-6.5KHz
SPL (@1W/m)	106dB	107dB	107dB
IP Rate	IP66	IP66	IP66
Connector	By speaker cable tail	By speaker cable tail	By speaker cable tail
Dimension	200(D)x230(H)mm	246(D)x292(H)mm	246(D)x292(H)mm
Net Weight	1.3kg	2.1kg	2.1kg
Material	Aluminum enclosure and stainless metal bracket in white		
Mounting Way	Quick installation by supplied stainless mounting bracket		







PSK-10T



PSK-20PS

Model:	PSK-10T	PSK-20PS
Description:	Pendant speaker	Pendant speaker
Rated Power Output:	2.5W-5W-10W	5W-10W-20W at 100V& 8 Ohm
Speaker:	5" full range woofer	6.5" full range woofer
Line input:	100V or 70V	100V or 70V& 8 Ohm
Frequency Response:	150-15KHz	110-15KHz
SPL(@1W/m):	92dB	92dB
Connector:	By speaker cable tail	By speaker cable tail
Dimension:	Ø180mm	170x245mm
Material:	ABS white enclosure and security steel ring	ABS enclosure and metal grille in white
Mounting Way:	Quick installation by supplied adjustable hanging wire	Quick installation by supplied adjustable hanging wire and security steel ring



PSK-530KA

PSK-530K

- Indoor-Outdoor Commercial music & paging speaker with transformer
- 2 mounting installation: pendant speaker & wall mount speaker
- 5.25" woofer and 1" tweeter 2-way speaker system
- 100V power taps 30-15-7.5-3.8W & 8Ω
- PSK-30KW and PSK-30KAW of white color

Model:	PSK-530K	PSK-530KA
Description:	Pendant Speaker	Wall Speaker
IP Rate	IP44	IP44
100V Power Taps:	30-15-7.5-3.8W & 8Ω	
Speaker:	5.25" woofer and 1" tweeter 2-way speaker system	
Frequency Response:	65-20KHz	
SPL(@1W/m):	90dB	
Dimension	Ø170x240mm	
Material	ABS enclosure in black	
Weight	2.4kg	



Model:	PJSK-20PS
Description:	Weatherproof Projection Speaker
Rated Power Output:	10W-20W
Speaker:	6"
Input Impedance:	1KΩ
Line Input:	100V or 70V
Frequency Response:	130-17KHz
SPL(@1W/m)	90dB
IP Rate:	IP66
Connector:	By speaker cable tail waterproof gland
Dimension:	Ø138x200mm    Ø135x205mm
Material:	UV protected ABS enclosure and stainless metal bracket in white
Mounting Way:	Quick installation by supplied stainless mounting bracket

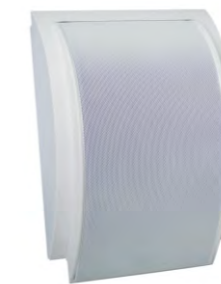


Model:	PJSK-10AS	PJSK-20AS	PJSK-20AD
Description:	Weatherproof Projection Speaker		
Rated Power Output:	5W-10W	20W-10W	10W-20W
Speaker:	5"	6"	2x6.5"
Input Impedance:	1KΩ	500Ω	500Ω
Line Input:	100V or 70V	100V or 70V	100V or 70V
Frequency Response:	130-17KHz	100-17KHz	100-17KHz
SPL(@1W/m):	90dB	92dB	92dB
IP Rate:	IP66	IP66	IP66
Connector:	By speaker cable tail waterproof gland		
Dimension:	Ø138x215mm	Ø170x258mm	Ø170x258mm
Material:	UV protected ABS enclosure and stainless metal bracket in white		
Mounting Way:	Quick installation by supplied stainless mounting bracket		



- 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.
- 3" full range waterproof speaker units.
- IP66 outdoor waterproof and dustproof rate.
- With full stainless mounting bracket and screws.

Model:	CLSK-20CA	CLSK-40CA	CLSK-80CA
Tapping	10W-20W	20W-40W	40W-80W
IP Rate	IP66	IP66	IP66
SPL @ 1W/1M	91dB	93dB	92dB
Freq Response	170-15KHz	170-15KHz	100-16KHz
Dimension	405x106x75	691x106x75	97x86x942mm
Material	Aluminum	Aluminum	Aluminum
Weight	2.0kg	3.5kg	6kg



Model:	WSK-56C	WSK-610C
Power Output	6W-3W	10W-6W
Line Input	100V	100V
Freq Response	130-15KHz	150-15KHz
SPL @ 1W/1m	92dB	92dB
Speaker	5"	6.5"
Dimension	312x210x85mm	350x240x100mm
Material	ABS body white	ABS body white
Weight	1.4kg	1.7kg



Model:	WSK-46M
Power Output	6W
Line Input	100V
Freq Response	150-15KHz
SPL @ 1W/1m	91dB
Speaker	5"
Dimension	161x161x100mm
Material	ABS body white
Weight	0.8kg

**WSK-420CSIP & WSK-420CSWIP**  
**WSK-530CSIP & WSK-530CSWIP**  
**WSK-640CSIP & WSK-640CSWIP**

- Commercial public address speaker with transformer.
- IP66 waterproof finish for all extreme weather applications.
- 4", 5.25" & 6" weatherproof woofer and 1" silk tweeter 2-way speaker system.
- ABS enclosure, aluminum grill and stainless bracket in black.
- Waterproof cable gland secure wiring is protected for outdoor.
- With W model is white color.



Model:	WSK-420CSIP	WSK-530CSIP	WSK-640CSIP
Power Taps	20-10-5-2.5W & 8Ω	30-15-7.5-3.8W & 8Ω	40-20-10-5W & 8Ω
Frequency Response	100-20KHz	100-20KHz	100-20KHz
SPL (@1W/m)	90dB	92dB	96dB
IP Rate	IP66	IP66	IP66
Speaker Unit	4" +1"	5.25"+1"	6.5"+1"
Dimension	170×150×215mm	182×162×242mm	215×190×284mm
Material	ABS enclosure, aluminum grill and stainless bracket in black or white		
Net Weight	2.2kg	2.5kg	3.5kg

- Wall mount speaker for Hi-fi.
- 4" +2.5" × 2 three way speaker.
- Line input 8 Ohm or 100V.
- ABS body in white or black.



Model:	WSK-530Q	WSK-530QW	WSK-530QT	WSK-530QTW
Power max. : 8 Ohms	80W	80W	30W	30W
Power rms: 8 Ohms	40W	40W	×	×
Line Input	8 Ohm	8Ohm	100V	100V
Freq Response	100-18KHz	100-18KHz	100-18KHz	100-18KHz
SPL @1W/1m	92dB	92dB	92dB	92dB
Speaker	4"+2.5" x2 three way	4"+2.5" x2 three way	4"+2.5" x2 three way	4"+2.5" x2 three way
Dimension	227x152x136mm	263x180x148mm	227x152x136mm	263x180x148mm
Material	ABS body white	ABS body white	ABS body white	ABS body white
Weight	2.5kg	2.5kg	2.7kg	2.7kg

- Commercial public address speaker with transformer.
- Hi-fi speaker for 8 Ohm application with crossover.
- 100V power taps 30-15-7.5-3.8W & 4Ω.
- 2X4" woofer and 1" silk dome tweeter 3-way speaker system.
- ABS enclosure, metal grille in black.
- 4 units combination into line array speaker.



Model:	WSK-430H	WSK-430HW
Description	Wall Mount Speaker	
Power Taps	30-15-7.5-3.8W & 8Ω	
Frequency Response	75-20KHz	
SPL (@1W/m)	88±3dB	
Speaker Unit	2×4" woofer and 1" silk dome tweeter 3-way speaker system	
Dimension	350×260×135mm	
Material	ABS enclosure and metal grille in black or white	
Net Weight	3kg	

- Wall mount speaker with transformer.
- Outdoor waterproof rate.
- Two way speaker.
- Line input 100V & 8 Ohm.
- ABS body in white or black.



Model:	WSK-530T	WSK-530TW
Power Taps	30W-15W-7.5W+8 Ohm	30W-15W-7.5W+8 Ohm
Line Input	100V+8 Ohm	100V+8 Ohm
Freq Response	130-15KHz	130-15KHz
SPL @1W/1m	91dB	91dB
Speaker	5"+1" two way	5"+1" two way
Dimension	295×196×157mm	295×196×157mm
Material	ABS body black	ABS body white
Weight	3.5kg	3.5kg



**WSK-420C**  
**WSK-530C**  
**WSK-640C**

**WSK-420CW**  
**WSK-530CW**  
**WSK-640CW**

- Commercial PA system wall mount speaker with transformer.
- Ideal for school, office, hotel and airport background music system.
- Economy rang fashion wall mount cabinet loudspeaker.
- Line input 100V or 70V.
- ABS enclosure, metal grille in black.
- Quick installation by supplied stainless mounting bracket.

Model:	WSK-420C	WSK-530C	WSK-640C
Description	Wall Mount Speaker		
Rated Power Output	20W	30W	40W
Line Input	100V or 70V	100V or 70V	100V or 70V
Frequency Response	100-20KHz	100-20KHz	100-20KHz
SPL(@1W/m)	90dB	92dB	96dB
Speaker Unit	4"	5"	6"
Dimension(W)x(D)x(H)	160x150x225mm	185x170x257mm	215x190x285mm
Material	ABS enclosure and metal grille in black		
Mounting Way	Quick installation by supplied stainless mounting bracket		
Weight	2.2kg	2.5kg	3.5kg

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



Model:	WSK-420CS	WSK-530CS	WSK-640CS
Tapping	20W-10W-5W-2.5W	30W-15W-7.5W-3.75W	40W-20W-10W-5W
Line Input	100V+8 Ohm	100V+8 Ohm	100V+8 Ohm
Speaker	4"+1.5"tweeter	5"+1.5"tweeter	5"+1.5"tweeter
IP Rate	IP35	IP35	IP35
SPL @1W/1M	92dB	94dB	96dB
Freq Response	100-20KHZ	100-20KHZ	100-20KHZ
Dimension	160X150X255mm	185X170X257mm	215X190X285mm
Material	ABS, black	ABS, black	ABS, black
Weight	2.2kg	2.5kg	3.5kg

Model:	WSK-420CSW	WSK-530CSW	WSK-640CSW
Tapping	20W-10W-5W-2.5W	30W-15W-7.5W-3.75W	40W-20W-10W-5W
Line Input	100V+8 Ohm	100V+8 Ohm	100V+8 Ohm
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	160X150X255mm	185X170X257mm	215X190X285mm
Material	ABS, black	ABS, black	ABS, black
Weight	2.2kg	2.5kg	3.5kg



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

Model:	WSK-420H	WSK-530H	WSK-640H	WSK-860H
Tapping	20-10-5-2.5W	30-15-7.5-3.75W	40-20-10-5W	60-30-15-7.5W
Line Input	100V+8 Ohm	100V+8 Ohm	100V+8 Ohm	100V+8 Ohm
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	257X165X155mm	275X185X170mm	335X215X195mm	417x289x255mm
Material	ABS, black	ABS, black	ABS, black	ABS, black
Weight	2.5kg	3.1kg	3.7kg	6.6kg



Model:	WSK-420HW	WSK-530HW	WSK-640HW	WSK-860HW
Tapping	20-10-5-2.5W	30-15-7.5-3.75W	40-20-10-5W	60-30-15-7.5W
Line Input	100V+8 Ohm	100V+8 Ohm	100V+8 Ohm	100V+8 Ohm
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	275X165X155mm	275X185X170mm	335X215X195mm	417x289x255mm
Material	ABS, white	ABS, white	ABS, white	ABS, white
Weight	2.5kg	3.1kg	3.7kg	6.6kg



Model	GSK-30C	GSK-30T	GSK-520B	GSK-520C	GSK-520D
Power Handling Capacity	100W	100W	80 W	80 W	80 W
Rated Power Output	30W	30W	20W	20W	20w
Speaker	6.5" Coaxial	6.5" Coaxial	5.25" Coaxial	5.25" Coaxial	5.25" Coaxial
Line Input	100V	100V	100V	100V	100V
Frequency Response	80-18KHz	80-18KHz	80-15KHz	80-15KHz	80-15KHz
SPL(@1W/m)	96dB	96dB	92dB	92dB	92dB
IP Rate	IP66	IP66	IP66	IP66	IP66
Dimension	∅ 250×330	∅ 295×300	220×210×230	200×210×210	430×300×240
Weight	2.9kg	5.4kg	3kg	3kg	4.6kg
Material	ABS	Fiber-glass	Fiber-glass	Fiber-glass	Fiber-glass



Model	GSK-630A	GSK-630B	GSK-630C	GSK-202
Power Handling Capacity	100 W	100W	100W	100W
Rated Power Output	30W	30W	30W	30W
Speaker	6.5" Coaxial	6.5" Coaxial	6.5" Coaxial	6.5" Coaxial
Line Input	100V	100V	100V	100V
Frequency Response	80-16KHz	80-16KHz	80-16KHz	80-18KHz
SPL(@1W/m)	94dB	94dB	94dB	95dB
IP Rate	IP66	IP66	IP66	IP66
Dimension	320×270×270	345×285×265	340×300×270	∅ 400x430mm
Weight	3.8kg	4.3kg	4.0kg	4. 2kg
Material	Fiber-glass	Fiber-glass	Fiber-glass	Fiber-glass

## Outdoor Garden Speaker with Lamp

- Outdoor garden speaker
- IP66 waterproof rate
- Coaxial speaker with tweeter
- Outdoor speaker with lamp



Model	GSK-30D	GSK-30DT
Power Handling Capacity	100W	100W
Rated Power Output	30W	30W
Speaker	5.25" Coaxial	5.25" Coaxial
Line Input	100V	100V
Frequency Response	20-18KHz	20-18KHz
SPL(@1W/m)	94dB	94dB
IP Rate	IP66	IP66
Lamp	5W, LED of G10, 12V DC	5W, LED of G10, 12V DC
Dimension	385×255×625	385×255×625
Weight	8.1kg	8.1kg
Material	Fiber-glass	Fiber-glass



