

PRODUCT INFORMATION AND PRICE LIST

ABK Profile

Public Address System

ABK public address system, the high quality PA products, are devised, manufactured and sold by Guangzhou DSPPA Audio Co., Ltd. Our products include many kinds of device with different functions and can be combined according to your needs. The main characteristics of ABK products are listed below:

- Providing fire/disaster emergency broadcasting and activating neighboring zones automatically
- Programmable broadcasting sound resources at multi-timing points of each day in one-week period
- Broadcasting many kinds of chiming automatically
- Zone paging and control
- Suitable for outdoor/garden broadcasting
- Activating built-in recording programs or alarm
- Adopting CPU control in main parts of the device
- Automatic phone call transfer, applicable to conference call
- The programmable timer, with LED status indicator
- Excellent amplifier auto-protect function
- The configurable customized emergency power supply
- Simply/complicated combining system devices according to individual needs

Such advanced and useful functions are supported by many creative techniques adopted in ABK product series. Comparing with other superb PA products in the world, ABK's has the same high quality with more competitive price. Based on the excellent know-how in technique and strict manufacturing standards, ABK products are in the dominant position in Chinese PA market and increasingly extending to the global markets. We are dedicated to providing the first-class products and service for our worldwide clients.

Intelligent PA Series

ABK PA 20 Series

Features



Program Player

- ◆ Internal microcomputer, shuttle and jog, graphic use interface, multi-level menu operate mode
- ◆ LCD display, Chinese/English menu
- ◆ include full range of school music and chimes, the recording time can be up to 4 hours
- ◆ Time play, 1 way power outlet

Model

PA-2074T



CD Player

- ◆ Light-touch button, one push to select a track, VFD display.
- ◆ Remote controller or timer control.

PA-2076C



Tuner

- ◆ Micro computer chip control, digital mix system.
- ◆ Light-touch button, VFD display.
- ◆ Radio station auto scan & memorize function are provided, each band, (AM/FM) includes 20 memories.
- ◆ Resume memory state after power failure, volume LED indicator.

PA-2077R



Input Matrix

- ◆ 8 channel inputs, 8 channel outputs, switch freely and without interfere to each other.
- ◆ LED display.
- ◆ Dot matrix display

PA-2078S



PA-2079S

- ◆ Built-in completed series of music and bell for campus events
- ◆ Manual control to play music, bell etc.

Program Player



PA-2080P

PA-2080H

- ◆ 10 channels, Alarm activating.
 - ◆ Remote control available.
 - ◆ 2 Mic, 2 line inputs. LED indicator for each paging channel.
 - ◆ Chime & Mute function.
- 10 lines Paging Microphone HUB:** Provide 10 channels with 10 pcs of PA 2080R Paging Microphone

Paging Selector

10 lines Paging Microphone HUB



Paging Microphone Hub



PA-2081P

- ◆ 5 Mic inputs, 3 Aux inputs, 2 Priority inputs
- ◆ Individual volume control, Master tone control
- ◆ A five-element LED level meter for monitoring output level
- ◆ Chime & Mute function.

Pre-Amplifier



PA-2082E

- ◆ Fourteen segment digital equalizer
- ◆ Chime & Mute function.
- ◆ Five equalizer mode memories
- ◆ Inner gate and compressor
- ◆ LED peak level indicator

Equalizer



PA-2083M

- ◆ 10 channels input, switch at will
- ◆ Inner monitor speaker
- ◆ Level indicator for each channel

Monitor Panel



PA-2084B

- ◆ 2 Channel inputs (A&B), 10 outputs
- ◆ 2 input alarm logic selected
- ◆ The channel will be switched to input B automatically while alarming.
- ◆ Alarm indicator and output indicator

Distribution Matrix



PA-2084D

- ◆ 4 inputs, selectable 10 outputs, Alarm input switchable
- ◆ 2 alarm input logic selected
- ◆ The channel will be switched to alarm automatically while alarming.
- ◆ Alarm/ input output LED Peak level indicator
- ◆ Memorial function

Distribution Matrix



PA-2085A

- ◆ Intelligent interface for fire center
- ◆ 30 channels, up to 120 ch, extendible
- ◆ Automatic activation with neighbor channels
- ◆ Programmable

Alarm Matrix



PA-2086E

- ◆ 1 Min digital Rec / Play IC
- ◆ Alarm triggering siren or pre-record sound output

Emergency Panel



- ◆ Automatic phone call transfer.
- ◆ Telephone conference function available.

PA-2087T

Telephone Interface



- ◆ 10 channels
- ◆ Alarm activating 24 V output for emergency function

PA-2088S

Switching Power



- ◆ LCD display, Chinese/ English selectable, working status clear at a glance in the display
- ◆ Jog-dial control, graphical interfaces and multi-level menu for user adjustment, is a real easy access device without the complexity of a personal knowledge
- ◆ Can control external CD/ Radio/ Cassette player etc.

PA-2089T

Programmable Timer



- ◆ The first choice for controlling various power supplies in a PA system
- ◆ Up to 16 power channels to be switched on/ off in the sequence
- ◆ Automatically/ manually controlling with the timer
- ◆ Max.capacity 4.5 KVA for each channel

PA-2090S

Sequence Controller



- ◆ 4 individual channels for M/S Amp.
- ◆ Automatically switching while fault.
- ◆ Status display.

PA-2091M

M/S Switcher



- ◆ 4 inputs 4 outputs.
- ◆ Switch off output automatically when hit by lightning.
- ◆ Lead lightning strike to ground automatically.

PA-2092L

Lighting Protector

ABK PA 21 Series



- ◆ Logic cassette play, VFD display.
- ◆ Automatic program locating, automatic play after power on.
- ◆ Remote controller or timer control.

PA-2175D

Cassette Player



- ◆ Light-touch button, one push to select a track, VFD display.
- ◆ Remote controller or timer control.

PA-2176C

CD Player



- ◆ Micro computer chip control, digital mix system.
- ◆ Light-touch button, VFD display.
- ◆ Radio station auto scan & memorize function are provided, each band, (AM/FM) includes 20 memories.
- ◆ Resume memory state after power failure, volume LED indicator.

PA-2177R

Tuner



PA-2179S

- ◆ Built-in completed series of music and bell for campus events
- ◆ Manual control to play music, bell etc.

Program Player



PA-2180P

- ◆ 10 channels, Alarm activating.
- ◆ Remote control available.
- ◆ 2 Mic, 2 line inputs.
- ◆ LED indicator for each paging channel.
- ◆ Chime & Mute function.

Paging Selector



PA-2181P

- ◆ 5 Mic inputs, 3 Aux inputs, 2 Priority inputs
- ◆ Individual volume control, Master tone control
- ◆ A five-element LED level meter for monitoring output level
- ◆ Chime & Mute function.

Pre-Amplifier



PA-2183M

- ◆ 10 channels input, switch at will
- ◆ Inner monitor speaker
- ◆ Level indicator for each channel

Monitor Panel



PA-2184B

- ◆ 2 Channel inputs (A&B), 10 outputs
- ◆ 2 input alarm logic selected
- ◆ The channel will be switched to input B automatically while alarming.
- ◆ Alarm indicator and output indicator

Distribution Matrix



PA-2185A

- ◆ Intelligent interface for fire center
- ◆ 30 channels, up to 120 ch, extendible
- ◆ Automatic activation with neighbor channels
- ◆ Programmable

Alarm Matrix



PA-2186E

- ◆ 1 Min digital Rec / Play IC
- ◆ Alarm triggering siren or pre-record sound output

Emergency Panel



PA-2187T

- ◆ Automatic phone call transfer.
- ◆ Telephone conference function available.

Telephone Interface



PA-2188S

- ◆ 10 Channels
- ◆ Alarm activating 24v output
- ◆ Emergency Function

Switching Power



PA-2189T

- ◆ LCD display, Chinese/ English selectable, working status clear at a glance in the display
- ◆ Jog-dial control, graphical interfaces and multi-level menu for user adjustment, is a real easy access device without the complexity of a personal knowledge
- ◆ Can control external CD/ Radio/ Cassette player etc.

Programmable Timer



Sequence Controller

- ◆ The first choice for controlling various power supplies in a PA system
- ◆ Up to 16 power channels to be switched on/ off in the sequence
- ◆ Automatically/ manually controlling with the timer
- ◆ Max.capacity 4.5 KVA for each channel

PA-2190S



M/S Switcher

- ◆ 4 individual channels for M/S Amp.
- ◆ Automatically switching while fault.
- ◆ Status display.

PA-2191M



Lighting Protector

- ◆ 4 inputs 4 outputs.
- ◆ Switch off output automatically when hit by lightning.
- ◆ Lead lightning strike to ground automatically.

