

# PUBLIC ADDRESS SYSTEM PRODUCT CATALOGUE





# COMPANY

## BRIEF INTRODUCTION

### **Foshan Xinghongde Technology Co., Ltd.(Brand:RH-AUDIO)**

develops,manufactures,and markets highly reliable sound products of Commercial Sound System.

RH-AUDIO was incorporated in the year 2006 and began his business of manufacturing commercial PA sound system,providing applications of sound reproduction/reinforcement for a variety of venues such as conference halls,shopping malls,school auditoriums,churches,commercial buildings,industrial sites,gardens,or an entire outdoor complex,etc.

On the way from beginning to now,we did not stop to be committed to serving our customers and providing them with more service in the business,thanks to the in-depth experience accumulated in the past time,and based on newly most advanced technology,we strive to keep the concept allowing you to truly enjoy a superb experience of technological revolution.

From the start,RH-AUDIO has striven to push the technology development,we do so by developing and manufacturing our products for markets looking for the most bang-for-the-buck,please take a moment to look over our entire product line,get involved with our innovation and share in the excitement.

### **Quality statement**

RH-AUDIO is committed to supply the customers with innovative products and services that conform to their requirements,our objective is always to meet or exceed their expectations.

RH-AUDIO is ISO9001 registered,we are committed to effective Quality Management at every level within the business.

### **As we believe that this is critical to the success of our customers and products, the key elements of this strategy are**

RH-AUDIO is committed to supply the customers with innovative products and services that conform to their requirements,our objective is always to meet or exceed their expectations.

RH-AUDIO is ISO9001 registered,we are committed to effective Quality Management at every level within the business.

### **Our mission statement**

Honesty and respect with our customers.

Efficiency and austerity in the use of our resources.

Creativity in the development of methods and ideas.

Working in team to achieve the best working environment.

Pledge of allegiance and solidarity with us and the environment.

### **Service statement**

RH-AUDIO takes “customer-oriented”as our guiding philosophy.

We will treat everyone we encounter as we wish to be treated,with integrity and respect.

We work closely with our customers all over the world to impress our customers with the quality and timeliness of our services in a pleasant and friendly manner.

We know sometimes you have very detailed and unique requirements,we'll gladly work with you to develop specific solutions.



# COMPANY QUALIFICATIONS & HONORS



Innovation Certificate



High-Tech Certificate



EC-RED



RoHS



AAA Credit Certificate



CASME Certificate



IP PA Software



Utility Model Patent



CE



FCC



RoHS



CQC



CQC



CQC



ISO45001:2018



ISO14001:2015



ISO9001:2015



Utility Model Patents

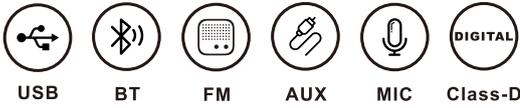
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**Public Address System**  
**Commercial Sound System**

# PA Amplifier Series





### Descriptions & Features

This compact mixing amplifier is designed as convenient solution for small PA installations with USB player, Bluetooth and FM tuner receiver in a compact housing. And this amplifier features two unbalanced microphone inputs and two AUX inputs, moreover the MIC1 has "VOICE PRIORITY" over the other inputs except of the alarm input.

- ✦ Built-in USB player, FM tuner and Bluetooth receiver.
- ✦ Class-D amplifier circuitry.
- ✦ 70/100-volt and 4~16 ohms( $\Omega$ ) output loads.
- ✦ Two microphone (MIC1 & MIC2) jacks, MIC2 supports 48V Phantom Power with switch ON/OFF.
- ✦ EMC input has priority over the other inputs.
- ✦ SMT circuit boards with highly stable performance.
- ✦ High-definition display for the working status of playing programme.
- ✦ Individual volume controller for inputs, and master volume controller for all.
- ✦ BASS and TREBLE tone controllers.
- ✦ Power supply AC100-240V and DC24V.
- ✦ Protection provided for output short circuit, overload, high temperature, peak current limiters.

### Rear Panel



### Specifications

Model	RH61PM	RH121PM
Rated Power	60W	120W
Output Mode	Low impedance: 4~16 ohms( $\Omega$ ), Voltage line: 70V&100V	
Compatible Media	USB, Bluetooth, FM, Aux In	
Playable Formats	MP3, WMA, WAV, FLAC, APE	
Bluetooth Name	BGM SYSTEM	
Bluetooth Frequency	2402~2480 MHz	
Bluetooth E.I.R.P	2 dBm	
FM Tuner Frequency	87.50~107.50 MHz	
Frequency Response	60 Hz ~ 15k Hz ( $\pm 3$ dB)	
THD	<1% at 1kHz, 1/3 rated power	
S/N	$\geq 75$ dB	
Tone Control	BASS: 100 Hz ( $\pm 10$ dB), TREBLE: 10k Hz ( $\pm 10$ dB)	
Protection	Short circuit, overload, high temperature	
AC Power Supply	AC100-240V, 50Hz/60Hz	
AC Fuse	T3.15A	T3.15A
DC Power Supply	DC24V, 3.13A	
Power Cord	(3 $\times$ 0.75 mm <sup>2</sup> ) $\times$ 1.5M	
Power Consumption	84W	168W
Dimensions	71(H) $\times$ 300(W) $\times$ 191(D) mm	
Packing Size	120(H) $\times$ 350(W) $\times$ 255(D) mm	
N.W	4.80kg	5.20kg
G.W	5.50kg	5.90kg

## MP3 Mixer Amplifier

## RH120WA/RH240WA/RH480WA



### Descriptions & Features

The Mp3 Mixer Amplifiers are designed for background music/paging and public address system installations, these units are exceptional values, and are easy to install in a variety of system designs.

- ※ Powerrates: **120W/240W/480W** available.
- ※ Class-D amplifier circuitry.
- ※ Built-in U disk MP3 player and Bluetooth receiver.
- ※ 70V/100V and 8~16 ohms( $\Omega$ ) speaker loads.
- ※ 19" 1U height.
- ※ 3 MIC inputs, 2 AUX inputs, 1 LINE output.
- ※ Individual volume controller for MIC & AUX inputs.
- ※ MASTER volume controller.
- ※ BASS and TREBLE tone controller.
- ※ MIC1 has priority over other inputs.
- ※ Protections of short circuit, overload, high temperature.

### Rear Panel



### Specifications

Model	RH120WA	RH240WA	RH480WA
Rated Output Power	120W	240W	480W
Output Mode	Low impedance: 8~16 ohms( $\Omega$ ), Voltage line: 70V & 100V		
Microphone Input	MIC1/MIC2: 600 ohms( $\Omega$ ) 10mV, (Unbalanced) MIC3: 600 ohms( $\Omega$ ) 10mV, (Balanced)		
Line Input	AUX1/AUX2: LINE: 10K ohms( $\Omega$ ) 300mV, (Unbalanced)		
Auxiliary Output	0. 775V (0dB)		
Frequency Response	60Hz-20KHz(+3dB)		
THD	THD < 0.5% at 1KHz, 1/3 rated power		
S/N	Line: > 80dB, MIC: > 65dB		
Output Adjustment Rate	< 3dB		
Tone Adjustment Range	BASS: 100Hz(+10dB), TREBLE: 10KHz(+10dB)		
Indicator Light	PW, -20, -10, -3, CLIP		
Power Supply	AC100V-AC240V 50-60Hz		
Power Cord	3x0.5mm <sup>2</sup> x1.5M		
Power Consumption	140W	280W	560W
Dimension	480(W) x 200(D) x 40(H) mm		
Package Size	522(W) x 284(D) x 72(H) mm		
Net Weight	3.00kg	4.50kg	6.00kg
Gross Weight	3.60kg	5.10kg	6.60kg



### Descriptions & Features

The PA Mixer Amplifiers are designed for background music, paging and public address system installations, these units are exceptional values, loaded with features, and are easy to be installed in a variety of system designs.

- ※ Power rates: **120W/240W/350W/500W/650W** available.
- ※ Class-D amplifier circuitry.
- ※ 70V/100V and 4~16Ω loads.
- ※ 3 MIC inputs, 2 LINE inputs, 1 LINE output.
- ※ Individual volume controller for MIC & AUX inputs.
- ※ MASTER volume controller.
- ※ BASS and TREBLE tone controller.
- ※ MIC1 has priority over other inputs.
- ※ Protections of short circuit, overload, high temperature.

### Rear Panel



### Specifications

Model	RH130D	RH260D	RH360D	RH500D	RH650D
Rated Power	120W	240W	350W	500W	650W
Output Mode	4-16 ohms(Ω) and 70V/100V				
MIC Input	MIC: 600 ohms(Ω) 5mV~8mV, unbalanced				
Line Input	10K ohms(Ω) 150mV~470mV, unbalanced				
Line Output	0.775(0 dBV)				
Frequency Response	100Hz~15kHz (±3 dB)				
THD	< 0.5% at 1kHz, 1/3 rated power				
S/N	Line: 85dB, MIC: >72dB				
Tone Control	BASS: 100Hz(±10dB), TREBLE: 12KHz(±10 dB)				
Mute Function	MIC1 overrides MIC2, MIC3, AUX1, AUX2 with 0~30dB attenuation				
Output Regulation	< 3 dB, from level without signal to be loaded fully				
Controls	Volume controls, treble control, bass control, mute control				
Cooling	DC12V FAN				
Indicators	DC12V FAN; Power: 'POWER'; level: '0, 2, 4, 6, 8, 10'				
AC Fuse	T2A	T3.5A	T4A	T6.3A	T8A
Power Cable	(3×0.75mm <sup>2</sup> )×1.5m				
Power Supply	AC 100V~240V 50/60Hz				
Power Consumption	163W	325W	468W	625W	813W
Dimension	89(H)×483(W)×350(D)mm				
Packing Size	185(H)×520(W)×435(D)mm				
N.W	6.40kg	6.50kg	6.90kg	7.30kg	7.60kg
G.W	7.70kg	8.0kg	8.20kg	8.60kg	9.00kg

## 5-Zone MP3 Mixer Amplifier

## RH130DF/RH260DF/RH360DF/RH500DF/RH650DF



### Descriptions & Features

The 5-Zone Mp3/Bt/Fm Mixer Amplifiers are designed for background music, paging and public address system installations, these units are exceptional values, loaded with features, and are easy to be installed in a variety of system designs.

- ※ Power rates: **120W/240W/350W/500W/650W** available.
- ※ Class-D amplifier circuitry.
- ※ Built-in **U disk MP3 player, FM tuner and Bluetooth receiver.**
- ※ **5 zoned 100V speaker outputs with individual volume control.**
- ※ 70V/100V and 4~16Q loads.
- ※ 3 MIC inputs, 2 LINE inputs, 1 LINE output.
- ※ Individual volume controller for MIC & AUX inputs, MASTER volume controller.
- ※ BASS and TREBLE tone controller.
- ※ MIC1 has priority over other inputs.
- ※ Protections of short circuit, overload, high temperature.

### Rear Panel



### Specifications

Model	RH130DF	RH260DF	RH360DF	RH500DF	RH650DF
Rated Power	120W	240W	350W	500W	650W
Output Mode	4-16 ohms(Ω) and 70V/100V				
MIC Input	MIC:600 ohms(Ω)5mV~8mV, unbalanced				
Line Input	10K ohms(Ω)150mV~470mV, unbalanced				
Line Output	0.775(0 dBV)				
Frequency Response	100Hz~15kHz z(±3 dB)				
THD	<0.5% at 1kHz, 1/3 rated power				
S/N	Line:85dB ,MIC:>72dB				
Tone Control	BASS: 100Hz(±10dB), TREBLE: 12KHz(±10 dB)				
Mute Function	MIC1 overrides MIC2, MIC3, AUX1, AUX2 with 0~30dB dB attenuation				
Output Regulation	<3 dB, from level without signal to be loaded fully				
Controls	Volume controls, treble control, bass control, mute control				
Cooling	DC12V FAN				
Indicators	DC12V FAN; Power: 'POWER'; level: '-32, -16, -8, 0, CLIP'				
AC Fuse	T2A	T3.15A	T4A	T6.3A	T8A
Power Cable	(3×0.75mm <sup>2</sup> )×1.5m				
Power Supply	AC 100V~240V 50/60Hz				
Power Consumption	163W	325W	468W	625W	813W
Dimension	89(H)×483(W)×350(D)mm				
Packing Size	185(H)×520(W)×435(D)mm				
N.W	6.40kg	6.50kg	6.90kg	7.30kg	7.60kg
G.W	7.70kg	8.00kg	8.20kg	8.60kg	9.00kg



### Descriptions & Features

The 2CH Mp3 Mixing Amplifiers are designed with a professional grade 2-channel 70/100V amplifier that delivers up to 250 or 500 Watts per channel, each channel has its individual controls including Bass tone, Treble tone and Volume control.

- ※ 2 channels of 70/100-volt and 4/8 ohms(Ω) output loads with 2\*250W and 2\*500W optional.
- ※ Audio source options include Bluetooth, U disk and Aux input.
- ※ A screen displays status while playing media source.
- ※ Features Class D amplification technology.
- ※ Each channel has individual bass, treble and volume control.
- ※ Five microphone input jacks, Mic1/Mic2/Mic3 jacks provide 48V Phantom Power.
- ※ "VOICE PRIORITY" the Mic1 can be set with priority over the other inputs.
- ※ A line output supplies audio signal to additional amplifier.
- ※ Complete protection provided for output short circuit, overload, high temperature with led meters to indicate the level status for each channel.

### Rear Panel



### Specifications

Model	RH2250WM	RH2500WM
Rated Power	2x250W	2x500W
Amplifier System	Class D 90% efficient (2 channels)	
Media Source Option	Bluetooth, U-disk or Aux input	
Speaker Output Mode	Low impedance: 4 & 8 ohms (Ω) Voltage line: 70V & 100V	
Aux Input	Unbalanced R&L (RCA) x 2	
Line Output	Unbalanced R&L (RCA) x 1	
Mic Input	Mic1/Mic2/Mic3 with XLR and 6.35 jack, Mic4/Mic5 with 6.35 jack	
Output Level Meter	Power, signal, clip, protection	
Frequency Response	100Hz~15kHz z(±3 dB)	
T.H.D	<1% at 1kHz, 1/3 rated power	
S/N	≥75dB	
Tone Control	BASS: 100 Hz (± 10 dB) , TREBLE: 10k Hz (± 10 dB)	
Protection	Short circuit, overload, high temperature	
AC Fuse	T4A	T8A
Power Supply	AC 110-240V- 50/60Hz	
Power Consumption	625W	1250W
Power Cord	(3×0.75 mm <sup>2</sup> )×1.5m	
Chassis Design	2U rack with handles and mounting ears	
Dimension (HxWxD)	89x483x350mm	
Carton Size (HxWxD)	185x520x435mm	
Net Weight	7.95kg	8.55kg
Gross Weight	9.25kg	9.85kg

**6CH Matrix MP3 Mixer Amplifier**
**RH-6120MMA/RH-6240MMA**

**Descriptions & Features**

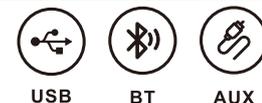
Equipped with 6 units of amplifier with 6 separate 100V and 8Ω speaker outputs, with media player of USB/FM/Bluetooth and four AUX inputs, each zone can enjoy different audio source in a matrix way, can support connecting 4 remote microphones, which can make voice announcement to any selected zone or zones remotely, maximum six amplifiers can be linked together to realize totally 36-zone speaker system, ideal for multi-room and multi-music applications.