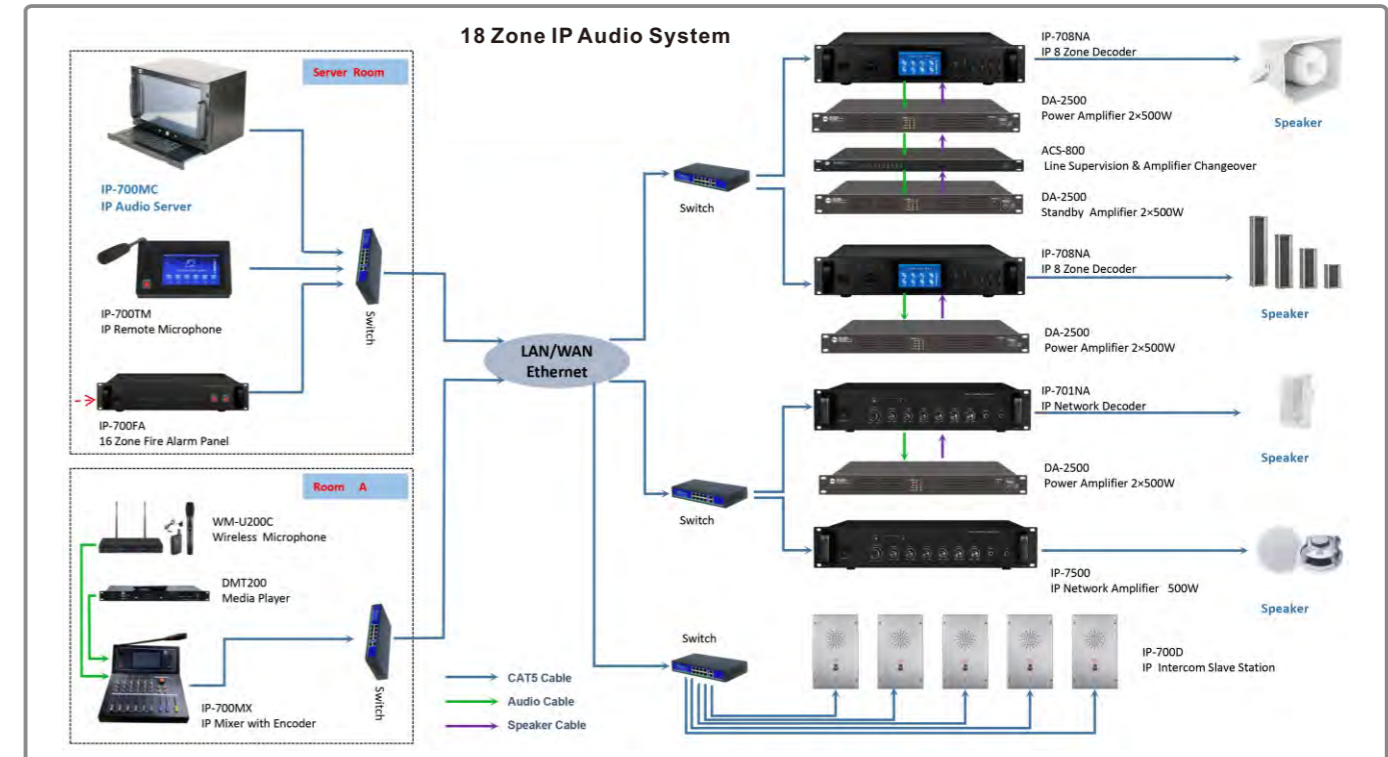
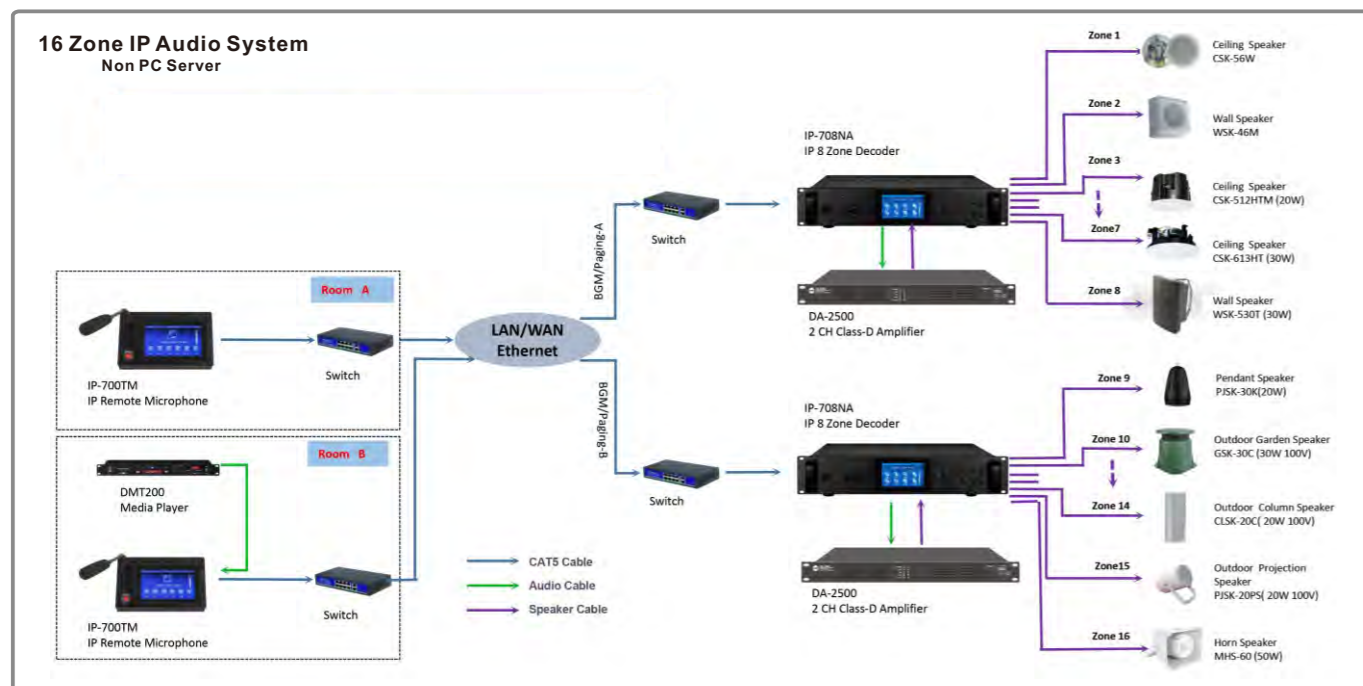
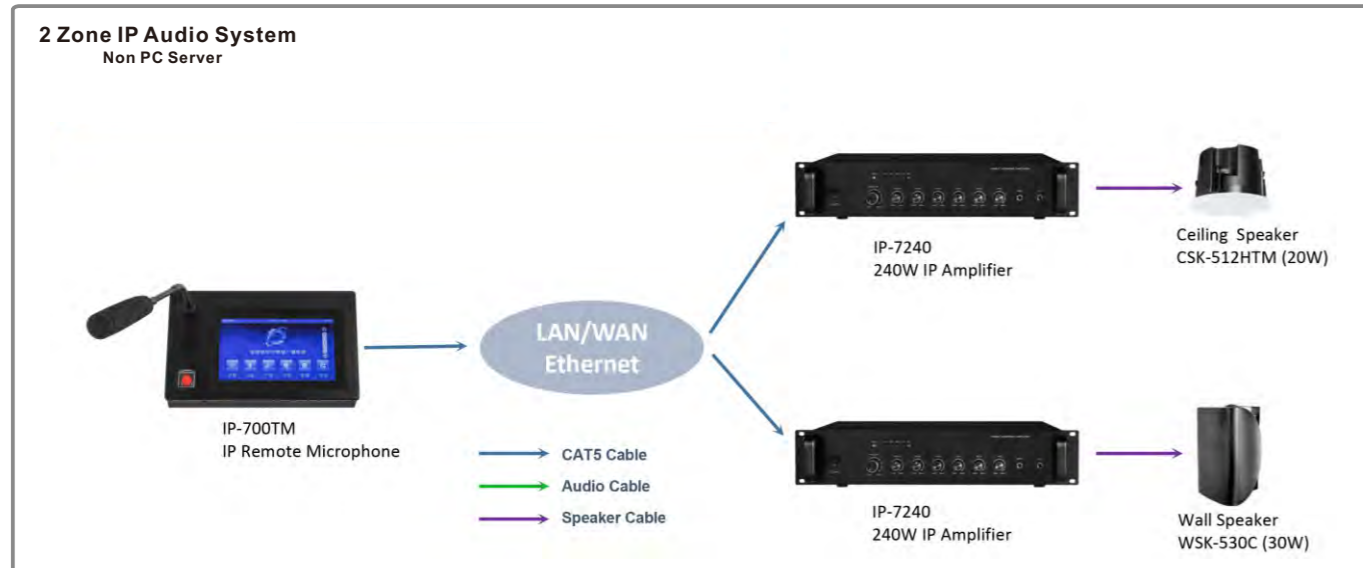
Model	VC-C6	VC-C30	VC-C60	VC-C120	VC-C6F	VC-C30F	VC-C60F	VC-C120F
Description	100V Volume Controller				100V Volume Controller with Relay			
Rated Output	6W	30W	60W	120W	6W	30W	60W	120W
Line Input	100V or 70V				100V or 70V			
24V Relay	No	No	No	No	Yes	Yes	Yes	Yes
Volume Step	5 steps				5 steps			
Attenuation 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							



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							

## IP Audio System IP-700

- Complete public address & voice alarm over IP.
- Background music over IP.
- Live speech, pre-recorded announcement over IP.
- No limits on distance, Support LAN/WAN and Internet network., non dedicated network is needed.
- Central management, monitoring and audio synchronization.
- IP microphone with two way talk back or emergency communication system.
- IP Audio System without sever software.
- Centralized control IP audio system.
- Free configure and management English software.
- Communication protocol TCP/IP, UPP, IGMP.
- Audio format support Mp3 & Mp2.
- System zone capacity up to 6,000 zones.
- IP voice alarm, IP PABX and speaker line monitoring with additional equipments.
- Support Windows 7 and Windows 10 operation system

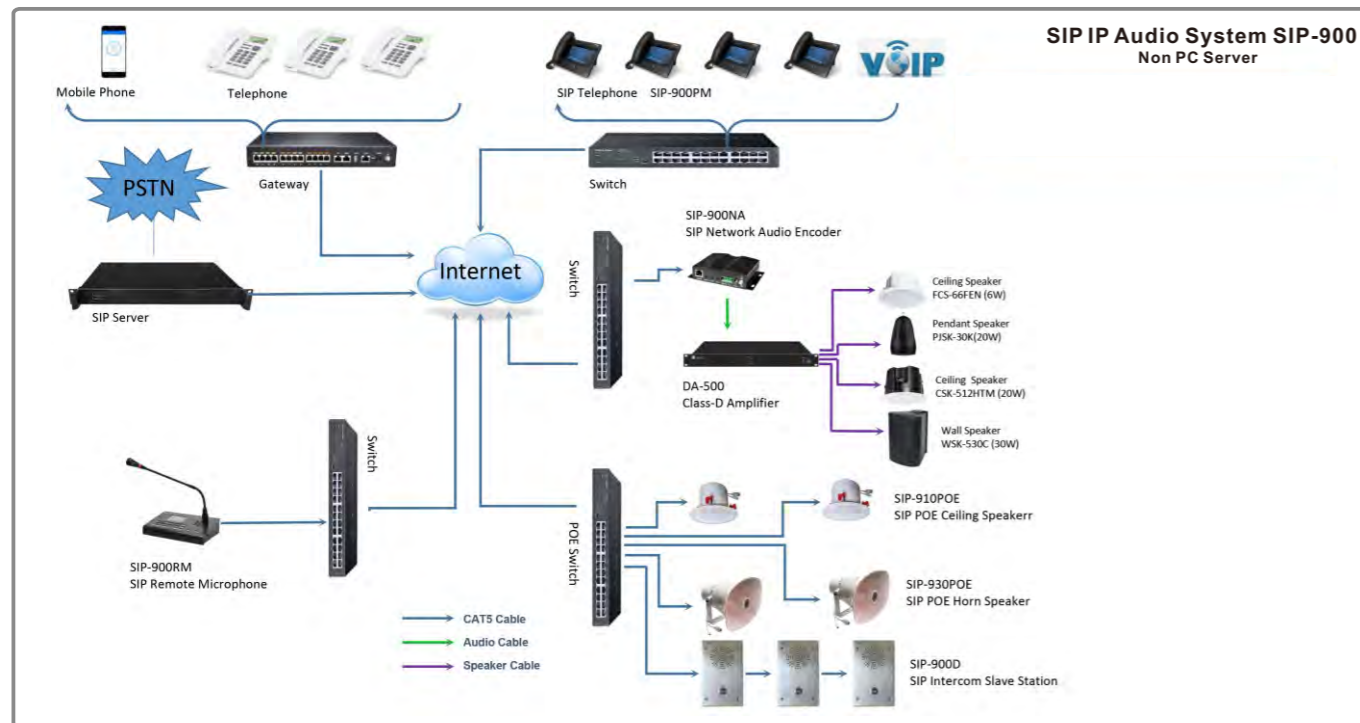


<p><b>IP Remote Microphone IP-700TM</b></p>	<ul style="list-style-type: none"> <li>- 7" English Display touch screen IP microphone built-in server</li> <li>- Live paging</li> <li>- Pre-recorded messages broadcasting</li> <li>- Priority assignment</li> <li>- Zones &amp; group selection</li> <li>- Analog audio convert into IP streaming</li> <li>- Built-in monitor speaker</li> <li>- Two way talk back system</li> <li>- Two way intercom system master station</li> <li>- Hands free emergency communication system</li> <li>- With line input and output</li> <li>- With control input and output</li> <li>- 12V DC power supply</li> </ul>	<p><b>8 Zone IP Decoder IP-708NA</b></p> <ul style="list-style-type: none"> <li>- 8 zone network audio decoder is the head of IP PA system</li> <li>- 19" rack mount design of 2U height</li> <li>- Split one or two amplifier into 8 loudspeaker zones</li> <li>- With IP remote microphone for separate zone paging</li> <li>- Support LAN/WAN and Internet network., non dedicated network is needed.</li> <li>- System zone capacity up to 6,000 zones</li> <li>- Support IP BGM and paging system</li> <li>- IP voice alarm, IP PABX and speaker line monitoring with additional equipments.</li> <li>- 2x Mic inputs and 2x Aux inputs and 1x Line output</li> <li>- Priority level from high to low: Mic1, RJ45, others input</li> <li>- 2x control inputs and 1x control output</li> <li>- Output support 3000W Max total and 350W max per zone</li> </ul>
<p><b>IP Amplifier IP-7060 IP-7120 IP-7240 IP-7350 IP-7500 IP-7650</b></p>	<ul style="list-style-type: none"> <li>- Single zone IP decoder with mixer power amplifier</li> <li>- 19" rack mount design of 2U height</li> <li>- Support LAN/WAN and Internet network., non dedicated network is needed.</li> <li>- System zone capacity up to 6,000 zones</li> <li>- Support IP BGM and paging system</li> <li>- IP voice alarm, IP PABX and speaker line monitoring with additional equipments.</li> <li>- Built-in amplifier support speaker of 70V/100V &amp; 4-16Ω</li> <li>- Rated power output of 60W/120W/240W/350W/500W/650W</li> <li>- 2x Mic inputs and 2x Aux inputs and 1x Line output</li> <li>- Priority level from high to low: Mic1, RJ45, others input</li> <li>- 1x control inputs and 1x control output</li> </ul>	<p><b>IP-701AMP Compact IP Decoder with Amplifier</b></p> <ul style="list-style-type: none"> <li>- Single zone IP decoder with stereo amplifier</li> <li>- Economy range wall mount IP decoder with amplifier</li> <li>- Support LAN/WAN and Internet network., non dedicated network is needed.</li> <li>- System zone capacity up to 6,000 zones</li> <li>- Support IP BGM and paging system</li> <li>- IP voice alarm, IP PABX and speaker line monitoring with additional equipments.</li> <li>- Built-in 2x 20W 8Ω stereo amplifier</li> <li>- 1x Mic inputs and 1x Aux inputs and 1x Line output</li> <li>- With Priority level selector of LAN &amp; mic</li> <li>- 1x control inputs and 1x control output</li> </ul>
<p><b>IP Mixer with Encoder IP-700MX</b></p>	<ul style="list-style-type: none"> <li>- 8 CH IP mixer with encoder to encode analog audio over IP</li> <li>- Support LAN/WAN and Internet network., non dedicated network is needed.</li> <li>- Support IP BGM and paging system</li> <li>- Support multiple units using together in one system</li> <li>- 4x Mic inputs and 4x line inputs and 2x Line output</li> <li>- 1x control inputs and 1x control output</li> <li>- With gooseneck microphone for live speech</li> <li>- Assign analog audio to pre-set IP decoder</li> </ul>	

## SIP/IP Audio System

### SIP-900

- Complete public address & voice alarm & intercom talk back over IP.
- Background music over IP.
- VOIP paging over IP.
- Live speech, pre-recorded announcement over IP.
- No limits on distance.
- Central management, monitoring and audio synchronization.
- Integration with any PABX system of AVAYA, CISCO & HUAWEL.
- SIP open protocol integration with any third party system.
- With two way emergency communication system and intercom system.
- SIP IP Audio System non PC server version.



