



# megaphone public address systems



**SAMJOO Electronics Co., Ltd.**

2330-12 Gyeongchun-Ro, Hwado-eup, Namyangju-si Gyeonggi-do, Korea

■ Tel : +82-31-594-8861 ■ Fax : +82-31-593-3780

■ E-Mail : samjoo@sje.co.kr ■ URL : www.sje.co.kr

Overseas sales

■ Tel : 82-31-594-8865 ■ Fax : 82-31-593-3780

■ E-Mail : sales@samjoo-jec.com ■ URL : www.samjoo-jec.com



**SAMJOO Electronics Co., Ltd.**

# Profile

Since its foundation in 1998, Samjoo Electronics Co., Ltd. has been manufacturing anti-howling megaphones, horn speakers, PA speakers(column/ceiling/wall speaker) step by step according to the plan of company growth.

In 2004, We had developed driver unit built with transformer which is combinable with large-diameter horn(reflex horn, trumpet horn). We had also developed the thermostable and abrasion-resistant diaphragm which applied to horn speaker and driver unit. Whose excellent quality is acknowledged in the Middle East with high temperature.

From the year of 2005, We have been producing pa amplifier and microphone.

We have been providing our products in the brand name of JEC or Buyer's brand for valuable customers in the world.

In human systems & business, We have been reorganized by ISO9001 and ISO14001 and are doing our best to meet the rapidly changing market situations through our strict quality control and constant research and development.

We produce new excellent and reliable products every year to satisfy our customer needs and all our staff are doing serve our customers as the family of Samjoo Electronics Co., Ltd..

We expect your constant concern and support. Thank you very much.

# History

- 1998 Aug.** Factory registration and trading business permission
- 2000 Mar.** CE MARK Certification(JE-303 series, JE-583 series).
- 2002 Jun.** Obtained the Q-MARK.
- 2004 Jan.** Acquired ISO 9001, ISO 14001 certifications.  
Awarded with the Gyeonggi Governor Prize in the Electronic Trade category.
- 2005 Apr.** Participated in the "Iraq Rebuilding Expo(Jordan)".
- Jun.** Obtained the CE MARK certification(Megaphone SJM-740SW)
- Oct.** Participated in the Hong Kong Electronic Expo.
- 2006 Apr.** Acquired the "Certificate of Conformity" (COC) from Saudi Arabia
- 2007 Sep.** Participated in G-Fair 2007 at KINTEX
- 2008 Sep.** Participated in NSC(National Safety Council) at Anaheim in USA
- Oct.** Participated in GITEX at Dubai World Trade Center in Dubai.
- Dec.** Participated in "23RD International Autumn Trade Fair" at Dubai World Trade Center in Dubai.
- Jan.** Designated "INNO-BIZ" from SMBC
- 2009 Mar.** Obtained the CE MARK certification (Megaphone SJM-820RSW, SJM-50BS)
- Sept.** Designated "Main-Biz" from SMBC.
- 2010 Oct.** Participated in CEATEC JAPAN 2009
- April** Participated in Vietnam Hanoi Expo 2010
- 2011 April** Participate in KOPPEX
- Oct.** Participate in G-Fair 2011 at KINTEX
- Oct.** Participate in Hong Kong electronics Fair 2011
- Dec.** Designated Promising Export Firm from SMBC.
- 2012 Oct.** Participated in Hong Kong Electronics Fair 2012







UB-RC33

## Max 20W

Portable power megaphones provide optimal reinforcement for various applications in different environment.

Being a multipurpose type megaphone with maximum output of 20 watt, durable.

It is most economical, small and even just light 0.7kg (w/o battery). The sound of it can reach far to every corner.

### ► Wherever there is an Event team play.

1. It is best to be used at crowded area and such places like traffic control, school event, cheering event, wide playground as soccer, rugby and baseball. leisure activities at sea, mountain, outdoor locations and also at swimming beach or remote mountain area.

### ► Anywhere you need to be.

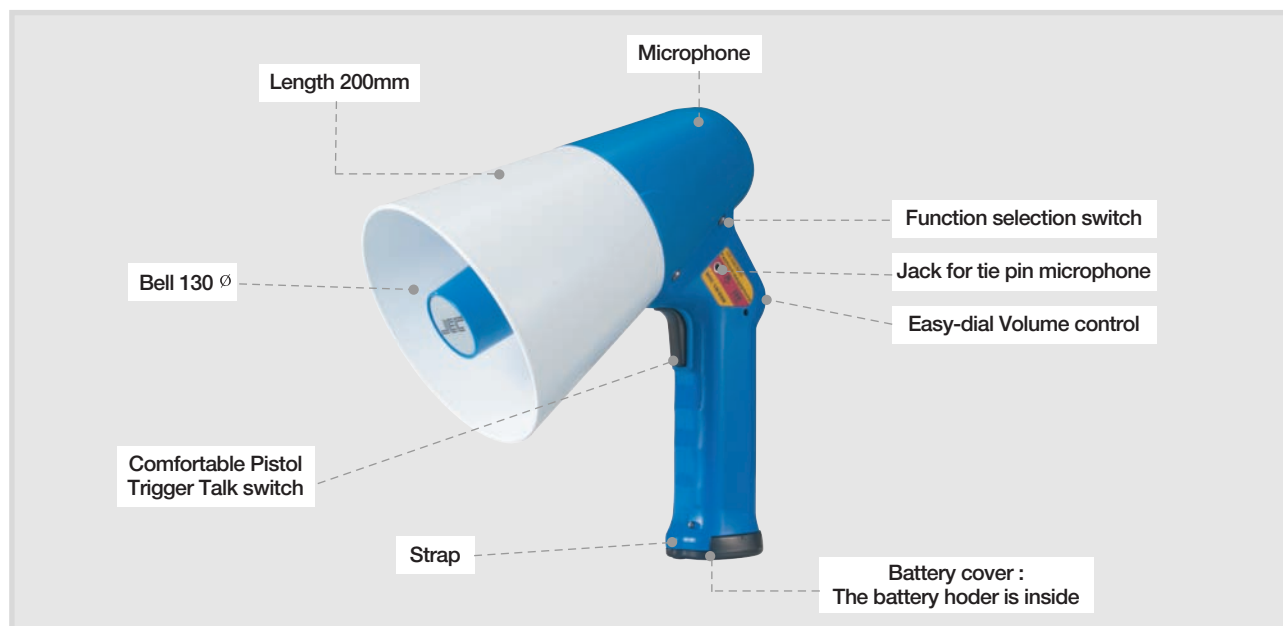
2. This model is one of reliable safety tool that can be an aid to emergency disaster (fire), natural disaster (earthquake, typhoon) and state of emergency, taking the role of prerequisite tool for guiding and instructing people at the time of extraordinary situation.

### ► Function Guide

- SJM-820A : MIC
- SJM-820SW : MIC, SIREN & WHISTLE
- Color : Red, Blue

### ► Specification

- Power : Max. 20W
- Power Source : DC 12V(battery AA 1.5V x 8PCS)
- Dimensions : 130 Ø x 200mm
- Net Weight(without battery) : 0.7Kg
- City Area : 300m(328yard)
- Out Side of the City : 900m(980yard)
- Battery life(Voice) : 8hours



## Max 35W

This model is strongly recommended as it is a multipurpose type of being able to be used either as a hand-grip type or shoulder type. Being a microphone detachable type, it is advantageous to use for long time. This model performs great effect to the use at such places as construction site, very noisy street, police station, fire station, military training, school event, outdoor convocation.