- ※ With BT/FM/USB input/AUX input/MIC input/ALARM input/EMC input
- ※ LCD displays (128\*64) status while playing media source
- ※ Matrix audio input choice
- ※ Supports connection of 4 remote microphones
- ※ Priority: Remote MIC > ALARM > Local MIC > AUX
- ※ 6-channel 100-volt and 8 ohms(Ω) speaker loads
- ※ Maximum 6 amplifiers together to realize total 36-zone speaker system
- ※ Complete protection provided for output short circuit, overload, high temperature
- ※ Rack mount brackets included

**Specifications**

Model	RH-6120MMA	RH-6240MMA
Rated Power	6 x 120W	6 x 240W
Compatible Media	USB/Bluetooth/FM	
Input Audio (Matrix audio choice)	5 ( Internal source/AUX1/AUX2/AUX3/AUX4)	
Line Input	4 Port (AUX1/AUX2/AUX3/AUX4)	
Line Output	6 port (CH1/CH2/CH3/CH4/CH5/CH6)	
Alarm Input	6 port (CH1/CH2/CH3/CH4/CH5/CH6) ( 0V ) Short cut signal ( Alarm in )	
Alarm Output	1 Port ( 0V ) Short cut signal ( Alarm Out )	
USB	1 Port	
EMC Input	1 Port	
Remote Micro Input Port (Rj45)	4 Port	
Priority Level	EMC > Remote Mic > Local Micro > the other audio inputs (BT/USB/AUX)	
Frequency Response	80Hz~18Khz	
Maximum Zone	36 Zone	
Protection	short circuit, overload, high temperature	
Power Supply	110-220VAC ± 10% 50-60HZ	
Dimension(WxDxH)	430x330x90mm	
Packing Size(WxDxH)	520x410x185mm	
N.W	7.00kg	7.60kg
G.W	9.00kg	9.60kg

**Rear Panel**

**6 Zone Remote Microphone RH-636MC**


- ※ The 6 Zone Remote Paging Microphone RH-636MC works together with 6CH Matrix Amplifier to make multiple-zone voice announcement up to 36 zones by using 6 units of matrix amplifier.
- ※ This microphone has equipped audio source U disk player, bluetooth connectivity and AUX input, which allow users to play background music directly to the multiple-zone speakers.
- ※ This remote microphone can be placed anywhere where needed far away from the matrix amplifier up to 1000 meters with connection by CAT cable.



Model	RH-636MC
Audio Source	USB, Bluetooth, Aux
Paging Option	Individual-zone, group-zone, all-zone
Zones Controlled	1-36 Zone
Frequency	50Hz~20Khz
THD	<0.01% at 1Khz
S/N	>70db
CAT6 Distance	Up to 1km
Power Supply	DC24V 2A with AC adapter
Power Consumption	5-10W
Dimension (WxDxH)	205x151x51mm
Net Weight	1.20kg



Class-D



### Descriptions & Features

The PA Power Amplifiers are designed for background music, paging and public address system installations, these units are exceptional values, loaded with features, and are easy to be installed in a variety of system designs.

- ✘ Power rates: **650W/1000W/1500W/2000W/2500W** available.
- ✘ Class-D amplifier circuitry.
- ✘ 100V and 8Ω loads.
- ✘ RCA and XLR input & output jacks for convenient connection.
- ✘ Volume controller.
- ✘ 5 level indicators.
- ✘ Protections of short circuit, overload, high temperature.

### Rear Panel



### Specifications

Model	RH650DH	RH1000DH	RH1500DH	RH2000DH	RH2500DH
Rated Power	650W	1000W	1500W	2000W	2500W
Output Mode	8Ω and 100V				
Line Input	10k ohms(Ω)<1V, unbalanced				
Line Output	10k ohms(Ω)0.775V(0 dB), unbalanced				
Frequency Response	60Hz~15kHz(±3dB)				
THD	<0.5% at 1kHz, 1/3 rated power				
S/N	>105 dB				
Damping Factor	600				
Slew Rate	40V/ μS				
Output Regulation	<3 dB, from level without signal to be loaded fully				
Controls	1 volume control, power on/off				
Cooling	DC12V FAN				
Indicators	TEMP, POWER, CLIP, SIGNAL, PROT				
AC Fuse	T8A	T12A	T25A	T25A	T25A
Power Cable	(3×1.5 mm <sup>2</sup> )×1.5m				
Power Supply	AC100-240V ±10% 50-60Hz				
Power Consumption	813W	1250W	1875W	2500W	3125W
Dimension	50(H)×483(W)×305(D)mm				
Packing Size	115(H)×520(W)×390(D)mm				
N.W	5.30kg	5.40kg	5.60kg	5.70kg	5.80kg
G.W	6.30kg	6.40kg	6.60kg	6.70kg	6.80kg



Class-D



## Descriptions & Features

This series of professional grade 2-channel amplifier can deliver output power(Watts) options that are 2\*120W, 2\*240W and 2\*350W. Line 100-volt and low impedance 8 ohms( $\Omega$ ) output loads are provided.

The front panel includes a power switch, LED indicator lights include Power, Input, Output, Clip and Protection. The back panel includes 2 channels of signal inputs with gain controls that can be used to increase or decrease input levels on both channels.

This rack-mountable commercial amplifier features Class D amplification technology that is extremely energy efficient but also capable of producing a powerful output signal for large, medium, or small audio systems such as restaurants, meeting halls, sports venues, and other spaces where multiple speakers are needed.

- ※ Standard 19" 1U rack-mounting housing.
- ※ Built-in 2 channels of Class D amplifier.
- ※ Two kinds of power supply AC100V-240V and DC24V.
- ※ Waterproof power supply connector.
- ※ 2 channels of audio signal input.
- ※ 2 channels of 100-volt output load.
- ※ 2 channels of 8 ohms( $\Omega$ ) output load.
- ※ Equipped with 2 channels of audio inputs with gain control.
- ※ LED indicator lights include Input, Output, Clip and Protection.
- ※ Protections of short circuit, overload, high temperature.

## Rear Panel



## Specifications

Model	RH1212D	RH1224D	RH1235D
Rated Power	2*120W	2*240W	2*350W
Speaker Load	2-channel 100V, 2-channel 8 ohms ( $\Omega$ )		
Audio Signal Input	2-channel phoenix terminal		
Input Sensitivity	10K 0.775V-1V, balanced signal		
Fre. Response	100Hz~18kHz ( $\pm 3$ dB)		
THD	<0.3% at 1kHz, 1/3 rated power		
S/N	$\geq 85$ dB		
Cooling	DC24V FAN		
Indicators	POWER, SIGNAL, CLIP, PROT		
AC Fuse	T10A/250V		
AC Power Input	PFC POWER, AC100V~240V, 50/60Hz		
DC Power Input	DC24V		
Consumption	288W	576W	840W
Dimension	45(H) $\times$ 483(W) $\times$ 366(D)mm		
Net Weight	5.20kg	5.30kg	5.40kg
Gross Weight	6.20kg	6.30kg	6.40kg



Class-D 4-Channel



### Descriptions & Features

This series of professional grade 4-channel amplifier can deliver output power (Watts) options that are 4\*120W, 4\*240W and 4\*350W. Line 100-volt and low impedance 8 ohms( $\Omega$ ) output loads are provided.

The front panel includes a power switch, LED indicator lights include Power, Input, Output, Clip and Protection. The back panel includes 4 channels of signal inputs with gain controls that can be used to increase or decrease input levels on both channels.

This rack-mountable commercial amplifier features Class D amplification technology that is extremely energy efficient but also capable of producing a powerful output signal for large, medium, or small audio systems such as restaurants, meeting halls, sports venues, and other spaces where multiple speakers are needed.

- ※ Standard 19" 1U rack-mounting housing.
- ※ Built-in 4 channels of Class D amplifier.
- ※ Two kinds of power supply AC100V-240V and DC24V.
- ※ Waterproof power supply connector.
- ※ 4 channels of audio signal input.
- ※ 4 channels of 100-volt output load.
- ※ 4 channels of 8 ohms( $\Omega$ ) output load.
- ※ Equipped with 4 channels of audio inputs with gain control.
- ※ LED indicator lights include Input, Output, Clip and Protection.
- ※ Protections of short circuit, overload, high temperature.

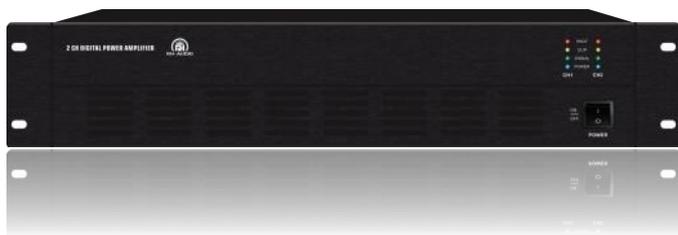
### Rear Panel



### Specifications

Model	RH1412D	RH1424D	RH1435D
Rated Power	4*120W	4*240W	4*350W
Speaker Load	4-channel 100V, 4-channel 8 ohms ( $\Omega$ )		
Audio Signal Input	4-channel phoenix terminal		
Input Sensitivity	10K 0.775V-1V, balanced signal		
Fre. Response	100Hz~18kHz ( $\pm 3$ dB)		
THD	<0.3% at 1kHz, 1/3 rated power		
S/N	$\geq 85$ dB		
Cooling	DC24V FAN		
Indicators	POWER, SIGNAL, CLIP, PROT		
AC Fuse	T10A/250V		
AC Power Input	PFC POWER, AC100V~240V, 50/60Hz		
DC Power Input	DC24V		
Consumption	576W	1152W	1680W
Dimension	45(H) $\times$ 483(W) $\times$ 366(D)mm		
Net Weight	5.70kg	5.80kg	5.90kg
Gross Weight	6.70kg	6.80kg	6.90kg

**2CH Power Amplifier**
**RH2120DW/RH2240DW/RH2350DW/RH2480DW**

**Class-D 2-Channel**

**Specifications**

Model	RH2120DW	RH2240DW	RH2350DW	RH2480DW
Rated Power	2x120W	2x240W	2x350W	2x480W
Output Mode	Line voltage 70V/100V, Low impedance 4 ohms (Ω)			
Input Terminal	Phoenix terminal			
Output Terminal	Phoenix terminal			
Input Sensitivity	2.7KΩ 0.775V~1V, balanced signal			
Aux Output	0.775V (0 dBV)			
Fre. Response	100Hz~18kHz (±3dB)			
THD	<0.3% at 1kHz, 1/3 rated power			
S/N	≥85 dB			
Cooling	DC24V FAN			
Indicators	POWER, SIGNAL, DISTORTION, PROT			
AC Fuse	T2.5A	T5A	T8A	T10A
Controls	2 Volume control, 1 Power on/off			
Power Input	PFC POWER, AC100V~240V, 50/60Hz			
Consumption	300W	600W	875W	1200W
Dimension	89(H)×483(W)×366(D) mm			
Net Weight	6.80kg	7.90kg	8.20kg	8.85kg
Gross weight	8.10kg	9.20kg	9.50kg	10.15kg

**Descriptions & Features**

These Amplifiers are designed for background music, paging and public address system installations, these units are exceptional values, loaded with features, and are easy to install in a variety of system designs.

- ※ Standard 19" 2U rack-mounting housing.
- ※ Built-in 2 channels of Class D amplifier.
- ※ 2 channels of 70/100-volt output load.
- ※ 2 channels of 4 ohms(Ω) output load.
- ※ Equipped with 2 channels of audio inputs with gain control.
- ※ Audio loop outputs that provide to additional amplifiers.
- ※ LED indicator lights include Power, Signal, Clip and Protection.
- ※ Protections of short circuit, overload, high temperature.

**Rear Panel**

**4CH Power Amplifier**
**RH4120DW/RH4240DW/RH4350DW/RH4480DW**

**Class-D 4-Channel**

**Specifications**

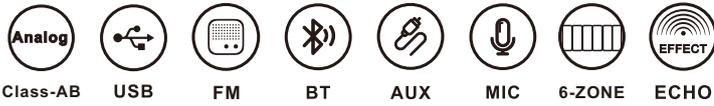
Model	RH4120DW	RH4240DW	RH4350DW	RH4480DW
Rated Power	4x120W	4x240W	4x350W	4x480W
Output Mode	Line voltage 70V/100V, Low impedance 4 ohms (Ω)			
Input Terminal	Phoenix terminal			
Output Terminal	Phoenix terminal			
Input Sensitivity	2.7KΩ 0.775V~1V, balanced signal			
Aux Output	0.775V (0 dBV)			
Fre. Response	100Hz~18kHz (±3dB)			
THD	<0.3% at 1kHz, 1/3 rated power			
S/N	≥85 dB			
Cooling	DC24V FAN			
Indicators	POWER, SIGNAL, DISTORTION, PROT			
AC Fuse	T6.3A	T10A	T15A	T20A
Controls	4 Volume control, 1 Power on/off			
Power Input	PFC POWER, AC100V~240V, 50/60Hz			
Consumption	600W	1200W	1750W	2400W
Dimension	89(H)×483(W)×366(D) mm			
Net Weight	9.20kg	11.50kg	12.10kg	13.50kg
Gross weight	10.50kg	12.80kg	13.60kg	14.50kg

**Descriptions & Features**

These Amplifiers are designed for background music, paging and public address system installations, these units are exceptional values, loaded with features, and are easy to install in a variety of system designs.

- ※ Standard 19" 2U rack-mounting housing.
- ※ Built-in 4 channels of Class D amplifier.
- ※ 4 channels of 70/100-volt output load.
- ※ 4 channels of 4 ohms(Ω) output load.
- ※ Equipped with 4 channels of audio inputs with gain control.
- ※ Audio loop outputs that provide to additional amplifiers.
- ※ LED indicator lights include Power, Signal, Clip and Protection.
- ※ Protections of short circuit, overload, high temperature.

**Rear Panel**

### Descriptions & Features

The USB/BT/FM Mixing Amplifier (Class AB) is designed to meet the requirements of medium sized professional public address installations, and designed with overall 70/100-volt and 4/8 ohms( $\Omega$ ) loads and featured an industry leading 6 zoned 100-volt load solution, with provided an audio output to 6 different zones within the venue, each zone has its own separate volume control manually operated on front panel.

- ✧ Built-in Bluetooth receiver, USB player and FM tuner.
- ✧ Class AB amplifier solution.
- ✧ High-definition LCD display (128\*64).
- ✧ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ✧ 6-Zone 100V speaker outputs with individual volume control.
- ✧ EMC input available for emergency broadcasting.
- ✧ Built-in ECHO effect.
- ✧ Mic 1 has priority over the inputs.
- ✧ Mic 2 and Mic 3 use universal jacks.
- ✧ BASS and TREBLE tone controllers. Master volume control.
- ✧ Complete protection provided for output short circuit, overload, high temperature.
- ✧ Removable rack mounting brackets supplied.