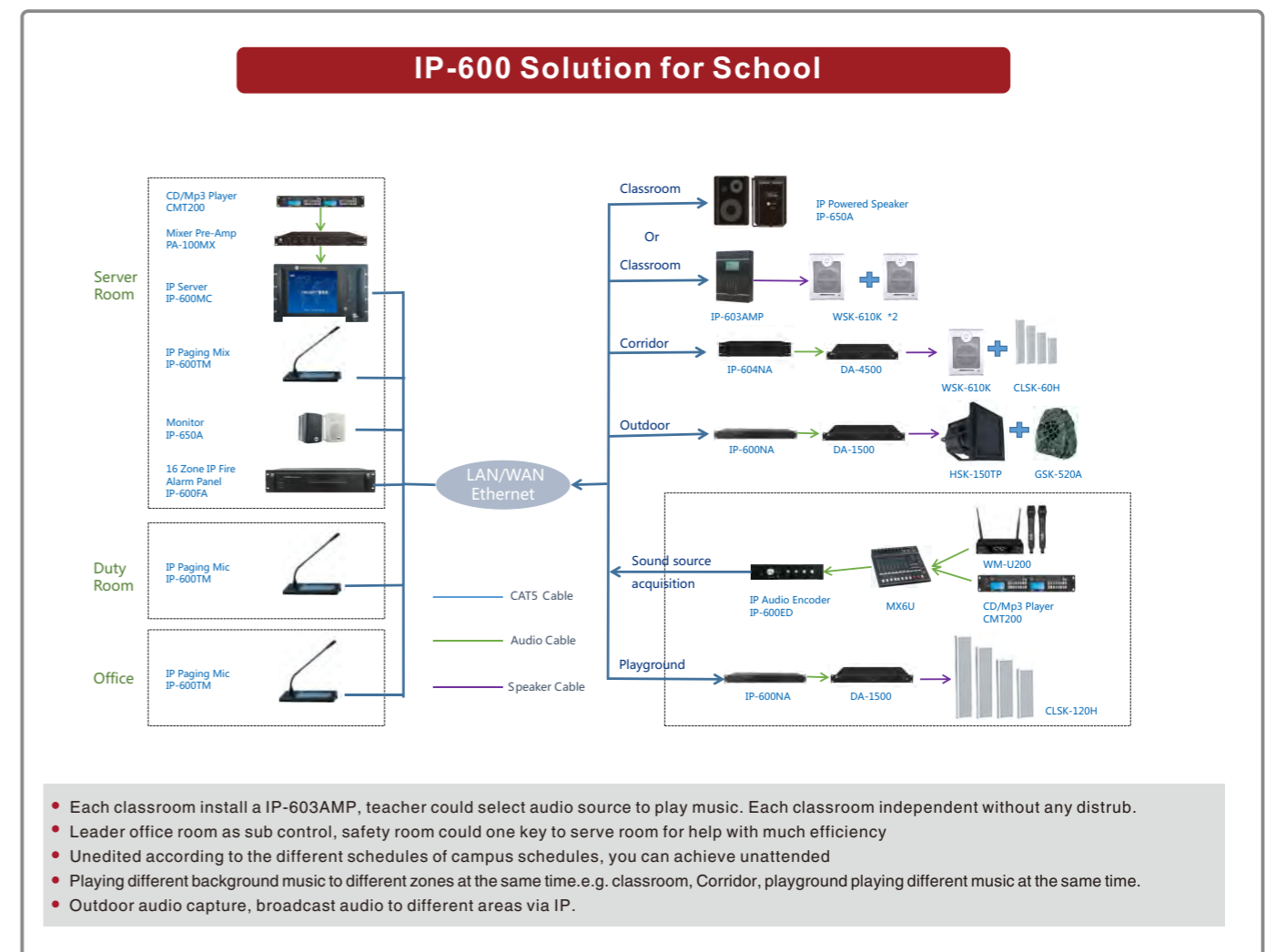
<p><b>SIP/IP Remote Microphone SIP-900RM</b></p> <ul style="list-style-type: none"> <li>- Live paging</li> <li>- Pre-recorded messages broadcasting</li> <li>- Priority assignment</li> <li>- Zones selection</li> <li>- Analog audio convert into IP streaming</li> <li>- Built-in monitor speaker</li> <li>- Two way talk back system</li> <li>- Two way intercom system master station</li> <li>- Hands free emergency communication system</li> <li>- Integration with any SIP third party system</li> <li>- Integration with any IP PABX system</li> <li>- With line input and output</li> <li>- 12V DC power supply</li> </ul>	<p><b>SIP/IP VOIP Phone SIP-900PM</b></p> <ul style="list-style-type: none"> <li>- Live paging</li> <li>- Pre-recorded messages broadcasting</li> <li>- Priority assignment</li> <li>- Zones selection</li> <li>- Analog audio convert into IP streaming</li> <li>- Built-in monitor speaker</li> <li>- Two way talk back system</li> <li>- Two way intercom system master station</li> <li>- Hands free emergency communication system</li> <li>- With line input and output</li> <li>- Integration with any VOIP PABX system</li> </ul>
<p><b>SIP/IP Decoder SIP-900NA</b></p> <ul style="list-style-type: none"> <li>- Converter analog audio into IP streaming</li> <li>- With one line input, mic input and line output</li> <li>- 12V DC power supply</li> <li>- With relay output to integration with third party system like emergency lamp or emergency button or fire alarm</li> <li>- Integration with any SIP third party system</li> <li>- Integration with any IP PABX system</li> </ul>	<p><b>SIP/IP Slave Station SIP-900D</b></p> <ul style="list-style-type: none"> <li>- Hands free talk back system</li> <li>- Two way communication with IP microphone or IP master station</li> <li>- Built-in microphone and monitor speaker</li> <li>- Integration with any SIP third party system</li> <li>- Integration with any IP PABX system</li> </ul>
<p><b>SIP/IP Ceiling Speaker SIP-910POE</b></p> <ul style="list-style-type: none"> <li>- PoE or 12V/2A adapter</li> <li>- 10W/20W power output</li> <li>- Built-in audio decoder</li> <li>- Integration with any SIP third party system</li> <li>- Integration with any IP PABX system</li> </ul>	<p><b>SIP/IP Horn Speaker SIP-930POE</b></p> <ul style="list-style-type: none"> <li>- Weatherproof IP66 full outdoor use</li> <li>- PoE or 12V/2A adapter</li> <li>- 30W/50W power output</li> <li>- Built-in audio decoder</li> <li>- Operation temp support -10°C ~ +65°C</li> <li>- Integration with any SIP third party system</li> <li>- Integration with any IP PABX system</li> <li>- IP66 weatherproof rate</li> </ul>

## IP Network Audio System

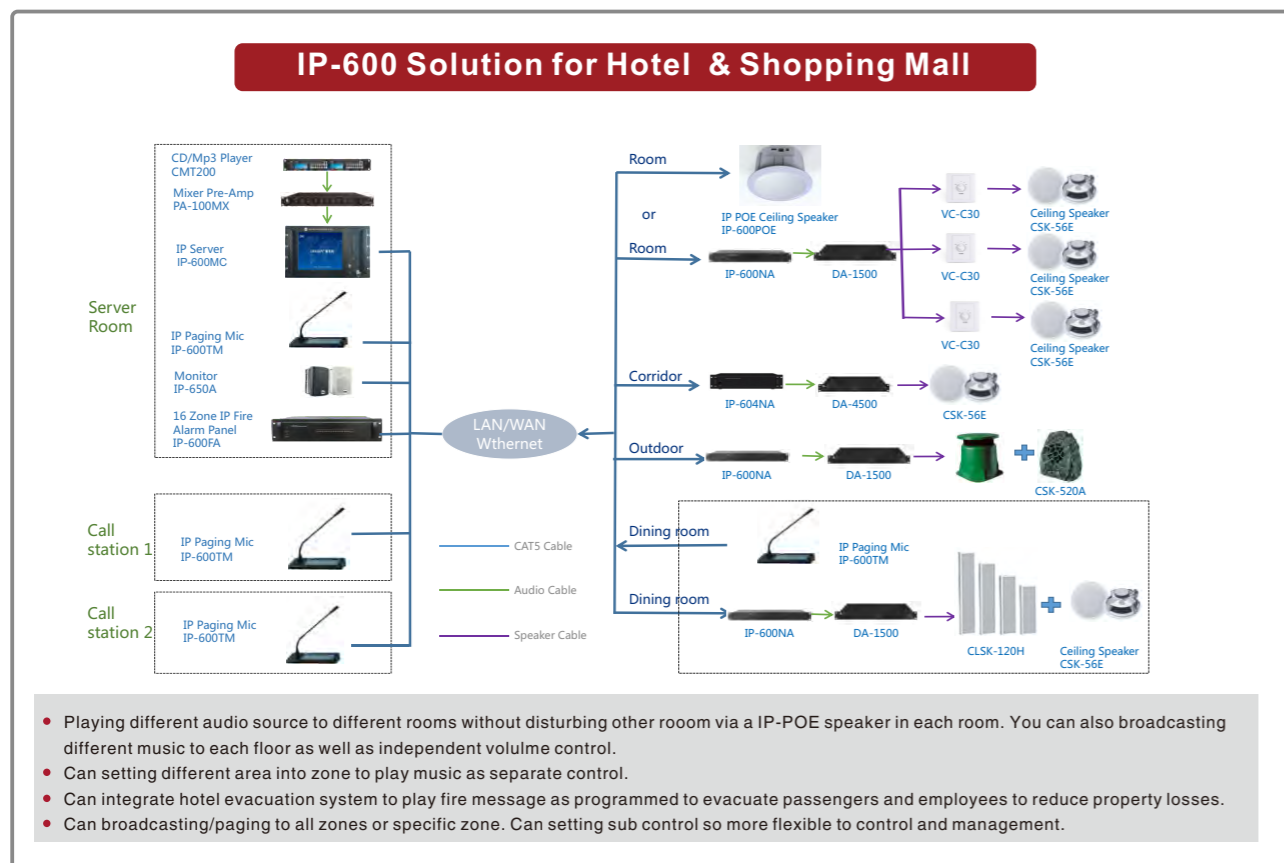
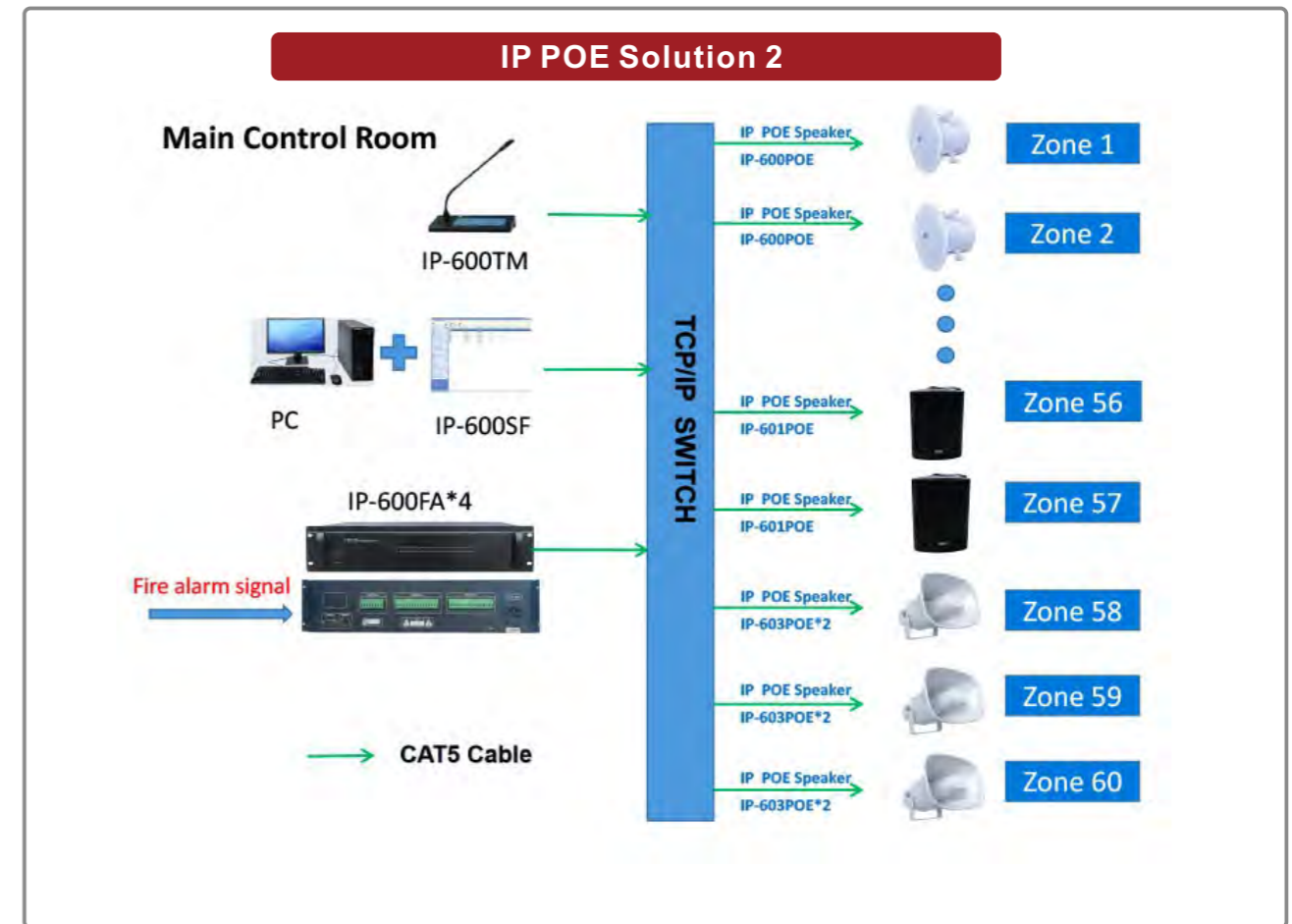
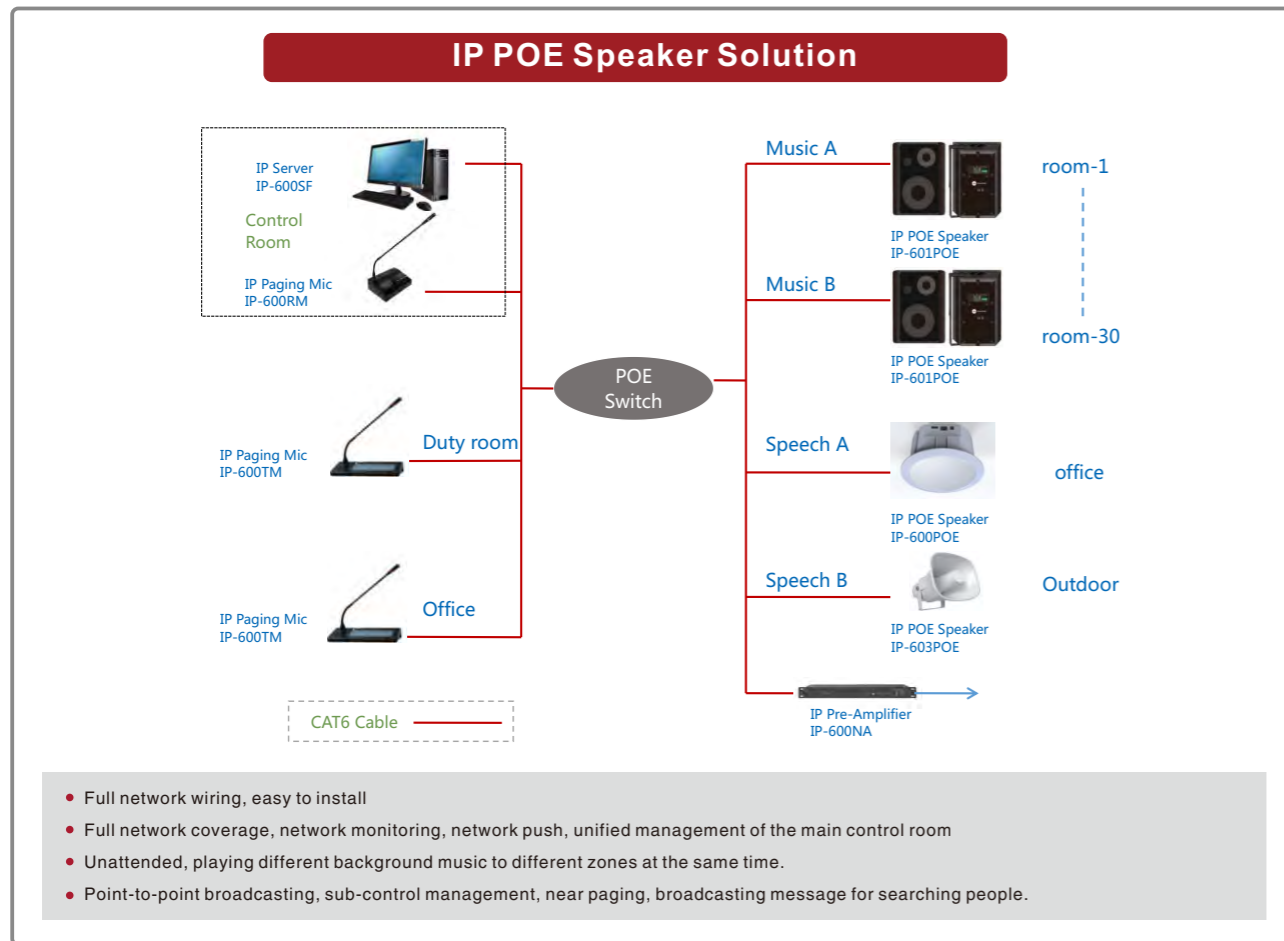
### IP-600

#### Why To Choose The Ip Network Audio System?

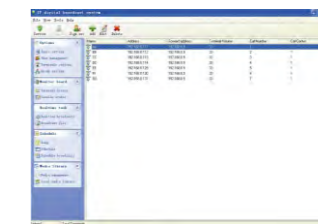
- Audio distribution anywhere, where there is an ip network
- Usage of existing LAN/WAM network
- Easy connection of large and very diaant destinations
- Possinility to create separate zones & groups with different programs
- Central management of all loudspeakers
- Cheaper and faster installation
- 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 rtc.



- Each classroom install a IP-603AMP, teacher could select audio source to play music. Each classroom independent without any distrub.
- Leader office room as sub control, safety room could one key to serve room for help with much efficiency
- Unedited according to the different schedules of campus schedules, you can achieve unattended
- Playing different background music to different zones at the same time.e.g. classroom, Corridor, playground playing different music at the same time.
- Outdoor audio capture, broadcast audio to different areas via IP.



## IP Network Audio Software IP-600SF



- Server of IP network audio system and IP PA system.
- Support Windows 2000, Windows 7, Windows 8, Windows XP and Windows 10.
- 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 equipments 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 include administrator and branch server and alarm server.
- Graphic maps display for visually simple monitoring and operation.

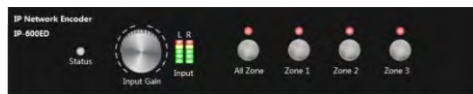
## IP Microphone(Touch Screen) IP-600TM



- Touch screen IP remote microphone, with exquisite appetite, elegant craft and modern design.
- Full duplex two way communication between different remote microphones.
- Embed PC technology, built-in DSP & high speed industrial chip to ensure start time less than 1 second.
- With 7 inch LCD user-friendly human-machine interface.
- With touch screen control and paging to any zone.
- Several paging capacity: zone paging, group paging, all zone paging, two way intercom.
- Built-in 3W full-range monitor speakers with clear voice restoration and no echo noise.
- With USB input to broadcast pre-recorded voice message to different zones.
- Enable to transmit local sources to be broadcasted over network.
- Within one microphone input and one line input and one line output for sound system.
- 12V DC power supply, the power adapter is included in the packaging.