### ► Function Guide

- SJM-740A : MIC
- SJM-740SW : MIC & SIREN & WHISTLE

### ► Specification

- Power : Max. 35W
- Power Source : DC 12V(Battery CM 1.5V x 8PCS)
- Dimensions : 211 Ø x 365mm
- Net Weight(without battery) : 1.7Kg
- City Area : 400m(434yard)
- Out Side of the City : 1,400m(1,520yard)
- Battery Life(Voice) : 10 hours

## Max 35W

## Big Size Horn 260Ø!!

### ► Function Guide

- SJM-840A : MIC
- SJM-840SW : MIC & SIREN & WHISTLE

### ► Specification

- Power : Max. 35W
- Power Source : DC 12V(Battery CM 1.5V x 8PCS)
- Dimensions : 260 Ø x 386mm
- Net Weight(without battery) : 1.84Kg
- City Area : 400m(434yard)
- Out Side of the City : 1,400m(1,520yard)
- Battery Life(Voice) : 10 hours





## Max 15W

Being a multipurpose type megaphone with maximum output of 15 watt, This model take the role of prerequisite tool for crowd control, fire, sports activities etc. There are 3 colors (red, yellow, blue).

### ► Function Guide

- JE-303A : MIC
- JE-303S : MIC & SIREN
- JE-303SW : MIC & SIREN & WHISTLE

### ► Specification

- Power : Max. 15W
- Power Source : DC 12V(battery AA 1.5V x 8PCS)
- Dimensions : 190  $\phi$  x 315mm
- Net Weight(without battery) : 1Kg
- City Area : 300m(328yard)
- Out Side of the City : 900m(980yard)
- Battery life(Voice) : 8 hours



## Max 30W

This product is strongly recommendable model in terms of the cost, output, and the use. Since this model is microphone detachable shoulder type, it is advantageous when you use it for long time. This model, being a multipurpose type megaphone with output of 30watt, It can be used at a variety of such places as religious events various rescue activities, sports, police stations, guide, fire station, army trading, construction site.

### ► Function Guide

- JE-583 B : MIC
- JE-583 BS : MIC & SIREN
- JE-583 BSW : MIC & SIREN & WHISTLE

### ► Specification

- Power : Max. 30W
- Power Source : DC 9V(Battery CM 1.5V x 6PCS)
- Dimension : 211  $\phi$  x 345mm
- Net Weight : 1.7Kg
- City Area : 350m(382yard)
- Out Side of the City : 1Km(1,090yard)
- Battery Life(Voice) : 8 hours



## Max 30W

This model, being a multipurpose type megaphone with output of 30 watt, It can be used at a variety of such places as religious events, various rescue activities, sports, police stations, guide, fire station, construction site.

### ► Function Guide

- JE-583 A : MIC
- JE-583 S : MIC & SIREN
- JE-583 ASW : MIC & SIREN & WHISTLE

### ► Specification

- Power : Max. 30W
- Power Source : DC 9V(Battery CM 1.5V x 6PCS)
- Dimensions : 211  $\phi$  x 375mm
- Net Weight(without battery) : 1.6Kg
- City Area : 350m(382yard)
- Out Side of the City : 1km(1,090yard)
- Battery Life(Voice) : 8 hours



## Max 30W

Mini but Power Megaphone Being a multipurpose with maximum output of 30 watt, It is advantageous to use it for long time as it is microphone detachable shoulder type product, and also convenient to carry because it is small type with high output. It is good for you to use at picnic, marching and various events construction site.

### ► Function Guide

- JE-583 M : MIC
- JE-583 MS : MIC & SIREN
- JE-583 MSW : MIC & SIREN & WHISTLE
- JE-583 MR : MIC
- JE-583 MRS : MIC & SIREN
- JE-583 MRSW : MIC & SIREN & WHISTLE

### ► Specification

- Power : Max. 30W
- Power Source : DC 9V(Battery CM 1.5V X 6PCS)
- Dimension : 120 x 120 x 250mm(Square) / 152  $\phi$  x 250mm(Circle)
- Net Weight(Without battery) : 1.4Kg
- City Area : 300m(328yard)
- Out Side of the City : 800m(870yard)
- Battery Life(Voice) : 8 hours







## Max 40W

Microphone detachable shoulder type and mobile megaphone is used at places of fire station, police station, military unit, school event, large scale outdoor convocation and a functional safety tool in emergency disaste.

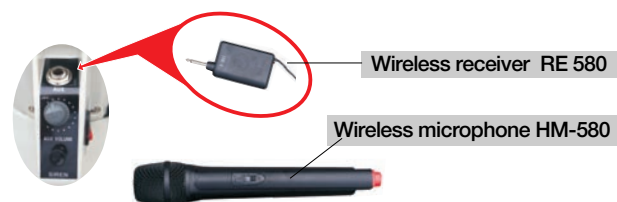
### ► Function Guide

- SJM-50B : MIC
- SJM-50BS : MIC & SIREN

### ► Specification

- Out Power : Max. 40W
- Power Source : DC 12V(Battery CM 1.5V x 8PCS)
- Dimensions : 300  $\phi$  x 460mm
- Net Weight(without battery) : 2.5Kg
- City Area : 600m(656yard)
- Out Side of the City : 1,800m(1,960yard)
- Battery Life(Voice) : 10 hours
- External power supply device 5m(DC 12V jack) fit for car.
- The external input(Aux) can be used as CD, MP3, and cassette or extension microphone cord for speech
- Mountable on an optional speaker stand

## WIRELESS & RECHARGEABLE

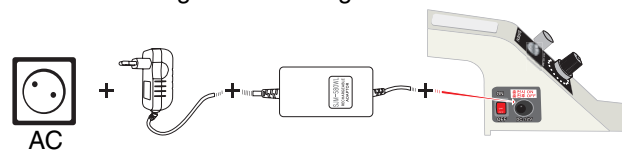


### ► Function Guide

- SJM-580WL : MIC & SIREN
- SJM-580WL-RB : MIC & SIREN

### ► Specification

- Out Power : Max. 40W
- Power Source : DC 9.6V(Lithium-ion battery CM 1.2V x 8PCS)
- Dimensions : 300  $\phi$  x 460mm
- Net Weight(without battery) : 2.5Kg
- City Area : 800m(870yard)
- Out Side of the City : 2,000m(2,870yard)
- Battery Life(Voice) : 10 hours
- Wireless function
  - VHF wireless microphone(Model HM580)
  - Wireless receiver(adaptor RE580). 1.5V AA cell
- Rechargeable adaptor : SMPS 16.8V. 1A
- How to recharge : see drawing.



## PORTABLE DIGITAL AMPLIFIER

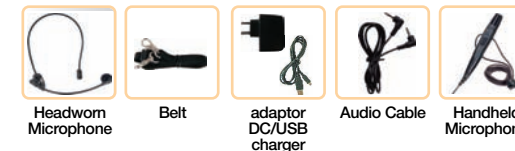


### G-Phone SM77

#### ► Features

- Rain and dust proof construction.
- Class D digital power amplification module for low power consumption.
- 12W Max output power.
- All function controlled by MCU for convenient operation.
- Electronic volume control memorizes the last volume setting.
- Intelligent battery capacity indication on top panel.
- Built-in MCU intelligent power charge management system for stable battery charge and use.
- Mini USB connector assures convenient connection with computer for recharging.
  - Supplied with high capacity rechargeable lithium ion battery.
  - Dimensions : 94mm(W) 43mm(D) x 100mm(H)
  - Weight : 240g

#### ► Standard Accessory



### G-Phone SM88

#### ► Features

- Rain and dust proof construction.
- Class D digital power amplification module for low power consumption.
- 20W Max output power.
- All function controlled by MCU for convenient operation.
- Electronic volume control memorizes the last volume setting.
- Intelligent battery capacity indication on top panel.
- Built-in MCU intelligent power charge management system for stable battery charge and use.
- Music play function supports the multi-media audio files play of USB Flash disk and TF card
  - Supplied with high capacity rechargeable lithium ion battery.
  - Dimensions : 100mm(W) 55mm(D) x 120mm(H)
  - Weight : 390g

#### ► Standard Accessory



#### ► Application



# P.A. AMPLIFIER

## MIC POWER (SJP - 1500PLUS/3000 PLUS)

### Excellent Sound Quality! Strong Power!

Our PA-Amplifier has an excellent reproduction capacity of music close to SR. Its low-noise design enables the clear reproduction of the original sound. Its automatic shutoff function protects the amplifier in case of high temperature or overload. Its system design makes it multi-functional. It is a high-end amplifier system that you can use for multiple purposes such as training center, public organization, community center, microphone broadcasting, music broadcasting, gymnasium, aerobics hall, factory sound system, apartment broadcasting system and disaster emergency broadcasting system etc.