### Rear Panel

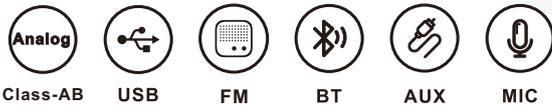


### Specifications

Model	RH-MF120	RH-MF240	RH-MF350	RH-MF500	RH-MF650
Rated Power	120W	240W	350W	500W	650W
Output Mode	70V/100V line voltage, low impedance 4 $\Omega$ /8 $\Omega$				
6 Zoned Output	100V line voltage				
Media Source	Bluetooth (5.0), FM tuner, U disk(APE/FLAC/WMA/WAV/MP3), AUX in				
MIC Input	MIC1/ MIC2/MIC3:600 ohms 5-8 mV , Unbalanced				
AUX Input	AUX1/ AUX2:10k ohms 150-470 mV , Unbalanced				
EMC Input	Top priority over other inputs				
Frequency Response	60Hz~18kHz( $\pm$ 3dB)				
THD	<0.5% at 1kHz, 1/3 rated power				
S/N	Line:85 dB, MIC:>72 dB				
Tone	BASS:100 Hz( $\pm$ 10dB), TREBLE:12kHz( $\pm$ 10dB)				
Cooling	DC12V FAN				
Protection	AC fuse, short circuit, overload, high temperature				
LED Indicators	POWER, SIGNAL, CLIP, PROTECT				
Power supply	~220V $\pm$ 10%, 50/60Hz				
Power Consumption	175W	350W	485W	640W	832W
Dimensions	89(H)x483(W)x366(D)mm				
Packing Size	185(H)x520(W)x435(D)mm				
Net Weight	12.70Kg	15.10Kg	16.10Kg	18.60Kg	20.00Kg
Gross Weight	13.70Kg	16.10Kg	17.10Kg	19.60Kg	21.00Kg

## MP3 Mixing Amplifier

## RH61MB


**Descriptions & Features**

This Usb/Bt/Fm Mixing Amplifier is designed as convenient solution for small to medium PA installations with USB player,Bluetooth receiver and FM tuner in a compact housing. Inputs for all audio source governed by front panel volume controls,and the digital screen displays the working status of playing programmes, which can be controlled by the front panel buttons or the remote control.

- ※ Rated Power: **60W**.
- ※ Built-in **U disk MP3 player,FM and Bluetooth receiver**.
- ※ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ※ SMT circuit boards with highly stable performance.
- ※ Three microphone jacks.
- ※ On the front panel the Mic1 has 6.35mm jack,on the rear panel it has XLR jack supporting 48V phantom power.
- ※ Mic1 has priority over the other inputs.
- ※ High-definition display for the working status of playing programme.
- ※ Individual volume controller for inputs,and master volume controller for all.
- ※ BASS and TREBLE tone controllers.
- ※ Complete protection is provided for output short circuit,overload, high temperature,peak current limiters

**Rear Panel**

**Specifications**

Model	RH61MB
Rated Power	<b>60W</b>
Output Mode	Low impedance:4 & 8 ohms ( $\Omega$ ), Voltage line:70V & 100V
USB Music Format	Supported with MP3,WMA,WAV
Frequency Response	55Hz~20kHz( $\pm 3$ dB)
T.H.D	<1% at 1kHz,1/3 rated power
S/N	$\geq 75$ dB
Tone Control	BASS:100 Hz ( $\pm 10$ dB) , TREBLE:10k Hz ( $\pm 10$ dB)
Audio Input	MIC,AUX, USB, BLUETOOTH,FM
Protection	Short circuit,overload,high temperature
AC Fuse	T1A
Power Supply	AC 220-240V- 50/60Hz
Power Consumption	95W
Power Cord	(3 $\times$ 0.75 mm <sup>2</sup> ) $\times$ 1.5M
Dimension	100(H) $\times$ 290(W) $\times$ 260(D) mm
Carton Size	155(H) $\times$ 365(W) $\times$ 305(D) mm
Net Weight	5.50kg
Gross Weight	6.30kg



### Descriptions & Features

The 5-Zone Usb/Bt/Fm Mixing Amplifiers are designed to meet the requirements of medium sized professional public address installations, and designed with overall 70/100-volt and 4/8 ohms( $\Omega$ ) loads and featured an industry leading 5 zoned 100 volt load solution, 150/300 watts of amplifier power are available, with provided an audio output to 5 different zones within the venue, each zone has its own separate switch on/off manually operated on front panel.

- ✘ Power rates: **150W/300W**
- ✘ Built-in **U disk MP3 player, FM and Bluetooth receiver.**
- ✘ **5 Zoned 70V or 100V speaker outputs** with individual switch ON/OFF.
- ✘ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ✘ Five microphone jacks, Mic1/Mic2/Mic3/Mic4 can support 48V phantom power.
- ✘ Mic1 has priority over the other inputs.
- ✘ High-definition display for the working status of playing programme.
- ✘ Built-in Chime and Siren circuitry with push-button and volume control.
- ✘ BASS and TREBLE tone controllers. Master volume control.
- ✘ Complete protection provided for output short circuit, overload, high temperature.
- ✘ Removable rack mounting brackets supplied.

### Rear Panel

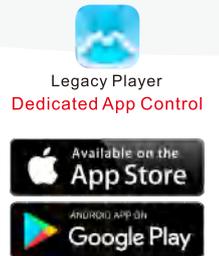
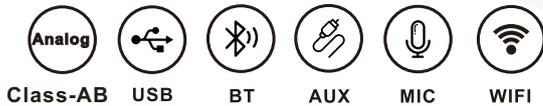


### Specifications

Model	RH151MB	RH301MB
Rated Power	150W	300W
Speaker Output Mode	Low impedance: 4 & 8 ohms ( $\Omega$ ), Voltage line: 70V & 100V	
USB Music Format	Supported with MP3, WMA, WAV	
Frequency Response	60Hz~20kHz( $\pm 3$ dB)	
T.H.D	<1% at 1kHz, 1/3 rated power	
S/N	$\geq 75$ dB	
Tone Control	BASS: 100 Hz ( $\pm 10$ dB), TREBLE: 10k Hz ( $\pm 10$ dB)	
Audio Input	MIC, AUX, FM, USB, BLUETOOTH	
Protection	Short circuit, overload, high temperature	
AC Fuse	F4A	F6A
Power Supply	AC 220-240V- 50/60Hz	
Power Consumption	200W	450W
Power Cord	(3 $\times$ 0.75 mm <sup>2</sup> ) $\times$ 1.5M	
Dimension (HxWxD)	100x430x340mm	
Carton Size	165x505x415mm	
Net Weight	8.90kg	10.60kg
Gross Weight	10.40kg	12.10kg

## Wifi/MP3 Mixing Amplifier

## RH61WIFI



### Descriptions & Features

This Wifi/Usb/Bt Mixing Amplifier is designed as convenient solution for small to medium PA installations with USB player, Bluetooth and WiFi receiver supporting wifi connection via the App Legacy, we can enjoy online music or online internet radio including Tunein, Spotify, Tidal etc.



- ✘ Built-in WiFi wireless music streaming receiver, Bluetooth receiver and USB player.
- ✘ High-definition LCD display (128\*60) to show the playing status.
- ✘ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ✘ SMT circuit boards with highly stable performance.
- ✘ Three microphone input jacks.
- ✘ On the front panel the Mic1 has 6.35mm jack, on the rear panel it has XLR jack supporting 48V phantom power.
- ✘ Mic1 has priority over the other inputs.
- ✘ High-definition display for the working status of playing programme.
- ✘ Individual volume controller for inputs, and master volume controller for all.
- ✘ BASS and TREBLE tone controller
- ✘ Protection provided for output short circuit, overload, high temperature, peak current limiters.

### Rear Panel



### Specifications

Model	RH61WIFI
Rated Power	60W
Output Mode	Low impedance: 4 & 8 ohms ( $\Omega$ ), Voltage line: 70V & 100V
WiFi Solution	Legacy Wireless Hi-Fi System
WiFi APP Name	Legacy Player
WiFi APP Version	Wi-Fi 8.2.11 b/g/n (AP/STA modes supported)
Wi-Fi Mode	Android, iOS
Music Format	Supported with MP3, WMA, WAV, ACC (ACC+), Apple lossless, ALAC, FLAC, APE
Frequency Response	55Hz~20kHz ( $\pm 3$ dB)
T.H.D	<1% at 1kHz, 1/3 rated power
S/N	$\geq 75$ dB
Tone Control	BASS: 100 Hz ( $\pm 10$ dB), TREBLE: 10k Hz ( $\pm 10$ dB)
Audio Input	MIC, AUX, USB, BLUETOOTH, WIFI
Protection	Short circuit, overload, high temperature
AC Fuse	T1A
Power Supply	AC 220-240V- 50/60Hz
Power Consumption	95W
Power Cord	(3 $\times$ 0.75 mm <sup>2</sup> ) $\times$ 1.5M
Dimension	100(H) $\times$ 290(W) $\times$ 260(D) mm
Carton Size	155(H) $\times$ 365(W) $\times$ 305(D) mm
Net Weight	5.50kg
Gross Weight	6.30kg



Legacy Player

Dedicated App Control



### Descriptions & Features

The 6-Zone Wifi/Usb/Bt Mixing Amplifiers are designed as convenient solution for small to medium PA installations with **USB player, Bluetooth** and **WiFi receiver** supporting wifi connection via **App Legacy**, we can enjoy online music or online internet radio including Tunein, Spotify, Tidal etc.



Featured an industry leading 6 zoned 100 volt load solution provides an audio output to 6 different zones within the venue, each zone has its own volume control manually operated on front panel.

- ✧ Built-in WiFi wireless receiver, Bluetooth receiver and USB player.
- ✧ High-definition LCD display (128\*64) to show the playing status.
- ✧ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ✧ 6-zone 100V speaker outputs with individual volume control.
- ✧ Three XLR microphone input jacks supporting 48V Phantom Power.
- ✧ Mic1 has priority over the other inputs, and it has one 6.35mm jack on front panel.
- ✧ High-definition display for the working status of playing programme.
- ✧ BASS and TREBLE tone controllers.
- ✧ Protection provided for output short circuit, overload, high temperature, peak current limiters.
- ✧ Removable rack mounting brackets supplied

### Rear Panel



### Specifications

Model	RH6120WIFI	RH6240WIFI	RH6350WIFI
Rated Power	120W	240W	350W
Output Mode	Low impedance: 4 & 8 ohms ( $\Omega$ ), Voltage line: 70V & 100V		
WiFi Solution	Legacy Wireless Hi-Fi System		
WiFi APP Name	Legacy Player		
WiFi APP Version	Wi-Fi 8.2.11 b/g/n (AP/STA modes supported)		
Wi-Fi Mode	Android, iOS		
Music Format	Supported with MP3, WMA, WAV, ACC (ACC+), Apple lossless, ALAC, FLAC, APE		
Frequency Response	60Hz~20kHz ( $\pm 3$ dB)		
T.H.D	<1% at 1kHz, 1/3 rated power		
S/N	$\geq 75$ dB		
Tone Control	BASS: 100 Hz ( $\pm 10$ dB), TREBLE: 10k Hz ( $\pm 10$ dB)		
Audio Input	MIC, AUX, USB, BLUETOOTH, WIFI		
Protection	Short circuit, overload, high temperature		
AC Fuse	T2A	T4A	T4A
Power Supply	AC 220-240V- 50/60Hz		
Power Consumption	185W	350W	485W
Power Cord	(3x0.75 mm <sup>2</sup> )x1.5M		
Dimension	100x430x340mm		
Carton Size	165x505x415mm		
Net Weight	8.30kg	12.50kg	12.70kg
Gross Weight	9.70kg	13.90kg	14.10kg

**USB/FM/DAB+ Mixing Amplifier**
**RH1060MD/RH1120MD**

**Descriptions & Features**

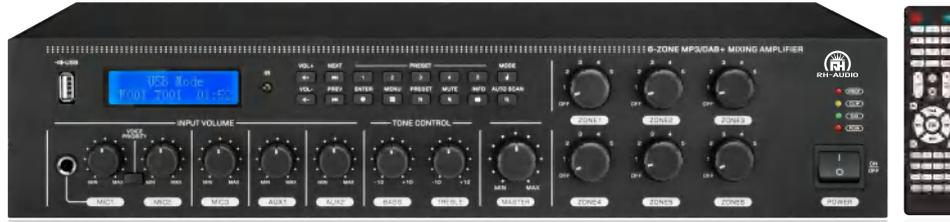
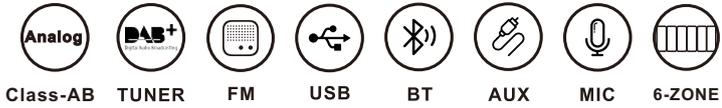
These **Mixing Amplifiers** are designed as convenient solution which accommodates different kinds of audio sources including **USB/MP3-player,Bluetooth-receiver** and a **tuner receiver** supporting **FM/RDS/DAB/DAB+**, providing a solution of **Digital audio broadcasting (DAB+)**, the signals of which are transmitted in-band, on-channel (IBOC). Several stations can be carried within the same frequency spectrum. And with outstanding features including improved sound quality, reduced fading and multipath effects, enhanced immunity to weather, noise, and other interference, and expansion of the listener base by increasing the number of stations that can broadcast within a given frequency band.

- ✘ Compatible media:USB,Bluetooth,FM(RDS),DAB+(DAB),Aux in.
- ✘ 1 Aux input,1 Line output.
- ✘ Digital Class-D amplifier type with **60W and 120W** available.
- ✘ 70/100-volt and 4 to 16 ohms( $\Omega$ ) output loads.
- ✘ Two 6.35mm microphone jacks.
- ✘ High-definition display for the working status of playing program.
- ✘ Controls:MIC1,MIC2,master volume,remote control.
- ✘ BASS and TREBLE tone controllers.
- ✘ Individual LED indicator for POWER/SIGNAL/PROTECTION.
- ✘ Protections provided for output short circuit,overload,high temperature,peak output level.


**Rear Panel**

**Specifications**

Model	RH1060MD	RH1120MD
Rated Power	60W	120W
Output Mode	Low impedance:4 & 8 ohms ( $\Omega$ ), Voltage line:70V & 100V	
Compatible Media	USB,Bluetooth,FM(RDS),DAB+(DAB),Aux in	
USB Playable Format	MP3,WMA,WAV	
Bluetooth Version	5.0 version	
Tuner Frequency Range	FM(RDS): 87.50 - 108.00 MHz, DAB+(DAB): 168.00 - 240.00 MHz	
MIC Input	MIC1/MIC2 : 600 ohms( $\Omega$ ) 5-10 mv ,unbalanced	
AUX Input	10k ohms( $\Omega$ ) 150-470 mv ,unbalanced	
LINE Output	0.775V (0 dB)	
Frequency Response	55Hz~20kHz( $\pm 3$ dB)	
THD	<0.5% at 1kHz,1/3 rated power	
S/N	AUX:85 dB , MIC:>72 dB	
Tone	BASS:100 Hz ( $\pm 10$ dB) , TREBLE:12k Hz ( $\pm 10$ dB)	
Protection	AC FUSE: T3.15A, Short circuit,overload,high temperature	
Power Cord	(3 $\times$ 0.5 mm <sup>2</sup> ) $\times$ 1.5M (standard)	
Power Supply	AC 100-240V 50/60 Hz	
Power Consumption	84W	168W
Net Weight	2.90kg	3.90kg
Gross Weight	3.90kg	4.40kg
Dimension	72x305x275mm	
Carton Size	130x350x350mm	



### Descriptions & Features

These Mixing Amplifiers are designed as convenient solution which accommodates different kinds of audio sources including USB/MP3-player,wireless-receiver and a tuner receiver supporting FM(RDS)/DAB+(DAB).