Model	IP-600TM
Description	IP Microphone (Touch Screen)
Communication Protocol	TCP/IP, UDP, IGMP, ARP, UDP
Audio Format	MP3/MP2
Sampling Rate	8K~48KHz
Transmission Speed	10M/100Mbps
Frequency Response	20Hz~16KHz (+1dB, -3dB)
T.H.D.	≤0.3%
S/N Ratio	>70dB
Connector	One RJ45 port, one line input, one line output, one mic input, one USB input
Working temp	-5 °C~ +40°C
Humidity	10% ~ 90%
Power Consumption	≤10W
Power Supply	DC 12V
Dimensions	250x163x42mm
Weight	2.2Kg

## IP Audio Encoder IP-600ED



- The single channel IP network audio encoder with 3 program zone outputs.
- Encode analog audio sources over network transmission.
- Simple IP network audio system by IP encoder & IP decoder.
- Compatible with IP-600 range all IP decoder, IP amplifiers & IP speakers.
- 3 zones output could be assigned to broadcast the encoding sources.
- By connection analog CD/Mp3/Radio player to IP-600ED to encode into digital audio signal to be broadcasted to all IP amplifiers and IP speakers.
- The system could be set up over existing network, non dedicated network is needed.
- System capacity of 6000 IP encoder online simultaneously.
- Support LAN/WAN and Internet network.
- Network data delay of less than 30 milliseconds.
- Remote status and volume management from server.

Model	IP-600ED
Description	IP Audio Encoder
Power Supply	5V-12V DC
Power Consumption	2W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Format	Mp2, Mp3, PCM, ADPCM
Audio Sampling	8KHz-44.1 KHz, 16 bits, 8K-320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Data Delay	30 milliseconds
Connector	One stereo aux input, one RJ45 input, one config terminal input, one DC power supply input
Working Temperature	-5 to +40
Humidity	10% ~ 90 %
Dimensions	195x120x40mm
Weight	1.4kg

## 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

Model	IP-600POE
Description	IP POE Ceiling Speaker
Power Output	6 Watts / 30W Watts
Built-in Amplifier	30 Watts
Speaker Unit	5" full range
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°C
Dimension	210(D)×100(H)mm Cutout:190mm
Bracket	No
Cutout Size	ABS white
Weight	1.2kg

## 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
- Max 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, 10W-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 POE 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-601POE
Description	IP POE Wall Mount Speaker
Power Output	10 Watts / 15W Watts
Built-in Amplifier	15 Watts
Speaker Unit	5" woofer + 1.5" tweeter
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°C
Dimension	275(W)×100(D)×170(H)mm
Bracket	U-Shaped wall mount bracket
Cutout Size	ABS cabinet and steel grille
Weight	2.5kg



## Outdoor IP Speaker IP-603POE



- POE (Power over Ethernet) supportable all in one network audio system
- All in one outdoor IP speaker includes IP streaming, IP decoder, amplifier and speaker.
- Outdoor IP horn speaker support POE network or non-POE network system.
- 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 based POE powered 15 Watt/30 Watt outdoor horn speaker
- Built-in IP streaming module, 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 POE speakers
- Paging prioritization and background music system
- Network adjustable speaker volume
- Closed contact input & Closed contact output for third party integration
- DC12V power supply input as standby use

Model	IP-603POE
Description	Outdoor IP Speaker
Power Output	15 Watt & 30W Watt (1KHz@-3dB)
Built-in Amplifier	Class-D technology
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°C to +55°C
Dimension	285(W)×280(D)×205(H)mm
Bracket	Stainless mounting U-shaped bracket is supplied
Material	Aluminum body and grille in white
Weight	2kg

## Outdoor IP Speaker IP-630A



- IP outdoor speaker for outdoor IP sound application
- Ideal for park, garden, playground, parking outdoor sound system.
- IP speaker with IP streaming, class-d amplifier and two way speaker.
- All metal extruded aluminum alloy enclosure with cast aluminium top and bottom plates.
- Full dust free and waterproof IP65 rated, suitable for in/outdoor use.
- Support to work with exiting LAN/WAN/Internet network.
- Two models of 30W RMS.
- Support protocols of UDP, TCP/IP, IGMP.
- Standard Rj45 network port.
- Easy and secure installation through the supplied strong metal mounting brackets.
- Interface to integrate CCTV, fire alarm, door access and third party system
- By using IP microphone IP-600TM enable to paging to individual IP speaker or group or all speakers.
- By using software to creat different groups of flexible operation.
- By using server software enable to control different program and volume in remote place.
- By using server software enable to timely broadcast scheduled multiple programs automatically.
- Simple system configuration by server software, IP microphone and IP speaker to set up one IP music and paging sound system.
- Minimum system upgrade cost by add more IP system without exiting system layout change.

Model	IP-630A
Description	Outdoor IP Speaker
Network port	standard Rj45
Support protocols	UDP, TCP/IP, IGMP
Sampling rate	8K-48KHz
Audio format	MP3/MP2
Transmission rate	100Mbps
Audio quality	16 digit, CD grade timbre
Frequency response	80Hz~16KHz
T.H.D	≤1%
S/N	>70dB
Woofer unit	6.5" x1
Tweeter unit	1.5"x1
Power supply	AC220V ± 10% 50-60Hz
Dimension	190x175x320mm

## IP Wall Mount Speaker 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.

Model	IP-650A
Description	IP 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°C ~40°C
Humidity	20%~80%
Power Consumption&, It., /SPAN>	≤70W
Power Supply	~110V/60Hz or ~230V/50Hz
Dimensions	245x162x182mm
Weight	2.48Kg

## IP Speaker IP-610A



- P 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 10W+10W amplifier and a 10W 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

Model	IP-610A
Description	IP 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, 10W + 10W 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°C ~40°C
Humidity	20%~80%
Power Consumption&, It., /SPAN>	≤70W
Power Supply	~110V/60Hz or ~230V/50Hz
Dimensions	245x162x182mm
Weight	2.48Kg

## IP-601AMP IP Decoder with Amplifier (2×15 Watt/8 Ohm & 100V)



- IP audio decoder with amplifier
- IP public address system over LAN/WAN or Internet.
- Built-in 2×10 Watt 8 Ohm & 100V Amplifier.
- Support 8 Ohm speaker(10W+10W) and 100V speaker (20W) both.
- With USB input, microphone input and line input and one line output.
- Live or pre-recorded announcement over IP.
- Scheduled announcement over IP.
- Remote volume control and program via software
- IP microphone IP-600TM enables to talk to each zone, multiple zone & all zone over IP.

Model	IP-601AMP
Description	IP Decoder with Amplifier
Rated Power Output	2×10 Watt 8 Ohm 20 Watt 100V
Protocol Support	TCP/IP, UDP, GMP, ARP, UDP
Transmit Speed	10/100Mbps
Audio Format	16 digit stereo CD tone
Frequency Response	20Hz~16KHz
THD	≤0.3%
S/N Ratio	≥85dB
Connector	One RJ45 port, USB/Mic/line input and line output
Speaker Output	8 Ohm & 100V
Working Temperature	-10°C to +60°C
Humidity	10% ~ 90%
Power Consumption	60W
Power Supply	24V DC, supplied with AC to DC adapter
Dimensions	250x163x42mm
Weight	2.5kg

## IP-602AMP IP Decoder with Amplifier (2×15 Watt/8 Ohm & 100V)



- IP audio decoder with amplifier.
- IP public address system over LAN/WAN or Internet.
- Built-in 2×10 Watt 8 Ohm & 100V Amplifier.
- Support 8 Ohm speaker(10W+10W) and 100V speaker (20W) both.
- With USB input, microphone input and line input and one line output.
- With LCD screen & remote control for volume control and music selection
- Live or pre-recorded announcement over IP.
- Scheduled announcement over IP.
- Remote volume control and program via software.
- IP microphone IP-600TM enables to talk to each zone, multiple zone & all zone over IP.

Model	IP-602AMP
Description	IP Decoder with Amplifier
Rated Power Output	2×10 Watt 8 Ohm & 20 Watt 100V
Protocol Support	TCP/IP, UDP, GMP, ARP, UDP
Transmit Speed	10/100Mbps
Audio Format	16 digit stereo CD tone
Frequency Response	20Hz~16KHz
THD	≤0.3%
S/N Ratio	≥85dB
Connector	One RJ45 port, USB/Mic/line input and line output
Speaker Output	8 Ohm & 100V
Working Temperature	-10°C to +60°C
Humidity	10% ~ 90%
Power Consumption	60W
Power Supply	24V DC, supplied with AC to DC adapter
Dimensions	250x163x42mm
Weight	2.5kg

## IP Decoder with Amplifier IP-604AMP



- IP network amplifier with audio decoder.
- IP audio streaming with decoder and amplifier.
- Huge system capacity of 6,000 zones paging and multiple BGM system.
- IP based public address system over LAN/WAN or Internet.
- Minimum cable connection by using existing network framework.
- Ideal for school, office, restaurant and fitness center multiple room IP PA sound system.
- IP audio decoder built-in 2×15 Watt/8 Ohm Amplifier.
- One microphone input and one line input and one line output.
- Enable to broadcast Mp3 program or pre-recorded voice message from PC server to IP amplifier.
- Remote volume control and program control from server room.
- Timely broadcast ring bell or pre-recorded message to pre-set zones.
- IP network remote microphone IP-600TM enables to talk to each zone or amplifier over network.
- Simple system configuration by system server software IP-600SF, IP remote microphone IP-600TM & IP network amplifier to set up IP audio system.

Model	IP-604AMP
Description	IP Audio Decoder with Amplifier
Rated Power Output	2×15 Watt/8 Ohm
Protocol Support	TCP/IP, UDP, IGMP, ARP, UDP
Transmit Speed	10/100Mbps
Audio Format	16 digit stereo CD tone
Frequency Response	20Hz~16KHz
THD	≤0.3%
S/N Ratio	≥85dB
Connector	One RJ45 port, one mic input and one line input and one line output
Speaker Output	8 Ohm
Working Temperature	-5 to +40
Humidity	10% ~ 90%
Power Consumption	60W
Power Supply	12V-24V DC, supplied with AC to DC adapter
Dimensions	180x250x50mm
Weight	1.5kg

## IP Decoder with Amplifier IP-603AMP



- IP network amplifier with audio decoder.
- IP audio streaming with decoder and amplifier.
- Huge system capacity of 6,000 zones paging and multiple BGM system.
- IP based public address system over LAN/WAN or Internet.
- Minimum cable connection by using existing network framework.
- Ideal for school, office, restaurant and fitness center multiple room IP PA sound system.
- IP audio decoder built-in 2×15 Watt/8 Ohm Amplifier.
- One microphone input and one line input and one line output.
- Enable to broadcast Mp3 program or pre-recorded voice message from PC server to IP amplifier.
- Remote volume control and program control from server room.
- Timely broadcast ring bell or pre-recorded message to pre-set zones.
- IP network remote microphone IP-600TM enables to talk to each zone or amplifier over network.
- Simple system configuration by system server software IP-600SF, IP remote microphone IP-600TM & IP network amplifier to set up IP audio system.

Model	IP-603AMP
Description	IP Audio Decoder with Amplifier
Rated Power Output	2×15 Watt/8 Ohm
Protocol Support	TCP/IP, UDP, IGMP, ARP, UDP
Transmit Speed	10/100Mbps
Audio Format	16 digit stereo CD tone
Frequency Response	20Hz~16KHz
THD	≤0.3%
S/N Ratio	≥85dB
Connector	One RJ45 port, one mic input and one line input and one line output
Speaker Output	8 Ohm
Working Temperature	-5 to +40
Humidity	10% ~ 90%
Power Consumption	60W
Power Supply	12V-24V DC, supplied with AC to DC adapter
Dimensions	180x250x50mm
Weight	1.5kg

## IP Amplifier

IP-6120

IP-6240

IP-6350

IP-6500

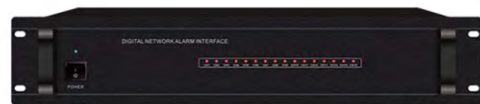


- IP network amplifier with audio decoder.
- Simple system configuration by system server, paging microphone & IP network amplifier to set up IP audio system. Huge system capacity of 6,000 zones paging and multiple BGM system.
- IP based public address system over LAN/WAN or Internet.
- Minimum cable connection by using existing network framework. Nondedicated network audio system solution.
- Economy network PA system for multiple room and multiple program applications. Ideal for school, office, restaurant and fitness center IP PA sound system.
- IP network decoder built-in 100V/8 Ohm Amplifier. Rated power output of 120W. Three microphone inputs and two line inputs and one line output.
- Enable to broadcast Mp3 program or pre-recorded voice message from PC server to IP amplifier. Remote volume control and program control from server room.
- Timely broadcast ring bell or pre-recorded message to pre-set zones.
- IP remote paging microphone enables to talk to each speaker zone or amplifier over network.

Model	IP-6060	IP-6120	IP-6240	IP-6350
Description	IP Network Amplifier			
Rated Power Output	60W	120W	240W	350W
Protocol Support	TCP/IP, UDP, IGMP (group broadcasting)			
Transmit Speed	10/100Mbps			
Audio Format	16 digit stereo CD tone			
Frequency Response	20Hz~16KHz			
THD	≤0.3%			
S/N Ratio	≥85dB			
Connector	One RJ45 port, three mic inputs and two line input and one line output			
Speaker Output	100V/70V & 8 Ohm			
Working Temp	-5°C to +40°C			
Humidity	10% ~ 90%			
Power Consumption	95W	175W	350W	485W
Power Supply	AC220V, 50-60Hz			
Dimensions	484x366x88mm			
Weight	10.5kg	11.5kg	13.8kg	14.5kg

## IP Network Fire Alarm Panel (16 Zone)

IP-600FA



- 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 16 speaker zones.
- The fire alarm panel capable for both IP network PA and intercom system.
- Each IP PA system supports more than 40 units working together for more than 600 speaker zones. IP voice alarm system could be built-up over existing LAN network, non-dedicated network is needed.

Model	IP-600FA
Description	IP Network Fire Alarm Panel
Power Supply	AC220V or 240V, 50-60Hz
Power Consumption	1W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-48KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Data Delay	50 milliseconds
Built-in Speaker	3W
Connector	One RJ45 port for LAN, 16 contact inputs and four contact outputs
Dimensions	485(W)×355(D)×90(H)mm
Weight	6.2Kg

## IP Decoder

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 Decoder
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

## 4 Channel IP Decoder

IP-604NA



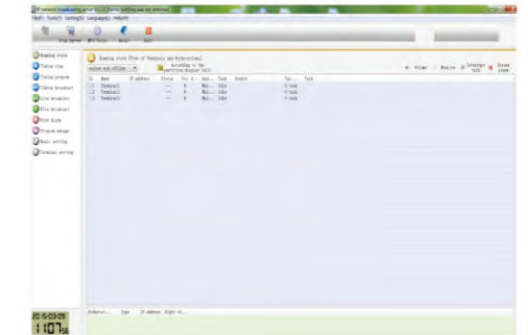
- The four channel IP network pre amplifier.
- The IP network pre-amplifier with four separate decoders.
- Four IP program simultaneously broadcast without interference.
- It is high capacity but cost-effective multiple room network sound system.
- The system could be set up over existing network, non dedicated network is needed. System capacity of 6000 IP decoder online simultaneously.
- Eight zone contact outputs for zone status monitoring. Support LAN/WAN and Internet network.
- Network data delay of less than 30 milliseconds.
- Remote volume control and program edit from server.
- Remote paging system by work with IP-600TM IP remote microphone.

Model	IP-604NA
Description	Four Channel IP Decoder
Power Supply	AC230V, 50-60Hz
Power Consumption	30W
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	30 milliseconds
Connector	four aux inputs, four aux outputs, four RJ45 inputs, one 100V power input
Working Temperature	-5 to +40
Humidity	10% ~ 90%
Dimensions	484×365×88mm
Weight	6.8kg

<p><b>IP Network Audio System Software IP-8000SF</b></p> <p>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.</p> 	<p><b>IP Network Remote Microphone IP-8000TM</b></p> <p>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.</p> 	<p><b>IP Network Audio Decoder IP-8000NA</b></p> <p>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.</p> <p>Ideal for old PA system upgrade by using exiting amplifier and speakers. Useful for big scale single zone multiple loudspeakers system.</p> 
<p><b>IP Network 8 Zone Audio Decoder IP-8000DA</b></p> <p>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.</p> <p>Ideal for old PA system upgrade by using exiting amplifier and speakers. Useful for multiple zones multiple loudspeakers system.</p> 	<p><b>IP Network 20W Wall Amplifier IP-8000AM</b></p> <p>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.</p> <p>Ideal for multiple room sound system like fitness center, SPA, classroom, office, hospital &amp; prison.</p> 	<p><b>IP Network 60W PA Amplifier IP-8000PA</b></p> <p>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.</p> <p>Ideal for multiple floor &amp; zone sound system like campus, train station, airport, hotel, shopping mall, office and factory.</p> 
<p><b>IP Network 20W Wall Amplifier IP-8000AP</b></p> <p>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 &amp; IR Remote Control.</p> <p>Ideal for multiple room sound system like fitness center, SPA, classroom, office, hospital and prison.</p> 	<p><b>IP Network 120W PA Amplifier IP-8120</b></p> <p>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</p> <p>Ideal for multiple floor &amp; zone sound system like campus, train station, airport, hotel, shopping mall, office and factory.</p> 	<p><b>IP Network 240W PA Amplifier IP-8240</b></p> <p>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</p> <p>Ideal for multiple floor &amp; zone sound system like campus, train station, airport, hotel, shopping mall, office and factory.</p> 
<p><b>IP Active Outdoor Column Speaker IP-8030CS</b></p> <p>IP based active outdoor mount speaker, built-in class-D amplifier, built-in decoder, DC 24V power supply.</p> <p>Ideal for multiple room sound system like parking, zoom, park, garden, swimming pool, resort and walk street.</p> 	<p><b>IP Fire Alarm &amp; Voice Evacuation Panel IP-8000FA</b></p> <p>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.</p> 	<p><b>IP Network Telephone Paging Interface IP-8000PABX</b></p> <p>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.</p> 

**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-8000TM**

- Professional console design, high-grade aluminum alloy shell, sturdy and durable.
- Equipped with 7" digital TFT true color LCD display & capacitive touch screen (resolution: 1280×800).
- Built-in 3W loudspeaker and unidirectional condenser microphone for two-way hands-free intercom, receiving paging broadcasting and audio monitoring.
- Support paging broadcasting to all zones, part zones or specific front-end device.
- Support file broadcasting and playing pre-recorded voice messages to specific or multiple zones.
- Equipped with red emergency button, support one-touch emergency broadcasting to preset zones.
- Support CID (Caller Identification), available to display the caller name of the incoming & outgoing calls for identification.
- Support playing audio file in the USB flash disk to the front-end device.
- Compatible with FTP (File Transfer Protocol), available for the storage of audio files, ringtones,
- configuration information and backup file, support remote modification and firmware remote upgrade.