120W



SJP-1500 PLUS

240W



SJP-3000 PLUS

### Product Features

- 4 microphones(XRL and 5.5 plug can be used)
- Phantom 24V supported for condenser microphone
- 3 external Inputs (Aux)
- Main Input/Pre out/Rec. out function
- 4 Speaker selectors, ALL x 1
- Speaker line (70V-100V) and 4Ω, 8Ω, 16Ω
- Echo delay
- Chime, emergency siren
- 3 band tone control volume
- Level meter displays the output condition
- DC 24V connector against blackout
- Built-in type of circuit breaker against high temperature and overload
- Built-in bracket for the installation of rack cabinet

### Specification

| Type                                | P. A. Amplifier  |                          |
|-------------------------------------|--|--------------------------|
| Model                               | SJP-1500 PLUS  | SJP-3000 PLUS            |
| Power Output                        | Rated : 120W   | Rated : 240W             |
| Input Channel                       | Mic : 4 ch, Line : 4 ch.   |                          |
| Out selector                        | Ch. 1, 2, 3, 4, All  |                          |
| Other function                      | Chime / Siren / Echo / Delay / Pre-out /<br>Aux input / tone control /<br>over heat protect. |                          |
| Output                              | Speaker output   | Speaker output           |
|                                     | 4Ω (22V)   | 4Ω (31V)                 |
|                                     | 8Ω (31V)   | 8Ω (44V)                 |
|                                     | 16Ω (44V)  | 16Ω (62V)                |
|                                     | 100V (83Ω)   | 100V (42Ω)               |
| Frequency Response<br>(±3dB), 8Ω/1W | 80 ~ 18,000Hz  |                          |
| Total harmonic distortion           | Less than 0.5% at 1KHz, rated power  |                          |
| S/N Ratio (DIN Audio)               | line   | More than 70dB           |
|                                     | Mic  | -52dBm/600Ω (balanced)   |
|                                     | Line   | -10dBm/15KΩ (Unbalanced) |
|                                     | Ext Amp In   | -0dBm/15KΩ Unbalanced)   |
| Preout Sensitivity                  | -0dBm/10KΩ (Unbalanced)  |                          |
| Dimensions(W x H x D)               | 420 x 90 x 350(mm)   |                          |
| Weight                              | 12KG   | 15KG                     |
| AC Power                            | AC220V/60Hz, DC24V   |                          |
| Power Consumption                   | 300watts   | 600watts                 |

# P.A. AMPLIFIER

## MULTI POWER (SJP - 1500RTC/3000 RTC)

### Product Features

- 4 microphones(XRL and 5.5 plug can be used)
- Phantom 24V supported for condenser microphone
- 3 external Inputs (Aux)
- Main Input/Pre out/Rec. out function
- 4 Speaker selectors, ALL x 1
- Speaker line(70V-100V) and 4Ω, 8Ω, 16Ω
- Echo delay
- Chime, emergency siren
- 3 band tone control volume
- Level meter displays the output condition
- DC 24V connector against blackout
- Built-in type of circuit breaker against high temperature and overload
- Built-in bracket for the installation of rack cabinet

### Extra Functions

- Media of reproduction : CD, USB, MP3,WMA, SD, SDMC CARD
- Auto Reverse(Recording, Replay) Cassette
- AM/FM digital tuner

### Specification

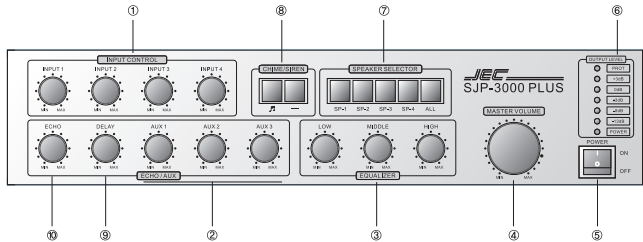
| Type                                | P. A. Amplifier   |                          |
|-------------------------------------|---|--------------------------|
| Model                               | SJP-1500 RTC  | SJP-3000 RTC             |
| Power Output                        | Rated : 120W  | Rated : 240W             |
| Input Channel                       | Mic : 4 ch, Line : 4 ch.  |                          |
| Out selector                        | Ch. 1, 2, 3, 4, All   |                          |
| Other function                      | Chime / Siren / Echo / Delay / Pre-out /Aux input /<br>tone control /over heat protect. Anti Shock CD/ USB &<br>SD Card Reader/AM&FM Tuner Remote control/Logic<br>Auto Reverse Cass REC. |                          |
| Output                              | Speaker output  | Speaker output           |
|                                     | 4Ω (22V)  | 4Ω (31V)                 |
|                                     | 8Ω (31V)  | 8Ω (44V)                 |
|                                     | 16Ω (44V)   | 16Ω (62V)                |
|                                     | 100V (83Ω)  | 100V (42Ω)               |
| Frequency Response<br>(±3dB), 8Ω/1W | 80 ~ 18,000Hz   |                          |
| Total harmonic distortion           | Less than 0.5% at 1KHz, rated power   |                          |
| S/N Ratio (DIN Audio)               | line  | More than 70dB           |
|                                     | Mic   | -52dBm/600Ω (balanced)   |
|                                     | Line  | -10dBm/15KΩ (Unbalanced) |
|                                     | Ext Amp In  | -0dBm/15KΩ (Unbalanced)  |
| Preout Sensitivity                  | -0dBm/10KΩ (Unbalanced)   |                          |
| Dimensions(W x H x D)               | 420 x 133 x 350(mm)   |                          |
| Weight                              | 15KG  | 19KG                     |
| AC Power                            | AC220V/60Hz, DC24V  |                          |
| Power Consumption                   | 300watts  | 600watts                 |



# P.A. AMPLIFIER(SJP - 1500PLUS/3000 PLUS)

## The Front Panel control

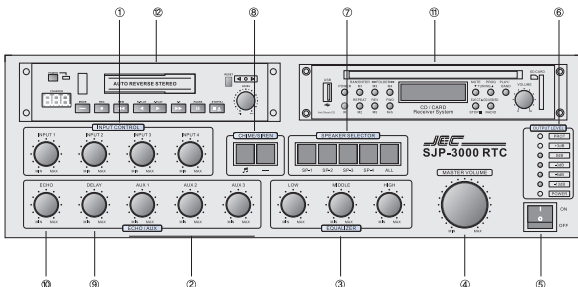
- ① MIC(INPUT 1, 2, 3, 4) VOLUME CONTROL : controlling the volume of each microphones 1, 2, 3, 4
- ② AUX VOLUME : controlling the volume of Aux.
- ③ TONE CONTROL : this is the volume for adjusting tone and controlling treble, mid, and bass voices.
- ④ MASTER VOLUME CONTROL : the main output volume
- ⑤ POWER SWITCH : the switch inputs the power to this device.
- ⑥ POWER INDICATOR : the Indicator for monitoring the status of the amplifier output
- ⑦ SPEAKER SELECTOR : press the switch, and the voice is output to the output terminal.
- ⑧ CHIME, SIREN : chime(broadcast notification signal) and siren(disaster signal) are output.
- ⑨ DELAY : controlling the delay time of ECHO.
- ⑩ ECHO : controlling ECHO volume.