This series of pa amplifiers also possess two groups of AUX inputs,one group of AUX outputs,and five microphone inputs,the MIC1 input overrides the other audio sources.A digital screen displays the working status of playing program,which can be controlled by the front panel buttons or the remote control.

Built-in CHIME and SIREN circuitry with individual control on front panel. 120/240/350 watts of amplifier power are available.Featured an industry leading 6 zoned 100 volt load solution provides an audio output to 6 different zones within the venue,each zone has its own separate volume control manually operated on front panel.

- ※ Compatible media:USB,BT,FM(RDS),DAB+(DAB),Aux In.
- ※ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ※ 120W/240W/350W power outputs available.
- ※ 2 groups of Aux inputs,1 group of Aux outputs.
- ※ 6-zone 100V speaker outputs with separate volume control
- ※ Five 48V Phantom Power microphone jacks,and four 6.35mm microphone jacks.
- ※ Mic 1 has priority over the other inputs.
- ※ High-definition display for the working status of playing program.
- ※ Built-in Chime and Siren circuitry with push-button and volume control.
- ※ BASS and TREBLE tone controllers.
- ※ Individual and master volume control.
- ※ Individual LED indicator for POWER/SIGNAL/PROTECTION.
- ※ Complete protection provided for output short circuit,overload,high temperature.
- ※ Removable rack mounting brackets supplied.



### Rear Panel



### Specifications

Model	RH-MD6120WZ	RH-MD6240WZ	RH-MD6350WZ
Rated Power	120W	240W	350W
Output Mode	Low impedance:4 & 8 ohms ( $\Omega$ ), Voltage line:70V & 100V		
Compatible Media	USB,Bt,FM(RDS),DAB+(DAB),Aux in		
Playable Format	MP3,WAV		
Bluetooth Version	5.0 version		
Tuner Frequency Range	FM(RDS): 87.50 - 108.00 MHz; DAB+(DAB): 87.50 - 108.00 MHz		
MIC Input	MIC1/MIC2/MIC3 (unbalanced 6.35mm jack);MIC1/MIC2/MIC3 (balanced XLR jack)		
AUX1 Input	RCA(L&R)*1		
AUX2 Input	RCA(L&R)*1		
AUX output	LINE-RCA(L&R)*1, RECORD-RCA(L&R)*1		
Frequency Response	60Hz~20kHz( $\pm 3$ dB)		
T.H.D	<1% at 1kHz,1/3 rated power		
S/N	$\geq 75$ dB		
Tone Control	BASS:100 Hz ( $\pm 10$ dB) , TREBLE:10k Hz ( $\pm 10$ dB)		
Protection	Short circuit,overload,high temperature		
AC Fuse	T2A	T4A	T6A
Power Supply	AC 220-240V- 50/60Hz		
Power Consumption	216W	445W	650W
Power Cord	(3 $\times$ 0.75 mm <sup>2</sup> ) $\times$ 1.5M		
Dimension (HxWxD)	89x430x340mm		
Carton Size (HxWxD)	185x520x435mm		
Net Weight	10.80kg	11.30kg	12.80kg
Gross Weight	11.30kg	12.80kg	14.30kg

# PA Speaker Series



5.25" Indoor Column Speaker

RH-CS525B/RH-CS525W



🔊 Specifications

Model	RH-CS525B	RH-CS525W
Rated Power	80W@100V, 120W@8Ω	
Audio Input	100V/8Ω	
Fre. Response	80Hz-20KHz	
Sensitivity	97±3dB	
Dimension	600*162*180mm	
Installation	Indoor/Outdoor wall mount	
Material	ABS	
Net Weight	1.50kg	
Speaker Driver	2*5.25" woofer+2*1.5" silk dome tweeter	

4" Waterproof Column Speaker

RH-CS11/RH-CS12/RH-CS13/RH-CS14

IP65



🔊 Specifications

Model	RH-CS11	RH-CS12	RH-CS13	RH-CS14
Rated Power	5W/10W	10W/20W	15W/30W	20W/40W
Audio Input	100V	100V	100V	100V
Fre. Response	100Hz-15KHz	100Hz-15KHz	100Hz-15KHz	100Hz-15KHz
Sensitivity	88±3dB	89±3dB	90±3dB	91±3dB
Dimension	253*152*100mm	373*152*100mm	493*152*100mm	613*152*100mm
Installation	Indoor/Outdoor wall mount			
Material	Aluminium alloy			
Net Weight	1.60kg	2.50kg	3.30kg	3.90kg
Speaker Driver	4**1	4**2	4**3	4**4

6" Waterproof Column Speaker

RH-CS702/RH-CS704/RH-CS706/RH-CS708/RH-CS710/RH-CS712

IP65



🔊 Specifications

Model	RH-CS702	RH-CS704	RH-CS706
Rated Power	10W/20W	20W/40W	30W/60W
Audio Input	100V	100V	100V
Frequency Response	140Hz-15KHz	140Hz-15KHz	140Hz-15KHz
Sensitivity	93±3dB	94±3dB	95±3dB
Dimension (mm)	304*227*125	520*227*125	736*227*125
Installation	Indoor/Outdoor wall mount		
Material	Aluminium alloy		
Net Weight	3.20kg	5.00kg	6.80kg
Speaker Driver	6**1	6**2	6**3

Model	RH-CS708	RH-CS710	RH-CS712
Rated Power	40W/80W	50W/100W	60W/120W
Audio Input	100V	100V	100V
Frequency Response	140Hz-15KHz	140Hz-15KHz	140Hz-15KHz
Sensitivity	96±3dB	97±3dB	98±3dB
Dimension(mm)	952*227*125	1168*227*125	1384*227*125
Installation	Indoor/Outdoor wall mount		
Material	Aluminium alloy		
Net Weight	8.60kg	10.50kg	12.50kg
Speaker Driver	6**4	6**5	6**6

8" Full-Weather Column Speaker

RH-CS806/RH-CS812/RH-CS818/RH-CS824

IP65



Specifications

Model	RH-CS806	RH-C812	RH-CS818	RH-CS824
Rated Power	30W/60W	60W/120W	90W/180W	120W/240W
Audio Input	100V	100V	100V	100V
Frequency Response	100Hz-15KHz	100Hz-15KHz	100Hz-15KHz	100Hz-15KHz
Sensitivity	105±3dB	110±3dB	115±3dB	120±3dB
Dimension(mm)	430*250*230	650*250*230	905*250*230	1305*250*230
Installation	Indoor/Outdoor wall mount		Indoor/Outdoor wall mount	
Material	Aluminium alloy		Aluminium alloy	
Net Weight	7.00kg	9.00kg	12.00kg	15.00kg
Speaker Driver	Woofer 8"×1+ Horn tweeter 1.5"×1	Woofer 8"×2+ Horn tweeter 1.5"×1	Woofer 8"×3+ Horn tweeter 1.5"×1	Woofer 8"×4+ Horn tweeter 1.5"×1

3" Waterproof Column Speaker

RH-CS330W/RH-CS330B/RH-CS360W/RH-CS360B

IP65



Specifications

Model	RH-CS330W/RH-CS330B	RH-CS360W/RH-CS360B
Rated Power	100V- 5W/8W/15W/30W & 8Ω-30W	100V- 8W/15W/30W/60W & 4Ω-60W
Audio Input	100V	100V
Frequency Response	110-20KHZ	110-20KHZ
Sensitivity	87±3 dB	88±3 dB
Dimension (mm)	376*109*102mm	606*109*102mm
Installation	Indoor/Outdoor wall mount	
Material	Aluminium alloy	
Net Weight	3.00kg	4.00kg
Speaker Driver	3"×2 + 2"×1	3"×4 + 2"×1

Wall Mount Speaker

RH-MS55W/RH-MS55B/RH-MS65W/RH-MS65B



Specifications

Model	RH-MS55W/RH-MS55B	RH-MS65W/RH-MS65B
Rated Power	2.5W/5W/10W/20W	3.75W/7.5W/15W/30W
Audio Input	70V/100V/8Ω	70V/100V/8Ω
Frequency Response	80Hz~20KHz	70Hz~20KHz
Sensitivity	89±3dB	91±3dB
Dimension	110*155*235mm	130*185*285mm
Installation	Wall mount with rotatable bracket	
Material	ABS enclosure, ABS bracket	
Finish	Black or white	
Net Weight	2.60kg	3.50kg
Speaker Driver	5" *1+1" *1	6.5" *1+1" *1

Wall Mount Speaker

RH-MS15/4,RH-MS15/5,RH-MS15/6



Specifications

Model	RH-MS15/4B RH-MS15/4W	RH-MS15/5B RH-MS15/5W	RH-MS15/6B RH-MS15/6W
Rated Power	2.5W/5W/10W/20W	3.75W/7.5W/15W/30W	5W/10W/20W/40W
Audio Input	70V/100V/8Ω	70V/100V/8Ω	70V/100V/8Ω
Frequency Response	100Hz-20KHz	85Hz-20KHz	70Hz-20KHz
Sensitivity	87±3dB	88±3dB	89±3dB
Dimension	215*170*150 mm	242*182*162mm	284*215*190mm
Installation	Wall mount with rotatable bracket		
Material	ABS enclosure,metal bracket		
Finish	Black or white		
Net Weight	2.20kg	2.50kg	3.50kg
Speaker Driver	4" *1+1" *1	5" *1+1" *1	6" *1+1" *1

Waterproof Wall Mount Speaker

RH-MS820B/RH-MS820W/RH-MS860B/RH-MS860W

IP55



Specifications

Model	RH-MS820B RH-MS820W	RH-MS860B RH-MS860W
Rated Power	2.5W/5W/10W/20W	7.5W/15W/30W/60W
Audio Input	70V/100V/8Ω	70V/100V/8Ω
Frequency Response	80Hz-20KHz	70Hz-20KHz
Sensitivity	89±3dB	90±3dB
Dimension	158*129*238mm	214*178*329mm
Installation	Wall mount with rotatable bracket	
Material	ABS housing,steel bracket ,aluminum grille	
Finish	Black or white	
Net Weight	2.40kg	4.80kg
Speaker Driver	4"*1+1.5"*1	6"*1+1.5"*1

Waterproof Wall Mount Speaker

RH-MS720B/RH-MS760B/RH-MS7100B  
RH-MS720W/RH-MS760W/RH-MS7100W

Ip66



Specifications

Model	RH-MS720B RH-MS720W	RH-MS760B RH-MS760W	RH-MS7100B RH-MS7100W
100V input	2.5W/5W/10W/20W	7.5W/15W/30W/60W	12.5W/25W/50W/100W
70V input	2.5W/5W/10W/20W	7.5W/15W/30W/60W	12.5W/25W/50W/100W
8 Ohm input	20W	60W	100W
Ip Rated	Ip66 waterproof	Ip66 waterproof	Ip66 waterproof
Sensitivity(1m/1W)	87±3 dB	94±3 dB	91±3 dB
Frequency Response	80Hz-20KHz	60Hz-20KHz	50Hz-20KHz
Dimension(D*W*H)	146*138*238 mm	200*190*330 mm	260*230*400mm
Installation	Adjustable bracket	Adjustable bracket	Adjustable bracket
Material	PP housing and bracket Aluminum grille	PP housing and bracket Aluminum grille	PP housing Steel bracket and grille
Woofer Driver	4"*1 (waterproof)	6.5"*1 (waterproof)	8"*1 (waterproof)
Tweeter Driver	1"*1 (waterproof)	1.5"*1 (waterproof)	1.5"*1 (waterproof)
Finish	White or Black	White or Black	White or Black
Net Weight	1.80 kg	3.60 kg	5.50 kg

Waterproof Wall Mount Speaker

RH-MS940B/RH-MS940W

Ip66



Specifications

Model	RH-MS940B/RH-MS940W
Rated Power	5W/10W/20W/40W
Audio Input	70V/100V/8Ω
Frequency Response	50Hz~20KHz
Sensitivity	86±3 dB
Dimension	285*200*195mm
Installation	Wall mount with rotatable bracket
Material	ABS housing,aluminum bracket and grille
Finish	Black or white
Net Weight	5.00kg
Speaker Driver	6.5"*1+1"*1

Wall Mount Speaker

RH-MS15/RH-MS04



Descriptions

These Wall Mounted Speakers generally produce better sound without taking up the valuable floor space, can be placed anywhere for commercial applications such as the sound reproduction in areas such as schools, shopping malls, restaurants, factories, gymnasiums etc.

- ※ Built-in 100V transformer (This technique of line input 100V reduces signal losses on a longer distance and allows easy parallel connection of multiple loudspeakers).
- ※ Full ABS enclosure and front grille.
- ※ Easy and secure wall mount through the mounting hook.

Specifications

Model	RH-MS15	RH-MS04
Rated Power	5W/10W	3W/6W
Audio Input	100V	100V
Frequency Response	150-15KHz	150-15KHz
Sensitivity	91±3dB	91±3dB
Dimension	260*185*120mm	161*161*100mm
Installation	Wall mount through mounting hook	
Material	ABS enclosure & grille	Full ABS
Finish	White	White
Net Weight	1.30kg	0.80kg
Speaker Driver	6.5"*1	4"*1

## Wall Mount Speaker

### RH-MS18/RH-MS19/RH-MS20



#### Descriptions

These Wall Mounted Speakers generally produce better sound without taking up the valuable floor space, can be placed anywhere for commercial applications such as the sound reproduction in areas such as schools, shopping malls, restaurants, factories, gymnasiums etc.

- ✘ Built-in 100V transformer (This technique of line input 100V reduces signal losses on a longer distance and allows easy parallel connection of multiple loudspeakers).
- ✘ ABS enclosure with metal grille.
- ✘ Easy and secure wall mount through the mounting hook.

#### Specifications

Model	RH-MS18	RH-MS19	RH-MS20
Rated Power	5W/10W	5W/10W	3W/6W/10W
Audio Input	100V	100V	100V
Frequency Response	100-15KHz	150-15KHz	140-18KHz
Sensitivity	92±3dB	92±3dB	92±3dB
Dimension	275*182*120mm	350*240*100mm	280*110*80mm
Installation	Wall mount through mounting hook		
Material	ABS enclosure, metal grille	ABS enclosure, metal grille	Full ABS
Finish	White enclosure, gray grille	White	White
Net Weight	1.35kg	1.70kg	1.10kg
Speaker Driver	6.5**1	6.5**1	6.5**1+2**1

## Ceiling Speaker

### RH-T031/RHT03/RH-T13/RH-T23



#### Descriptions

These Ceiling Speakers can deliver very good sound to any room or commercial applications, from speakers you can barely see by being installed directly overhead, without having to sacrifice any wall, floor, or shelf space.

Built-in step-down transformer to simplify impedance calculations and to minimize power loss over the speaker cables, are most appropriate for high-voltage audio distribution systems.

Easy to install, requiring only that you cut a hole, feed the wires through, and simply drop the speaker by letting the spring clamps seize the ceiling with no extra assembly or mess.