Model	IP-8000TM
Description	IP Network Remote Microphone
Power Supply	DC24V/1A
Power Consumption	≤4W
Network Protocol	TCP/IP,UDP,ARP,ICMP,IGMP,HTTP,FTP
Network Speak	10/100Mbps
Audio Format	WAV
Audio Sampling	8khz-44.1khz , 16bit , 8kbps-320kbps
S/N Ratio	≥80dB ( AWeighted )
Frequency Response	100Hz-18kHz
Date Delay	100 milli seconds
Display	TFT 7"LCD 800*480
Connector	1xPower Port, 1xRJ45, 1x3.5mm TRS Mic Input, 1x3.5mm TRS Headphone Output, 1x3.5mm TRS Line Input, 1x3.5mm TRS Line Output, 1xRelay Input, 1xRelay Output, 1xUSB 2.0 Port, 1xMicro SD Card Port
Dimension	254x134x55mm , 1.3kg

## IP Network 8 Zone Audio Decoder IP-8000DA



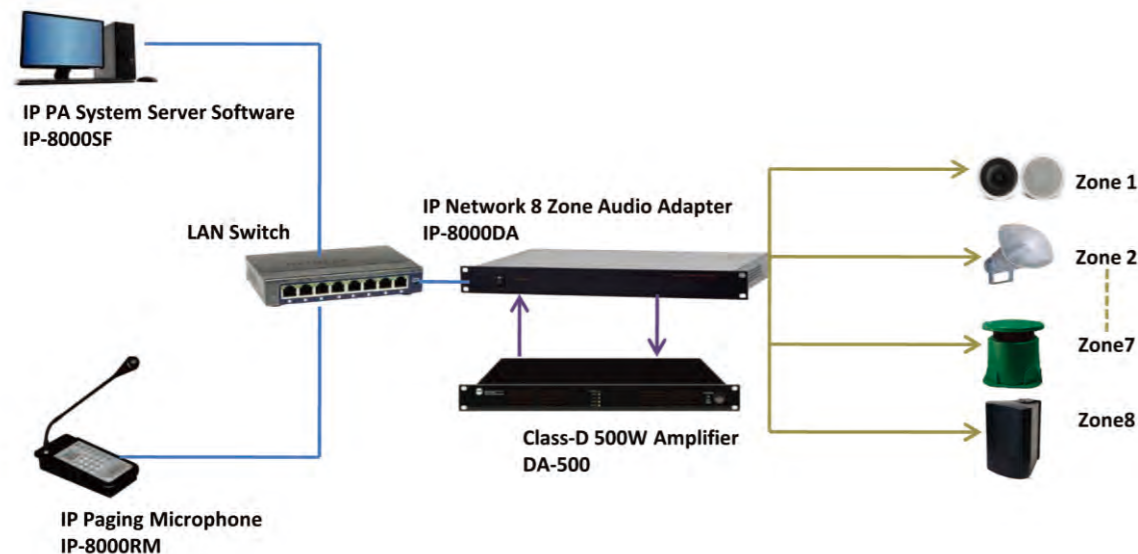
- The IP network 8 zone audio adapter is the head of IP PA system.
- The IP network decoder is built-in 8 zone speaker selector.
- The IP network 8 zone decoder can split one PA 100 volt amplifier into 8 speaker zones.
- It is high capacity but cost-effective multiple room network sound system.
- The system could be set up over existing 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 Audio Decoder 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 Decoder	IP Network Audio Decoder
Power Supply	AC230V OR 110V	
Power Consumption	10W	
Network Protocol	TCP, UDP, ARP, ICMP, IGMP	
Network Speed	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	



- 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
- Option 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-site 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

- 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-8060 (60W)**

**IP-8120 (120W)**

**IP-8240 (240W)**



Model	IP-8060	IP-8120	IP-8240
Description	IP Network PA Amplifier		
Rated Power Output	60W	120W	240W
Power Supply	100-240V,50/60HZ		
Power Consumption	80W	150W	300W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP		
Network Chip Speed	10/100Mbps		
Audio Format	Mp2/Mp3/PCM/ADPCM		
Audio Sampling	MP3/PCM/ADPCM/G711.a/G77.u/G729		
Speaker Output	100V speaker output by screw terminal		
S/N Ratio	>90dB		
Frequency Response	60Hz-16KHz		
Date Delay	<100ms		
Temperature an humidity	-10°C~+50°C, ≤90%RH(no frost)		
Dimension	440(W)x300(D)x44(H)mm		

## Feature:

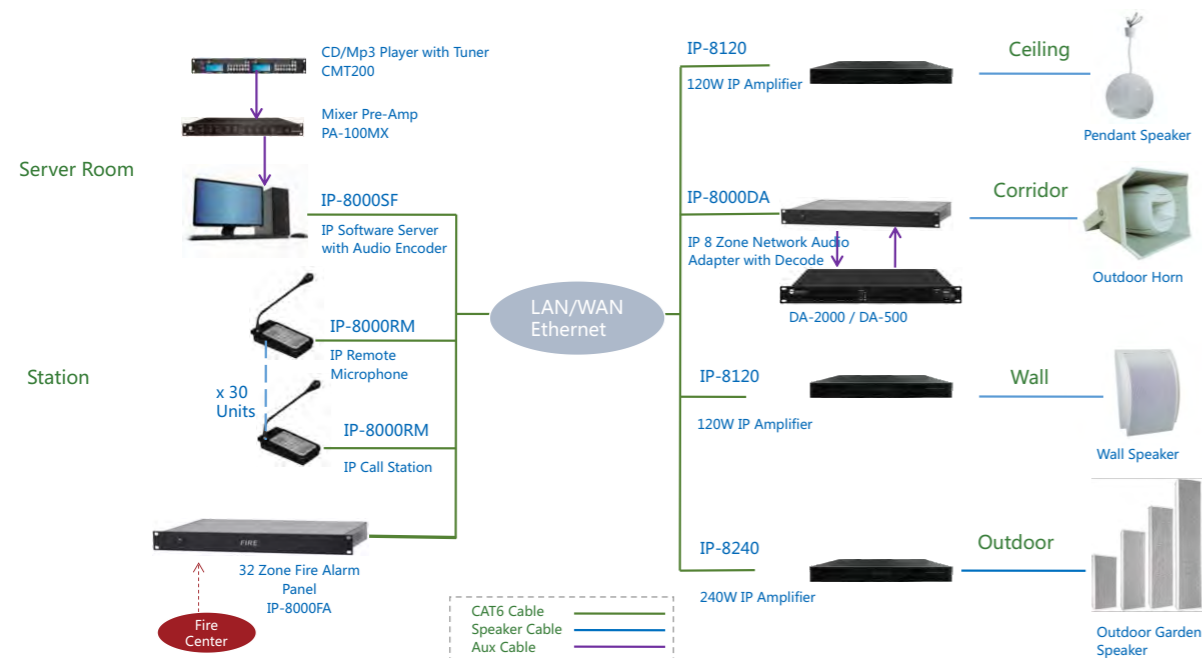
- The IP network speaker is built-in network audio adapter, built-in 30W Class-D amplifier.
- The weatherproof active column speaker is ideal for playground, park, garden, factory, train station and airport outdoor area PA system, background music system, paging system and voice alarm system use.
- The 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.

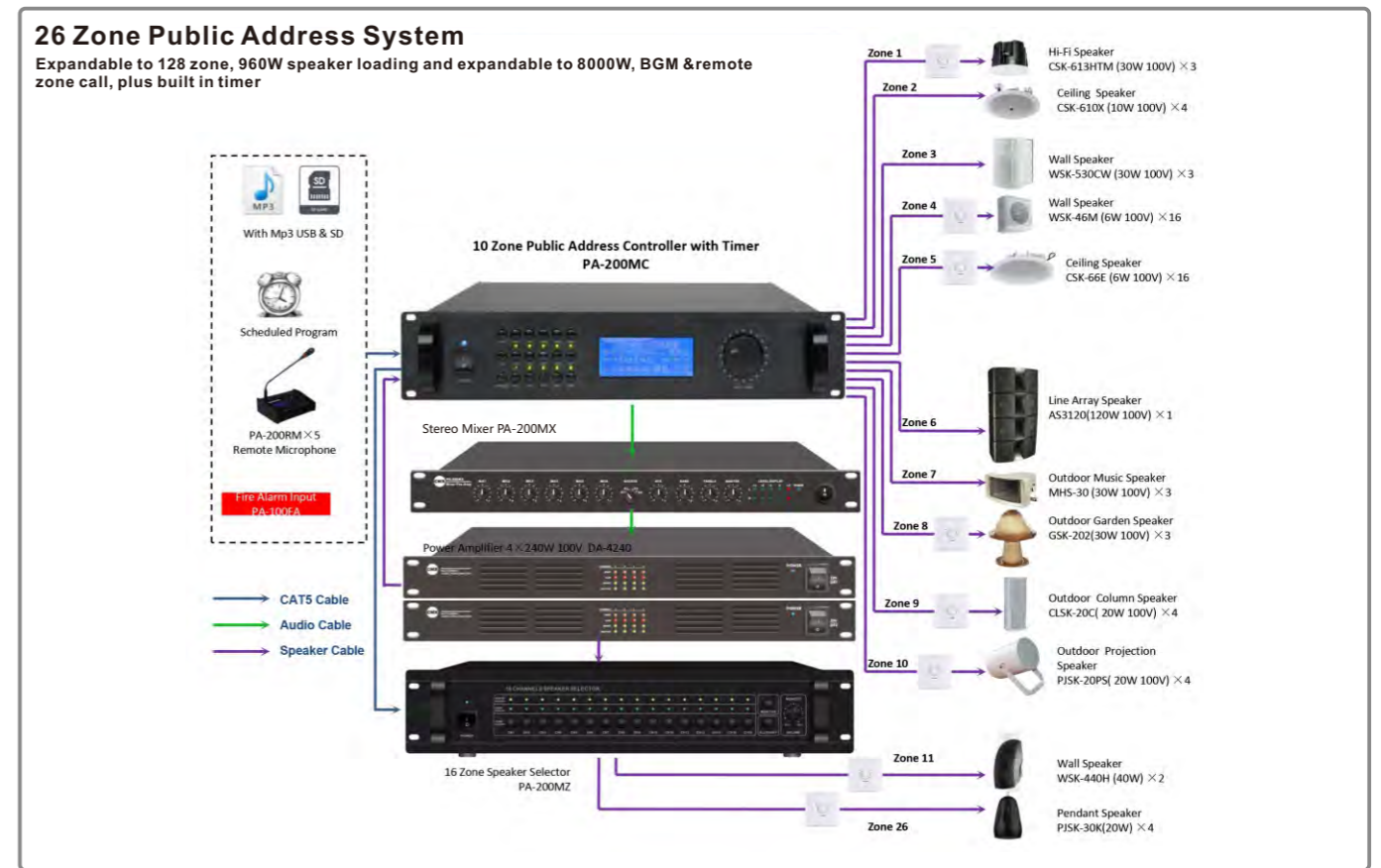
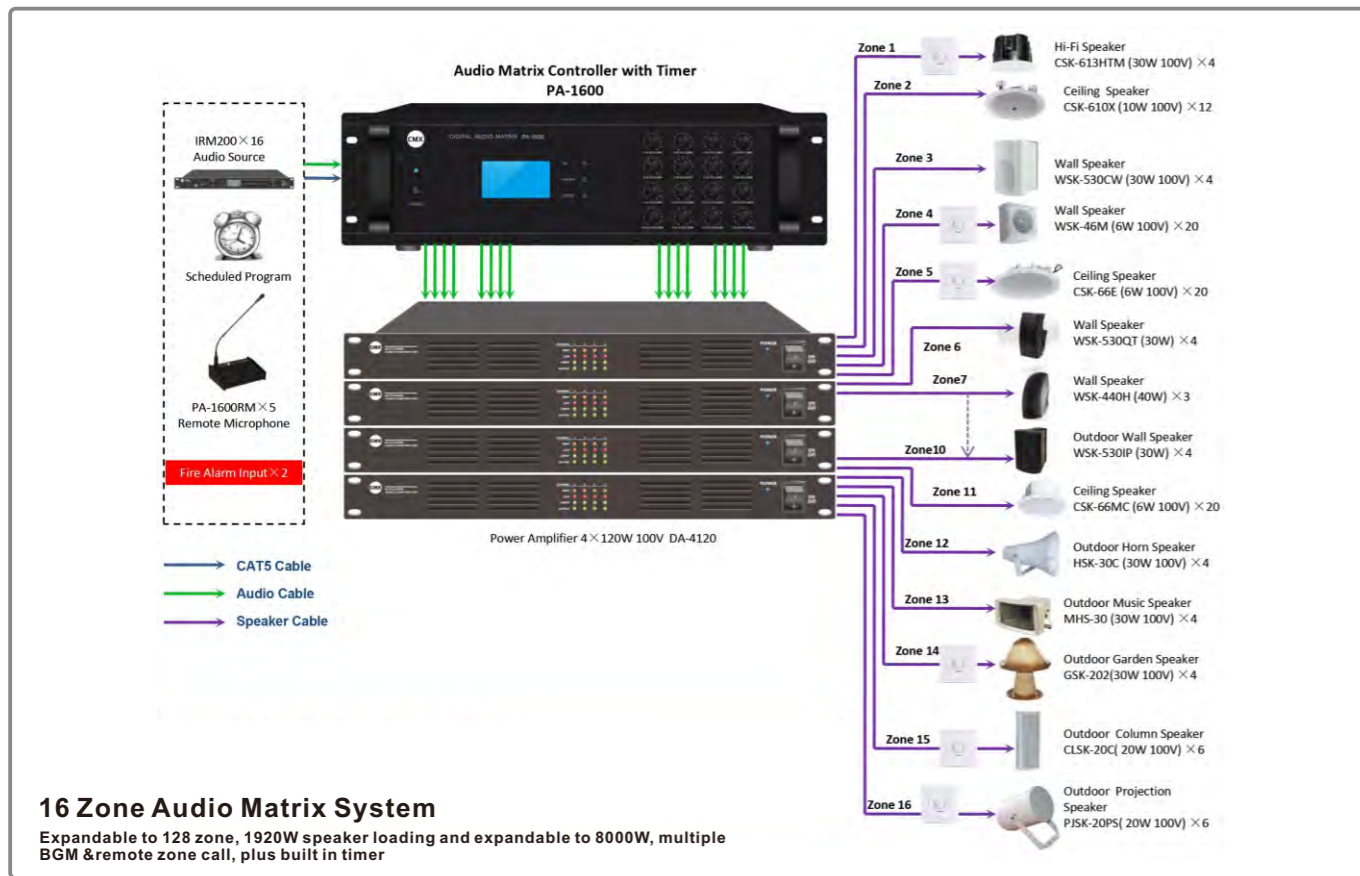
## IP Fire Alarm & Voice Evacuation Panel