PA-2192L

Amplifier series



- ◆ 100V、70V Outputs
- ◆ LCD display
- ◆ RCA and XLR sockets for easy connection
- ◆ short-circuit、over-current、over-load warning and protection, over-heat warning and distortion warning available

MODEL	PA3001	PA4001	PA5001	PA6001	PA7001	PA8001
RATED POWER	350W	450W	650W	1000W	1500W	2000W
INPUT SENSITIVITY	1.2V					
S/N RATIO	> 90dB					
FREQ.RESPONSE	60Hz - 16KHz±3dB					
OUTPUT MODE	70V , 100V OR 4 - 16 ohm					
THD (1kHz)	< 0.3%					
DIMENSIONS (H x W x L)	88 x 484 x 375 MM			132 x 484 x 515 MM		
NET WEIGHT	14 Kg	16.5 Kg	17.5 Kg	30 Kg	33 Kg	35 Kg

PA Amplifier Series



- ◆ 100V、70V Outputs
- ◆ LCD Level indicator
- ◆ RCA and XLR sockets for easy connection
- ◆ short-circuit warning and protection, over-heat warning and distortion warning available

MODEL	PA3002	PA4002	PA5002	PA6002	PA7002	PA8002
RATED POWER	350W	450W	650W	1000W	1500W	2000W
INPUT SENSITIVITY	1V					
S/N RATIO	> 90dB					
FREQ.RESPONSE	60Hz - 16KHz±3dB					
OUTPUT MODE	70V , 100V OR 4 - 16 ohm					
THD (1kHz)	< 0.3%					
DIMENSIONS (H x W x L)	88 x 484 x 334 MM			130 x 482 x 430 MM		
NET WEIGHT	14 Kg	16.5 Kg	17.5 Kg	30 Kg	33 Kg	35 Kg

Model	PA7212	PA7235	PA7245
Rated output	120W	350W	450W
Output regulation	From full-load to no-load, less than 5%.		
Speaker Output	4-16Ω balanced, 70V / 100V Output		
Zone output	6 Zones / 100V		
Auxiliary output	100Ω, 1V (0dBV)		
Input	MIC: 600Ω , 3mV (±10%)		
	AUX: 10kΩ, 300mV (±10%) , imbalanced		
Frequency response	MIC: 80Hz-15kHz;		
	AUX: 50Hz-20KHz		
Harmonic distortion	< 0.5% (1kHz, 1/3 rated power)		
Line S/N (4Ω output)	80dB		
Microphone S/N (4Ω output)	70dB		
Tone adjustment	Bass: ±10dB (100Hz)		
	Treble: ±10dB (10kHz)		
Protection	AC fuse, DC voltage, overload and short circuit protection		
Muting Function	MIC1,AUX1 overrides other inputs (attenuated by 0 to -30dB)		
Power supply	AC220-240V/50-60Hz		
Power consumption	190W	520W	600W
N.W.	13kg	18kg	18.3kg
Dimensions (mm)	430×400×132		



new

- ★ Integrated MP3 Player/Tuner/Timer/Distribution//Paging function in one PA Amplifier
- ★ 3 Line inputs, 3 MIC inputs, 1 Line output.
- ★ MIC 1 & Line 1 with muting function, convenience for priority broadcasting
- ★ 100 Programmable timing points every day, set timing program for one week available ,Time & Programs remembered even cutting power supply
- ★ 2 sets of timing program solutions can be saved for work at any moment,each solution edited for 7 days, 100 timing points each day
- ★ 4-16Ω / 70V / 100V outputs available
- ★ 6 Zone output,time switch automatically for each zone available and all zones with 100V output
- ★ 5 levels LED indicators
- ★ Each machine can be consider as the integrated Public Address System

Mix Amplifier Series

- ◆ 2 MIC inputs, 3 Aux inputs, 1Aux output with 100V, 70V output
- ◆ LED level indicator
- ◆ Mute function
- ◆ Individual volume control for each input
- ◆ Short-circuit protection

MODEL	PA2006P11	PA2012P11	PA2025P11	PA2035P11
RATED POWER	60W	120W	250W	350W
INPUT	LINE	300MV		
	MIC	3MV		
S/N RATIO	LINE	> 70dB		
	MIC	> 66dB		
OUTPUT MODE	70V, 100V OR 4 - 16 ohm			
THD	LINE	< 0.1%		
	MIC	< 0.3%		
DIMENSIONS (H x W x L)	88 x 480 x 340 MM			
FREQ RESP	80Hz-16KHz±3dB			
NET WEIGHT	6 Kg	7 Kg	13.8Kg	14.5 Kg



Mix Amplifier Series

- ◆ Pre-amplifier, amplifier and paging selector three in one, best suited for conference, supermarket, school etc.
- ◆ 3 mic inputs, 3 supply inputs, individual volume control
- ◆ link output, to amplifier
- ◆ Prior (mute) function
- ◆ Individual 6 sectors selectors, short-circuit protection and alarm, 5 unit LED indicator

MODEL		MA120P	MA250P	MA350P	MA450P
RATED POWER		120W	250W	350W	450W
INPUT	LINE	250MV			
	MIC	3MV			
S/N RATIO	LINE	> 70dB			
	MIC	> 66dB			
OUTPUT MODE		70V, 100V OR 4 - 16 ohm			
THD	LINE	< 0.1%			
	MIC	< 0.3%			
DIMENSIONS (H x W x L)		132 x 485 x 350 MM			
NET WEIGHT		12.2 Kg	14.2 Kg	16.3Kg	17.6 Kg



MODEL		PA2003	
RATED POWER		20W	
INPUT SENSITIVITY	MIC	600 ohm, » 5mV	
	AUX	10K ohm, 350mV	
	LINE	» 30V	
OUTPUT MODE		4 - 16 OHM	
THD (1kHz)		< 0.5%	
Freq. Response	MIC	150hz—15khz	
	AUX	20hz—20khz	
DIMENSIONS (H x W x L)		250 x 220 x 80 MM	
NET WEIGHT		3.2kg	



Classroom Broadcast Amplifier

- ◆ 2 MIC inputs, 2 AUX input, 100V Power input, LED indicator.
- ◆ Individual channel and master volume controls.
- ◆ 20-Watts / 4-Ohm power output.
- ◆ Alarm circuitry prevents potential damage from overheating, short-circuit.

MODEL		PA 2806	PA 2812	PA 2825	PA 2835
RATED POWER		60W	120W	250W	350W
INPUT	LINE	300MV			
	MIC	3MV			
S/N RATIO	LINE	> 70dB			
	MIC	> 65dB			
OUTPUT MODE		70V, 100V OR 4 - 16 ohm			
THD	LINE	< 0.1%			
	MIC	< 0.3%			
DIMENSIONS (H x W x L)		132 x 482 x 398 MM			
FREQ RESP		80Hz-15KHz±3dB			
NET WEIGHT		16 Kg	18.5 Kg	20.5Kg	25 Kg



All in one Amplifier

- ◆ 2 MIC inputs, 1 Aux input, with 100V, 70V outputs
- ◆ LED level indicator
- ◆ Mute function
- ◆ Digital mixed AM/FM radio player, CD/MP3 player, auto cassette player
- ◆ Chime function
- ◆ Itself can be considered as a full set of small PA System

MODEL		PA 2306	PA 2312	PA 2325	PA 2335
RATED POWER		60W	120W	250W	350W
MP3 PLAYER SECTION	FREQ RESP	20Hz-20KHz			
	S/N RATIO	80dB			
TUNER SECTION (AM BAND)	SENSITIVITY	50dB μ			
	TUNING RANGE	522-1611KHz			
	TRANSMISSION BAND	6KHz			
	S/N RATIO	50dB			
TUNER SECTION (FM BAND)	SENSITIVITY	20dB μ			
	TUNING RANGE	87.0-108.0KHz			
	TRANSMISSION BAND	15KHz			
	S/N RATIO	75dB			
OUTPUT MODE		70V, 100V or 4 - 16 ohm			
DIMENSIONS (H x W x L)		88 x 430 x 368 MM			
FREQ RESP		80Hz-16KHz \pm 3dB			
NET WEIGHT		11.5 Kg	13.5 Kg	15.2Kg	19 Kg



All in one Amplifier

- ◆MP3 Player, Tuner, Pre.Amplifier and Amplifier all in one
- ◆FM/AM digital tuner, auto/ manual search, 60 memory address (FM:30, AM:30)
- ◆Inputs:5 balanced MIC inputs with phantom power, switchable input between MIC4, MIC5 and AUX1,AUX2,1REC input
- ◆Outputs:1 REC output, 70V,100V,4-16 ohm speaker output,chime and siren output.
- ◆Threellevels of priority muting: MIC1>siren>chime
- ◆5-unit LED level meter,individual channel volume control,master treble and bass control
- ◆Thermal, overload,short-circuit protection and buzzing alarm
- ◆AC 110V/220V and DC24V/power supply

Model	PA 3212	PA 3225	PA 3238
Output	120W RMS	250W RMS	380W RMS
Output adjust rate	Less than 3 dB from no-load to full load		
Speaker Output	4 Ω Balanced, 70 V、100 V		
Zone outputs	Six 100V zone outputs		
REC Output	600 Ω 1V		
Input	MIC1, 2, 3, 4, 5、6 : 600 Ω ,4。5 mV		
	AUX 1, 2: 10 K Ω , 270mV unbalanced; REC IN: 10K Ω , 300mV		
	TELE/EMR: 6k Ω 775mV, balanced		
Frequency Response	Line: 40 Hz ~ 20 KHz (\pm 3dB); Microphone: 80 Hz ~ 15 KHz (\pm 3dB)		
Distortion	< 0.5% at 1 KHz, 1 / 3 rated power		
Signal to Noise Ratio	MIC1, 2, 3, 4, 5, 6: 80dB AUX 1, 2: 80dB		
Tone Control	Bass: \pm 12 dB at 100 Hz Treble: \pm 12 dB at 10 KHz		
Protection	AC fuses \times 1, DC fuses \times 1, overload, short circuit, Temperature		
Muting Function	MIC1 overrides other input signals (Attenuation: 0 ~ -30 dB)		
	SIREN overrides other input signals (except MIC1) (Attenuation: 0 ~ -30 dB)		
	CHIME overrides other input signals (except MIC1,SIREN) (Attenuation: 0 ~ -30 dB)		
Power Requirements	AC 220~240 V / 50 ~ 60 Hz, DC24V		
Power Consumption	160W	330W	450W
Dimensions (mm)	430 \times 360 \times 88mm		
Gross weight	13 kg	17kg	19.3 kg
Net weight	11.9kg	16kg	18.3kg