#### Specifications

Model	RH-T031	RH-T03	RH-T13	RH-T23
Rated Power	3W/6W	3W/6W	3W/6W	5W/10W
Audio Input	100V	100V	100V	100V
Frequency Response	160Hz-20KHz	160Hz-20KHz	110-15KHz	110-15KHz
Sensitivity	90±3 dB	90±3 dB	93±3 dB	93±3 dB
Dimension	Φ149*63mm	Φ149*52mm	Φ188*76mm	Φ228*90mm
Cutting Hole	Φ132mm	Φ132mm	Φ170mm	Φ205mm
Installation	In-ceiling mounting with spring clamps			
Grille	Iron			
Finish	White	White	White	White
Net Weight	0.45kg	0.40kg	0.70kg	1.00kg
Speaker Driver	4**1	4**1	6**1	8**1

Ceiling Speaker

RH-T16/RH-T105/RH-TH205



These Ceiling Speakers can deliver incredible stereo sound to any room or commercial applications, from speakers you can barely see by being installed directly overhead, without having to sacrifice any wall, floor, or shelf space.

Built-in step-down transformer to simplify impedance calculations and to minimize power loss over the speaker cables, are most appropriate for high-voltage audio distribution systems.

Easy to install, requiring only that you cut a hole, feed the wires through, and simply drop the speaker by letting the spring clamps seize the ceiling with no extra assembly or mess.

**Specifications**

Model	RH-T16	RH-TH105	RH-TH205
Rated Power	3W/6W	5W/10W	10W/20W
Audio Input	100V		
Frequency Response	120-20KHz	90-20KHz	110-15KHz
Sensitivity	87±3dB	88±3dB	93±3dB
Dimension	Φ188*76mm	Φ188*76mm	Φ228*90mm
Cutting Hole	Φ170mm	Φ170mm	Φ205mm
Installation	In-ceiling mounting with spring clamps		
Material	ABS+metal		
Finish	White		
Net Weight	0.60kg	0.70kg	1.00kg
Speaker Driver	6**1	6**1+1**1	8**1+1**1

Ceiling Speaker

RH-TH515/RH-TH620



**Descriptions**

These speakers are designed with coaxial system of unique round shape with back can. The long-throw paper cone woofer is utilized for powerful middle and low frequency sound reproduction, while the coaxially mounted mylar dome tweeter round out the high sound pressure level.

And adopt high quality ABS material baffle with dog-ears for easy blind mount installations, plus the clear and high-fidelity performance, these speakers are ideal for a variety of settings ranging from restaurant and retail settings to professional offices and reception / waiting areas.

**Specifications**

Model	RH-TH515	RH-TH620
Rated Power	15W	20W
Audio Input	100V	100V
Frequency Response	100~20KHz	90~20KHz
Sensitivity	±3dB	±3dB
Dimension	Φ201*100mm	Φ230*115mm
Cutting Hole	Φ167mm	Φ195mm
Installation	In-ceiling with dog-ear hook	
Material	ABS enclosure	ABS enclosure
Finish	white	white
Net Weight	0.95kg	1.05kg
Speaker Driver	5**1+1**1	6**1+1**1

## Ceiling Speaker

### RH-TH906

#### Hi-fidelity



#### Descriptions

This is a 2-way ceiling speaker with a high quality **6.5" Woven Cone** Woofer and a **1" Silk Dome tweeter** in a co-axial arrangement.

The Woven Cone with rubber surround is utilized for powerful middle and low frequency sound reproduction, while the 1" coaxially mounted silk dome tweeter round out the high sound pressure level.

The **sophisticated two-way crossover** works to deliver deep bass and exceptional top-end frequency response. Efficient and quick installation using improved swing-out dog legs and a frameless design. **Micro edge magnetic grille** provides for an unobtrusive appearance while allowing these speakers to fit beautifully in any interior design.

The premium performance capability ensures excellent sound character, providing pleasant sound throughout the listening area. perfectly suited for background music and speech reproduction in a wide range of environments, from retail, conference rooms and restaurants to hotels, office buildings, airports and home theaters etc.

#### Features

- ※ **Rimless design with magnetically-attached grille.**
- ※ **2-way coaxial sound system with professional crossover.**
- ※ **6.5" fiberglass woven cone woofer.**
- ※ **1" silk dome tweeter.**
- ※ 100V or 70V distributed speaker lines, or in 8 ohm direct mode.
- ※ Adjustable knob to select input mode and various power outputs:  
Line 70V: 1.88W/3.75W/7.5W/15W/30W  
Line 100V: 3.75W/7.5W/15W/30W  
8Ω(Ohms): 30W

#### Specifications

Model	RH-TH906		
Input Mode	70V	100V	8Ω
Power Taps	2=1.88W 3=3.75W 4=7.5W 5=15W 6=30W	2=3.75W 3=7.5W 4=15W 5=30W 6=N.C.	1=30W
<ul style="list-style-type: none"> <li>● DO NOT USE IN POSITION 1(8Ω) ON A 70V/100V SYSTEM, OR DAMAGE WILL OCCUR.</li> <li>● DO NOT USE IN POSITION 6(N.C.) ON A 100V SYSTEM, OR DAMAGE WILL OCCUR.</li> </ul>			
SPL(1W/1M)	90 dB		
Freq. Response	70-20KHz		
Woofer Driver	woven cone 6.5"*1		
Tweeter Driver	silk dome 1"*1		
Material	ABS enclosure, metal grille and clamps		
Cutout Size	Φ205mm		
Dimension	Φ235*101mm		

## Ceiling Speaker

### RH-TH51/RH-TH61/RH-TH81



#### Descriptions

These Coaxial Ceiling Speakers utilize powerful low woofer and high tweeter for achieving high-fidelity sound performance.

Built-in step-down transformer to simplify impedance calculations and to minimize power loss over the speaker cables, are most appropriate for high-voltage audio distribution systems.

And adopt high quality ABS material baffle with dog-ears for easy blind mount installations, plus the clear and high-fidelity performance, these speakers are ideal for a variety of settings ranging from restaurant and retail settings to professional offices and reception/waiting areas.

#### Specifications

Model	RH-TH51	RH-TH61	RH-TH81
Rated Power	5W/10W/20W	7.5W/15W/30W	10W/20W/40W
Audio Input	100V	100V	100V
Frequency Response	100-20KHz	90-20KHz	60-20KHz
Sensitivity	88±3dB	90±3dB	93±3dB
Dimension	Φ203*80mm	Φ230*90mm	Φ270*105mm
Cutting Hole	Φ170mm	Φ200mm	Φ240mm
Installation	In-ceiling with dog-ear hook		
Material	ABS enclosure, metal grille		
Finish	White	White	White
Net Weight	1.20kg	1.60kg	2.10kg
Speaker Driver	5"*1+1"*1	6"*1+1"*1	8"*1+1"*1

**Ceiling Speaker**
**RH-TH75/RH-TH76/RH-TH78**

**Descriptions**

These 2-way ceiling speakers are designed with a high quality woofer and a tweeter in a coaxial arrangement.

The fibreglass woven woofer with rubber surround is utilized for powerful middle and low frequency sound reproduction, while the coaxially mounted silk dome tweeter round out the high sound pressure level.

Efficient and quick installation using improved swing-out dog legs and a frameless grille design, this micro edge grille provides an unobtrusive appearance while allowing these speakers to fit beautifully in any interior design.

**Specifications**

Model	RH-TH75	RH-TH76	RH-TH78
Rated Power	2.5W/5W/10W/20W	3.75W/7.5W/15W/30W	5W/10W/20W/40W
Audio Input	100V/70V/8Ω		
Frequency Response	100Hz ~ 20KHz	90Hz ~ 20KHz	50Hz ~ 20KHz
Sensitivity	88±3 dB	88±3 dB	88±3 dB
Dimension	Φ210*85mm	Φ240*95mm	Φ285*105mm
Cutting Hole	Φ185mm	Φ205mm	Φ250mm
Installation	In-ceiling		
Material	ABS enclosure, metal grille		
Finish	black enclosure, white grille		
Net Weight	1.25kg	1.50kg	2.2kg
Speaker Driver	5.25**1+1**1	6.5**1+1**1	8**1+1**1

**Ceiling Speaker**
**RH-THS75/RH-THS76/RH-THS78**

**Descriptions**

These 2-way ceiling speakers are designed with a high quality woofer and a tweeter in a coaxial arrangement.

The fibreglass woven woofer with rubber surround is utilized for powerful middle and low frequency sound reproduction, while the coaxially mounted silk dome tweeter round out the high sound pressure level.

Efficient and quick installation using improved swing-out dog legs and a frameless grille design, this micro edge grille provides an unobtrusive appearance while allowing these speakers to fit beautifully in any interior design.

**Specifications**

Model	RH-THS75	RH-THS76	RH-THS78
Rated Power	2.5W/5W/10W/20W	3.75W/7.5W/15W/30W	5W/10W/20W/40W
Audio Input	100V/70V/8Ω		
Frequency Response	100Hz ~ 20KHz	90Hz ~ 20KHz	50Hz ~ 20KHz
Sensitivity	88±3 dB	88±3 dB	88±3 dB
Dimension	Φ210*165mm	Φ240*165mm	Φ285*200mm
Cutting Hole	Φ185mm	Φ205mm	Φ250mm
Installation	In-ceiling		
Material	ABS enclosure, metal grille		
Finish	black enclosure, white grille		
Net Weight	1.70kg	2.05kg	2.95kg
Speaker Driver	5.25**1+1**1	6.5**1+1**1	8**1+1**1

Ceiling Speaker

RH-TM64



**Descriptions**

This Ceiling Speaker RH-TM64 can deliver good sound to any room or commercial applications, from speakers you can barely see by being installed directly overhead, without having to sacrifice any wall, floor, or shelf space.

Easy to install, requiring only that you cut a hole, feed the wires through, and simply drop the speaker by letting the spring clamps seize the ceiling with no extra assembly or mess.

**Specifications**

Model	RH-TM64
Rated Power	6W/3W
Audio Input	100V
Frequency Response	100~18KHz
Sensitivity	92±3dB
Dimension	Φ200*90mm
Cutting Hole	Φ175mm
Installation	In-ceiling
Material	iron
Finish	white
Net Weight	0.90kg
Speaker Driver	6**1

Floor Subwoofer

RH-SW8100F



**Descriptions**

These are 8 inch passive subwoofers featuring powerful bass response, incorporates a large magnet structure, treated paper cone, and long throw butyl rubber surround for lasting, low distortion performance, is perfect for adding an extra level of bass and low-end to your sound system.

**Specifications**

Model	RH-SW8100F
Rated power	80W
Speaker driver	8" subwoofer
Audio Input	100V
Sensitivity (1 W/1 m)	87 dB
Maximum SPL	107 dB
Frequency response	50 Hz - 150 Hz
Cabinet	15mm MDF and coated in a textured paint finish
Bass reflex port	one
Front grille	steel
Subwoofer color	black
Subwoofer size (W*D*H)	300*300*300mm
Net weight	8.50kg

Ceiling Subwoofer

RH-SW880C



**Specifications**

Model	RH-SW880C
Rated power	80W @ 70V/100V 120W @ 4Ω
Speaker driver	8" subwoofer
Audio Input	70V/100V/4Ω
Sensitivity (1 W/1 m)	87 dB
Maximum SPL	107 dB
Frequency response	40 Hz - 500 Hz
Enclosure	ABS
Front grille	steel
Color	black enclosure, white grille
Dimension	Φ285*255mm
Cutting hole	Φ250mm
Net weight	4.60kg

Full-Weather Horn Speaker

RH-HS34/RH-HS43/RH-HS15

IP65



**Descriptions**

The PA Horn Speakers are made of robust, virtually indestructible ABS or aluminium alloy material offering maximum protection against shock and weather making them ideal for mounting in extreme conditions with IP65 rated, whether on vehicles, boats or in exposed outdoor installations, all are fitted with a sturdy, adjustable mounting bracket.

**Specifications**

Model	RH-HS34	RH-HS43	RH-HS15
Rated Power	7.5W/15W	15W/30W	7.5W/15W
Audio Input	100V	100V	100V
Frequency Response	400Hz-5KHz	400Hz-6KHz	380Hz-6.5KHz
Sensitivity	105±3dB	108±3dB	110±3dB
Dimension	222*162*232 mm	285*205*280 mm	Φ200*230mm
Installation	Adjustable mounting bracket		
Material	ABS	ABS	Aluminium alloy
Net Weight	1.40kg	2.00kg	2.30kg

Full-Weather Horn Speaker

RH-HS30/RH-HS50/RH-HS100

IP65



**Descriptions**

These PA Horn Speakers are made of robust, virtually indestructible materials offering maximum protection against shock and weather and making them ideal for mounting in extreme conditions with IP65 level.

Suitable on vehicles, boats or in exposed outdoor installation.

**Specifications**

Model	RH-HS30	RH-HS50	RH-HS100
Rated Power	15W/30W	25W/50W	50W/100W
Audio Input	100V	100V	100V
Frequency Response	100Hz-10KHz	90Hz-20KHz	60Hz-18KHz
Sensitivity	97±3dB	99±3dB	102±3dB
Dimension	246*292mm	325*350mm	504*370mm
Installation	Adjustable mounting bracket		
Material	Aluminium alloy		
Net Weight	2.08kg	2.30kg	5.10kg

IP65



### 🔊 Descriptions

The PA Horn Speakers are made off robust, virtually indestructible ABS or aluminium alloy material offering maximum protection against shock and weather making them ideal for mounting in extreme conditions with Ip65 rated, whether on vehicles, boats or in exposed outdoor installations, all are fitted with a sturdy, adjustable mount-mounting bracket.

### 🔊 Specifications

Model	RH-HS45	RH-HS48
Rated Power	15W/30W	25W/50W
Audio Input	100V	100V
Frequency Response	100Hz-10KHz	90Hz-20KHz
Sensitivity	97 ± 3dB	99 ± 3dB
Dimension	366*165*272 mm	362*252*310 mm
Installation	Adjustable mounting bracket	
Material	ABS	ABS
Net Weight	3.00kg	3.90kg

IP65



### 🔊 Descriptions

The Projection Speakers offer high quality sound with contemporary styling. Designed for indoor and outdoor applications with IP65 rated. These projection speakers are supplied with an adjustable 'U' shaped mounting bracket allowing for easy installation.

### 🔊 Specifications

Model	RH-CH06	RH-CH07
Rated Power	2.5W/5W/10W	5W/10W/20W
Audio Input	100V	100V
Fre. Response	110Hz-15KHz	120Hz-15KHz
Sensitivity	92 ± 3dB	92 ± 3dB
Dimension	Φ 138*205mm	Φ 170*245mm
Installation	ABS enclosure, aluminum alloy grille & bracket	
Material	ABS	Aluminium alloy
Net Weight	1.80kg	2.70kg
Speaker Driver	5"*1	6"*1

**Full-Weather Projection Speaker**
**RH-CH30/RH-CH31**
**(Uni-directional)**
**IP65**

**Descriptions**

The Projection Speakers offer high quality sound with contemporary styling. Designed for indoor and outdoor applications with IP65 rated. These projection speakers are supplied with an adjustable 'U' shaped mounting bracket allowing for easy installation.

**Specifications**

Model	RH-CH30	RH-CH31
Rated Power	2.5W/5W/10W	5W/10W/20W
Audio Input	100V	100V
Fre. Response	110Hz-15KHz	120Hz-15KHz
Sensitivity	92±3dB	92±3dB
Dimension	Φ 138*205mm	Φ 170*252mm
Installation	Adjustable bracket	Adjustable bracket
Material	Aluminium alloy	Aluminium alloy
Net Weight	1.80kg	2.70kg
Speaker Driver	5**1	6**1

**Full-Weather Projection Speaker**
**RH-CH205/RH-CH210**
**(Bi-directional)**
**IP65**

**Descriptions**

The Projection Speakers offer high quality sound with contemporary styling. Designed for indoor and outdoor applications with IP65 rated. These projection speakers are supplied with an adjustable 'U' shaped mounting bracket allowing for easy installation.