**IP-8000FA**



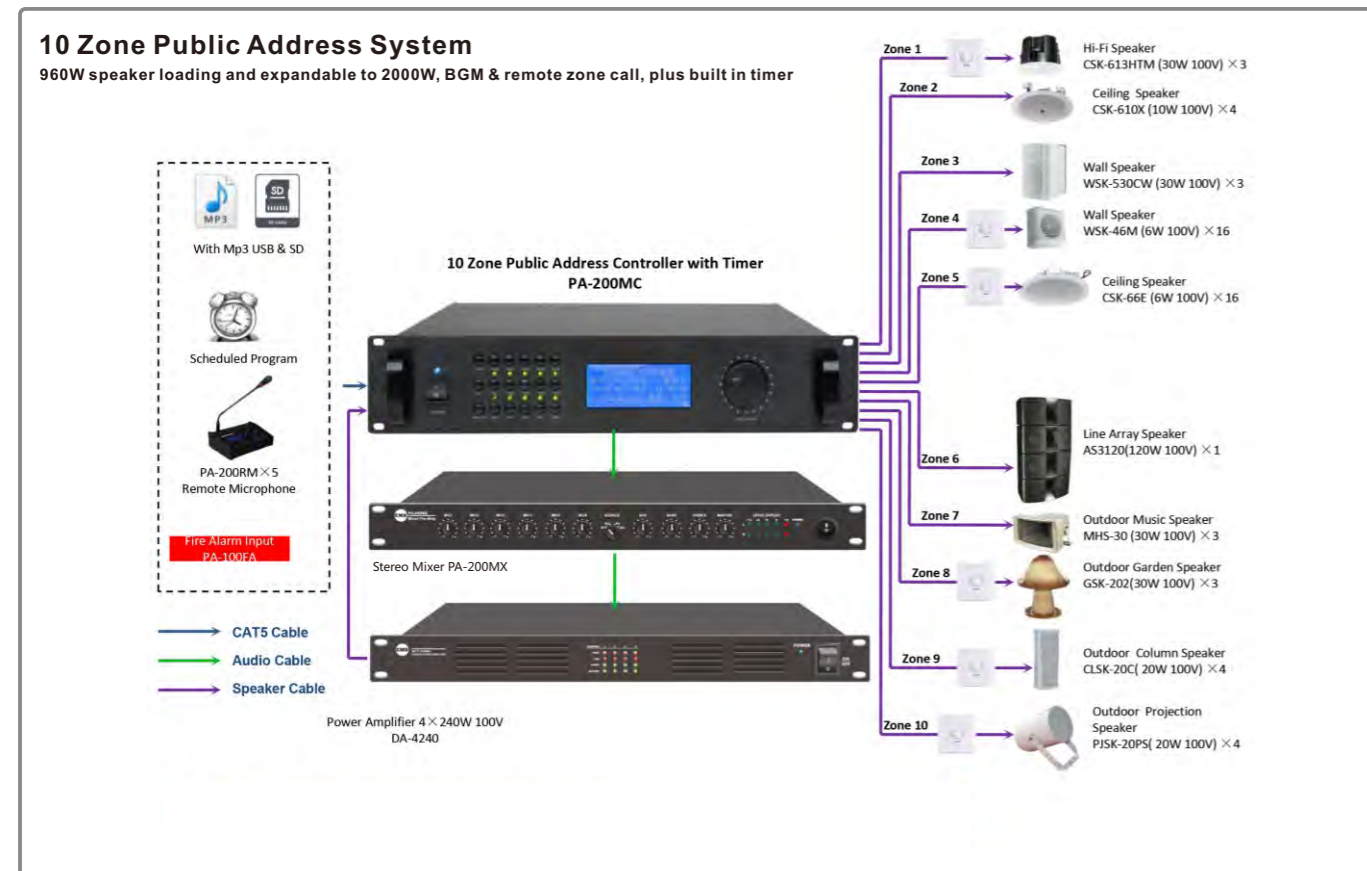
## Specifications:

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

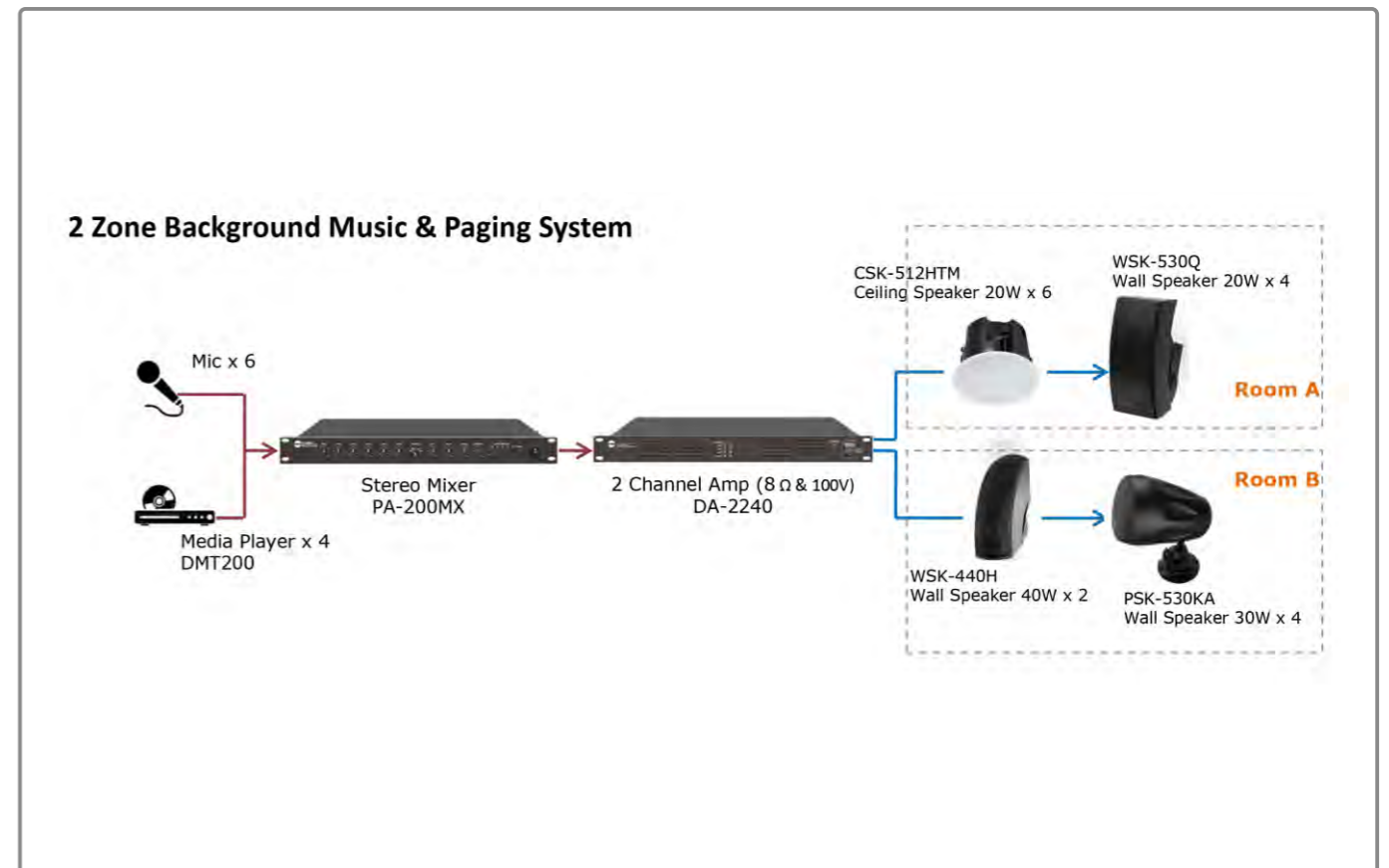


## 10 Zone Public Address System

960W speaker loading and expandable to 2000W, BGM & remote zone call, plus built in timer



## 2 Zone Background Music & Paging System



## Intelligent 32 Channel Audio Matrix Controller PA-1600C



- 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 sound system include 32 channel audio matrix, Mp3 player & USB, 16 zone remote paging system, fire alarm & voice evacuation system interface, weekly scheduled timer and power sequencer.
- 32 Channel audio matrix controller with 8 channel inputs and 32 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, 32 zone speaker selector
- Mp3 player, remote 16 zone paging controller, fire alarm and voice evacuation system interface and programmable power sequencer.

Model	PA-1600C
Description	Intelligent 32 Channel Audio Matrix Controller
Channel	8 channel inputs and 32 channel outputs
Max Capacity	128 zones by cascaded 8 units together
Mp3 Store Mode	SD card/U disk
Mp3 Store File	Support FAT16 ,FAT32
Audio Output	1KΩ /1V inbalance
Alarm	Alarm input: 0V, closed circuit contact Alarm output, 0V, closed circuit contact
Communication interface/protocol/connection	RJ45/RS485/RS232
Frequency Response	30-20KHz (±1dB)
Control	32 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)×390(D)×133(H)mm
Net Weight	6.9kg
Packaging	485(W)×357(D)×132(H)mm
Gross Weight	7.5kg

## 10 Zone PA System Controller With MP3 PA-200MC



- 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 1 spare program for emergency/particular circumstance.
- Functional swift key for internal MP3 player priority manual broadcast.
- Zone1-10 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.

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 program switch, 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 Input and Output	Integrated Terminal Block, 0V(Short Circuit) Industrial Standard
100V Input	Integrated Terminal 5 Channels: CHA CHB CHC CHD CHE
Amplifier Input and Output	0.5W
Monitor Power of Speaker	-∞~0dB
Monitor Volume Attenuator	24 hours(hour-minutes-seconds) weekly
Time Mode	Total 5pcs(4 normal programs, 1EMC)
Program Quantity	Total 512 Steps, 1 day 200 Steps
Program Steps	Rs422
Communication Protocols	RS485 and Rs232
Communication Port	Two RJ45 ports for remote microphone, one RS232 port for PC
Communication Speed	4800bps
MP3 Frequency Response	20Hz~20KHz/ 1dB
Mp3 Store Format	Compatible FAT12, FAT16, FAT32
Power Supply	~110V/60Hz or ~230V/50Hz
Dimensions	484x303x88mm
Weight	6.8kg

## Remote Microphone PA-1600RM



- The 32 zone remote microphone for remote paging use.
- Paging modes of separate zone, group zone and all zones remote paging.
- System capacity of 5 remote paging microphone working at the same time.
- Work together with PA-1600MC matrix paging controller.
- High sensitivity condenser microphone of chime and mute features.
- Audio signals using high-quality balanced transmission technology.
- Audio signals and control signals using real-time transmission technology.
- External 24V DC input connector.

## Remote Microphone PA-100RM PA-200RM



- The 16 zone remote microphone for remote announcement use.
- Paging modes of separate zone, group zone and all zones remote paging.
- System capacity of 5 remote paging microphones working at the same time.
- Work together with zone paging controller PA-200PS.
- Use multiple number buttons to paging more than 320 zones.
- High sensitivity condenser microphone of chime and mute features.
- Audio signals using high-quality balanced transmission technology.
- Audio signals and control signals using real-time transmission technology.
- External 24V DC input connector.

## 10 Zone Speaker Selector PA-100KS

- Public Address System 10 Zone Speaker Selector.
- 19" rack mount type with mounting handheld.
- Main equipment of multiple zone PA sound system.
- 10 zone capacity,expandable up to 128 units by cascaded more units together.
- Each 10 zone with working indicator and selective buttons.
- With all zone on/off button for easy operation.
- 4 line inputs and 4 EMC inputs, built-in 5W monitor speaker.
- Capacity to divide one amplifier into 10 zone for separate control.
- Black finish of aluminum front panel.



## 10 Zone Paging Selector PA-100PS

- The paging selector is used to connect with remote paging microphone.
- It is the bridge of controller and microphone.
- Up to 10 remote paging microphone can be connected to page sub areas.
- With emergency microphone input.
- With 10 zone and all zone front panel selector.
- No.1 remote microphone has the absolute priority.
- Real time indicator display enables clear understanding of the status at a glance.



## 10 Inputs Pre-Amplifier PA-100PR

- Public address system signal processing equipment.
- 19" rack mount mixer pre-amplifier for rack installation.
- 10 inputs pre-amplifier for PA system.
- Direct connect with power amplifier and audio source player.
- 5 microphone inputs,3 auxiliary inputs,2 priority EMC inputs and 2 outputs.
- Microphone 1 with VOX muting function.
- Individual volume control for microphone and aux input.
- Bass and Treble tone control.
- With 10 output level meter to indicate the output level.
- Built-in siren and chime.





## Voice Evacuation & Fire Alarm Panel with Recorder PA-100FA

- Automatically broadcast voice alarm message after trigger by fire system.
- Built-in voice recorder and fire alarm generator.
- The recorder available through external microphone and external line.
- The recorder with start, stop and play functions.
- The system with siren, play, record and off selective knob.
- One voice alarm input and one alarm output by phone jack type.
- One microphone input and one line input by phone jack type
- 1 minute of digital customized voice evacuation message to the built-in memory IC.
- With record volume and alarm output volume attenuator by protective knobs.
- With Fire, start, stop and powerworking status indicators.



## 8 Channel Pre-Amplifier PA-200PR

- Public address system signal processing equipment.
- 19" rack mount mixer pre-amplifier for rack installation.
- 8 separate channel inputs pre-amplifier or mixer.
- 8 separate output with individual attenuator.
- 8 channel audio matrix processor built-in.
- With fireman microphone input for emergency announcement.
- With EMC input to inter-work with fire alarm panel.



## Ten Channel Stereo Mixer PA-200MX

- 10 channel inputs pre-amplifier or stereo mixer.
- Ideal for PA system & conference system sound system both.
- MIC1-6 balanced XLR with 48V phantom power & line/mic switch.
- Aux1-4 input of RCA, EMC input of highest priority.
- Balanced XLR stereo output and RCA PRE-OUT.
- 24V DC & AC110-220V.



## Signal Distributor/Signal Splitter PA-100ST

- Used as a 6-way stereo splitter or 12-way mono splitter
- Ideal for multiple-zone & multiple amplifier applications
- 2 balanced XLR line inputs and 12 balanced XLR line outputs
- Up to 12 outputs from 1 or 2 inputs
- Separate volume control for each 12 outputs.
- Separate output signal indicators.
- With mono/stereo output selector
- 19" rack mount design of 1U height



## 8 Zone Weekly Timer with Mp3 & FM PA-400U

- PA system controller built in weekly timer, 8 zone speaker selector, Mp3 player & FM, fire alarm and voice evacuation system interface, monitor and programmable power sequencer.
- One amplifier or 4 amp inputs divided into 8 zones speaker output.
- Built-in 5W hi-fi monitor speaker with volume control.
- With one microphone input, one line input, one USB input and one EMC input and two line outputs
- Auto timely broadcast up to 99 program sources.
- Broadcast modes: random, repeat and circle.
- Flash memory capacity support 4GB and 8GB.



## 10 Channel Monitor Panel PA-100MP

- Public address system monitor panel.
- Design with 10 channel inputs.
- Built-in 5W @8Ω monitor speaker
- Built-in monitor speaker to listen and monitor the system output.
- The monitor speaker with adjustable volume control.
- A five-element LED level meter is provided.
- With 10 channel selector to choose the supervised output channel.



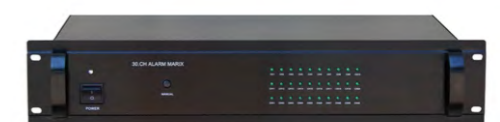
## 5 Channel Amplifier Failure Changeover PA-100AC

- Four channels amplifier failure changeover
- Automatically switch into standby amplifier when main amplifier fails.
- One standby amplifier use to backup 5 main amplifiers.
- Switching M/S Amplifiers automatically when one becomes fail.
- 5 individual channels with Auto checking & switching function.
- Manual switching function available.
- Status indicator visually for main amplifier and standby amplifier.



## 30 Channel Fire Alarm Matrix PA-100FM

- The Alarm Matrix connects between a facility's fire alarm system and public address system, with support for up to 30 zones, any zone that has a fire alarm will force adjacent zones into an emergency situation warning personnel to evacuate.
- Voice alarm & voice evacuation panel in case of fire emergency.
- 30 voice evacuation message matrix broadcasting to different zones.
- Voice alarm & voice evacuation system controller.
- 30 shorted signal inputs for fire alarm, 3 groups of 10 channel shorted signal outputs for fire alarm.
- N±4 adjacent fire alarm zone range.
- Short circuit contact signal to activate the fire alarm.
- 30 zone expandable to more than 300 zones.



## DVD Player with Mp3 Player & USB PA-100DM

- 19" rack mount type CD/DVD player with Mp3& USB
- Audio Source player for public address system & BGM
- Support various formats of CD/MP3/MP4/VCD/DVD player.
- With digital VFD display track and time.
- With IR wireless remote control to select source and volume control.
- Design with ESS decoding system of powerful error correction.
- With stereo line input and video input by RCA
- With stereo line output and video output by RCA
- After the POWER ON it will play in order automatically
- 1.5U height for rack installation audio sources player



## DVD Player with USB/FM/Bluetooth DMT200

- 19" rack mount CD/DVD player with two USB & FM & Bluetooth
- Audio Source player for public address system & BGM
- Support various formats of CD/MP3/MP4/VCD/DVD/FM & blue tooth.
- With IR wireless remote control to select source and volume control.
- With two separate stereo line outputs for DVD/USB1 and FM USB2
- With stereo DVD output and coaxial output



## AM / FM Tuner with USB DAU200

- 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
- Manual/automatic tuning
- RCA audio output jacks
- Frequency Response 20Hz 20KHz
- Freq range MW 522Kz-1620KHz
- FM 87MHz-108MHz



## DAB + FM/Bluetooth/USB DAB200

- Digital audio sources player
- Wireless receiver DAB+/FM/Bluetooth
- Supports removable USB Flash Drive up to 32GB
- LCD display for excellent visibility in any lighting scenario
- Sound level control and 1/4" headphone jack
- RCA Stereo audio output and 1/4" auxiliary input
- Slim 1RU chassis of 19" rack mount design
- Frequency range DAB+:174-240MHz FM:87.5-108MHz
- 110V-240V compatible
- 2 alarm storage spaces with independent alarm modes (radio/alarm tone)



## Audio Recorder with USB TF Bluetooth BMR200

- 19" rack mount audio recorder with two USB, TF & Bluetooth
- For professional sound system and audio conferencing recording
- Support various formats of MP3/MP4 & blue tooth.
- With IR wireless remote control to select source and volume control.
- With stereo XLR line input and stereo RCA line input
- With stereo XLR line output and stereo RCA line output
- With USB/TF card input on front panel for easy operation
- With output level meter for easy status indication
- Audio recording to USB or TF card via Bluetooth and line input modes.