- ★ 5 MIC inputs, 2 AUX inputs, 1 Record input, 1 Record output
- ★ Priority muting for chime and siren
- ★ Three levels of priority muting: MIC1 > siren > chime
- ★ 5 LED level meter
- ★ Individual volume control for each input, master bass and treble control
- ★ Speaker outputs 100V, 70V and 4Ω
- ★ Power supply AC 220V~240V or DC 24V
- ★ Thermal, over load, short circuit protection and siren

Mixing Amplifier

Model	PA 3045	PA 3060	PA 3120
Output	45W RMS	60W RMS	120W RMS
Output adjust rate	Less than 3 dB from no-load to full load		
Speaker Output	4 Ω Balanced, 70 V、100 V		
REC Output	600Ω 1V		
Input	MIC1, 2, 3, 4, 5: 600Ω, 6 mV Balanced		
	AUX 1, 2: 10 KΩ, 270 mV unbalanced; REC IN: 10KΩ, 300mV		
Frequency Response	Line: 50 Hz ~ 20 KHz (±3dB); Microphone: 100 Hz ~ 10 KHz (±3dB)		
Distortion	< 0.5% at 1 KHz , 1 / 3 rated power		
Signal to Noise Ratio	MIC1, 2, 3, 4, 5: 70 Db AUX 1, 2: 75 dB		
Tone	Bass: ±12 dB at 100 Hz Treble: ±12 dB at 10 KHz		
Protection	AC fuses × 1, DC fuses × 1, overload, short circuit		
Muting Function	MIC1 overrides other input signals (Attenuation: 0 ~ -30 dB)		
	SIREN overrides other input signals (except MIC1) (Attenuation: 0 ~ -30 dB)		
	CHIME overrides other input signals (except MIC1,SIREN) (Attenuation: 0 ~ -30 dB)		
Power Requirements	AC 220~240 V / 50 ~ 60 Hz, DC24V		
Power Consumption	80W	100W	200W
Dimensions (mm)	430×360×88mm	430×360×88mm	430×360×88mm
Gross weight	10.3 kg	11.3kg	13kg
Net weight	9.3kg	10.2kg	11.9kg



- ★ 5 MIC inputs, 2 AUX inputs, 1 Record input, 1 Record output
- ★ Priority muting for chime and siren
- ★ Three levels of priority muting: MIC1 > siren > chime
- ★ 5 LED level meter
- ★ Individual volume control for each input, master bass and treble control
- ★ Speaker outputs 100V, 70V and 4Ω
- ★ Power supply AC 220V~240V or DC 24V
- ★ Thermal, over load, short circuit protection and siren

Mixing Amplifier



PA 230 Classroom broadcast amplifier

- ★ USB port, built-in MP3 Player, supporting playing MP3 programs in flash disk or portable hard disk
- ★ 2 microphone input, MIC 1 with priority for emergency announcement
- ★ Microphone inputs with optional frequency shift function ranging from 2Hz to 5Hz
- ★ 2 AUX inputs linking with external sound devices
- ★ Individual volume control for each MIC & AUX input, master tremble and bass control
- ★ 20W output power, speaker output 4 ohm linking with low impedance speaker

PA Amplifier Series

Model	PA6425	PA6438	PA6450
Output	250W RMS	380W RMS	500W RMS
Input sensitivity	1V		
S/N Ratio	>85dB		
Frequency Response	80Hz~16kHz / ±3dB		
THD 4 /1kHz	<0.5 %		
Cooling Style	12V DC Fan		
Indicators	Power: Red, Clip: Red", Sound: Green, Protection: Red, Temperature: Orange		
Protection	Turn on delay, thermal, DC fault, short circuit		
240V AC Fuse	F6AL	F8AL	F10AL
24V DC Fuse	FB15AL/FC10AL	FB/FC: 15AL	FB/FC: 20AL
	CHIME overrides other input signals (except MIC1, SIREN) (Attenuation: 0 ~ -30 dB)		
Power Requirements	AC 220~240 V / 50 ~ 60 Hz, DC24V		
Power Consumption	500W	760W	1000W
Dimensions (mm)	88 x 483 x 390mm		
Gross weight	17 kg	19.3kg	20.3kg
Net weight	16kg	18.3kg	19.5kg



- ★ Three speaker outputs: 100V, 70V and 4Ω
- ★ 5 LED indicators for status display
- ★ XLR socket and 6.3 mm jack for amplifier link
- ★ Short circuit output protection & LED display
- ★ Series amplifiers with high output power available

Model	PA2706	PA2712	PA2725	PA2735
Rated output	60W	120W	250W	350W
Output regulation	From full-load to no-load, less than 5%.			
Output method	4Ω balanced output, 70V & 100V fixed-voltage outputs			
Zone output	Zones 1 and 2: 100V			
Auxiliary output	600Ω, 1V (0dBV)			
Input	MIC1, 2, 3 & 4: 600Ω; 2.5mV - 500mV, unbalanced			
	AUX: 10kΩ, 200mV, unbalanced			
Frequency response	MIC: 100Hz-15kHz;			
	AUX: 40Hz-20KHz			
Phantom power supply voltage	48±2V			
Harmonic distortion	< 0.5% (1kHz, 1/3 rated power)			
Line S/N (4Ω output)	70dB	72dB	76dB	77dB
Microphone S/N (4Ω output)	70dB	72dB	76dB	77dB
Tone adjustment	Bass: ±10dB (100Hz)			
	Treble: ±10dB (10kHz)			
Protection	AC fuse, DC output protection, and overload protection			
Mute	MIC1 input overrides other inputs (attenuated by 0 to -30dB)			
Power supply	AC220-240V/50-60Hz			
Power consumption	120W	250W	500W	650W
N.W.	16.4kg	20.5kg	25.3kg	29.4kg
G.W.	14kg	18kg	22.5kg	26.8kg
Dimensions (mm)	420×400×132			



All in one Amplifier

- ★ All-in-one public address device combining CD/DVD/VCD/MP3/MP4 player, tuner, pre-amplifier and power amplifier together.
- ★ Fluorescence digital display, totally-digitalized tactile control.
- ★ Equipped with USB interface, supports common USB flash disk, mobile hard disk, etc.
- ★ Phantom power supply for 1-channel AUX input, 4-channel microphone XLR input, and 4-channel microphone.
- ★ Built-in chime generator, chime short-circuit toggles output instantly.
- ★ Chime signal overrides 4-channel microphone signal, CD/DVD/VCD/MP3 player signal, tuner signal and AUX signal.
- ★ High and low tone control, and volume control available.
- ★ 100V and 70V fixed-voltage output and 4Ω-16Ω fixed-resistance (balanced, not grounded) output.
- ★ 100V fixed-voltage output for 2 zones.

Column Speakers

Indoor Series

MODE	WL321	WL322	WL323	WL324	WL325	WL326
NOML POWER	10W	20W	30 W	40 W	50 W	60W
MAX POWER	15W	30W	45W	65W	75W	90W
SENSITIVITY(1m,1W)	91dB	91dB	91dB	91dB	91dB	91dB
FREQ.RESP.	140-12,000Hz	140-12,000Hz	140-12,000Hz	140-12,000Hz	140-12,000Hz	140-12,000Hz
DIMENSIONS(H×W×L)	310x160x115mm	410x160x115mm	500x160x115mm	600x160x115mm	950x165x125mm	1125x160x125mm
WEIGHT	2.5Kg	4Kg	5.5Kg	7Kg	8.5Kg	10Kg
RED	Public	Public	Public	Public	Public	Public
BLUE	10W	20W	30W	40W	30W	40W
WHITE	15W	30W	45W	60W	45W	60W



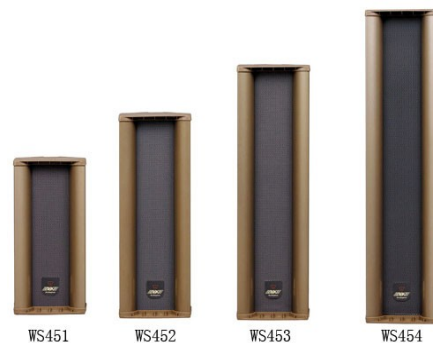
Indoor Series

MODE	WS-481	WS-482	WS-483	WS-484
NOML POWER	10W	20W	30W	40W
MAX POWER	15W	30W	45W	60W
LINE VOLTAGE	70-100V	70-100V	70-100V	70-100V
SENSITIVITY(1m,1W)	87dB	89dB	91dB	93dB
MAX SOUND PRESSURE LEVEL(1m)	97dB	102dB	106dB	109dB
FREQ.RESP.	140-14,000Hz	140-14,000Hz	140-14,000Hz	140-14,000Hz
DIMENSIONS(H×W×L)	310x160x120mm	400x160x120mm	500x160x120mm	610x160x120mm
WEIGHT	2.5Kg	3.5Kg	4.5Kg	5.5Kg