**Specifications**

Model	RH-CH205	RH-CH210
Rated Power	2.5W/5W/10W	5W/10W/20W
Audio Input	100V	100V
Fre. Response	110Hz-15KHz	120Hz-15KHz
Sensitivity	92±3dB	92±3dB
Dimension	Φ 138*205mm	Φ 170*252mm
Installation	Adjustable bracket	Adjustable bracket
Material	Aluminium alloy	Aluminium alloy
Net Weight	1.80kg	2.70kg
Speaker Driver	5**2	6**2

**Pendant/Wall Mount Speaker**
**RH-SL420B/RH-SL420W**

**Descriptions**

This speaker was designed for high ceilings and open space environments. Featuring 0.75-inch silk dome tweeter and 5-inch pp woofer, with a built in 8ohm/70V/100V selector. This speaker can be hung from the ceiling or wall mounted, the steel hanging rope and wall mounting bracket are supplied. Suitable for a variety of occasions, especially in stores, department stores, schools, offices, hotels and restaurants sound applications.

**Specifications**

Model	RH-SL420B/RH-SL420W
Power Tapping(100V)	3W/6W/10W/20W
Power Tapping(70V)	3W/6W/10W/20W
Constant Resistance(8Ω)	30W
Sensitivity(1m/1W)	90dB
S.P.L(1m/30W)	101dB
Frequency Response	85Hz ~ 20kHz
Dispersion Angle(1kHz / -6dB)	150°
Dimensions	Φ142 x 195mm
Enclosure	ABS
Grille	Aluminium
Net Weight	1.50kg
Color	White/Black
Speker Driver	Woofer 5" + Tweeter 3/4"

Full-Weather Pendant Speaker

RH-SL01/RH-SL02

Ip55



**Descriptions**

The Pendant Speakers are designed for use where traditional ceiling mounted speakers are difficult or impractical to install. Used in such areas as very high raked, suspended, concrete, or exposed ceilings etc.

Installation requires a single fixing with connection concealed within the ceiling rose provided.

**Specifications**

Model	RH-SL01	RH-SL02
Rated Power	2.5W/5W/10W	5W/10W/20W
Audio Input	100V	100V
Fre. Response	130Hz-15KHz	110Hz-15KHz
Sensitivity	91±3dB	92±3dB
Dimension	Φ 138mm	Φ 170mm
Installation	Suspended	Suspended
Material	Aluminium alloy	Aluminium alloy
Net Weight	2.20kg	2.60kg
Speaker Driver	5**1	6**1

Full-Weather Pendant Speaker

RH-SL08/RH-SL09

Ip55



**Descriptions**

The Pendant Speakers are designed for use where traditional ceiling mounted speakers are difficult or impractical to install. Used in such areas as very high raked, suspended, concrete, or exposed ceilings etc.

Installation requires a single fixing with connection concealed within the ceiling rose provided.

**Specifications**

Model	RH-SL08	RH-SL09
Rated Power	2.5W/5W/10W	5W/10W/20W
Audio Input	100V	100V
Fre. Response	110Hz-15KHz	130Hz-15KHz
Sensitivity	92±3dB	91±3dB
Dimension	Φ 138mm	Φ 170mm
Installation	Suspended	Suspended
Material	ABS	ABS
Net Weight	2.20kg	2.60kg
Speaker Driver	5**1	6**1

Full-Weather Pendant Speaker

RH-SL16/RH-SL18

Ip55



**Descriptions**

The Pendant Speakers are designed for use where traditional ceiling mounted speakers are difficult or impractical to install. Used in such areas as very high raked, suspended, concrete, or exposed ceilings etc.

Installation requires a single fixing with connection concealed within the ceiling rose provided.

**Specifications**

Model	RH-SL16	RH-SL18
Rated Power	2.5W/5W/10W	2.5W/5W/10W
Audio Input	100V	100V
Fre. Response	150Hz-15KHz	150Hz-15KHz
Sensitivity	92±3dB	92±3dB
Dimension	Φ 180 mm	Φ 180mm
Installation	Suspended	Suspended
Material	ABS	ABS
Net Weight	1.00kg	2.45kg
Speaker Driver	5**1	5**1

**Full-Weather Garden Speaker**
**RH-S51/RH-S61/RH-S63/RH-S65/RH-KT31**
**IP65**

**Descriptions**

The Best-performing Landscape Speakers deliver stereo performance over a wide listening area, an excellent choice for indoor if you prefer not to mount speakers to your home, and also for outdoor applications such as theme parks, hotels tennis courts, golf course, residential districts, villa districts or any architecturally landscaped areas etc.

The enclosure is constructed of all weather resistant with material of fibreglass reinforced plastic (FRP), to ensure performance and maintain a good appearance for years to come, in even the most temperamental and unpredictable climates with IP 65 rating.

**Specifications**

Model	RH-S51	RH-S61	RH-S63	RH-S65	RH-KT31
Rated Power	10W/20W	10W/20W	10W/20W	15W/30W	10W/20W
Audio Input	100V	100V	100V	100V	100V
Fre. Response	100Hz-16KHz	100Hz-15KHz	100Hz-15KHz	80Hz-15KHz	150Hz-15KHz
Sensitivity	95±3dB	95±3dB	95±3dB	95±3dB	91±3dB
Dimension	230*210*255mm	320*270*270 mm	370*290*260mm	465*295*475mm	Φ380*450mm
Installation	Screwed				
Material	Fibreglass reinforced plastic				
Net Weight	3.0±0.3kg	3.8kg±0.3kg	5.0±0.3kg	7.8kg±0.8kg	5.5kg±0.5kg
Speaker Driver	5.5**1	5.5**1	5.5**1	5.5**1	5.5**1

**Full-Weather Garden Speaker**
**RH-KT27R/RH-KT26/RH-KT520/RH-KT530**
**IP65**

**Descriptions**

The Best-performing Landscape Speakers deliver stereo performance over a wide listening area, an excellent choice for indoor if you prefer not to mount speakers to your home and also for outdoor applications such as theme parks, hotels tennis courts, golf course, residential districts, villa districts or any architecturally landscaped areas etc.

The enclosure is constructed of all weather resistant with material of fibreglass reinforced plastic (FRP) or PP, to ensure performance and maintain a good appearance for years to come, in even the most temperamental and unpredictable climates with IP 65 rating.

**Specifications**

Model	RH-KT27R	RH-KT26	RH-KT520	RH-KT530
Rated Power	10W/20W	10W/20W	20W	30W
Audio Input	100V	100V	100V	100V
Fre. Response	150Hz-15KHz	130Hz-15KHz	70Hz-20KHz	70Hz-20KHz
Sensitivity	91±3dB	91±3dB	91+3 dB	91+3 dB
Dimension	Φ370*395	330*325*485	270*335*260mm	280*375*370
Installation	Screwed		Screwed	
Material	Fibreglass reinforced plastic		PP	
Net Weight	4.2kg±0.5kg	6.5±0.5kg	4.1±0.5kg	3.0±0.5kg
Speaker Driver	3.5**2	5.5**1	5**1	5**1

# Audio Source Series



**CD/DVD Player**
**RH2812CD**
**CD/DVD/USB**

**Descriptions & Features**

The USB/CD/DVD Player RH2812CD is an ideal as a background music source in a sound system of all sizes.

With original splendid fluorescence dynamic screen on aluminum panel, this player provides you super decoding solution and strong Disc correction function.

- ※ With remote control.
- ※ Full functional infra-red leisurely remote controlling operation.
- ※ Built-in MP3 player with a USB slot for connecting external U Disk.
- ※ VIDEO output: 1VP-P.
- ※ AUDIO output: 1.5V.
- ※ With 1.5U height.
- ※ Supports more formats: DVD, VCD, CD, HDCD, DIVX, SVCK, MPEG4, Np3, WMA, CDR/RW format disc and auto play function.

**Rear Panel**

**Specifications**

Model	RH2812CD
Compatible Media	CD, DVD, USB
Playable Formats	CD: CD/CD-R, CD-RW; USB: MP3, WAV, WMA
Audio Output	0.775V ± 0.2V (Output Impedance 600 Ohm)
Video Output	0.775V ± 0.2V (Output Impedance 75 Ohm)
Distortion	≤ -60dB
S/N	≥ 80dB
Frequency Response	20Hz ~ 18KHz
Power Cable	(2 × 0.5 mm <sup>2</sup> ) × 1.5m
Power Supply	AC 220V ± 10% 50-60Hz
Power Consumption	10 ~ 15W
Dimension	51(H) × 483(W) × 250(D) mm
Net Weight	2.70kg
Gross Weight	3.80kg

**Digital CD Player**
**RH620CUB**
**CD/BT/USB**

**Descriptions & Features**

This Digital CD player RH620CUB supports USB and Bluetooth connectivity, also includes an AUX input for local additional audio source, this highly versatile yet affordable media player is perfect for retail, education, hotel applications and any other pa commercial audio system.

The drive will load the CD automatically when it is inserted into this slot. On the rear side, the outputs are provided with RCA & XLR connection interface.

This player can be operated through the front panel pushbuttons, also can be done through its remote control.

1U height design for installation in standard equipment rack or on desk.

**Specifications**

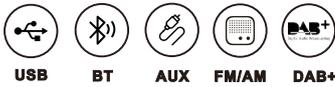
Model	RH620CUB
System	CD/USB/BT Player
Compatible media	CD, USB, Bluetooth, Aux In
Playable formats	CD: CD, CD-R, CD-RW USB: MP3, WAV, WMA, FLAC, APE
Bluetooth version	5.0 version
Frequency response	20 Hz - 20 KHz (± 0.5 dB)
S/N ratio	More than 105 dB
T.H.D	Less than 0.005%
Unbalanced out L/R	RCA terminal Load impedance: Over 10 kΩ/kohms Output level: 2 Vrms (Max. 10 dBu) at 10 kΩ/kohms load
Balanced out L/R	XLR terminal (1: GND, 2: Hot, 3: Cold) Load impedance: Over 600Ω/ohms Output level: 8.23 dBu (Max. 24 dBu) at 600Ω/ohms load
Power supply	AC 100-240V 50/60 Hz
Power consumption	30W (0.5W standby)
Product size	372x267x49mm
Carton size	520x355x117mm
Net Weight	3.30kg
Gross Weight	4.00kg



## Digital Tuner

## RH650FRD

## USB/BT/AUX/AM/FM/RDS/DAB+



Model	RH650FRD
System	Digital Tuner Player
Compatible media	USB, Bluetooth, FM(RDS), DAB+(DAB), AM, Aux in
Playable formats	USB: MP3, WAV, WMA, FLAC, APE
Bluetooth version	5.0 version
Tuner Frequency Range	FM(RDS): 87.50 - 108.00 MHz ; DAB+(DAB): 168.00 - 240.00 MHz ; AM: 522 - 1620 KHz
Frequency response	20 Hz - 20 KHz (±0.5 dB)
S/N ratio	More than 105 dB
T.H.D	Less than 0.005%
Unbalanced out L/R	Load impedance: Over 10 kΩ/kohms Output level: 2 Vrms (Max. 10 dBu) at 10 kΩ/kohms load
Balanced out L/R	Load impedance: Over 600Ω/ohms Output level: 8.23 dBu (Max. 24 dBu) at 600Ω/ohms load
Power supply	AC 100-240V 50/60 Hz
Power consumption	30W (0.5W standby)
Product size	372x267x49mm
Carton size	520x355x117mm
Net Weight	2.80kg
Gross Weight	3.50kg

### Descriptions & Features

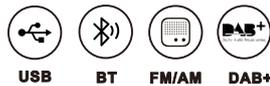
- The Digital Tuner RH650FRD is an ideal as a background music source in a sound system of all sizes by providing broadcast program material, it incorporates a digital module for precise reception of AM, FM, RDS, DAB and DAB+ signals.
- Also this player enjoys a USB port on front panel allowing to play USB disk, also an AUX input allowing to connect an additional audio source such as cd player, computer, mobile phone etc.
- Moreover built-in Bluetooth receiver supporting connectivity with mobile device.
- User can operate this device by pushing the buttons on its front panel or using its remote control.
- ✘ Manual and automatic tuning with remote control.
  - ✘ Incorporates a digital module for precise reception of AM, FM, RDS, DAB and DAB+ signals.
  - ✘ Enjoys a USB port on front panel allowing to play USB disk.
  - ✘ An AUX input allowing to connect additional audio source.
  - ✘ Bluetooth connectivity.
  - ✘ 1U design for installation in standard equipment rack or on desk.



## 2CH All-in-One Media Player

## RH680CAS

## CD/USB/BT/AM/FM/RDS/DAB+



### Specifications

Model	RH680CAS
Compatible media	Channel A: CD, USB, Bluetooth Channel B: USB, Bluetooth, FM(RDS), DAB+(DAB), AM
Playable formats	CD: CD, CD-R, CD-RW USB: MP3, WAV, WMA, FLAC, APE
Bluetooth version	5.0 version
Frequency range	FM(RDS): 87.50 - 108.00 MHz DAB+(DAB): 168.00 - 240.00 MHz AM: 522 - 1620 KHz
Frequency response	20 Hz - 20 KHz (±0.5 dB)
S/N ratio	More than 105 dB
T.H.D	Less than 0.005%
Unbalanced out L/R	RCA terminal x 2 Load impedance: Over 10 kΩ/kohms Output level: 2 Vrms (Max. 10 dBu) at 10 kΩ/kohms load
Balanced out L/R	XLR terminal x 2 (1: GND, 2: Hot, 3: Cold) Load impedance: Over 600Ω/ohms Output level: 8.23 dBu (Max. 24 dBu) at 600Ω/ohms load
Power supply	AC 115/240V 50/60 Hz
Power consumption	30W (0.5W standby)
Product size	372x267x49mm
Carton size	520x355x117mm
Net weight	3.40kg
Gross weight	4.10kg

### Descriptions & Features

- This Media Player RH680CAS is an All-In-One audio source device which accommodates different kinds of audio sources into one single device with two channels:
- Left side media combines a CD-Player, USB/MP3-player and Bluetooth-receiver.
- Right side media combines USB/MP3-player, Bluetooth-receiver and a tuner receiver supporting AM/FM(RDS)/DAB+(DAB).
- This player can be operated through the front panel pushbuttons, also can be done through its remote control.
- 1U height design for installation in standard equipment rack or on desk.
- ✘ Channel A combines a CD-Player, USB/MP3-player and Bluetooth-receiver.
  - ✘ Channel B combines USB/MP3-player, Bluetooth-receiver and a tuner receiver supporting FM/AM/RDS/DAB/DAB+.
  - ✘ Two groups of stereo outputs provided with RCA & XLR connection interface.
  - ✘ With remote control.
  - ✘ 1U design for installation in standard equipment rack or on desk.