# P.A. AMPLIFIER(SJP - 1500RTC/3000 RTC)

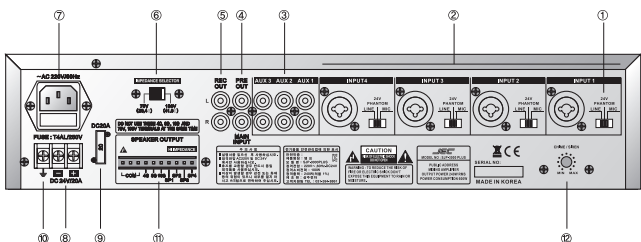
## The Front Panel control

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- ⑧ CHIME, SIREN : chime(broadcast notification signal) and siren(disaster signal) are output.
- ⑨ DELAY : controlling the delay time of ECHO.
- ⑩ ECHO : controlling ECHO volume.
- ⑪ LV-3SUT(Anti Shock CD / USB & SD Card Reader / AM & FM Tuner Remote Control
- ⑫ Logic Auto Reverse Cass. REC. Module



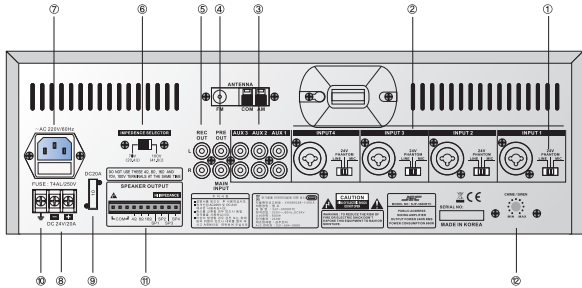
## The Rear Panel control

- ① PHANTOM : the condenser microphone power supply.
- ② MIC(INPUT) JACK : the jack connecting the microphones.
- ③ AUX : the external connector(TUNE, CD, TAPE etc.)
- ④ PRE OUT : connecting to the input of the effector(EQ, recorder).
- ⑤ REC OUT : connecting to the recording input of the recorder.
- ⑥ IMPEDANCE SELECTOR : 70V/100V line
- ⑦ AC INPUT(AC POWER CORD) : the power cord AC power input terminal.
- ⑧ DC 24V : The DC 24V battery power input terminal for operating the device by connecting with the DC power.
- ⑨ DC FUSE : DC fuse
- ⑩ GROUND : ground wire
- ⑪ SPEAKER OUT : 4, 8, 16 $\Omega$ , 100V;  
this is the voice output terminal. Please refer to the specifications and performance for the output voltage. This is the output terminal which can operate low impedance 4,8,16 ohm and high impedance.
- ⑫ CHIME/SIREN VOLUME

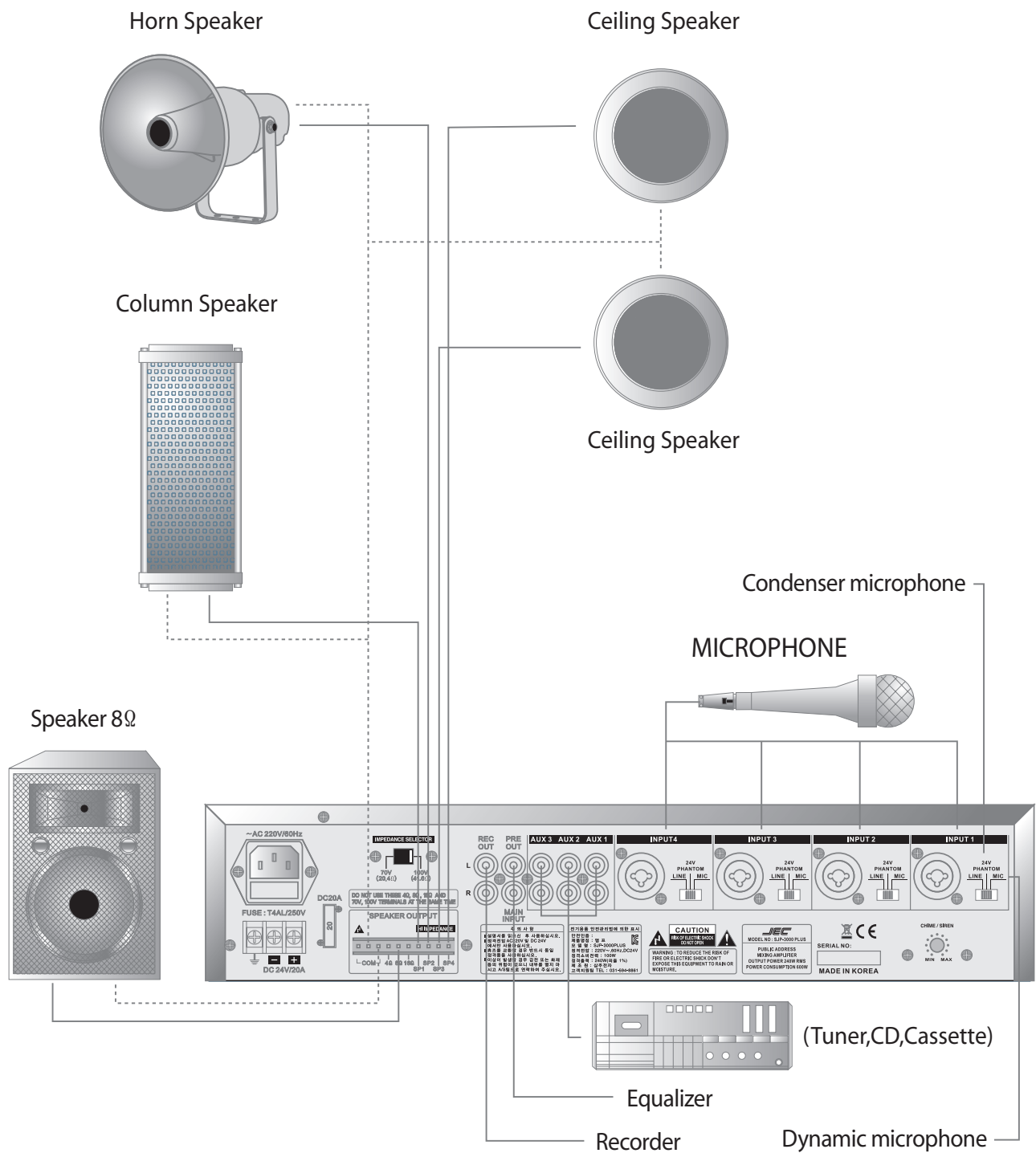


## The Rear Panel control

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- ② MIC(INPUT) JACK : the jack connecting the microphones.
- ③ AUX : the external connector(TUNE, CD, TAPE etc.)
- ④ PRE OUT : connecting to the input of the effector(EQ, recorder).
- ⑤ REC OUT : connecting to the recording input of the recorder.
- ⑥ IMPEDANCE SELECTOR : 70V/100V line
- ⑦ AC INPUT(AC POWER CORD) : the power cord AC power input terminal.
- ⑧ DC 24V : The DC 24V battery power input terminal for operating the device by connecting with the DC power.
- ⑨ DC FUSE : DC fuse
- ⑩ GROUND : ground wire
- ⑪ SPEAKER OUT : 4, 8, 16 $\Omega$ , 100V ;  
this is the voice output terminal. Please refer to the specifications and performance for the output voltage. This is the output terminal which can operate low impedance 4,8,16 ohm and high impedance.
- ⑫ CHIME/SIREN VOLUME