Outdoor Series

MODE	WS451	WS452	WS453	WS454
NOML POWER	10W	20W	30W	40W
MAX POWER	15W	30W	45W	60W
LINE VOLTAGE	70-100V	70-100V	70-100V	70-100V
SENSITIVITY(1m,1W)	87dB	89dB	91dB	93dB
MAX SOUND PRESSURE LEVEL(1m)	97dB	102dB	106dB	109dB
FREQ.RESP.	140-14,000Hz	140-14,000Hz	140-14,000Hz	140-14,000Hz
DIMENSIONS(H×W×L)	310x150x125mm	410x150x125mm	500x150x125mm	620x150x125mm
WEIGHT	2.3Kg	3.3Kg	4.4Kg	5.5Kg

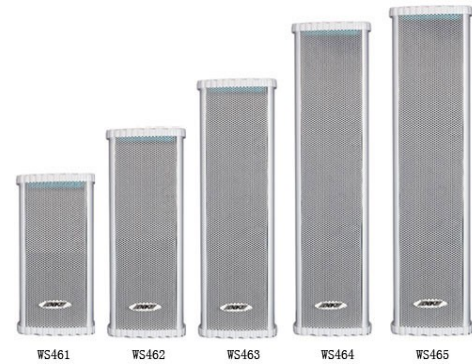


Outdoor Series

Mode	WS-441	WS-442	WS-443	WS-444
Full-range Speaker / HF Driver	4"x2, 2.5"x2	4"x4, 2.5"x2	4"x6, 2.5"x2	4"x8, 2.5"x2
Normal Power	15W	30W	45W	60W
Max Power	30W	60W	90W	120W
Line Voltage	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	89dB	91dB	93dB	94dB
Max Sound Pressure Level(1m)	101dB	106dB	110dB	112dB
Freq. Resp.	140-14,000Hz	140-14,000Hz	140-14,000Hz	140-14,000Hz
Dimensions	310x250x160mm	410x250x160mm	510x250x160mm	620x250x160mm
Weight	3kg	5.5kg	8kg	10.5kg



MODE	WS-461	WS-462	WS-463	WS-464	WS-465
NOML POWER	5W	8W	12W	15W	20W
MAX POWER	8W	15W	20W	30W	35W
LINE VOLTAGE	70-100V	70-100V	70-100V	70-100V	70-100V
SENSITIVITY(1m,1W)	90dB	88dB	88dB	88dB	88dB
MAX SOUND PRESSURE	94dB	98dB	99dB	101dB	102dB
FREQ.RESP.	140 - 14,000Hz	140 - 14,000Hz	140-14,000Hz	140-14,000Hz	140-14,000Hz
DIMENSIONS(H×W×L)	285x110x110mm	400x110x110mm	590x110x110mm	730x110x110mm	870x110x110mm
	110mm	110mm	110mm	110mm	110mm
WEIGHT	1.4Kg	2.2Kg	3Kg	3.8Kg	4.6Kg



Picture Frame Speakers

Mode	WL-341	WL-342
Normal Power	5W	8W
Max Power	10W	15W
Line Voltage	70-100V	70-100V
Sensitivity(1m,1W)	89dB	89dB
Max Sound Pressure Level(1m)	97dB	100dB
Freq. Resp.	200-12,000Hz	200-12,000Hz
Dimensions	400x300x45mm	500x400x45mm
Weight	1.6kg	3kg



(All the pictures can be custom-made according to the client's requirement)

Ceiling Speakers



WA-111

WA-112

WA-121

WA-122

WA-123

WA-124

Mode	WA-111	WA-112	WA-121	WA-122	WA-123	WA-124
Full-range Speaker / HF Driver	4.5"x1	6.5"x1	4.5"x1	6.5"x1	6.5"x1	6.5"x1
Normal Power	3W	6W	3W	6W	6W	3W
Max Power	6W	10W	6W	10W	10W	6W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	91dB	92dB	91dB	92dB	92dB	93dB
Max Sound Pressure Level(1m)	96dB	100dB	96dB	100dB	100dB	98dB
Freq. Resp.	100-16,000Hz	80-14,000Hz	100-16,000Hz	80-14,000Hz	80-14,000Hz	130-18,000Hz
Hole for Mounting	Ø154-Ø162mm	Ø178-Ø190mm	Ø154-Ø164mm	Ø178-Ø190mm	Ø178-Ø190mm	Ø165-Ø170mm
Dimensions	80xØ175mm	80xØ210mm	80xØ180mm	80xØ210mm	80xØ210mm	70xØ186mm
Weight	0.9kg	1.1kg	0.8kg	1.0kg	1.0kg	0.5kg



WA-125



WA-131



WA-141



WA-221



WA-222

Mode	WA-125	WA-131	WA-141	WA-221	WA-222
Full-range Speaker / HF Driver	4.5"x1	4.5"x1	3"x1, 2"x1	4.5"x1	10"x1,3"x1,1"x1
Normal Power	3W	3W	10W	6W	40W
Max Power	6W	6W	15W	10W	80W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	91dB	90dB	90dB	92dB	91dB
Max Sound Pressure Level(1m)	97dB	96dB	100dB	100dB	107dB
Freq. Resp.	100-16,000Hz	100-16,000Hz	100-18,000Hz	80-14,000Hz	40-20,000Hz
Hole for Mounting	Ø154xØ164mm	150x150mm	125x195mm	Ø155xØ158mm	Ø192-Ø196mm
Dimensions	70xØ180mm	90x180x180mm	90x220x150mm	110xØ174mm	115xØ210mm
Weight	0.6kg	0.8kg	1.2kg	1.2kg	1.6kg



WA-251(Sub-woofer)

WA-261

WA-262

WA-263

WA-264

WA-265

Mode	WA-251	WA-261	WA-262	WA-263	WA-264	WA-265
Full-range Speaker / HF Driver	8"x1	3"x1	4.5"x1	4.5"x1	4.5"x1	4.5"x1
Normal Power	20W	3W	3W	3W	3W	3W
Max Power	40W	6W	6W	6W	6W	6W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	91dB	91dB	91dB	91dB	93dB	91dB
Max Sound Pressure Level(1m)	103dB	96dB	96dB	96dB	97dB	97dB
Freq. Resp.	50-300Hz	100-14,000Hz	100-20,000Hz	160-16,000Hz	130-13,000Hz	100-16,000Hz
Hole for Mounting	Ø245-Ø250mm	Ø102-Ø104mm	Ø150-Ø156mm	Ø150-Ø156mm	Ø115xØ156mm	Ø150-Ø156mm
Dimensions	180xØ280mm	102xØ121mm	128-Ø180mm	125xØ200mm	183xØ83mm	110-Ø180mm
Weight	0.8kg	0.4kg	0.8kg	0.9kg	1.25kg	0.8kg

Wall-mount Box Speakers



WL-351

WL-352

WL-354

WL366

WL359

Mode	WL-351	WL-352	WL-354	WL366	WL359
Full-range Speaker / HF Driver	6.5"x1, 2.5"x1	4"x6"x1	6.5"x1	4x6"x1	3"x1
Normal Power	6W	6W	10W	10W	1W
Max Power	10W	10W	15W	15W	2W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	92dB	91dB	91dB	91dB	86dB
Max Sound Pressure Level(1m)	100dB	99dB	99dB	101dB	89dB
Freq. Resp.	160-18,000Hz	200-12,000Hz	200-12,000Hz	80-18,000Hz	250-9,000Hz
Dimensions	275x185x120mm	260x175x85mm	290x210x101mm	314x203x119mm	120x120x60mm
Weight	1.2kg	1.5kg	1.9kg	2.4kg	0.4kg

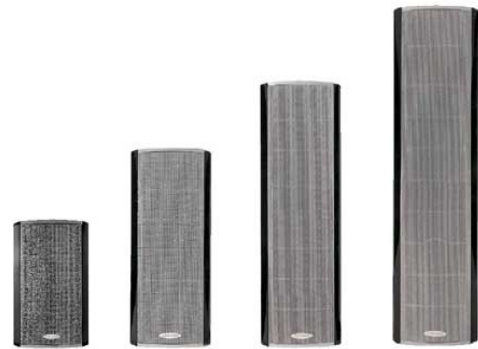
Indoor Series (Piano-painting Surface)

Mode	WS4641	WS4642	WS4643	WS4644
Full-range Speaker / HF Driver	4"x1, 2.5"x1	4"x2, 2.5"x1	4"x3, 2.5"x1	4"x4, 2.5"x1
Normal Power	10W	20W	25W	30W
Max Power	20W	40W	50W	60W
Line Voltage	100V	100V	100V	100V
Sensitivity(1m,1W)	89dB	90dB	91dB	91dB
Max Sound Pressure Level(1m)	99dB	103dB	105dB	106dB
Freq. Resp.	170-16,000Hz	170-16,000Hz	170-16,000Hz	170-16,000Hz
Dimensions	300x106x120mm	420x106x120mm	540x106x120mm	660x106x120mm
Weight	2.8kg	4kg	5.2kg	6.2kg



Indoor Series (Piano-painting Surface)

Mode	WS4971	WS4972	WS4973	WS4974
Full-range Speaker / HF Driver	4"x1, 2.5"x1	4"x2, 2.5"x1	4"x3, 2.5"x1	4"x4, 2.5"x1
Normal Power	10W	20W	25W	30W
Max Power	20W	40W	50W	60W
Line Voltage	100V	100V	100V	100V
Sensitivity(1m,1W)	89dB	90dB	91dB	91dB
Max Sound Pressure Level(1m)	99dB	103dB	105dB	106dB
Freq. Resp.	160-16,000Hz	160-16,000Hz	170-16,000Hz	170-16,000Hz
Dimensions	256x91x171mm	371x91x171mm	486x91x171mm	601x91x171mm
Weight	2.6kg	3.6kg	6kg	6kg