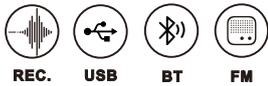
### Rear Panel



Usb Recorder & Player

RH350URP

RECORDER/USB/FM/BT



Specifications

Model	RH350URP
Compatible Media	USB,Bluetooth,FM
USB Playable Formats	MP3,WAV,WMA
Bluetooth Version	4.2 version
Frequency Response	20 Hz - 20 KHz (±0.5 dB)
S/N Ratio	More than 105 dB
T.H.D	Less than 0.005%
Record Input	RCA (R&L)
Audio Output	RCA (R&L)
Power Supply	AC 100-240V 50/60 Hz
Power Consumption	30W (0.5W standby)
Product Size	372x267x49mm
Carton Size	520x355x117mm
Net Weight	3.30kg
Gross Weight	4.00kg

Descriptions & Features

The Usb Recorder & Player RH350URP is designed with audio recorder,the recording file will be created in WAV format and saved in an external U disk connected with this unit through USB port on the front panel.

This unit can also be used as an USB player to play the MP3,WMA and WAV files. Built-in FM tuner with receiving frequency range 87.5 MHz~108 MHz.

Built-in Bluetooth receiver allowing you to connect with a mobile device. All these features make this unit be perfect for a variety of occasions where the recording and playing are required,such as class,lectures or meetings etc.

- ※ Supports voice recording.
- ※ Works as a USB disk player.
- ※ Built-in FM tuner.
- ※ Features Bluetooth connectivity.
- ※ Remote control.
- ※ Standard 1U height.

Rear Panel



Mp3 Program Timing Player

RH2806M



Specifications

Model	RH2806M
Audio Source	U disk,TF card,FM tuner,Aux input and Microphone
Audio Format	MP3,WMA,WAV
Display	4.3-inch IPS display with HD resolution 800x480
Frequency Response	60Hz~16KHz (±3dB)
S/N	≥90 dB
Built-in Speaker	Full range speaker 5W
Alarm Input	One,0V short-circuit current
Speaker Output	8 zone (100V)
AC Power Input	AC220V,50/60Hz
AC Fuse	T2AL 250V
Dimension	88(H)×485(W)×395(D)mm
Net Weight	6.50kg

Descriptions & Features

The MP3 Program Player RH2806M is an audio source platform that allows to use various audio source including from U disk,TF card,FM tuner,Aux input and Microphone.Users can add pre-recorded custom messages to set break time alerts,regular announcements,emergency notifications or automated reminders, and all of them can be activated via pre-set schedules.

- ※ Audio source including from U disk,TF card,FM tuner,Aux input and Microphone.
- ※ Colorful 24-bit 4.3-inch IPS display with HD resolution 800x480.
- ※ A featured timer with editable points for specific timing tasks.
- ※ One alarm input can receive triggering signal from fire alarm interface.
- ※ Equipped with audio recorder via microphone.
- ※ Built-in local monitor speaker to check audio output.
- ※ 3 AC power outputs can be controlled by timing points.
- ※ Can receive 100V audio signal from pa amplifier and make 8 zone speaker output.

Rear Panel



## Paging Microphone with Chime

## RH300MC/RH301MC

### RH300MC



#### Descriptions & Features

This is a compact desktop paging microphone with goose-neck positioning flexibility for sound reinforcement applications, ideal for voice announcement system.

- ✘ Built-in 2-tone chime unit.
- ✘ Effective control of feedback, reduced ambient handling noise, and low sensitivity to breath and popping sounds.
- ✘ Features a foam-mesh filter.
- ✘ Table stand with on/off switch.

#### Specifications

Model	RH300MC
Frequency Response	40Hz~16KHz
Capsule Type	Condenser
Polar Pattern	Cardioid
Output Impedance	200 Ω
Sensitivity	-38dB±2
Power Supply	DC9V / AC110-240V
Sound Pick-up Distance	40cm
Gooseneck Length	420mm
Cable Length	10m
Battery Working Time	18hrs
Base Dimension(W*D*H)	126*150*39mm
Net Weight	0.67kg

### RH301MC



#### Descriptions & Features

This is a compact desktop paging microphone with goose-neck positioning flexibility for sound reinforcement applications, ideal for voice announcement system.

- ✘ Built-in 4-tone chime unit.
- ✘ Effective control of feedback, reduced ambient handling noise, and low sensitivity to breath and popping sounds.
- ✘ Features a foam-mesh filter.
- ✘ Table stand with on/off switch.

#### Specifications

Model	RH301MC
Frequency Response	40Hz~16KHz
Capsule Type	Condenser
Polar Pattern	Cardioid
Output Impedance	200 Ω
Sensitivity	-45dB±2
Power Supply	DC9V / AC110-240V
Sound Pick-up Distance	40cm
Gooseneck Length	390mm
Cable Length	10m
Battery Working Time	18 hours
Base Dimension(W*D*H)	183*112*43mm
Net Weight	0.72kg

## 48V Phantom Power Paging Microphone

## RH302MC/RH303MC

### RH302MC



#### Descriptions & Features

This is a compact desktop paging microphone with goose-neck positioning flexibility for sound reinforcement applications, ideal for voice announcement system.

- ✘ Supports connection with +48V Phantom Power.
- ✘ Effective control of feedback, reduced ambient handling noise, and low sensitivity to breath and popping sounds.
- ✘ Features a foam-mesh filter.
- ✘ Table stand with on/off switch.

#### Specifications

Model	RH302MC
Frequency Response	40Hz~16KHz
Capsule Type	Condenser
Polar Pattern	Cardioid
Output Impedance	200 Ω
Sensitivity	-40dB±2
Power Supply	DC3V or 48V Phantom Power
Sound Pick-up Distance	45cm
Gooseneck Length	410mm
Cable Length	8m
Battery Working Time	24hrs
Base Dimension(W*D*H)	114*140*37mm
Net Weight	0.78kg

### RH303MC



#### Descriptions & Features

This is a compact desktop paging microphone with goose-neck positioning flexibility for sound reinforcement applications, ideal for voice announcement system.

- ✘ Supports connection with +48V Phantom Power.
- ✘ Effective control of feedback, reduced ambient handling noise, and low sensitivity to breath and popping sounds.
- ✘ Features a foam-mesh filter.
- ✘ Table stand with on/off switch.

#### Specifications

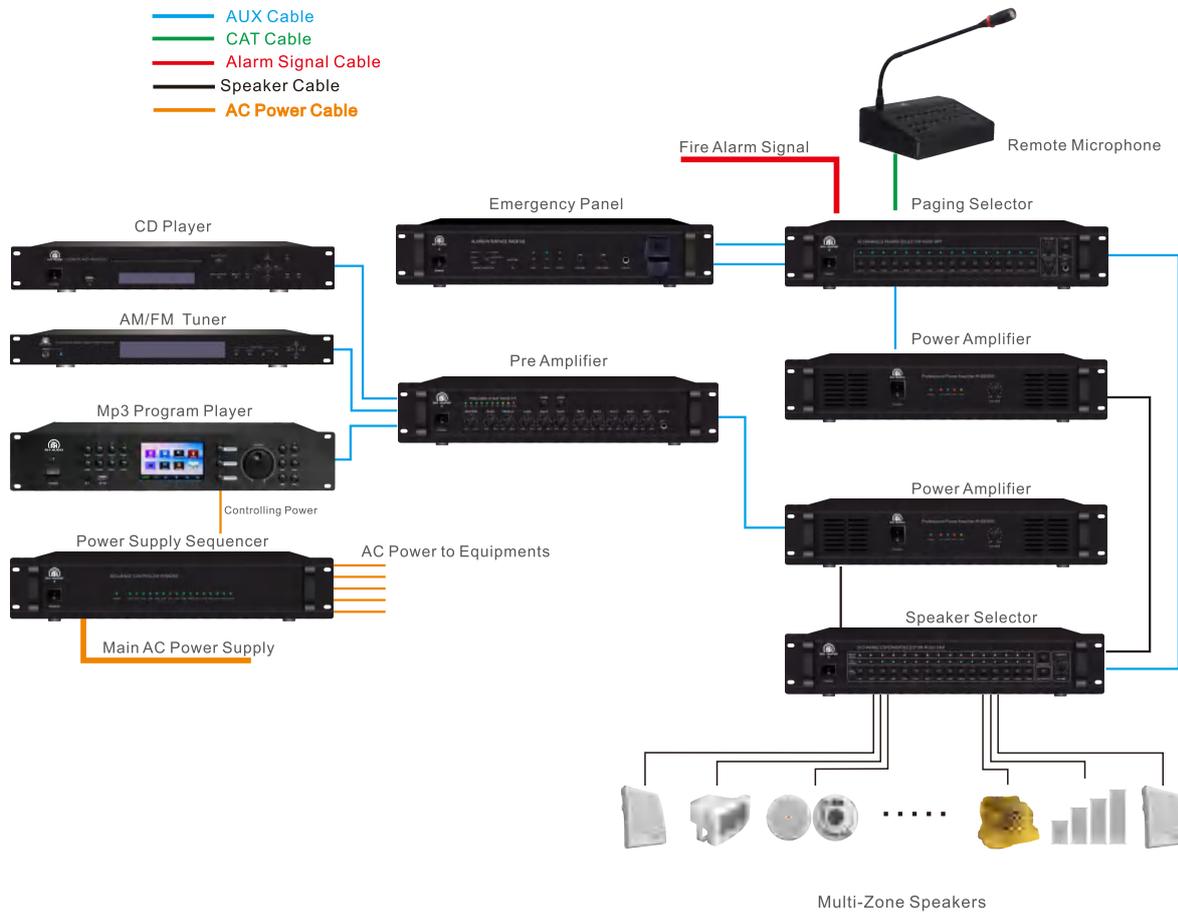
Model	RH303MC
Frequency Response	30Hz~20KHz
Capsule Type	Condenser
Polar Pattern	Cardioid
Output Impedance	200 Ω
Sensitivity	-42dB±2
Power Supply	DC3V or 48V Phantom Power
Sound Pick-up Distance	45cm
Gooseneck Length	410mm
Cable Length	8m
Battery Working Time	24hrs
Base Dimension(W*D*H)	114*168*57mm
Net Weight	0.60kg

# Multi-zone Public Address System

- Background Music System
- Voice Announcement System
- Emergency Broadcasting System
- Weekly Schedule Broadcasting System



Multi-Zone Public Address System (System can be expanded up to 64 zones)



The multi-zone pa sound system mainly include background music,remote paging system, voice evacuation system. Applicable for offices,hospitals,schools,shopping malls,commercial buildings etc.

- ※ **Background Music:** CD/MP3/FM/AM audio source are available.
- ※ **Remote Paging Microphone:** The remote paging microphone uses CAT6 cable connection, communication distance up to 1kms. The spokesman can speech to individual zone, combined zones and all zones at the paging station.
- ※ **Voice Evacuation System:** The PA system contacts inputs from fire center or smoke detector to activate the built-in pre-recorded voice message. And the emergency alarm system with highest priority to override paging and background music, it will broadcast the pre-recorded voice alarm message to all zones.
- ※ **Weekly Schedule Management:** The whole PA system can be switched on/off according to the schedules pre-set via RH2806M. And the background music or pre-recorded voice can be played/stopped according to the scheduled timings pre-set.

**Volume Control**


**RH-6V/RH-30V/RH-60V/RH-120V**  
**RH-6VF/RH-30VF/RH-60VF/RH-120VF**  
 (F means with emergency input voltage 24VDC 15mA)

**Descriptions**

If you have a multi-room audio system, you can control the volume of speakers in individual rooms by installing wall-mounted volume adjusters in each zone, the volume control wires between your amplifier/receiver and the speakers, letting you adjust the speaker volume with the soft touch 5 step rotary attenuation knob.

**Specifications**

Model	RH-6V	RH-6VF	RH-30V	RH-30VF	RH-60V	RH-60VF	RH-120V	RH-120VF
Method	Electric resistance		Transformer		Transformer		Transformer	
Rated Power	6W		30W		60W		120W	
EMC Input Voltage	24VDC 15mV		24VDC 15mV		24VDC 15mV		24VDC 15mV	
Attenuation	STEP 1: Off STEP 2: -4dB		STEP 1: Off STEP 2: -17dB		STEP 1: Off STEP 2: -18dB		STEP 1: Off STEP 2: -17dB	
	STEP 1: -1dB		STEP 1: -11dB		STEP 1: -11dB		STEP 1: -11dB	
	STEP 1: -0.5dB		STEP 1: -4.5dB		STEP 1: -5dB		STEP 1: -5.5dB	
	STEP 1: 0dB		STEP 1: 0dB		STEP 1: 0dB		STEP 1: 0dB	
Frequency Response	20~20KHz		20~20KHz		20~20KHz		20~20KHz	
Dimension	86×86×50		86×86×62		86×86×70		86×86×75	
Transformer Size	No		35×30×32		50×40×38		55×45×42	
Color	White		White		White		White	
N.W	62g		135g		295g		320g	

**100V Audio Signal Converter**
**RH1001ZH**

**Descriptions & Features**

The RH1001ZH is designed to convert a high 100V audio signal to a line level signal.

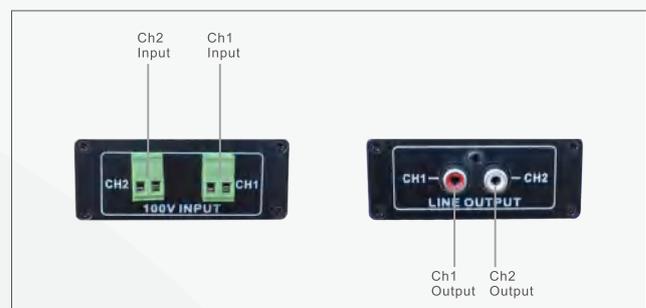
No power needed, will be very helpful for the public address audio distribution system, it can make the system connection very easy and flexible.

Ideal for signal transmission over long distances or supplying an auxiliary output from PA amplifiers or from a 100V audio signal source to the units with line input.

And very useful if extending or adding to existing installs as it negates the need to run new cables from existing amplifier or main equipment, simply tag onto the 100V loudspeaker circuit and feed the output into a local amplifier.

**Specifications**

Model	RH1001ZH
Channel Number	Two channels
Input Signal	100V amplified signal
Output Signal	Line level signal
Input Terminal	Screw plug terminal * 2
Output Terminal	RCA(unbalanced) * 2
Housing Material	Aluminium alloy
Dimension	136x80x30mm
Net Weight	450g

**Rear Panel**


## Pre Amplifier

## RH2811P



### Specifications

Model	RH2811P
MIC Input	600 ohms(Ω)5mV
EMC Input	10K ohms(Ω)200mV
Line Input	10K ohms(Ω)200mV
Line Output	10K ohms(Ω)0.775V(0dB)
Frequency Response	60Hz~15KHz(±3dB)
THD	<0.01% at 1kHz
S/N	>70dB
Muting Function	MIC 1 overrides other input signals with 0~30dB attenuation, EMC1/2 overrides all inputs except MIC1
Power Supply	100-240VAC 50/60Hz
Power Consumption	10~15W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W	5.96kg
G.W	7.62kg

### Descriptions & Features

The Pre-amplifier RH2811P has five MIC inputs, three AUX level inputs and two EMC(priority) level inputs. Priority muting is achieved via MIC 1 and EMC for overriding music for paging and emergency alarms. Individual controls are provided for MIC and AUX inputs, bass & treble controls are provided for overall tone control.