# SYSTEMS CONNECTIONS



# EVENT POWER AMPLIFIER



JEP-500WA / 1000WA

### Specification

| Model          | JEP-500WA  | JEP-1000WA |
|----------------|--|------------|
| Output(Rated)  | 50W  | 80W        |
| Function       | Mic. input x 2pcs / Aux / Siren Radio / Cassette Tape Player |            |
| Speaker unit   | 12''(100W) x 1pc   |            |
| Power supply   | AC220V / DC24V   |            |
| Wireless       | Wireless microphone(200MHz)                                  |            |
| Dimensions(mm) | 630 x 420 x 300mm  |            |



JEP-500PA / 1000PA

### Specification

| Model          | JEP-500PA  | JEP-1000PA |
|----------------|--|------------|
| Output(Rated)  | 50W  | 80W        |
| Function       | Mic. input x 2pcs / Aux / Siren Radio / Cassette Tape Player |            |
| Speaker unit   | 12''(100W) x 1pc   |            |
| Power supply   | AC220V / DC24V   |            |
| Dimensions(mm) | 620 x 420 x 300mm  |            |



JEP-1500WA / 2000WA

### Specification

| Model          | JEP-1500WA   | JEP-2000WA |
|----------------|--|------------|
| Output(Rated)  | 120W   | 150W       |
| Function       | Mic. input x 3pcs / Aux / Siren Radio / Cassette Tape Player |            |
| Speaker unit   | 12''(100W) x 2pcs  |            |
| Power supply   | AC220V / DC24V   |            |
| Wireless       | Wireless microphone(200MHz)                                  |            |
| Dimensions(mm) | 900 x 530 x 380mm  |            |



JEP-1500PA / 2000PA

### Specification

| Model          | JEP-1500PA   | JEP-2000PA |
|----------------|--|------------|
| Output(Rated)  | 120W   | 150W       |
| Function       | Mic. input x 3pcs / Aux / Siren Radio / Cassette Tape Player |            |
| Speaker unit   | 12''(100W) x 2pcs  |            |
| Power supply   | AC220V / DC24V   |            |
| Dimensions(mm) | 890 x 530 x 380mm  |            |



# HORN SPEAKER

These horn speakers provide best performance in the harshest environments and give a highly articulate sound performance in any areas.



► Features

- 10W, 15W, 20w(100V LINE) are available.
- Mounting Bracket supplied
- Round or square type.
- The material of horn flat is ABS resin.

► Specification

| Model               | JE-15WR/15WRT        | SJH-20S/20ST          | JE-20WR/20WRT         |
|---------------------|----------------------|-----------------------|-----------------------|
| Input Power (Rated) | 15W                  | 20W                   | 20W                   |
| Input voltage       | 100V line            |                       |                       |
| Impedance           | JE-15WR : 8Ω         | SJH-20S : 8Ω          | JE-20WR : 8Ω          |
|                     | JE-15WRT : 1KΩ, 660Ω | SJH-20ST : 500Ω, 660Ω | JE-20WRT : 500Ω, 660Ω |
| Dimensions(mm)      | 152 φ X 190mm        | 120 x 120 x 190mm     | 211φ x 282mm          |
| Frequency Range     | 350Hz-7KHz           |                       |                       |
| SPL(1w.1m)          | 106dB                |                       |                       |
| Materials           | ABS Resin            |                       |                       |
| Net weight          | 1.1Kg, 1.4Kg         | 1.1Kg, 1.4Kg          | 1.5Kg, 1.8Kg          |



► Specification

Widely used on the vessel.  
Once the bracket mounted on the horn, absolutely no moving.

| Model               | SJH-25ST                | SJH-10ST      |
|---------------------|-------------------------|---------------|
| Input Power (Rated) | 25W                     | 10W           |
| Input voltage       | 100V line               |               |
| Impedance           | 400Ω , 500Ω , 600Ω ,1kΩ | 1kΩ , 2kΩ     |
| Dimensions(mm)      | 209 φ x 320mm           | 282mm x 134mm |
| Frequency Range     | 500Hz-9KHz              | 500Hz-9KHz    |
| SPL(1w.1m)          | 109dB                   | 106dB         |
| Materials           | ABS Resin               |               |
| Net weight          | 1.87Kg                  | 1.8Kg         |

# HORN SPEAKER

Be applied in warehouses, school, community center and addressing on publicity service.  
Straight and ultra high power horns give a highly articulate sound performance in a wide area or at large gatherings of people.



► Features

The thermostable and abrasion-resistant diaphragm by specially coating voice coil and applied it to horn speaker.

► Specification

| Model               | JE-25R/JE-25RT                   | JE-35R/JE-35RT                   | JE-50R/JE-50RT                   |
|---------------------|----------------------------------|----------------------------------|----------------------------------|
| Input Power (Rated) | 25W                              | 35W                              | 50W                              |
| Input voltage       | 100V line                        |                                  |                                  |
| Impedance           | JE-25R : 8Ω                      | JE-35R : 8Ω                      | JE-50R : 8Ω                      |
|                     | JE-25RT : 400Ω (25W), 660Ω (15W) | JE-35RT : 285Ω (35w), 400Ω (25W) | JE-50RT : 200Ω (50w), 285Ω (35w) |
| Dimensions(mm)      | 245 φ x 280mm                    | 280 φ x 290mm                    | 337 φ x 362mm                    |
| Frequency Range     | 250Hz~7Khz                       |                                  |                                  |
| SPL(1w.1m)          | 108dB                            | 112dB                            | 116dB                            |
| Materials           | Aluminum horn/ABS back cover     |                                  | Aluminum horn/diecasting cover   |
| Net weight          | 1.9Kg, 2.5Kg                     | 2.02Kg, 2.6Kg                    | 2.4kg, 3.2kg                     |



► Specification

| Model               | JE-60R/JE-60RT                   |
|---------------------|----------------------------------|
| Input Power (Rated) | 50W                              |
| Input voltage       | 100V line                        |
| Impedance           | JE-60RL : 8Ω                     |
|                     | JE-60RT : 200Ω (50w), 285Ω (35w) |
| Dimensions(mm)      | 405 φ x 435mm                    |
| Frequency Range     | 250Hz~7KHz                       |
| SPL(1w.1m)          | 116dB                            |
| Materials           | Aluminum horn/diecasting cover   |
| Net weight          | 4.5Kg, 5.3Kg                     |



# COLUMN SPEAKER

- Built in 5" speaker(10W). Approved KS Korean quality mark.
- Nice Sound Column for general purpose Public Address Requirement.