## Unidirectional Microphone U202

- Rigid diecast zinc microphone body
- Switching and handling noise suppression
- 4m XLR-F to 1/4" Tip/Sleeve
- Balanced output for long distance connection
- Dynamic hand-held microphone for speech use
- Moving coil dynamic microphone
- Cardioid unidirectional directivity
- Impedance of 600Ω balanced
- Rated sensitivity of -55dB (1k Hz 0dB=1V/Pa)
- Frequency response of 50-15kHz
- Weight of 265kg



## Economy Unidirectional Microphone U210

- Rigid ABS microphone body
- Switching and handling noise suppression
- 2m XLR-F to 1/4" Tip/Sleeve
- Balanced output for long distance connection
- Dynamic hand-held microphone for speech use
- Moving coil dynamic microphone
- Cardioid unidirectional directivity
- Impedance of 600Ω balanced
- Rated sensitivity of -54dB (1k Hz 0dB=1V/Pa)
- Frequency response of 70-12kHz
- Weight of 225kg



Model	BDM1	BDM2	BDM3
Description	Boundary Microphone		
Type	Condenser with 3 mic		
Frequency Response	20Hz-20KHz	20-20KHz	30-20KHz
Polar Pattern	Super Cardioid		
Output Impedance	75Ω		
Sensitivity	-36dB		
Max Input Level	149dB		
S/N Ratio	85dB		
Power Supply	48V phantom power		
Output	Balanced XLR		
Material	Zinc Alloy		

## Condenser Microphone



Model	TM-303C	TM-302C	TM-300D
Description	Condenser Microphone	Condenser Microphone	Dynamic Microphone
Frequency Response	20Hz-20KHz	40Hz-16KHz	60Hz-16KHz
Polar Pattern	Cardioid	Cardioid	Cardioid
Output Impedance	200Ω, balanced	200Ω	600Ω
Sensitivity	-42dB	-38dB	-52dB
Max Input Level	128dB	128dB	128dB
S/N Ratio	65dB	75dB	75dB
Gooseneck Length	390mm	420mm	483mm
Power Supply	48V phantom power & 3V DC	9V DC & AC220	Self Powered
Dimension	114×160×57mm	adapter	Φ130×17mm
Weight	0.6kg	126×150×39mm	1.1kg
Material	ABS base	0.67kg	ABS Base

## UHF Wireless Microphone System

- State of art design UHF wireless microphone system of tabletop design in 1U height.
- 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 dual channel receiver with LCD and two handheld transmitter microphone with LCD.
- Two channel different system working together without any interference.
- Multiple sets working at the same time by different channels with PLL automatic phase lock.
- Support more than 200 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.



**WM-U200F**  
(Adjustable Frequency)  
(520-930MHz)



**WM-U200B**  
(Adjustable Frequency)  
(520-930MHz)



**WM-U200C**  
(Adjustable Frequency)  
(640-690MHz)

Channel	Dual
Frequency Point	Fixed & Adjustable
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°C to +55°C
<b>Receiver</b>	
Sensitivity	>2mV
Image Rejection	>50dB
De-Emphasis	50μS
Audio Output Impedance	600Ω
Audio Output Level	0 to ±400mV
Power Supply	AC110V to 230V
Power Consumption	<500mA
<b>Transmitter</b>	
Frequency Stability	0.005%
RF Output Power	≤30mW
Spurious Rejection	>40dB
Modulation Mode	FM, F3E
Max Deviation Range	±50KHz
Microphone Type	Dynamic microphone
Pre-Emphasis	50μS
Power Supply	DC3V (AA1.5V×2)
Power Consumption	≤80mA
Dimension	53(D)×250(H)mm
Weight	0.23kg

## CS-700 Economy Conference System

- CS-701 Chairman Unit
- CS-702 Delegate Unit
- CS-703 Chairman Unit
- CS-704 Delegate Unit

- Middle level discussion conference system
- Microphone with round ring on/off indicator
- Microphone built-in hi-fi monitor speaker
- System capacity of 50 microphones



## CS-900 CAT6 Digital Conference System Controller

- CS-901 CAT6 Chairman Unit
- CS-902 CAT6 Delegate Unit
- CS-903 CAT6 Chairman Unit
- CS-904 CAT6 Delegate Unit

- Middle level CAT6 discussion conference system
- Microphone with round ring on/off indicator
- Built-in DSP and EQ and auto gain control
- Controller with LCD English Display
- System capacity of 100 microphones and expandable to 1000 microphones



## 5G-MC 5G Wireless Conference System Controller

- 5G-CU 5G Wireless Chairman Unit
- 5G-DU 5G Wireless Delegate Unit

- 5G Wi-Fi discussion + voting + auto video tracking conference system
- Capacitive cardioid directional microphone with dual color indicating ring
- Built-in 3W hi-fi monitor speaker
- Built-in rechargeable lithium battery
- Built-in DSP and EQ and auto gain control
- Controller with LCD English Display
- 48K sampling, bandwidth of 20 ~ 20K wide range frequency response
- System capacity of 240 microphones



## DCN-500 Wireless Conference System Master Controller DNC-501 Wireless Chairman Unit DNC-502 Wireless Delegate Unit

- 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 255 delegate units.
- Chairman unit with priority over delegate units.
- Chairman unit and delegate unit support 1.5V AA battery or mini USB port for direct power from power bank.
- With 2.23" display of microphone status, signal strength and battery status.
- 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 8 hours and standby time of 12 hours.
- Multi-channel high bandwidth and intermediate band frequency selective filtering to avoid 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.
- UHF wireless conference system master control is powered by 12V DC.
- With unbalanced 6.3mm jack output and balanced XLR output to sound reinforcement system.



## UHF-300 Wireless Conference System Controller UHF-300CU Wireless Chairman Unit UHF-300DU Wireless Delegate Unit

- 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 3W hi-fi monitor speaker.
- 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.



- Wireless conference system set include one receiver plus 4 or 8 tabletop microphones.
- Clear, noise-free, wireless transmission and excellent sound reproduction.
- Adjustable frequency ensure multiple sets used together without interference.
- 4 & 8-Channel Wireless Operating Frequency Range: 550.0-980MHz
- Independent Channel Adjustable Volume Controls
- Easy-to-Use Touch Button Controls
- Detachable Dual Antenna & 19" Rack Mountable System
- Portable conference system for rental or mobile use

### Receiver Specs:

- Wireless Operating Frequency Range: 550.0-980 MHz
- Image & Spurious Rejection: >70dB
- Receiving Sensitivity: -105dBm
- Signal/Noise Ratio: >105dB
- Border Upon Channel Rejection: >70dB
- T.H.D.: <0.5%
- Audio Output Level: 0-300mV
- Power Supply: 110/220V (12-15V Power Adapter)
- Tabletop Microphone Specs:
- RF Output: 10dBm
- Modulation Type: FM
- Max Deviation: ±45KHz
- Spurious Emission: >60dBc
- Battery Powered, Requires (2) x 'AA' Batteries -Each



WM-U800



WM-U400

## DSP Audio Matrix Controller

- DSP240
- DSP260
- DSP360
- DSP480



- Full digital audio processor for extreme high quality sound performance.
- With remote English software via PC or mobile control.
- Applications for auditoriums, houses of worship, theaters, convention centers, stadium and stage monitoring system.
- 2IN/4OUT, 2IN/6OUT, 3IN/6OUT, 4IN/8OUT audio matrix system
- 96k Hz sampling rate 24 bit high performance AD/DA converters.
- 40 bit floating point super efficiency DSP chip.
- 8 bands parametric equalization per input channel
- 9 bands parametric equalization per output channel
- Each band can be switched to bell, Hi/Lo-Shelving, HP/LP, Band Pass, Notch and All Pass filters.
- Crossover filters with slopes from 12dB/Octave up to 48dB/Octave including Butterworth, Bessel, Linkwitz Riley.
- Each output features a dynamic range controller composed of a peak limiter.
- Adjustable delay time up to 1,000 ms for every channel.
- Convenient use of function buttons on either front panel or the included English software interface displays.
- 24 pre sets can be programmed and stored and protected by password.
- Each input channel provides 8 PEQ, gain control, noise gate function, RMS compressor, and configurable delay.
- Each output offers 9 PEQ with the crossover filters wholes slopes from 12dB up to 48dB/Octave.
- Each output path also features peak limiter, HP/LP filters, and driver alignment delay.
- Full matrix mixing mode where inputs may be routed/mixed in any ratio to any output.
- Direct user-friendly English PC/Network connection and control.
- Front panel USB connector for direct PC communication.
- RS232 connection for system setup, monitoring and control via full manageable remote PC software.
- Front panel interactive LCD display for local access and configuration.
- Simultaneous control up to 50 units via PC software security lockout.

## Volume Control & Noise Gate



## Input & Output



## 3" Line Array Loudspeaker System LAS-403



### Mounting Bracket: L3B



## 4.5" Line Array Loudspeaker System LAS-404



- High-end line array column loudspeaker with a frequency response of 150Hz to 20kHz
- Compact passive line array column loudspeakers
- 4 x 3" full range speakers Neodymium magnet
- 2 x XLR connectors for input or link
- RMS power 120W Max 240W
- Improved dispersion of horizontal 140 ° & vertical 15 °
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Mounting bracket L3A purchased separately

Model	LAS-403
Description	3" Passive Line Array Loudspeaker System
RMS Power	120 Watts
Continuous Power	240 Watts
Peak Power	500 Watts
Sensitivity	94dB 1W/1m
MAX SPL	120/123dB (Bi-Amp)
Nominal Impedance	8 Ω
Speaker	4 x 3" full range speakers Neodymium magnet
Crossover Frequency	3K Hz
Horizontal Dispersion	140 °
Vertical Dispersion	15°
High Filter Pass	150Hz, -24dB
Connector	2 x XLR connectors for input or link
Material	Aluminum alloy and steel grill in black
Dimension	180x450x350mm
Weight	3.4kg

- High-end line array column loudspeaker with a frequency response of 100Hz to 20kHz
- Compact passive line array column loudspeakers
- 4 x 4.5" full range speakers Neodymium magnet
- 2 x XLR connectors for input or link
- RMS power 200W Max 500W
- Improved dispersion of horizontal 150 ° & vertical 15 °
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Mounting bracket L3A purchased separately

Model	LAS-404
Description	4.5" Passive Line Array Loudspeaker System
RMS Power	200 Watts
Continuous Power	500 Watts
Peak Power	1000 Watts
Sensitivity	95dB 1W/1m
MAX SPL	120/123dB (Bi-Amp)
Nominal Impedance	8 Ω
Speaker	4 x 4.5" full range speakers Neodymium magnet
Crossover Frequency	3K Hz
Horizontal Dispersion	150 °
Vertical Dispersion	15°
High Filter Pass	80Hz, -24dB
Connector	2 x XLR connectors for input or link
Material	Aluminum alloy and steel grill in black
Dimension	132x540x125
Weight	7.7kg

## 3" Line Array Speaker System LAS-903



### Mounting Bracket: L3B



## 4.5" Line Array Speaker System LAS-904



True line array technology, an undisputed success in the field of professional audio, into a new range of applications within both the live and fixed installation fields. The column system is compact and elegant, with a refined yet functional design. Most importantly it offers an uncompromising quality capable of successfully solving applications where conventional systems are inadequate.

- High-end line array column loudspeaker with a frequency response of 150Hz to 20kHz
- 9 x 3" full range speakers
- 4 x Euroblock connectors
- RMS power 270W Max 540W
- Improved dispersion of horizontal 140 ° & vertical 15 °
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Weatherproof IP66 for indoor & outdoor applications
- Mounting bracket L3B purchased separately

Frequency Response	150Hz~20K Hz (±3dB)
Sensitivity	96dB 1W/1m
MAX SPL	125dB~128dB
Nominal Impedance	8Ω
RMS Power	270 Watts/Max 540 Watts
Speaker	9 x 3" full range speakers
IP Rate	IP66
Crossover Frequency	3K Hz
Horizontal Dispersion	140°
Vertical Dispersion	15°
Material	Aluminum alloy and steel grill in black
Dimension	115x826x125mm
Weight	5.7kg

- High-end line array column loudspeaker with a frequency response of 100Hz to 20kHz
- 9 x 4.5" full range speakers
- 4 x Euroblock connectors
- RMS power 450W Max 1000W
- Improved dispersion of horizontal 150 ° & vertical 15 °
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Weatherproof IP66 for indoor & outdoor applications
- Mounting bracket L4B purchased separately

Frequency Response	100Hz~20K Hz (±3dB)
Sensitivity	99dB 1W/1m
MAX SPL	126dB~130dB
Nominal Impedance	8Ω
RMS Power	450 Watts/Max 1000 Watts
Speaker	9 x 4.5" full range speakers
IP Rate	IP66
Crossover Frequency	3K Hz
Horizontal Dispersion	150°
Vertical Dispersion	15°
Material	Aluminum alloy and steel grill in black
Dimension	132x1100x125mm
Weight	15kg

## 4.5" Line Array Loudspeaker System LAS-404D



## 4.5" Line Array Loudspeaker System LAS-904D



### Rear View & Mounting Bracket:



- High-end line array column loudspeaker with a frequency response of 100Hz to 20kHz
- Compact passive line array column loudspeakers
- 4 x 4.5" full range speakers
- 2 x XLR connectors for input or link
- Continuous Pink Noise 160 Watts and Peak Program 400 Watts
- Improved dispersion of horizontal 150 ° & vertical 50°
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Ideal for indoor lecture hall, music bar, concert, auditorium professional sound system
- mounting bracket included support vertical & horizontal dispersion angle adjustable

- High-end line array column loudspeaker with a frequency response of 100Hz to 20kHz
- Compact passive line array column loudspeakers
- 9 x 4.5" full range speakers
- 2 x XLR connectors for input or link
- Continuous Pink Noise 360 Watts and Peak Program 720 Watts
- Improved dispersion of horizontal 140 ° & vertical 50°
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Ideal for indoor lecture hall, music bar, concert, auditorium professional sound system
- mounting bracket included support vertical & horizontal dispersion angle adjustable

Description	4.5" Line Array Loudspeaker System
Continuous Pink Noise	160 Watts
Peak Program	400 Watts
Amplifier Power	350 Watts
Frequency Response	100-20kHz
Sensitivity	96dB 1W/1m
MAX SPL	120/123dB (Bi-Amp)
Nominal Impedance	8 ohms
Speaker	4 x 4.5" full range speakers
Crossover Frequency	3K Hz
Horizontal Dispersion	150 °
Vertical Dispersion	50°
High Filter Pass	100Hz, -24dB
Connector	2 x XLR connectors for input or link
Material	MDF and steel grill in black
Dimension	146x545x150
Weight	6.5kg

Description	4.5" Line Array Loudspeaker System
Continuous Pink Noise	360 Watts
Peak Program	720 Watts
Amplifier Power	650 Watts
Frequency Response	100-20kHz
Sensitivity	100dB 1W/1m
MAX SPL	128/134dB (Bi-Amp)
Nominal Impedance	8 ohms
Speaker	9 x 4.5" full range speakers
Crossover Frequency	3K Hz
Horizontal Dispersion	140 °
Vertical Dispersion	50°
High Filter Pass	100Hz, -24dB
Connector	2 x XLR connectors for input or link
Material	MDF and steel grill in black
Dimension	146x1150x150
Weight	14kg

## 4.5" Active Line Array Speaker System LAS-404A



- High-end line array column loudspeaker with a frequency response of 100Hz to 20kHz
- Compact active line array column loudspeakers
- Built-in power high efficiency 85% class-D amplifier
- Built-in DSP processor and control software
- DSP processor includes gain control, EQ, delay, limiter, reverb, echo, X-over, compressor and phase etc
- 4 x 4.5" full range speakers Neodymium magnet
- 1 x Euroblock connectors for power supply
- 2 x XLR connectors for input or link
- 2 x RJ45 for DSP control & RS485
- RMS power 240W Max 500W
- Improved dispersion of horizontal 150 ° & vertical 15 °
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Weatherproof IP54 for indoor & outdoor applications
- Mounting bracket L3A purchased separately

RMS Power	240 Watts/Max 500 Watts
Built-in Amplifier	350 Watts RMS, Class-D, 85% efficiency
Sensitivity	96dB 1W/1m
MAX SPL	122/126dB (Bi-Amp)
Nominal Impedance	8 Ω
Speaker	4 x 4.5" full range speakers Neodymium magnet
IP Rate	IP54
Crossover Frequency	3K Hz
Horizontal Dispersion	150 °
Vertical Dispersion	15°
High Filter Pass	100Hz, -24dB
Connector	1 x Euroblock connectors for power supply, 2 x XLR connectors for input or link 2 x RJ45 for DSP control & RS485
DSP Processor	Gain control, EQ, delay, limiter, reverb, echo, X-over, compressor and phase etc
Dimension	132x540x125
Weight	6.2kg

## 4.5" Active Line Array Speaker System LAS-804A



- High-end line array column loudspeaker with a frequency response of 100Hz to 20kHz
- Compact active line array column loudspeakers
- Built-in power high efficiency 85% class-D amplifier
- Built-in DSP processor and control software
- DSP processor includes gain control, EQ, delay, limiter, reverb, echo, X-over, compressor and phase etc
- 8x 4.5" full range speakers Neodymium magnet
- 1 x Euroblock connectors for power supply
- 2 x XLR connectors for input or link
- 2 x RJ45 for DSP control & RS485
- RMS power 480W Max 1000W
- Improved dispersion of horizontal 150 ° & vertical 15 °
- Design and elegance for easy integration even in the most demanding installations
- Compact dimensions ensure listeners will focus on the sound and not the speaker
- Weatherproof IP54 for indoor & outdoor applications
- Mounting bracket L3A purchased separately