Mode	WA241 / WA241G / WA241S
Full-range Speaker / HF Driver	4"x1, 2"x1
Normal Power	8W
Max Power	15W
Line Voltage	70-100V
Sensitivity(1m,1W)	88dB
Max Sound Pressure Level(1m)	101dB
Freq. Resp.	130-20,000Hz
Hole for Mounting	Ø192xØ200mm
Dimensions	115xØ220mm
Weight	2kg





Mode	WL-353	WL-356
Full-range Speaker / HF Driver	6.5"x1	4.5"x1
Normal Power	15W	3W
Max Power	30W	6W
Line Voltage	70-100V	50-100V
Sensitivity(1m,1W)	90dB	91dB
Max Sound Pressure Level(1m)	102dB	96dB
Freq. Resp.	110-18,000Hz	200-16,000Hz
Dimensions	195xØ230mm	87x228x173mm
Weight	2kg	0.8kg

Indoor Series

MODE OUT-DOOR	WL-311B / W	WL-312B / W	WL-313B / W
NOML POWER	20W	30W	40W
LINE VOLTAGE	70-100V	70-100V	70-100V
SENSITIVITY(1m,1W)	89DB	90DB	91DB
FREQ.RESP.	80-20,000HZ	75-20,000HZ	70-20,000HZ
DIMENSIONS(H×W×L)	215*170*150MM	242*182*162MM	284*215*189MM
WEIGHT	2.2KG	3.5KG	4KG



Indoor Series

MODE OUT-DOOR	WL-331	WL-332
Full-range Speaker	6.5"x1,3"x1	6.5"x2,3"x1
NOML POWER	8W	15W
LINE VOLTAGE	16W	30W
SENSITIVITY(1m,1W)	70-100V	70-100V
FREQ.RESP.	100-16,000Hz	100-16,000Hz
DIMENSIONS(H×W×L)	330x150x200m m	500x150x200m m
WEIGHT	3.8KG	5.1KG



Horn Speakers



WT551

WT552

WT553

WT554

WT364

WT556

Explosion Protection

Mode	WT551	WT552	WT553	WT554	DSP364	WT556
Normal Power	15W	30W	4W	4W	30W	20W
Max Power	20W	40W	15W	30W	45W	40W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	105dB	105dB	100dB	100dB	92dB	105dB
SPL	117dB	120dB	110dB	110dB	108dB	118dB
Freq. Resp.	400-8,000Hz	400-8,000Hz	400-8,000Hz	400-8,000Hz	280-8,000Hz	400-10,000Hz
Dimensions	195x195x250mm	250x250x285mm	135x215x215mm	237x237x286mm	210x170x255mm	252x252x355mm
Weight	1.7kg	2kg	1.5kg	2.5kg	2.8kg	6.7kg



WT2012



WT3009A



WT3013A



WT3029A

Mode	WT2012	WT3009A	WT3013A	DSP3029A
Normal Power	150W	150W	300W	1000W
Max Power	250W	300W	600W	2000W
Line Voltage	70-100V	70-140V	70-200V	200V
Sensitivity(1m,1W)	96dB	104dB	108dB	110dB
Max Sound Pressure Level(1m)	118dB	124dB	131dB	140dB
Freq. Resp.	50-20,000Hz	20-18,000Hz	70-18,000Hz	100-16,000Hz
Dimensions	580x430x310mm	460x560x650mm	610x1040x760mm	660x690x900mm
Weight	21kg	25kg	45kg	61kg

Outdoor Speakers



WS-691B



WS-691W



WS-692



WS693



WS662R



WS662G



WS662Y

Mode	WS-691B	WS-691W	WS-692	WS693	WS662R	WS662G	WS662Y
Full-range Speaker / HF Driver	6.5"x1, 3"x2		3"x5"3 2.5"x3	6.5"x1	4"x6"x2		
Normal Power	15W		15W	15W	20W		
Max Power	30W		20W	25W	30W		
Line Voltage	70-100V		70-100V	70-100V	70-100V		
Sensitivity(1m,1W)	90dB		88dB	89dB	90dB		
Max Sound Pressure Level(1m)	102dB		100dB	104dB	103dB		
Freq. Resp.	100-14,000Hz		140-15,000Hz	200-10,000Hz	100-8000Hz		
Dimensions	765x195x300mm		820x265x265mm	180x900mm	460x410mm		
Weight	5kg		5.6kg	6kg	9kg		



WS-663



WS-664



WS-666



WS-670



WS-673

Mode	WS663	WS664	WS666	WS-670	WS-673
Full-range Speaker / HF Driver	6.5"x1	6.5"x1	6.5"x1	5"x1, 3"x1	5"x1, 2"x1
Normal Power	20W	10W	15W	15W	10W
Max Power	30W	20W	25W	30W	20W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	93dB	91dB	89dB	88dB	88dB
Max Sound Pressure Level(1m)	103dB	100dB	102dB	102dB	101dB
Freq. Resp.	150-15,000Hz	150-13000Hz	200-10,000Hz	80-16,000Hz	100-14,000Hz
Dimensions	360x350mm	360x350mm	350x360x360mm	400x400x400mm	320x220x460mm
Weight	7.5kg	4.5kg	7.0kg	8.8kg	5.0kg



WS-674



WS-675



WS-676



WS-677



WS-678

Mode	WS-674	WS-675	WS-676	WS-677	WS-678
Full-range Speaker / HF Driver	5"x1, 3"x1	5"x1, 3"x1	5"x1, 3"x1	5"x1, 3"x1	5"x1, 2"x1
Normal Power	15W	15W	15W	15W	10W
Max Power	30W	30W	30W	30W	20W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	88dB	88dB	88dB	86dB	87dB
Max Sound Pressure Level(1m)	99dB	100dB	100dB	99dB	97dB
Freq. Resp.	100-15,000Hz	100-15,000Hz	90-15,000Hz	90-14,500Hz	90-14,500Hz
Dimensions	297x270x530m m	380x250x395m m	360x240x390m m	350x220x430m m	300x230x375m m
Weight	5.5kg	5.5kg	5kg	6kg	5kg



WS-682



WS-684



WS-687



WS-688



WS-685



WS-686



WS-668

Mode	WS-682	WS-684	WS-687	WS-688	WS-685	WS-686	WS-668
Full-range Speaker / HF Driver	5"x1, 2"x1	5"x1	6.5"x1	4"x1	5"x1	6.5"x1	5"x1,1"x1
Normal Power	20W	10W	20W	10W	10W	15W	15W
Max Power	30W	20W	40W	20W	20W	30W	30W
Line Voltage	70-100V	70-100V	70-100V	70-100V	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	88dB	90dB	89dB	90dB	88dB	88dB	90dB
Max Sound Pressure Level(1m)	99dB	100dB	102dB	100dB	98dB	10dB	100dB
Freq. Resp.	100-14,000Hz	150-15,000Hz	95-16,000Hz	160-12,000Hz	100-12,000Hz	90-14,000Hz	80-20,000Hz
Dimensions	530x260x280m m	650x60x510 mm	470x405x200m m	550x290x480m m	220xØ240mm	320xØ350mm	43.5xØ23.5mm
Weight	5kg	4kg	11kg	7kg	1.8kg	3.3kg	4.8kg



WS4701 WS4702

Phased Array Column Speaker

Rear Panel

- ★The Speaker can engender kinds of virtual bevel, concave,convexity or more complicated figure sound beam from acoustic theory and the virtul sound beam can be remote controlled by IR controller or computer network
- ★Active colume speaker,built in digital signal processor and digital amplifier, no need to use extra amplifier
- ★Compatible line signal input (300mV) and PA power signal input (70V/100V)
- ★All kinds parameters such as Volume , Tone, EQ, Time Delay adjustment available
- ★LED screen at the buttom can display all real time parameters information for reference
- ★Long-distance computer can remote controlled & monitor the status of the speaker via network

MODEL	WS 4701	WS4702
Power	100W	150W
Frequency Resp.	100~20KHz	100~20KHz
Horizontal Effective Angle	120°	120°
Vertical Effective Angle	30°	30°
Major Lobe (Beam) Focus Adjustable Range	5m~200m ; -5m~-200m,	5m~200m ; -5m~-200m,
Major Lobe (Beam) Vertical Adjustable Range	(-)-60°~(+)+60°	(-)-60°~(+)+60°
Speaker units	4" x 10 (10W/8ohm each)	4" x 15 (15W/8ohm each)
Sensitivity / Max.SPL	98dB (1m,1W) / 118dB	98dB (1m,1W) / 120dB
Line inputs level	300mV	300mV
PA Power input level	70V / 100V	70V / 100V
XLR Terminal Input Sensitivity (Option)	300/500/1000±10% mV	300/500/1000±10% mV
Voltage Terminal Input Sensitivity (Option)	30 /50/100±10% V	30 /50/100±10% V
Voltage Output Power (Each channel)	≥10W (8Ω@1K Sine Wave) V	≥10W (8Ω@1K Sine Wave) V
Output Noise	<10 (30k Low pass) mV	<10 (30k Low pass) Mv
Distortion (Frequency Resp. Range)	<3%	<3%
E.Q. Compensation (Frequency Resp. Range)	±12 (14 Selection) dB	±12 (14 Selection) dB
Power Supply	AC220V (+10%,-20%), 50Hz	AC220V (+10%,- 20%), 50Hz
N.W.	12.5KG	17.5KG
Dimension (H.W.L)	1300X160X110MM	1950X160X110MM