### ► Specification

| Model              | SJC-100                           | SJC-200              | SJC-300              | SJC-400              |
|--------------------|-----------------------------------|----------------------|----------------------|----------------------|
| Input Power(Rated) | 10W                               | 20W                  | 30W                  | 40W                  |
| Frequency          | 150Hz ~ 14KHz                     |                      |                      |                      |
| Impedance          | 4KΩ, 2KΩ<br>1KΩ                   | 2KΩ, 1KΩ<br>500Ω     | 1KΩ, 660Ω<br>330Ω    | 1KΩ, 500Ω<br>250Ω    |
| SPL(1w.1m)         | 90dB                              | 92dB                 | 95dB                 | 96dB                 |
| Materials          | Aluminum case / ABS plastic cover |                      |                      |                      |
| Color              | White                             |                      |                      |                      |
| Weight             | 1.7Kg                             | 2.6Kg                | 3.7Kg                | 4.5Kg                |
| Dimensions(mm)     | 150 x 118<br>x 240mm              | 150 x 118<br>x 368mm | 150 x 118<br>x 508mm | 150 x 118<br>x 605mm |



### ► Specification

\* Outdoor

| Model          | SJC-100WP                       | SJC-200WP            | SJC-300WP            | SJC-400WP            |
|----------------|---------------------------------|----------------------|----------------------|----------------------|
| Input(Rated)   | 10W                             | 20W                  | 30W                  | 40W                  |
| Frequency      | 150Hz ~ 14KHz                   |                      |                      |                      |
| Impedance      | 4KΩ, 2KΩ<br>1KΩ                 | 2KΩ, 1KΩ<br>500Ω     | 1KΩ, 660Ω<br>330Ω    | 1KΩ, 500Ω<br>250Ω    |
| SPL(1w.1m)     | 90dB                            | 92dB                 | 95dB                 | 96dB                 |
| Materials      | Aluminum case/ABS plastic cover |                      |                      |                      |
| Color          | Grey                            |                      |                      |                      |
| Weight         | 1.7Kg                           | 2.6Kg                | 3.7Kg                | 4.5Kg                |
| Dimensions(mm) | 150 x 118<br>x 240mm            | 150 x 118<br>x 368mm | 150 x 118<br>x 508mm | 150 x 118<br>x 605mm |



### ► Specification

\* Built in 5" speaker (10W)

| Model              | SJC-2010             | SJC-2020             | SJC-3030             | SJC-4040             |
|--------------------|----------------------|----------------------|----------------------|----------------------|
| Input Power(Rated) | 10W                  | 20W                  | 30W                  | 40W                  |
| Frequency          | 150Hz ~ 14KHz        |                      |                      |                      |
| Impedance          | 4KΩ, 2KΩ<br>1KΩ      | 2KΩ, 1KΩ<br>500Ω     | 1KΩ, 660Ω<br>330Ω    | 1KΩ, 500Ω<br>250Ω    |
| SPL(1w.1m)         | 90dB                 | 92dB                 | 95dB                 | 96dB                 |
| Materials          | All Aluminum         |                      |                      |                      |
| Color              | Off-white            |                      |                      |                      |
| Weight             | 1.7Kg                | 2.6Kg                | 3.7Kg                | 4.5Kg                |
| Dimensions(mm)     | 147 x 126<br>x 235mm | 147 x 126<br>x 345mm | 147 x 126<br>x 500mm | 147 x 126<br>x 610mm |

# COLUMN SPEAKER

- Metal front protection grille.
- Input voltage : 100v line
- Be applied in conference rooms, auditoriums, lecture halls, Warehouses, Schools, Community centers, schools etc.

### ► Specification

\* Built in 5" speaker(10W)

| Model              | SJC-910                         | SJC-920              | SJC-930              | SJC-940              |
|--------------------|---------------------------------|----------------------|----------------------|----------------------|
| Input Power(Rated) | 10W                             | 20W                  | 30W                  | 40W                  |
| Frequency          | 150Hz ~ 13KHz                   |                      |                      |                      |
| Impedance          | 2KΩ<br>1KΩ                      | 1KΩ<br>500Ω          | 660Ω<br>330Ω         | 500Ω<br>250Ω         |
| SPL(1w.1m)         | 90dB                            | 92dB                 | 95dB                 | 96dB                 |
| Materials          | Aluminum case/ABS plastic cover |                      |                      |                      |
| Color              | brown                           |                      |                      |                      |
| Weight             | 1.6Kg                           | 2.5Kg                | 3.4Kg                | 4.2Kg                |
| Dimensions(mm)     | 147 x 124<br>x 230mm            | 147 x 124<br>x 370mm | 147 x 124<br>x 510mm | 147 x 124<br>x 610mm |



\* Outdoor

### ► Specification

\* Slim & narrow design  
\* Built in 3" speaker(5W)  
ex) 10W=2pcs(5W X 2pcs), sufficient sound volume

| Model              | SJC-710                         | SJC-720             | SJC-730             | SJC-740             |
|--------------------|---------------------------------|---------------------|---------------------|---------------------|
| Input Power(Rated) | 10W                             | 20W                 | 30W                 | 40W                 |
| Frequency          | 150Hz ~ 13KHz                   |                     |                     |                     |
| Impedance          | 2KΩ<br>1KΩ                      | 1KΩ<br>500Ω         | 660Ω<br>330Ω        | 500Ω<br>250Ω        |
| SPL(1w.1m)         | 94dB                            | 95dB                | 96dB                | 97dB                |
| Materials          | Aluminum case/ABS plastic cover |                     |                     |                     |
| Color              | White                           |                     |                     |                     |
| Weight             | 1.3Kg                           | 2.1Kg               | 2.9Kg               | 3.6Kg               |
| Dimensions(mm)     | 113 x 90<br>x 295mm             | 113 x 90<br>x 475mm | 113 x 90<br>x 655mm | 113 x 90<br>x 835mm |



### ► Specification

\* Round type  
\* Built in 3" speaker(10W) + 1 tweeter

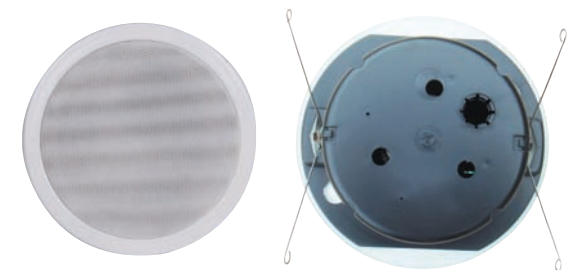
| Model              | CS-10WR         | CS-20WR         | CS-30WR         | CS-40WR         |
|--------------------|-----------------|-----------------|-----------------|-----------------|
| Input Power(Rated) | 10W             | 20W             | 30W             | 40W             |
| Frequency response | 150Hz ~ 13KHz   |                 |                 |                 |
| Impedance          | 2KΩ<br>1KΩ      | 1KΩ<br>500Ω     | 660Ω<br>330Ω    | 500Ω<br>250Ω    |
| SPL(1w.1m)         | 90dB            | 92dB            | 95dB            | 96dB            |
| Materials          | Aluminum        |                 |                 |                 |
| Color              | Grey            |                 |                 |                 |
| Weight             | 1.3Kg           | 2.1Kg           | 2.9Kg           | 3.6Kg           |
| Dimensions(mm)     | 120φ<br>x 257mm | 120φ<br>x 336mm | 120φ<br>x 436mm | 120φ<br>x 536mm |





# CEILING SPEAKER

- Built in 6.5" speaker. Approved KS Korean quality mark.
- Nice Sound Celling for general purpose Public Address Requirement.



• Spring Clamp type

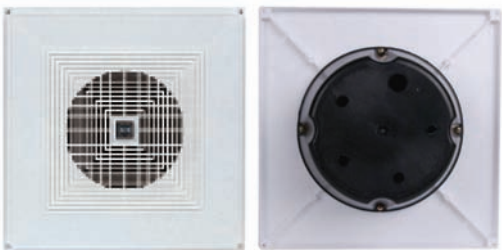
### ► Specification

| Model          | SJC-303R                    | SJC-305R                    | SJC-310R                  |
|----------------|-----------------------------|-----------------------------|---------------------------|
| Input(Rated)   | 3W                          | 5W                          | 10W                       |
| Frequency      | 150Hz-14KHz                 |                             |                           |
| Impedance      | 5K $\Omega$ , 3.3K $\Omega$ | 3.3K $\Omega$ , 2K $\Omega$ | 2K $\Omega$ , 1K $\Omega$ |
| SPL(1w.1m)     | 90dB                        | 92dB                        | 93dB                      |
| Materials      | ABS Resin/Steel             |                             |                           |
| Color          | White                       |                             |                           |
| Weight         | 1.02Kg                      | 1.1Kg                       | 1.12Kg                    |
| Dimensions(mm) | 233 $\phi$ X 95mm           |                             |                           |

※ SJC-320R(20W) is available.