RMS Power	480 Watts/Max 1000 Watts
Built-in Amplifier	350+350 Watts RMS, Class-D, 85% efficiency
Sensitivity	100dB 1W/1m
MAX SPL	130/136dB (Bi-Amp)
Nominal Impedance	8 Ω
Speaker	8 x 4.5" full range speakers Neodymium magnet
IP Rate	IP54
Crossover Frequency	3K Hz
Horizontal Dispersion	150 °
Vertical Dispersion	15°
High Filter Pass	100Hz, -24dB
Connector	1 x Euroblock connectors for power supply, 2 x XLR connectors for input or link 2 x RJ45 for DSP control & RS485
DSP Processor	Gain control, EQ, delay, limiter, reverb, echo, X-over, compressor and phase etc
Dimension	132x1100x125
Weight	11.4kg

## 18" Active Subwoofer with Column Set ALS-183B ALS-183SUB



- 18" Active subwoofer with line array column speaker system set
- Includes line array column & powered subwoofer & mounting pole and connection lead
- 12 x 3.15" Full Range Speakers
- Active bi-amplified 18" low frequency subwoofer
- 2 x Neutrik NL4 Connectors
- Integrated 800W+800W RMS Class D Amplifier
- MAX power output 3200W
- Powersoft amplifier module from Italy
- Built-in DSP features
- Dispersion of Horizontal 120° & Vertical 35°
- Combine another line array column loudspeaker for more powerful solution

Model	ALS-183B	ALS-183SUB
Frequency Response	120Hz-20K Hz (±3dB)	40Hz-150Hz (±3dB)
Sensitivity	100dB 1W/1m	102dB 1W/1m
MAX SPL	128dB~134dB	112dB~120dB
Nominal Impedance	12Ω	8Ω
RMS Power	600 Watts/Max 1200 Watts	800+800 Watts
Speaker	12 x 3.15" Full Range	3200 Watts
Horizontal Dispersion / Speaker	120°	18" subwoofer
Vertical Dispersion	35°	
Material /Power Supply	Aluminum alloy and steel grill in black	100-240V AC ±10%, 50-60 Hz
Dimension	1000x88x120mm	446x 500 x 560 mm
Weight	5.8kg	34.5kg

## 21" Active Subwoofer with Column Set ALS-213B ALS-213SUB



- 21" Active subwoofer with 2 x line array column speaker system set
- Includes 2 x line array column & powered subwoofer & mounting pole and connection lead
- 12 x 3.15" Full Range Speakers of 2 units combined together
- Active bi-amplified 21" low frequency subwoofer
- 2 x Neutrik NL4 Connectors
- Integrated 1000W+1000W RMS Class D Amplifier
- MAX power output 4000W
- Powersoft amplifier module from Italy & built-in DSP features of various application pre-sets
- Dispersion of Horizontal 120° & Vertical 35°
- Combine another line array column loudspeaker for more powerful solution
- Ideal for 600-800 square meter sound reinforcement system.

Model	ALS-213B	ALS-213SUB
Frequency Response	120Hz-20K Hz (±3dB)	30Hz-150Hz (±3dB)
Sensitivity	100dB 1W/1m	102dB 1W/1m
MAX SPL	128dB~134dB	130dB~136dB
Nominal Impedance	12Ω	8Ω
RMS Power	600 Watts/Max 1200 Watts	1000+1000 Watts Max
Speaker	12 x 3.15" Full Range	4000 Watts
Horizontal Dispersion / Speaker	120°	21" subwoofer
Vertical Dispersion	35°	
Material /Power Supply	Aluminum alloy and steel grill in black	100-240V AC ±10%, 50-60 Hz
Dimension	1000x88x120mm	555x 555 x 763 mm
Weight	5.8kg	44.5kg

## Active Subwoofer & Column Speaker Set ALS-159A



- All in one portable sound system set Active Subwoofer & Column Speaker Set.
- Complete set with active subwoofer, column speaker & amplifier with mounting pole & connection lead.
- Built-in DSP (Digital signal processor) with 4 pre-set modes for various live performance & fixed installation.
- Top-level sound quality from 30Hz to 20k Hz ideal for live sound & fixed installation.
- Long distance sound projection and better than 128dB SPL distribution towards the audience.
- Satellite module with 9 x 4.5" drivers paired with an active 15" woofer in a bass reflex enclosure.
- 2400 watt 2-way peak power of powerful but compact design.
- Great and dynamic power performance thanks to bi-amplification system.
- Stunning sound performance with crystal-clear vocal reproduction and unparalleled musical response.
- Lightweight and easy to carry for mobile use or rental use.
- Design and elegance for an easy integration even in the most demanding installations.
- Compact dimensions enable the listener to enjoy even sound dispersion no matter distance near or far away.

Model	ALS-159A	
Description	Active Subwoofer & Column Speaker Set	
Satellite Module	LAS-904D	ALS-15SUB
Components	Passive Column Speaker 9X4.5" (25mm)	Active Sub-woofer 1X15"(380mm)
Impedance	8 Ohms	8 Ohms
DSP	2 In 2 Out DSP with 4 pre-sets	
Input	Bal/unbal, XLR, -2dBu/+4dBu	
Output	Balanced XLR	
Frequency Response	-10dB, Sub: 30-450Hz; Column: 100-18KHz	
Max SPL @ 1W/1m	Sub: 133dB; Column: 128dB	
Sensitivity @ 1W/1m	Sub: 106dB; Column: 100dB	
THD	≤0.1% @ 1kHz (1W@4 Ohms)	
Dispersion	Horizontal: 120°and vertical: 30°	
Amplifier	Class-D Bi-amp	
Amp Output Power RMS	Sub: 1000W; Column: 600W	
Protection	Thermal, RMS, soft limiter	
Power Out Max.	4500 W peak, 2400 W Continuous	
Cooling	Convention	
Finish	15mm thickness high density plywood in black	
Dimension	146x1150x150 (mm)	523x480x580 (mm)
Weight	14kg	30kg

## Active Subwoofer & Column Speaker Set ALS-124A



- All in one portable sound system set Active Subwoofer & Column Speaker Set.
- Complete set with active subwoofer, column speaker & amplifier with mounting pole & connection lead.
- Built-in DSP (Digital signal processor) with 4 pre-set modes for various live performance & fixed installation.
- Top-level sound quality from 40Hz to 20k Hz ideal for live sound & fixed installation.
- Long distance sound projection and better than 120dB SPL distribution towards the audience.
- Satellite module with 4 x 4.5" drivers paired with an active 12" woofer in a bass reflex enclosure.
- 1500 watt 2-way peak power of powerful but compact design.
- Great and dynamic power performance thanks to bi-amplification system.
- Stunning sound performance with crystal-clear vocal reproduction and unparalleled musical response.
- Lightweight and easy to carry for mobile use or rental use.
- Design and elegance for an easy integration even in the most demanding installations.
- Compact dimensions enable the listener to enjoy even sound dispersion no matter distance near or far away.

Model	ALS-124A	
Description	Active Subwoofer & Column Speaker Set	
Satellite Module	LAS-404D	ALS-12SUB
Components	Passive Column Speaker 4X4.5" (25mm)	Active Sub-woofer 1X12"(300mm)
Impedance	8 Ohms	8 Ohms
DSP	2 In 2 Out DSP with 4 pre-sets	
Input	Bal/unbal, XLR, -2dBu/+4dBu	
Output	Balanced XLR	
Frequency Response	-10dB, Sub: 30-450Hz; Column: 100-20KHz	
Max SPL @ 1W/1m	Sub: 120dB; Column: 118dB	
Sensitivity @ 1W/1m	Sub: 102dB; Column: 96dB	
THD	≤0.1% @ 1kHz (1W@4 Ohms)	
Dispersion	Horizontal: 120°and vertical: 30°	
Amplifier	Class-D Bi-amp	
Amp Output Power RMS	Sub: 600W; Column: 400W	
Protection	Thermal, RMS, soft limiter	
Power Out Max.	3000 W peak, 1500 W Continuous	
Cooling	Convention	
Finish	15mm thickness high density plywood in black	
Dimension	146x545x150 (mm)	459x400x500 (mm)
Weight	6.5kg	25kg

## Passive Line Array Speaker (2x5") LAS-25

## Active Line Array Speaker LAS-25A



- Passive 2 x 5 " Line Array Speaker with dual compression HF
- Three way sound system for wide range dispersion
- Line array Modular combination 12 " subwoofer LAS-25SUB
- The Line Arrays are constructed of birch plywood
- 4 units of line array speaker modules are combined with 12 " subwoofer
- All weather superior performance for outdoor & indoor main sound system
- Application for clubs, churches, houses of worship, gymnasiums, meeting rooms and schools

Model	LAS-25M
Frequency Response	68Hz~18K Hz (±3dB)
Sensitivity	97dB 1W/1m
MAX SPL	124dB~127dB
Nominal Impedance	16Ω
RMS Power	400 Watts/Max 800 Watts
Speaker	LF: 2x5" & HF: 2x1", 2 x Neutrik NL4 connector
Horizontal Dispersion	100 °
Vertical Dispersion	15 °
Dimension	185 x 390 x 275mm
Weight	9kg

Model	LAS-25SUB
Frequency Response	40Hz~100Hz (±3dB)
Sensitivity	97dB 1W/1m
MAX SPL	123dB~128dB
Nominal Impedance	4Ω
RMS Power	400 Watts/Max 800 Watts
Speaker	1x12", 2 x Neutrik NL4 connector
Dimension	350 x 390 x 480mm
Weight	23.6kg

## Passive Line Array Speaker (2x10") LAS-210

## Active Line Array Speaker LAS-210A



- Passive 2 x 10 " Line Array Speaker with dual compression HF
- Three way sound system for wide range dispersion
- Line array Modular combination 18 " subwoofer LAS-210SUB
- The Line Arrays are constructed of birch plywood
- 4 units of line array speaker modules are combined with 18 " subwoofer
- All weather superior performance for outdoor & indoor main sound system
- Application for clubs, churches, houses of worship, gymnasiums, meeting rooms and schools

Model	LAS-5210M
Frequency Response	50Hz~18K Hz (±3dB)
Sensitivity	99dB 1W/1m
MAX SPL	128dB~132dB
Nominal Impedance	8Ω
RMS Power	650 Watts/Max 1300 Watts
Speaker	2x10" & HF: 1x2", 2 x Neutrik NL4 connector
Crossover Frequency	3K Hz
Horizontal Dispersion	120 °
Vertical Dispersion	10 °
Dimension	300x700x465mm
Weight	32kg

Model	LAS-5400SUB
Frequency Response	30Hz~120Hz (±3dB)
Sensitivity	97dB 1W/1m
MAX SPL	126dB~132dB
Nominal Impedance	8Ω
RMS Power	600 Watts/Max 1200 Watts
Speaker	1x18", 2 x Neutrik NL4 connector
Dimension	500x708x650mm
Weight	32kg

## Weatherproof Two Way Speaker

### HSK-108T-110T-112T



- Commercial full weatherproof horn speaker with transformer
- Ideal for outdoor square and playground sound system
- Application of school, mosque, park, train station & airport
- Superior sound quality of very clear voice restoration
- Two way 8"/10"/12" three size horn speaker with tweeter
- Rated power output of 150W/200W/300W/400W at 100V
- Waterproof level of IP66
- Stainless fiber-glass enclosure and metal grille in black
- Wall mounting stainless bracket is supplied
- Multiple combination of outdoor line array loudspeakers

Model	HSK-108T	HSK-110T	HSK-112T
Description	Weatherproof Two Way Speaker		
Power Output	100W	200W	300W
Line Input	100V or 70V		
Frequency Response	100-20K Hz	80-20K Hz	55-20K Hz
SPL (@1W/m)	94dB and Max 118dB	94dB and Max 118dB	96dB and Max 120dB
Speaker Unit	8"	10"	12"
IP Rate	IP66	IP66	IP66
Dispersion Angle	Horizontal: 120° Vertical: 120°	Horizontal: 110° Vertical: 110°	Horizontal: 90° Vertical: 90°
Operation Temp	-22℃ to +55℃		
Dimension	300x300x308mm	310x310x310mm	402x402x445mm
Material	Shaped Stainless fiber-glass enclosure and metal grille in black		
Mounting Way	Wall mounting stainless bracket is supplied		

## Weatherproof Two Way Speaker

### HSF-108T-110T-112T-115T



- Commercial full weatherproof horn speaker with transformer
- Ideal for outdoor square and playground sound system
- Application of school, mosque, park, train station & airport
- Superior sound quality of very clear voice restoration
- Two way 8"/10"/12"/15" three size horn speaker with tweeter
- Rated power output of 150W/200W/300W at 100V
- Waterproof level of IP66
- Stainless fiber-glass enclosure and metal grille in black
- Wall mounting stainless bracket is supplied
- Multiple combination of outdoor line array loudspeakers

Model	HSF-108T	HSF-110T	HSF-112T	HSF-115T
Description	Weatherproof Two Way Speaker			
Power Output	150W	200W	300W	300W
Line Input	100V or 70V			
Frequency Response	80-20K Hz	80-20K Hz	55-20K Hz	100-20K Hz
SPL (@1W/m)	94dB and Max 118dB	94dB and Max 118dB	96dB and Max 120dB	96dB and Max 125dB
Speaker Unit	8"	10"	12"	15"
IP Rate	IP66	IP66	IP66	IP66
Dispersion Angle	Horizontal: 120° Vertical: 120°	Horizontal: 120° Vertical: 120°	Horizontal: 90° Vertical: 90°	Horizontal: 90° Vertical: 90°
Operation Temp	-22℃ to +55℃			
Dimension	280x280x230mm	350x350x340mm	390x390x340mm	460x460x430mm
Material	Shaped Stainless fiber-glass enclosure and metal grille in black			
Mounting Way	Wall mounting stainless bracket is supplied			



Outdoor Horn Speaker



Model	HSK-150T	HSK-150TP	HSK-300T	HSK-300TP	HSK-400T	HSK-400TP
Description	2-Way Outdoor Horn Speaker		2-Way Outdoor Horn Speaker		2-Way Outdoor Horn Speaker	
Rated Power Output	10"horn with tweeter		12"horn with tweeter		15"horn with tweeter	
Line Input	150W	150W/300W Max	300W	300W/600W Max	400W	400W/800W Max
Frequency Response	100V or 70V	8Ω	100V or 70V	8Ω	100V or 70V	8Ω
SPL (@1W/m)	75-20KHz		60-20KHz		50-20KHz	
Speaker Unit	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°C to +55°C		-22°C to +55°C		-22°C to +55°C	
Dimension	700(W) x490(D)x490(H)mm		800(W) x590(D)x590(H)mm		800(W) x590(D)x590(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					

Passive Loudspeaker



Model	PROS10	PROS12	PROS15	PRO215
Description	8"Two Way Passive Loudspeaker	12"Two Way Passive Loudspeaker	15"Two Way Passive Loudspeaker	Dual 15"Two Way Passive Loudspeaker
LF Driver	1x10" woofer / 250mm Voice Coil	1x12" woofer / 250mm Voice Coil	1x15" woofer / 250mm Voice Coil	2x15" woofer / 250mm Voice Coil
HF Driver	1x1.75"/44mm Voice Coil	1x1.75"/44mm Horn	1x3"/75mm Horn	1x3"/75mm Horn
Connector	2xNEUTRIK NI4	2xNEUTRIK NI4	2xNEUTRIK NI4	2xNEUTRIK NI4
Frequency Response	65 Hz-20kHz(±3dB)	65 Hz-20kHz(±3dB)	50 Hz-20kHz(±3dB)	45Hz-20kHz(±3dB)
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(HxV)	80°x50°	80°x50°	80°x50°	80°x50°
Sensitivity(1m)	99dB	101dB	103dB	104dB
SPL(1m)	124dB	126dB	128dB	130dB
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 Descriptio	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"(450mm)	LF 2X18"(450mm)
Connector	2X NEUTRIK NI4	2X NEUTRIK NI4	2X NEUTRIK NI4	2X NEUTRIK NI4
Frequency Response	40Hz-120KHz	40Hz-120KHz	35Hz-150KHz	35Hz-150KHz
Sensitivit@1W/1M)	98dB	101dB	103dB	104dB
SPL	123dB	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			
Dimensions	500(W)x480(D)x690(H)mm	720(W)x565(D)x600(H)mm	665(W)x495(D)x970(H)mm	785(W)x565(D)x1070(H)mm
Weight	38.5kg	42kg	70kg	87kg

Professional Mixing Console  
 MCX8U (8 Channel) MCX16U(16 Channel)  
 MCX12U (12 Channel) MCX24U(24 Channel)  
 MCX32U(32 Channel)

Feature:

- 8/12/16/24/32 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 effector
- Suitable for church and mosque religious gathering to create solemn environment
- Capacity of feed in versatile sources from balanced or microphone, line or tape
- Built-in DSP processor can stereo or separately control the left and right channel output
- The built-in Mp3 player is 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.