WS915 / WS916 / WS918

Mode	WS915	WS916	WS918
Full-range Speaker / HF Driver	5"x1,1"x1	6"x1,1"x1	8"x1,1"x1
Normal Power	20W	40W	60W
Line Voltage	70-100V	70-100V	70-100V
Sensitivity(1m,1W)	92dB	92dB	92dB
Max Sound Pressure Level(1m)	105dB	108dB	110dB
Freq. Resp.	60-20,000Hz	50-20,000Hz	45-20,000Hz
Dimensions	Ø223x196 mm	Ø241x231 mm	Ø192xØ 194mm
Hole For Mounting	Ø165-Ø170 mm	Ø198-Ø203 mm	Ø241-246 mm
Weight	2.6kg	4kg	5.7kg

Microphone Series



AM 10



AB 100



AM 200



CM 206



PA 2080R

Mode	AM-10	AB-100	AM-200	CM-206
Freq. Resp.	50-13,500Hz	250-6,000Hz	50-15,000Hz	50-13,500Hz
Impedance	600Ω	500Ω	600Ω	500Ω
Sensitivity	-50dB±1dB	-74dB	-54dB±3dB	-74dB
Dimensions(HxWxL) m	250x190x130m	100x60x50 mm	420x150x150m	420x150x150m
Weight	1.4kg	0.165kg	1.4kg	1.4kg

Volume Controller



VC60 / VC60F



VC66/VC 66F



VC-61 /VC-61F



VC-67/ VC-67F

67F

Mode	VC- 60	VC -60F	VC- 66	VC -66F	VC -61	VC-61F	VC- 67	VC -67F
Capacity	6W							
Extension	30W/60W 120W/200W (Option)							
Selection Switch			√	√			√	√
Emergency Function		√		√		√		√
Panel Color	White/Yellow/Green/Blueness (Option)							
Dimensions(HxWxL))	85x85x60mm							

AXT Multimedia PA System:



AXT 7701/AXT 7702 MultiMedia Public Address Host



AXT 7200 Extender



AXT 7200 Extender

- ◆ For AXT 7000 series extension;
- ◆ For ADR series, extending with alarm module and phone module;
- ◆ For AXT 5000 series, extending with alarm module and phone module;
- ◆ 1-12 modules can be extended in one Extender, and links are available.

AXT7506/512/7525/7535 Dual Channel Power Amplifiers



AXT7703 Audio Source Switcher



AXT-7601 Remote Paging Selector

AXT7506/512/7525/7535 Dual Channel Power Amplifiers

- ◆ Diagnostic card capability is optional.
- ◆ Tone and Volume Control.
- ◆ Output voltage-70v,100v,200v/three wire mode.
- ◆ Phonetic File card for alarm is optional.

AXT7703 Audio Source Switcher

- ◆ 6 mono channels, 2 mic input.
- ◆ 8 mono channels output switch.
- ◆ Main PA system and spare PA system switch able, ensure PA system stabilization.
- ◆ Easy operation status, connect to main system automatically when power is break.

AXT-7601 Remote Paging Selector

- ◆ Cable remote paging range up to 1 km.
- ◆ 64 zones, Switching at we'll.
- ◆ 2 chimes available.
- ◆ Volume adjustable.
- ◆ Zone indicator, volume level indicator.

Conference System

MODEL	PA2906	PA2912	PA2925	PA2935
RATED POWER	60W	120W	250W	350W
OUTPUT ADJUSTMENT RADIO	<3dB (Full to Empty)			
	MIC:2.5±0.5MV (unbalanced)			
INPUT SENSITIVITY	MIC:5±1MV (balanced)			
	LINE:250±50MV			
FREQ RESP	50Hz-20KHz ±3dB			
THD	<0.5% at 1KHz			
S/N RATIO	MIC:71dB			
	LINE:85dB			
EQUILIBRIUM	64HZ: ±12dB			
	160HZ: ±12dB			
	400HZ: ±12dB			
	1KHZ: ±12dB			
	2.5KHZ: ±12dB			
	6.4KHZ: ±12dB			
	15KHZ: ±12dB			
PROTECTION	DC Output, overload, short-circuit			
MUTE	MIC1>Chime			
POWER SUPPLY	AC220V/50HZ, DC24V			
FREQ SHIFT RANGE	0-5HZ			
POWER CONSUMPTION	120W	250W	500W	650W
DIMENSIONS (H x W x L)	88 x 430 x 368 MM			
GROSS WEIGHT	12.5 Kg	13.5 Kg	15.5Kg	16.5Kg
NET WEIGHT	11 Kg	12 Kg	14Kg	15 Kg

Central Control Unit (with Amplifier)

- ◆ 6 balanced MIC inputs with phantom power, 4AUX inputs
- ◆ Built-in anti-feedback circuit, frequency shifter & equalizer
- ◆ With multifunction of pre amplifier
- ◆ All sections and their status can be shown on the rolling window.
- ◆ Suitable for conference public address



Digital Conference System



Digital Control Unit MA 2941

- ◆ Up to 128 MIC link with one unit, Max.4096 MIC link through multi-unit series
- ◆ Up to 5 translation units link for 6 language simultaneous translation
- ◆ Audio input port for external sound source input, outputs to linking amplifiers or recorder for broadcast or record
- ◆ MIC in-use amount limitation (1/2/4/6 available), chairman MIC unit exemption
- ◆ Built-in equalizer & frequency shifter for anti-feedback
- ◆ Link with telephone intercoupler for telephone meeting

- ◆ Using for speech & voting
- ◆ Built-in flat speaker and earphone socket with volume control function
- ◆ Detachable high-directivity microphone with anti-feedback function
- ◆ Chairman unit with LCD screen for information display
- ◆ Built-in equalizer & frequency shifter for anti-feedback
- ◆ "hand-in-hand" series mode, easy for connection among units



Chairman Unit MA2942



Member Unit MA2943



Digital Programmable Control unit MA2991

- ◆ Offering multi-conference modes including free-talk mode, alterbate-talk mode and active microphone limitation mode
- ◆ Control init manage the number of active microphones and their activation mode
- ◆ Voice amplification through amplifier and speakers in the system
- ◆ Audio input/ output port acan connect with amplifier or recorder
- ◆ Telephone input port offering telephone meeting function
- ◆ Connect with up to 105 microphones in the system



Chairman unit AM21



Member unit AM22

Extension Cables	2m	5m	10m	CL64 cross Connector
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Family Music Console



PA 2341 Luxury Family Music Playing & Control Device

- ◆ Modern family music playing and control device with multi-functions
- ◆ Built-in MP3 player, FM & AM digital radio
- ◆ USB port supporting programme playing in external flash disk / portable hard disk
- ◆ With DVD, PC, TV, AUX audio inputs, MP3 and radio audio outputs
- ◆ Up to 6 stereo audio outputs to 6 rooms, independent volume & tone control, and optional sound source input functions in each room
- ◆ Music playing and control functions available from both system control device operation and room remote control operation
- ◆ Timing playing function managing 4 external sound source devices and 2 built-in sound sources
- ◆ 100 timing points with second unit in one day, weekly timing periodic playing



PA 2346 Standard Family Music Playing & Control Device

- ◆ Modern family music playing and control device with 6-zone control functions
- ◆ With remote control pad and infrared controller, room remote control functions available such as room turnon/turnoff, sound source selection, volum and tone control
- ◆ Control device with amplifier function having 6 channel outputs, with 6 stereo audio inputs including DVD、MP3、Radio、PC、TV、AUX
- ◆ Control device with signal matrix function (6 sound source inputs, 6 zone outputs)
- ◆ Soft-touch operation, key prompt tone funtion, with status indictor
- ◆ 6-room independent turnon/turnoff, volume & tone control function
- ◆ Supplying with remote control pad and controller for room turnon/turnoff, sound source selection, volume and tone control
- ◆ With operation status memory function after power off



- ◆ Easy-operation wired remote controller pad for HM6812 Family Music Playing & Control Device
- ◆ Soft-touch operation
- ◆ Same functions with control device including room sound source selection, volume and tone control
- ◆ With key prompt tone, sound source open indicating function
- ◆ With presetting address code in each controlled room
- ◆ Up to 300 meters control distance from control device
- ◆ Remote control by infrared controller

PA 2347 Standard Remote Control Pad



- ◆ Easy-operation wired remote controller pad for HM6813 Family Music Playing & Control Device
- ◆ Soft-touch operation, luxury design with LCD display
- ◆ Same functions with control device including room sound source selection, volume & tone adjustment, MP3 programme lookup, and radio control
- ◆ With presetting address code in each controlled room
- ◆ Up to 300 meters control distance from control device
- ◆ Remote control by infrared controller

PA 2342 Luxury Remote Control Pad



- ◆ Soft-touch operation
- ◆ With sound source selection, volume and tone control function
- ◆ With AM/FM or mono/stereo (only for luxury model) switch function
- ◆ Luxury model with MP3 programme selection function

PA 2349 Infrared Remote Controller

Why to choose this system?