# CEILING SPEAKER

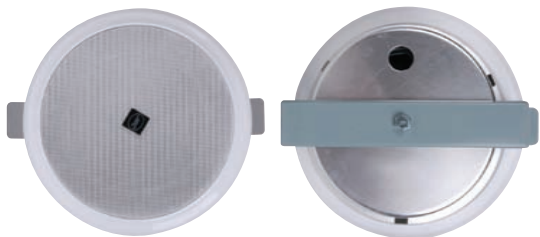
- Input voltage : 100V line
- Be applied in conference rooms, auditoriums, lecture halls, Warehouses, Schools, Community centers, schools etc.



### ► Specification

| Model          | SJC-3S                      | SJC-5S                      | SJC-10S                   |
|----------------|-----------------------------|-----------------------------|---------------------------|
| Input(Rated)   | 3W                          | 5W                          | 10W                       |
| Frequency      | 150Hz-14KHz                 |                             |                           |
| Impedance      | 5K $\Omega$ , 3.3K $\Omega$ | 3.3K $\Omega$ , 2K $\Omega$ | 2K $\Omega$ , 1K $\Omega$ |
| SPL(1w.1m)     | 90dB                        | 92dB                        | 93dB                      |
| Materials      | ABS Resin                   |                             |                           |
| Color          | White                       |                             |                           |
| Weight         | 0.98Kg                      | 1Kg                         | 1.06Kg                    |
| Dimensions(mm) | 300 X 300 X 100mm           |                             |                           |

# APT SPEAKER



### ► Specification

| Model          | SJC-3RA                     | SJC-5RA                     | SJC-10RA                  |
|----------------|-----------------------------|-----------------------------|---------------------------|
| Input(Rated)   | 3W                          | 5W                          | 10W                       |
| Frequency      | 150Hz-14KHz                 |                             |                           |
| Impedance      | 5H $\Omega$ , 3.3K $\Omega$ | 3.3H $\Omega$ , 2K $\Omega$ | 2H $\Omega$ , 1K $\Omega$ |
| SPL(1w.1m)     | 90dB                        | 92dB                        | 93dB                      |
| Materials      | Aluminum                    |                             |                           |
| Color          | White                       |                             |                           |
| Weight         | 1.02Kg                      | 1.1Kg                       | 1.12Kg                    |
| Dimensions(mm) | 235 $\phi$ X 95mm           |                             |                           |



### ► Specification

| Model           | SJC-101WR         | SJC-103WR          |
|-----------------|-------------------|--------------------|
| Rated Power     | 1W                | 3W                 |
| SPL(1w.1m)      | 85dB              | 88dB               |
| Frequency Range | 320Hz-15KHz       | 150Hz-15KHz        |
| Impedance       | Com. 10K $\Omega$ | Com. 3.3K $\Omega$ |
| Dimensions(mm)  | 105 X 58mm(D)     |                    |
| Net Weight      | 210g              | 260g               |
| Materials       | ABS Resin         |                    |



### ► Specification

| Model          | SJC-3RP                     | SJC-5RP                     | SJC-10RP                  |
|----------------|-----------------------------|-----------------------------|---------------------------|
| Input(Rated)   | 3W                          | 5W                          | 10W                       |
| Frequency      | 150Hz-14KHz                 |                             |                           |
| Impedance      | 5K $\Omega$ , 3.3K $\Omega$ | 3.3K $\Omega$ , 2K $\Omega$ | 2K $\Omega$ , 1K $\Omega$ |
| SPL(1w.1m)     | 90dB                        | 92dB                        | 93dB                      |
| Materials      | ABS Resin                   |                             |                           |
| Color          | White                       |                             |                           |
| Weight         | 1.03Kg                      | 1.15Kg                      | 1.17Kg                    |
| Dimensions(mm) | 225 $\phi$ X 95mm           |                             |                           |



### ► Specification

| Model           | SJC-1A                         |
|-----------------|--------------------------------|
| Rated Power     | 1W                             |
| SPL(1w.1m)      | 85dB                           |
| Frequency Range | 250Hz-12KHz                    |
| Impedance       | Com.(Black) 10K $\Omega$ (Red) |
| Dimensions(mm)  | 120 X 120 X 45mm               |
| Net Weight      | 200g                           |
| Materials       | ABS Resin                      |

# CEILING SPEAKER

- It features spring clamp type for having speaker mounted to the ceiling.
- The input impedance can be easily changed by changing the tap position of the transforme.
- The push-in type input terminal block makes cable connections easy and allows bridge wiring.

## CP-630 (6.5" ± speaker-30w)

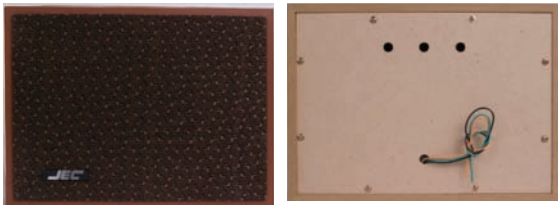


### ► Specification

|                            |   |
|----------------------------|---|
| Rated input                | 30W, music power 60W  |
| Rated Impedance            | 330Ω, 660Ω, 1HΩ   |
| Sensitivity                | 90dB ± 3dB  |
| Frequency Response         | 45 - 20 KHz   |
| Speaker Compont            | 165mm(6.5"±) dual cone-type   |
| Dimensions for Fixing Hole | Mounting hole : 200 ϕ ± 3mm<br>Ceiling thickness : 5 - 25mm(0.2" - 0.98") |
| Dimensions                 | 220 ϕ x 190mm x 105mm(W x H x D)  |
| Weight                     | 1.67 Kg   |

# WALL SPEAKER

- Built in 6.5" speaker.
- Approved KS Korean quality mark.
- Input voltage : 100V line
- Use at department store, shopping mall center, hospitals, building and other similar occasions.



### ► Specification

| Model          | SJC-3WB           | SJC-5WB    | SJC-10WB |
|----------------|-------------------|------------|----------|
| Input(Rated)   | 3W                | 5W         | 10W      |
| Frequency      | 150Hz-14KHz       |            |          |
| Impedance      | 5KΩ, 3.3KΩ        | 3.3KΩ, 2KΩ | 2KΩ, 1KΩ |
| SPL(1w.1m)     | 93dB              |            |          |
| Materials      | Wood              |            |          |
| Color          | Brown             |            |          |
| Weight         | 1.35Kg            | 1.48Kg     | 1.52Kg   |
| Dimensions(mm) | 290 x 100 x 210mm |            |          |

## CP-810 (8" ± speaker-40w)



### ► Specification

|                            |   |
|----------------------------|---|
| Rated input                | 40W, music power 80W  |
| Rated Impedance            | 250Ω, 330Ω, 660Ω  |
| Sensitivity                | 105dB ± 3dB   |
| Frequency Response         | 45 - 20 KHz   |
| Speaker Compont            | 203mm(8"±) dual cone-type   |
| Dimensions for Fixing Hole | Mounting hole : 230 ϕ ± 3mm<br>Ceiling thickness : 5 - 25mm(0.2" - 0.98") |
| Dimensions                 | 280 ϕ x 220mm x 107mm(W x H x D)  |
| Weight                     | 2.1Kg   |



