



public address system

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 PAproducts 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

10 lines Paging Microphone HUB

Paging Selector



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 | PA2006PII | PA2012PII | PA2025PII | PA2035PII |
| 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 |



WS451

WS452

WS453

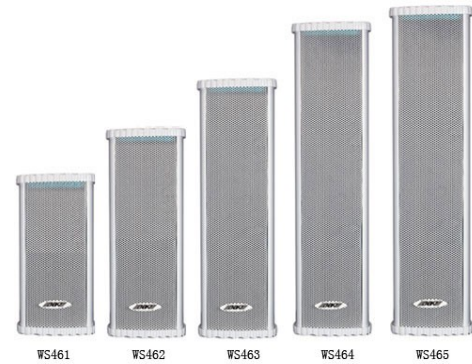
WS454

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 | Ø192xØ194mm |
| 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



AXT7506/512/7525/7535 Dual Channel Power Amplifiers



AXT7703 Audio Source Switcher



AXT-7601 Remote Paging Selector

AXT 7701/AXT 7702 (with touch screen)

- ◆ User-friendly design large screen.
- ◆ User-friendly design large screen.
- ◆ Touch screen (track ball)-simple and easy to use.
- ◆ Powerful zone matrix, 4-17 channels for audio signal input, 4-64 speaker zones for output without interference each other. 8 sound sources can be distributed to 64 zones simultaneously.
- ◆ Internal ABK sound resource, continuous BGM playing without repeat at least one week, also provide custom sound resource such as : the National Anthem, course break exercise song, Optional hourly chime and voice for any purpose of broadcast.
- ◆ Programmable interface for fire alarm. Auto announcement is possible whether the speaker selector is on or off.
- ◆ Network multipoint technology allows authorized users to manage the remote AXT PA host across network.
- ◆ "Green" operation system, the best and peripheral equipment can be programmed and timed, run with less energy automatically.
- ◆ 1-4 remote paging microphone.
- ◆ Telephone interface, enable remote phone broadcasting and holding a telephone conference.
- ◆ Diagnostic card: Auto detect short circuit open circuit and other fault when use of AXT power amplifier and classroom amplifier.
- ◆ Digital pre-record output sound card.
- ◆ AXT can record and edit program from microphone or built-in CD Player.
- ◆ The advanced automatic recover function after the failure of system.

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

- ◆ 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, 4 AUX 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 |
|-------------------------|-----------|-----------|------------|-----------------------------|

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

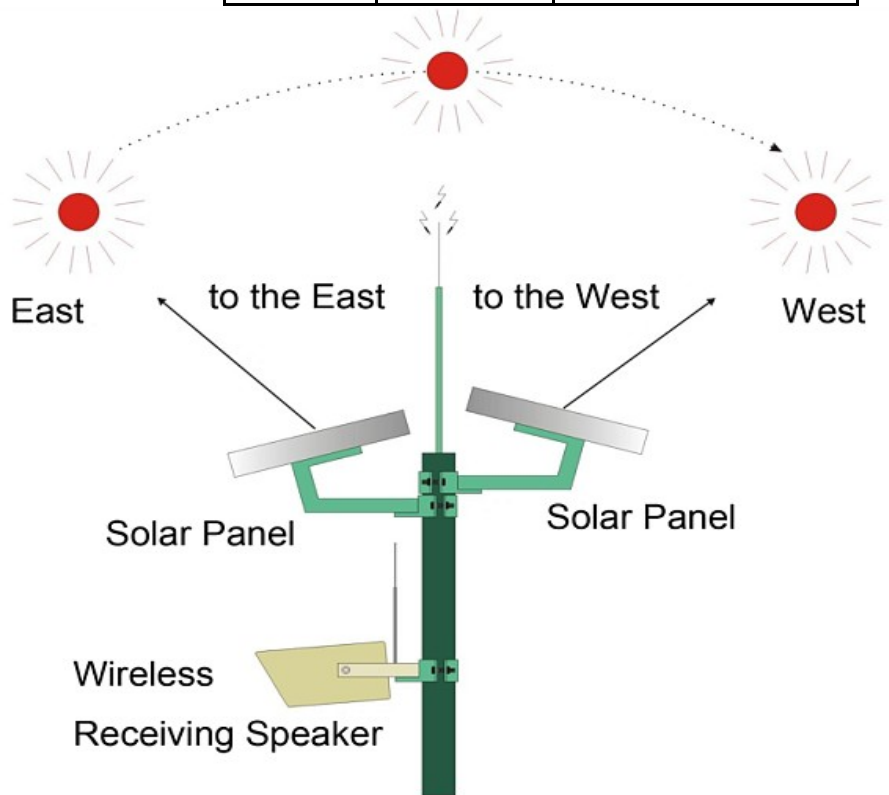
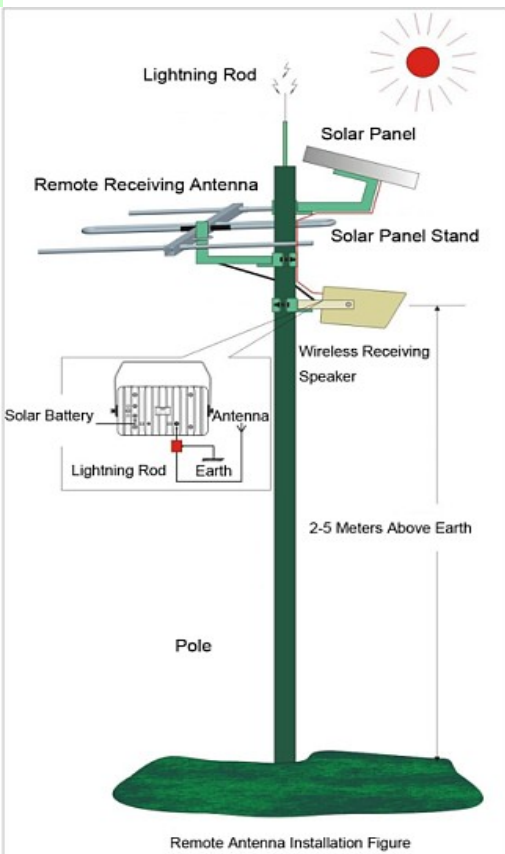
- ◆ Can connect solar batteries / wind power generator / power supply adapter etc.
- ◆ Intergrate solar full-auto charge controller and big capacity batteries.
- ◆ High sensitive speaker drivers
- ◆ Built-in 5W high efficiency digital amplifier, high sensitive wireless receiver
- ◆ Low-electricity batteries 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

FOB Guangzhou, China
One Year Manufacturer's Warranty
OEM/ODM Welcome (Contact Us for Details)
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