- ◆ ABK Family Music Console is an intelligent music playing control system installed in modern houses. Except for all functions of home compact audio system, its distinctions include:
 1. Timing playing function. At the presetting time, this system can run programmes automatically, for instance, clock bell for reminding your getting up, music playing before your coming back home, TV news cut-in the music in your room.
 2. Playing different programme in different room. The elder can enjoy light music while young people can excite for pop music in their own rooms. All these operations can be simultaneous.
 - ◆ Room Control Function, i.e., remote control operations of the control device through room's control pad, such as control device programme selection, room volume and tone adjustment.
 - ◆ System control device combines MP3 player, radio, zone selector, timer and amplifier. It has DVD, PC, TV, AUX audio input ports, MP3, radio audio output ports. 6 stereo audio output channels connect with 6 rooms. 6 remote control signal interfaces linking with remote control pads, supports two-way control between them.



Home Central Audio System AM8130

- ◆ LCD control menu with paging function for 32 zones
- ◆ Digital signal transmission, high-fidelity sound output
- ◆ Infrared remote control DVD and TV
- ◆ Special design functions for large zones
- ◆ Built in MP3 Player and Tuner, 4 audio AUX inputs
- ◆ Timing programmable and broadcasting function
- ◆ Individual stereo audio sources output in different zones
- ◆ Signal matrix function, ensuring audio sources input & Output independently



Zone Control Pad BM813R



Infrared Remoted Controller FM808

- ◆ Zones paging function
- ◆ Built in high performance digital amplifier at HI-FI level
- ◆ Audio source selection, volume & bass adjustable
- ◆ Search & display MP3 Music, Radio control
- ◆ Touch pad in wall structure
- ◆ Infrared remote control function, easy for operation

- ◆ Audio sources selection, volume & Bass adjustable
- ◆ Tuner remote function
- ◆ MP3 Player remote function

MP3 PART

ITEM	Specification
COMPATIBLE FILE TYPE	MP3 format, code rate<320kbps
COMPATIBLE DEVICE	Compatible most of devices with USB interface
FREQ.RESP.	20Hz-20KHz
DISTORTION	<0.2%

AM/FM TUNER PART

Item		Specification
AM	Freq. range	522-1620KHz
	Sensitivity	52dB μ
	S/N	35dB
	Transmission bands	6kHz
	Distortion	0.002
FM	Freq. range	87.0MHz-108.0MHz
	Sensitivity	18dB μ
	S/N	MONO 75dB, Stereo 70dB
	Transmission bands	15kHz
	Distortion	0.006
	Stereo Isolation	35dB

TIMING PART

Item	Specification
Programmable Power control	1 Channel
Socket Capacity	220V , 2A
Time Format	24 hour
Timing Points	600 points every day, all week without repeat
Zones programmable items	a. Zones switch
	b. Music source selection
	c. Volume Control
	d. Treble, bass control
	e. MP3 Player control
	f. AM/FM Control

INTEGRATION PARTS

Item	Specification	
Maximum Room control Pad Quantity	32 PCS Maximum	
Host zones Qty.	2 zones, each zone with stereo Amplifier	
Control Pad interface	CAT.5 Connector	
Audio Specification	Line input Sensitivity	500mV±50mV
	Line input Resistance	>10k Ω
	Zone output Power	4X80W/8 Ω
	Freq. Resp.	20Hz-20kHz
	Distortion	Less than 0.2%, based on 1kHz, 1/8 rated power output
	Tone Control	Bass: ±12dB/100Hz
		Treble: ±12dB/10kHz
S/N	76dB	
DC36V Power Output	<250W	
AC Power	AC220-240V/50-60Hz	
Power Consumption	<500W	
FUSE	AC220V/F8A	
Measurement (L×W×H)	430×340×132mm	
Net weight	13kg	



Home Central Audio System AM8150



Zone Control Pad BM815R



IR Remoted Controller FM808

S/N ratio	≥80dB
DC Output Voltage	40V±10%
DC Output Power	250W
Input Power	AC220-240V/50-60Hz
Production	AC220V/F8AL
Max.Power Consumption	500W
Dimension	430X340X132
Weight	13KG

◆ There are 12 zones, among which the 1st zone is of 5.1 channel (Front Left, Front Right, Rear Left, Rear Right, Center and SW) and the others are of dual channel.

◆ The 1st zone has 5.1 channel (Front Left, Front Right, Rear Left, Rear Right and Center; SW without PA but output from the line), with each channel having 60W output power. The 2nd and 3rd zones have 2 x 60W output power, and the 4th ~ 12th zones have 2x20W output power.

◆ The 1st zone is provided with 5.1 channel line input and fiber optical input function, as well as Dolby and DTS decoding functions. DSP surround processing function is provided, and different sound field effects are available for selection.

◆ AM/FM radio function is provided. This function is realized in form of modular design, and can be separated from the host for installation at a position with better receiving effect. The module is connected to the host via T568A network cable.

◆ MP3 play function and USB port are provided. Support the music files of MP3 format stored in USB disc, MP3 player, mobile HDD, card reader and other storage devices.

◆ Provided with DVD audio input port, PC audio input port, TV audio input port and one auxiliary audio input port. Also provided with line audio signal output port for zone 1 & 2, DVD/TV video input port and 12-zone video output port.

◆ Timer control function provided. The user may edit 100 timing points. With one week as a cycle, it is possible to execute timer control over the ON/OFF switching, audio source, volume, clock, AM/FM radio, MP3 play and output power ON/OFF for 12 zones.

◆ One AC220V power socket provided, with its switching state interlinked to the switch of zone. You may switch on any of the zones to switch on this power output. This power output is switched off when all the zones are switched off. Timer control over its switching state is provided.

◆ Infrared learning function provided, so that it can learn the remote controller of any brand.

◆ RS232 remote control port provided, so that the user may control the functions of this device via central control equipment.

◆ Inductive touch keys are designed for the panel, with two control modes available, i.e. local control and remote control.

◆ Video switching function provided. The video is switched in synchronization with the audio input.

Digital Intercom PA System



PA2851P Intercom Router

PA2851P Intercom Router

- ◆ With 20 joints for terminal
- ◆ It can be extended and liked
- ◆ Indicator light shows situation of every terminal
- ◆ 3 grade preference choice
- ◆ 1-4 groups of intercoms can be combined
- ◆ The furthest transmit distance is 1000m



PA2852R Remote Interphone

PA2852R Remote Interphone

- ◆ 1-100 public address terminals can be chosen directly
- ◆ The furthest transmit distance is 1000m
- ◆ With siren input and output
- ◆ 10w/4ohm amplifier is inside, speaker is outside
- ◆ 2 kinds of special chime are inside
- ◆ Indicator light shows online situation of every terminal
- ◆ Volume is adjustable and shown



PA2853M Intercom Switcher

PA2853M Intercom Switcher

- ◆ It can joint 5 PA2851P and compose an Intercom PA Sytem with 1-100 terminals
- ◆ Indicator light shows situation of every terminal



(Front view)



wireless MIC



Transmi



(Rear view)

- ◆ This portable public address system consists of one control unit (MP9988), one RF wireless transmitter and one wireless microphone.
- ◆ The system is ideal for broadcasting in store, supermarket, auditorium or outdoor use.
- ◆ The control unit is combined by amplifier and speaker. It can receive the signal transmitted from wireless microphone.
- ◆ Volume, tone and echo control available
- ◆ Efficient working distance is 30-120m(radius), efficient frequency is 190MHz-220MHz
- ◆ Wire and wireless microphone are available at the same time
- ◆ Three options of power supply; AC220V、built-in rechargeable battery、extraconnected DC12V.

Specifications:	
Frequency Band	(190-220) MHz
Frequency Response	(40-13000) Hz
Dynamic Range	110dB
Temperature	0°C-45°C
Efficient distance	Radius (30-120) m
Distortion:	<1%
Volume control:	±10dB
Frequency Stability	0.00005
Record output:	≤75mV

PA 9988
Transmitter
Wireless MIC
Collar clip
Earphone



WEP9115T Wireless PA Transmitter Host



WEP9410S / WEP9420S Solar Panel



WEP2364R Wireless Solar Speaker (Receiver)