### ► Specification

| Model           | SJC-03WA          | SJC-10WA    |
|-----------------|-------------------|-------------|
| Input(Rated)    | 3W                | 10W         |
| SPL(1w.1m)      | 91 ± 2dB          | 93 ± 2dB    |
| Frequency Range | 130Hz-12KHz       | 110Hz-15KHz |
| Impedance       | COM(Black)        | COM(Black)  |
|                 | 3.3KΩ (Red)       | 1KΩ (Red)   |
|                 | 5KΩ (Red)         | 2KΩ (Red)   |
|                 | 10KΩ (Red)        | 3.3KΩ (Red) |
| Dimensions(mm)  | 240 x 345 x 100mm |             |
| Net Weight      | 1.4Kg             | 1.9Kg       |
| Materials       | ABS Resin         |             |

# SURROUND SPEAKER



### ► Specification

| Model               | SJS-550SM                       |
|---------------------|---------------------------------|
| Type                | 5 inch, 2 Way, 2 Speaker system |
| SPL(1w.1m)          | 98 ± 2dB                        |
| Frequency Range     | 60Hz ~ 18KHz                    |
| Impedance           | 8Ω, 200Ω, 330Ω                  |
| Rated Input Power   | 50W                             |
| Maximum Music Power | 100W                            |
| Dimension(mm)       | 245(W) x 150(H) x 160(D)mm      |
| Net Weight          | 2.0Kg                           |
| Material            | ABS Resin + Steel               |



### ► Specification

| Model          | SJC-P103N              | SJC-P110N |
|----------------|------------------------|-----------|
| Input          | 3W                     | 10W       |
| Frequency      | 130Hz-12KHz            |           |
| Impedance      | 5KΩ, 3.3KΩ             | 2KΩ, 1KΩ  |
| SPL(1w.1m)     | 88dB                   | 90dB      |
| Materials      | ABS Resin              |           |
| Color          | White                  |           |
| Weight         | 690g                   | 1.02Kg    |
| Dimensions(mm) | 220 X 270 X 87/55(D)mm |           |



# POWER HORN SPEAKER

High power and high efficiency and provides highly articulate sound in any harshest environment.



SJH-TH10

### ► Specification

| Model          | SJH-35WP   | SJH-50WP | SJH-75WP          | SJH-100WP |
|----------------|--|----------|-------------------|-----------|
| Input(Rated)   | 35W  | 50W      | 75W               | 100W      |
| Impedance      | 16Ω  |          | 8Ω                |           |
| SPL(1w,1m)     | 125dB  | 126dB    | 128dB             | 132dB     |
| Frequency      | 250Hz - 5KHz   |          |                   |           |
| Materials      | Die-casting (driver unit,), horn(ABS), Steel Bracket |          |                   |           |
| Weight         | 2.9Kg  | 3Kg      | 3.4Kg             | 4.4Kg     |
| Dimensions(mm) | 206 x 132 x 160mm                                    |          | 206 x 132 x 170mm |           |

# DRIVER UNIT

### ► Specification

| Model                        | SJD-35F                        | SJD-50F    | SJD-75F      | SJD-100     |
|------------------------------|--------------------------------|------------|--------------|-------------|
| Power Rating                 | 35 Watts                       | 50 Watts   | 75 Watts     | 100 Watts   |
| Frequency Range              | 250 ~ 6 KHz                    | 250 ~ 5KHz | 250 ~ 4,5KHz | 150 ~ 5KHz  |
| Impedance                    | 8Ω                             |            |              |             |
| Sound Pressure Level, 1000Hz |                                |            |              |             |
| Rated Power                  | 125dB                          | 126dB      | 128dB        | 132dB       |
| 1watts/m                     | 110dB                          | 112dB      | 110dB        | 112dB       |
| Dispersion(1000Hz)           | 100H x 140V                    |            |              |             |
| Diameter & Height            | 110 x 93mm                     | 117 x 94mm | 124 x 94mm   | 117 x 100mm |
| Voice Coil Diameter          | 49.5mm                         | 51mm       | 51mm         | 66mm        |
| Color / Finish               | Black / Epoxy                  |            |              |             |
| Mounting                     | 1-3/8-18 UNEF, Threaded Throat |            |              |             |
| Net Weight                   | 1.7Kg                          | 2.2Kg      | 2.7Kg        | 3.4Kg       |
| Materials                    | Ferrite                        | Ferrite    | Ferrite      | Alnico      |



SJD-35F

SJD-50F

SJD-75F

SJD-100F

## SJD-50FT with transformer

- Be applied in public address announcement applications.
- The driver unit in die-casting aluminum.
- The driver units are apply to SJH-75RH, SJH-TH40 or other drivers.
- High power and high efficiency and provides highly articulate sound.
- Power control: by move PIN.

### ► Features

- The thermostable and abrasion-resistant diaphragm by specially coating voice coil.

### ► Specification

- Input(Rated) : 50W/40W/30W/20W
- Frequency Range : 150Hz - 5KHz
- S.P.L(1W/1m) : 113dB
- Impedance : 200Ω, 250Ω, 330Ω, 500Ω
- Voice Coil : 49.5mm
- Net Weight : 2.6kg
- Dimensions : 110 ∅ x 135mm
- Materials : Ferrite



# REFLEX HORN / TRUMPET HORN

## SJH-75RH(20")

### ► Specification

- Dimensions : 500 ∅ x 410mm
- Net Weight : 3.16kg
- Materials : Aluminium



## SJH-TH40(17.32")

### ► Specification

- Dimensions : 440 ∅ x 980mm
- Net Weight : 1.96kg
- Materials : Aluminium



# MICROPHONE

### ► Specification

| Model       | SJ-301                             | SJ-501            | SJ-601            |
|-------------|------------------------------------|-------------------|-------------------|
| Type        | Dynamic                            | Dynamic           | Condenser         |
| Impedance   | 600Ω(at 1KHz)                      |                   |                   |
| Sensitivity | -66dB ± 20dB(0dB = 1V/0.1Pa, 1KHz) |                   |                   |
| Frequency   | 20Hz ~ 20KHz                       |                   |                   |
| Materials   | Aluminum                           | Die-casting alloy | Die-casting alloy |
| Net Weight  | 190g                               | 280g              |                   |



SJ-301

SJ-501

SJ-601

## SJD-100FT with transformer

- The driver unit in die-casting aluminum.
- The driver units are apply to SJH-75RH, SJH-TH40 or other drivers.
- High power and high efficiency and provides highly articulate sound in any harshest environment.

### ► Features

- The thermostable and abrasion-resistant diaphragm by specially coating voice coil and applied it to driver unit.

### ► Specification

- Input(Rated) : 100W
- Frequency Range : 150Hz - 5KHz
- S.P.L(1W/1m) : 113dB
- Impedance : 100Ω
- Voice Coil : 66.04 ∅
- Materials : Alnico
- Net Weight : 4.05kg
- Dimensions : 118 ∅ x 178mm





# ACCESSORY



AKG -1 desk stand  
Weight : 3kg



DS-004  
Round base 160 Ø



size : 340mm



Holder for wireless



Holder for wire



TS-005 desk stand  
Weight : 4kg



Megaphone Floor stand,  
Tap M8mm  
Model : DB-035  
Setup height : 1080-1880  
Weight : 4kg



LoudSpeaker stand  
Model : DB-001  
Setup height : 1100-2200  
Weight : 3kg



I type - Floor stand  
Model : FS-002  
Setup height : 910-1650  
Weight : 3kg



T type Floor stand  
Model : TS-007  
Setup height : 1100-1820  
Weight : 5kg



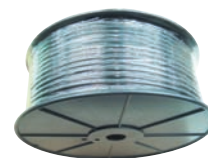
## Speaker Attenuator

| Model           | EAT-30N                |
|-----------------|------------------------|
| Rated power     | 30w                    |
| Rated Impedance | 100V                   |
| Dimensions      | 70mm x 45mm(D) x 120mm |
| Weight          | 0.2kg                  |

# MICROPHONE CABLE



5m, 10m, 15m, 20m



100m roll