WEP9115T Wireless PA Transmitter Host

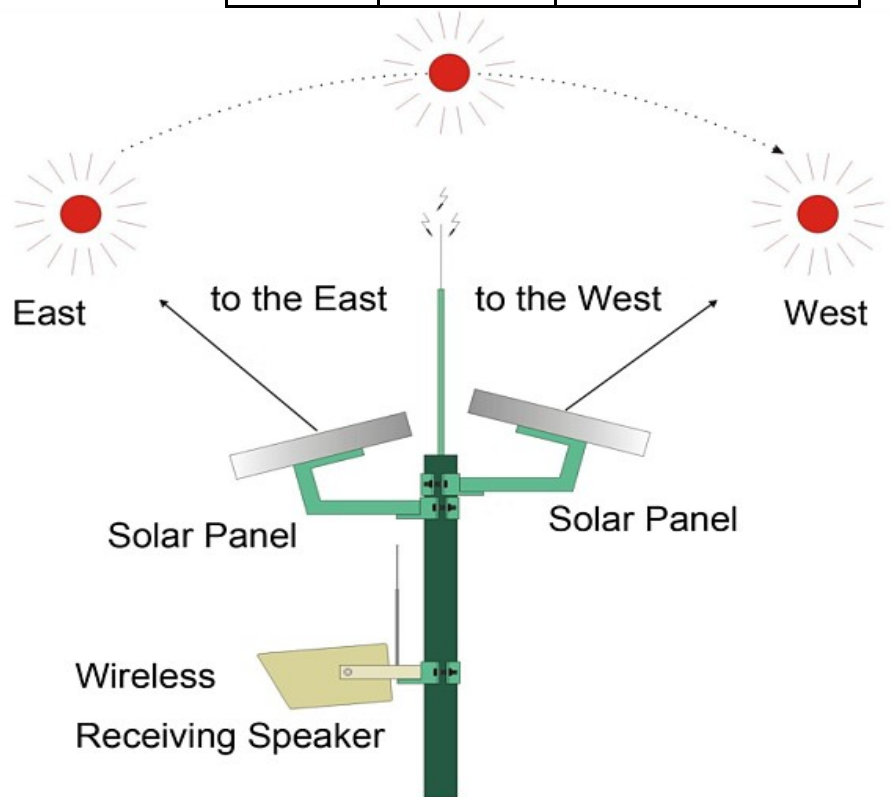
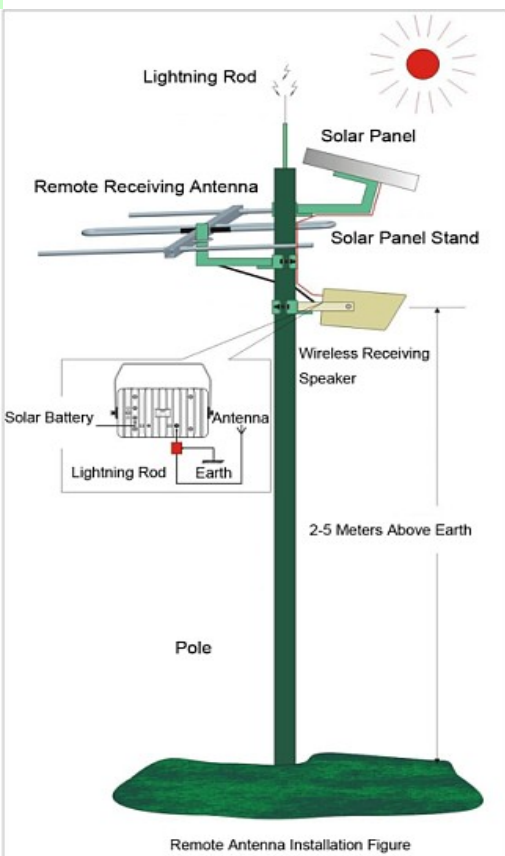
- ◆ Can connect solar batteries / wind power generator / power supply adaper etc.
- ◆ Intergrate solar full-auto charge controller and big capacity batteries.
- ◆ High sensitive speaker drivers
- ◆ Built-in 5W high efficiency digital amplifier, high sensitive wireless receiver
- ◆ Low-electricity batteries alarm indicator
- ◆ Full -auto stable swith, automatically following the host's emission frequency
- ◆ Elegant sound quality, big area outdoor auto-controlled speakers ◆All-weather speakers,waterproof and dampproof design ◆Solar battery:12V/10W

WEP9410S / WEP9420S Solar Panels

Model	WEP9410S	WEP9410S
Power	10W	20W

WEP92364R Wireless Solar Speaker / WEP9115T Wireless PA Transmitter Host

Working Temperature Range	(-)10℃ -(+)40℃	
Receiving Frequency Range	76-87MHz	
Frequency Interval	0.1MHz	
Farthest Receiving Distance	Open radius over 5000 meters	
Max.Output SPL	≧ 102dB	
Signal Transmitting Mode	wireless FM	
Max.Amplifier output Power	5W / 8 OHM (THD=1%)	
Signal to Noise	≧ 50dB	
Frequency Resp.	100Hz-16KHz	
Power Input Terminal configuration Limits	Solar Panels	WEP9410S(10W) / WEP9420S (20W)
	Outside Power Adapter	Output DC15V/0.3A(5W)
	Wind Power Generator	Output DC12V (30W)



Professional PA Speaker Series

Professional PA Speaker Series

Pro110



Drive unit	10" Subwoofer× 1, 6" HF×2
Impedance	8 Ohms
Rated Power	150W
Max. Power	300W
Sensitivity (1m,1 W)	93dB±2dB
Max. Sound Pressure Level (1m)	115dB±2dB
Freq. Response.	50-20,000Hz
Dimension (L×W×H)	498×301×275mm
Net Weight	16Kg

Pro118B Subwoofer



Drive unit	18" subwoofer ×1
Impedance	8 Ohms
Rated Power	500W
Max. Power	1000W
Sensitivity (1m,1 W)	96dB±2dB
Max. Sound Pressure Level (1m)	123dB±2dB
Freq. Response.	40-300Hz
Dimension (L×W×H)	550×510×650mm
Weight	42Kg

Pro128B



Drive unit	18" Subwoofer×2
Impedance	4 Ohms
Rated Power	1200W
Max. Power	2400W
Sensitivity (1m,1 W)	101dB±2dB
Max. Sound Pressure Level (1m)	132dB±2dB
Freq. Response.	35-300Hz
Dimension (L×W×H)	1160X595×580mm
Net Weight	84Kg

Pro101

Drive unit	12" subwoofer×1, 34 core HF×1
Impedance	8 Ohms
Rated Power	200W
Max. Power	400W
Sensitivity (1m,1 W)	96dB±2dB
Max. Sound Pressure Level (1m)	119dB±2dB
Freq. Response.	60-20,000Hz
Dimension (L×W×H)	390×400×636mm
Net Weight	24Kg

Pro102

Drive unit	15" Subwoofer×1, 44 core HF×1
Impedance	8 Ohms
Rated Power	300W
Max. Power	600W
Sensitivity (1m,1 W)	97dB±2dB
Max. Sound Pressure Level (1m)	122dB±2dB
Freq. Response.	55-20,000Hz
Dimension (L×W×H)	480×420×780mm
Net Weight	29Kg

Pro103

Drive unit	15" Subwoofer×1, 6" Mediant×1, 34 core HF×1
Impedance	8 Ohms
Rated Power	350W
Max. Power	700W
Sensitivity (1m,1 W)	97dB±2dB
Max. Sound Pressure Level (1m)	122dB±2dB
Freq. Response.	50-20,000Hz
Dimension (L×W×H)	480×490×890mm
Net Weight	38Kg

Pro104

Drive unit	15" LF ×2, 44 core HF×1
Impedance	4 Ohms
Rated Power	700W
Max. Power	1400W
Sensitivity (1m, 1 W)	97dB±2dB
Max. Sound Pressure Level (1m)	125dB±2dB
Freq. Response.	50-20.000Hz
Dimension (L×W×H)	490×550×1160mm
Net Weight	54Kg

Line array Speaker**M05**

Drive unit	5" Subwoofer ×2, 34 core HF×1
Impedance	16 Ohms
Rated Power	40-150W
LF Sensitivity	92dB±2dB
MF/ HF Sensitivity	105dB±2dB
Freq. Response.	100-20,000Hz
Dimension (L×W×H)	626×320×172mm
Net Weight	21Kg

M05B**Subwoofer**

Drive unit	15" Subwoofer×1
Impedance	8 Ohms
Rated Power	500W
Sensitivity (1m, 1 W)	98dB±2dB
Max. Sound Pressure Level (1m)	125dB±2dB
Freq. Response.	45-200Hz
Dimension (L×W×H)	626×457×448mm
Net Weight	36Kg

M08

Drive unit	8" Subwoofer ×2, 44 core HF×1
Impedance	16 Ohms
Rated Power	120-300W
LF Sensitivity	98dB±2dB
MF/ HF Sensitivity	110dB±2dB
Freq. Response.	120-18,000Hz
Dimension (L×W×H)	718×586×281mm
Net Weight	36Kg

**M08B
Subwoofer**

Drive unit	15" Subwoofer×2
Impedance	4 Ohms
Rated Power	1200W
Sensitivity	99dB±2dB
Max. Sound Pressure Level (1m)	130dB±2dB
Freq. Response.	40-120Hz
Dimension (L×W×H)	718×630×448mm
Net Weight	81Kg

M10

Drive unit	10" Subwoofer×2, 52 core HF×1
Impedance	16 Ohms
Rated Power	200-600W
LF Sensitivity	100dB±2dB
MF/ HF Sensitivity	110dB±2dB
Freq. Response.	70-16,000Hz
Dimension (L×W×H)	1084×530×343mm
Net Weight	80Kg

**M10B
Subwoofer**



Drive unit	15" Subwoofer×2
Impedance	4 Ohms
Rated Power	1200W
Sensitivity (1m,1 W)	102dB±2dB
Max. Sound Pressure Level (1m)	133dB±2dB
Freq. Response.	40-120Hz
Dimension (L×W×H)	1081×860×778mm
Net Weight	139Kg

Racks

Mode	GA39U	GA 29U	GA 19U	GA 9U
Dimensions(HxWxL)	1850x535x485 mm	1472x535x485 mm	1033x535x485 mm	591x535x485m m
Interior Size	39U	29U	19U	9U
Color	Black/Blue			



Mode	GA 1800	GA 1400	GA 800
Dimensions(HxWxL)	2005x525x625 mm	1578x525x625 mm	1117x525x625 mm
Interior Size	40U	30U	20U
Color	GREY		



ABK System reserves the rights to change any features and specifications without prior notice

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