- ※ Built-in CHIME and SIREN circuit.
- ※ 10 level indicators.
- ※ Built-in chime, with mute function.
- ※ 4 outputs for four amplifiers.
- ※ 5 MIC inputs, 3 AUX inputs, 2 EMC inputs.
- ※ EMC1,2 have priority over all inputs except MIC1.
- ※ Individual volume controller for MIC & AUX inputs.
- ※ MASTER volume controller, BASS and TREBLE tone controller.

### Rear Panel



## MP3 Pre Amplifier

## RH2811PM



### Specifications

Model	RH2811PM
Media Source	U disk, Bluetooth, FM
Bluetooth Password	1688
MIC Input	MIC 1,2,3,4,5: 18mV/600 ohms, Unbalanced
AUX Input	AUX 1,2,3: 200mV/10k ohms, Unbalanced
EMC Input	EMC 1,2: 1.5V/10k ohms, Unbalanced
Tone	BASS:±10dB at 100Hz, TREBLE:±10dB at 10KHz
Frequency Response	20Hz - 20KHz
S/N Ratio	MIC 1,2: 70dB; AUX 1,2,3: 80dB
THD	Less than 0.1%
Muting Function	MIC 1 overrides other input signals with 0-30 dB attenuation, EMC1,2 overrides all inputs except MIC1
LED Indicators	POWER, signal level
Protection	AC fuse
Power Requirements	100-240VAC 50/60Hz
Power Consumption	50W
Dimensions (W×D×H)	483(W)×366(D)×89(H)mm
Weight	7.50kg

### Descriptions & Features

- ※ Built-in USB player, Bluetooth receiver, FM receiver.
- ※ Equipped with preamplifier boards with controls on front panel.
- ※ 5 MIC inputs, 3 AUX inputs, 2 EMC inputs, 4 AUX outputs.
- ※ MIC1 input has priority over other inputs.
- ※ BASS and TREBLE tone controllers are provided.
- ※ Individual volume controller for MIC & AUX inputs.
- ※ MASTER volume controller of all outputs.
- ※ Built-in SIREN circuitry with pushbutton on front panel for an orderly emergency evacuation of people and conducting a fire or an emergency drill manually.
- ※ Connecting Alarm Panel for emergency broadcasting automatically.
- ※ Built-in CHIME circuitry with pushbutton on front panel for attracting listeners' attention prior to speaking.
- ※ 4 signal outputs for connecting 4 units of power amplifiers.

### Rear Panel



## MP3 Pre Amplifier

## RH2811PU



## Specifications

Model	RH2811PU
Media Source	U disk
MIC Input (1-3)	Unbalanced 6.35 jack
MIC Input (4-5)	Balanced XLR jack with 48V phantom power
AUX Input	AUX 1,2,3 (RCA)
EMC Input	EMC 1,2: 1.5V/10k ohms
Tone	BASS:±10dB at 100Hz, TREBLE:±10dB at 10KHz
Frequency Response	20Hz - 20KHz
S/N Ratio	MIC 1,2: 70dB; AUX 1,2,3: 80dB
THD	Less than 0.1%
Priority Level	EMC>MIC1&ALARM>the other inputs
LED Indicators	POWER, signal level
Protection	AC fuse
Power Requirements	100-240VAG 50/60HZ
Power Consumption	10W
Dimensions (W×D×H)	480(W)×200(D)×45(H)mm
Weight	2.20Kg

## Descriptions &amp; Features

- ✧ Built-in USB player.
- ✧ Equipped with preamplifier boards with controls on front panel.
- ✧ 5 MIC inputs, 3 AUX inputs, 1 EMC input, 1 ALARM input.
- ✧ MIC1 input has priority over other inputs.
- ✧ BASS and TREBLE tone controllers are provided.
- ✧ Individual volume controller for MIC & AUX inputs.
- ✧ MASTER volume controller of all outputs.
- ✧ Built-in SIREN circuitry with pushbutton on front panel for an orderly emergency evacuation of people and conducting a fire or an emergency drill manually.
- ✧ Connecting Alarm Panel for emergency broadcasting automatically.
- ✧ Built-in CHIME circuitry with pushbutton on front panel for attracting listeners' attention prior to speaking.
- ✧ 4 signal outputs for connecting 4 units of power amplifiers.

## Rear Panel



## Alarm Panel

## RH2815E



## Specifications

Model	RH2815E
MIC Input	<5mV, 600 ohms(Ω)
Line Input	<400mV, 10K ohms(Ω)
Line Output	>200mV
Frequency Response	100Hz~3.4KHz(±3dB)
THD	<0.01% at 1kHz
ADC/DAC	Sampling frequency 8kHz 5Bit
Record Time	60 minutes
Alarm Activation Input	One
Alarm Activation Level	(0V) short-cut signal
Power Cable	(3×0.75 mm <sup>2</sup> )×1.5m
Power Supply	AC 220V ±10% 50-60Hz
Power Consumption	5~10W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W	6.08kg
G.W	7.78kg

## Descriptions &amp; Features

The Alarm Panel is used in a public address system to produce an alarm sound either by a short-circuit signal to trigger auto-alarm or by a manual pushbutton, it can output a built-in siren signal or a user-recorded voice alarm or siren, with the built-in 60-second recording IC, users may record their own voice alarm or siren.

- ✧ The alarm panel produces an alarm sound automatically when activated by an external signal or manually by the pushbutton.
- ✧ The siren message can be either a built-in siren or a user pre-recorded voice message.
- ✧ 60-second digital IC for voice message recording via MIC. or LINE input.

## Rear Panel



## M/S Amplifier Switch

### RH2821M



### Specifications

Model	RH2821M
Main Channels	5 channels 'CH1~ CH5'
Spare Channel	One
Channel Capacity	150V/20A, audio signal
Input Signal	0.775V (0 dB), 10k ohms(Ω), unbalanced
Output Signal	0.775V (0 dB), 10k ohms(Ω), unbalanced (maximum volume)
Cycle Time	20mS, cycle times 30
Input Checking	50mV, cycle time 20mS
Output Checking	100mV, cycle time 20mS
Speaker Terminals	speaker output (CH1~CH5)
Power Cable	(3×1.5 mm <sup>2</sup> )×1.5m
Power Supply	AC 220V ±10% 50-60Hz
Power Consumption	20~25W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W	6.90kg
G.W	8.10kg

### Descriptions & Features

The M/S Amplifier Switch monitors up to five main power amplifiers which will be switched automatically to the spare amplifier should any one fails, with five independent channels, it can also be operated manually for power amplifier upgrades and maintenance, each channel has a volume control, manual switch, and status indicator.

- ✘ Connect to 5 main amplifiers and 1 spare amplifier.
- ✘ Automatic detection of fault units, and the first fault detected unit will be automatically switched to the spare unit, other fault units if later detected will be brought to your attention by the indicators.
- ✘ Prompt tone will ring should any main unit fails.
- ✘ Indicators have three different indications: Normal, Fault, or Spare.
- ✘ Address setting using decimal system.

### Rear Panel



## Lightning Arrester

### RH2825L



### Specifications

Model	RH2825L
Channels Controlled	4 channels (CH1 ~ CH4), optional
Input Capacity	Each channel 70/100V, 20A, audio signal
Output Capacity	Each channel 70/100V, 20A, audio signal
Lightning Protection Grade	IEC529/EN60 529 protection grade satisfied: IP20
Overload Threshold	165~300V (peak)
Impulse Discharge Current	limp(8/20)us current peak: 30KA
Current Leakage Protection	≤10mA
Insulation Resistance	≥10MΩ
Alarm Output Level	(0V) short-cut signal (ACTIVE OUT)
Power Cable	(3×1.5 mm <sup>2</sup> )×1.5m
Power Supply	AC 220V ±10% 50-60Hz
Power Consumption	20~25W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W	7.90kg
G.W	9.10kg

### Descriptions & Features

- ✘ 4 signal inputs (70V/100V audio signal) and 4 signal outputs
- ✘ Automatic detection of lightning strike to the audio line if it happens & the inputs and outputs will be cut off automatically.
- ✘ Four independent channels provide protection for up to 20A of audio power per channel.
- ✘ Protection against lightning strikes, over-voltage, and electric leakage.
- ✘ Indicators for normal and protection state.
- ✘ Lightning protection grade: IEC529/EN60 529 protection grade satisfied: IP 20.

### Rear Panel



**16-Zone Remote Paging Microphone**
**RH2816RT**

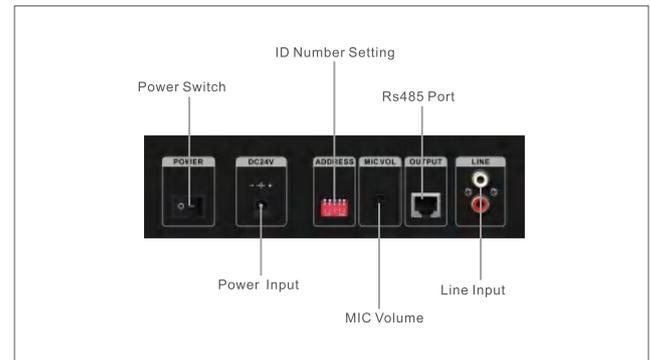
**Specifications**

Model	RH2816RT
MIC. Input	MIC:600 ohms(Ω)5mV,unbalanced
Line Input	LINE:10K ohms(Ω)0.775V(0dB),unbalanced
Line Output	LINE:10K ohms(Ω)0.775V(0dB),unbalanced
Frequency Response	MIC:100Hz~10KHz(±3dB) LINE:20Hz~15KHz(±3dB)
THD	<0.01% at 1kHz
S/N	>70dB
Zones Controlled	RH2810R "1~10", RH2816RT "1~16"
Manual Operation	Can select any zone manually
Power Cable	(2×0.5mm <sup>2</sup> )×1.5m
Power Supply	AC220V±10% with adapter
Power Consumption	5~10W
Dimension	78(H)×205(W)×178(D)mm
Packing Size	176(H)×330(W)×270(D)mm
N.W	1.84kg
G.W	2.88kg

**Descriptions & Features**

The 16-Zone Remote Paging Microphone works together with the 16 Zone (RH2816PT) Paging Selector, it is easily operated by pressing the zone selector buttons on the panel to access the corresponding zone of the paging selector to achieve remote paging to every zone.

- ※ Paging modes: individual zone, combined zones and all zones.
- ※ RH2816RT works with paging selector RH2816PT.
- ※ Connected by CAT cable with distance up to 1kms.
- ※ Built-in chime, with mute function.
- ※ With one line input for connecting additional audio source.

**Rear Panel**

**16-Zone Paging Selector**
**RH2816PT**

**Specifications**

Model	RH2816PT
MIC. Input	MIC:600 ohms(Ω)5mV,unbalanced
Line Input	10K ohms(Ω)200mV,unbalanced
Line Output	10K ohms(Ω)0.775V(0dB) Unbalanced
Frequency Response	60Hz~15KHz(±3dB)
THD	<0.01% at 1kHz
S/N	>70dB
Alarm Activation Input	'ALARM IN (CH1 ~ CH16)'
Alarm Activation Output	'SWITCHING OUT (CH1 ~ CH16)'
Alarm Activation Output	Low Level Activation (0V)
Level Selection	'HIGH' / 'LOW'
Muting Function	When EMC input, MIC and LINE attenuate 0~30dB
Power Supply	AC 220V ±10% 50-60Hz
Power Consumption	10~15W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W.	6.32kg

**Descriptions & Features**

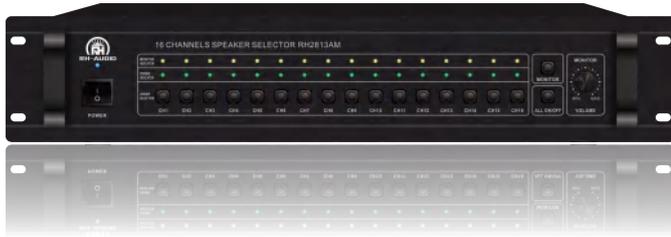
The 16-Zone Paging Selector is able to select up to 16 paging zones, it has a direct microphone input, two remote microphone inputs, two line inputs, internal chime and priority channel mute, can be operated by selecting the zones using the selector pushbuttons, can also be operated remotely using the 16-zone microphone console.

- ※ 16 zone paging selection.
- ※ 16 zone alarm function.
- ※ Volume control.
- ※ Built-in chime, with mute function.
- ※ Each paging zone has LED status indicator.
- ※ One 6.35 MIC input jack, four remote MIC inputs, one line input, and one EMC input.
- ※ 25-pin computer activation bus, and low level alarm activation.

**Rear Panel**


## 16 Zone Speaker Selector

## RH2813AM



### Specifications

Model	RH2813AM
A1 Input	70V/100V, background music "CH1-CH4"
A2 Input	70V/100V, background music "CH5-CH8"
A3 Input	70V/100V, background music "CH9-CH12"
A4 Input	70V/100V, background music "CH13-CH16"
B1 Input	70V/100V, alarm and paging "CH1-CH4"
B2 Input	70V/100V, alarm and paging "CH5-CH8"
B3 Input	70V/100V, alarm and paging "CH9-CH12"
B4 Input	70V/100V, alarm and paging "CH13-CH16"
Alarm Input	(0V) short-cut(ALARM IN)
Alarm Output	(0V) short-cut (ALARM OUT)
Power Cable	(3×1.5 mm <sup>2</sup> )×1.5m
Power Supply	AC 220V ±10% 50-60Hz
Power Consumption	20~25W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W	6.90kg
G.W	8.10kg

### Descriptions & Features

The 16-Zone Speaker Selector RH2813AM is able to select up to 16 speaker zones, and can achieve the functions of zone paging and alarm broadcasting in working with 16-zone paging selector and 16-zone remote paging microphone.

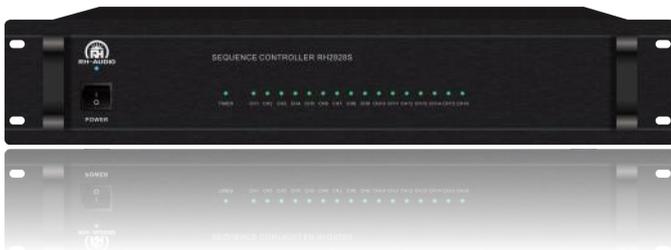
- ※ Supports 16 zones for background music, paging, and alarm broadcasting.
- ※ Built-in monitor speaker.
- ※ 4 inputs for background music.
- ※ 4 inputs for alarm broadcasting and paging.
- ※ Each zone has LED indicator.
- ※ 25-pin computer activation bus.
- ※ Each channel power handling ≤1kW, total handling capacity ≤8kW.

### Rear Panel



## 16CH Power Sequencer

## RH2828S



### Specifications

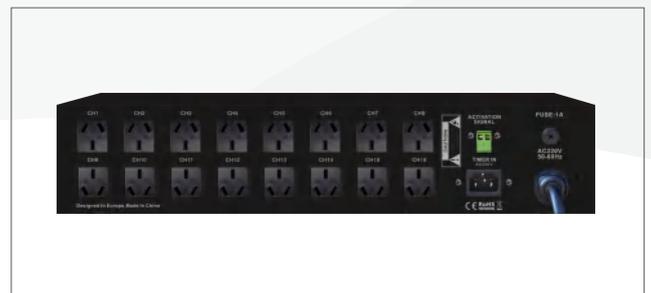
Model	RH2828S
Total Capacity	Total capacity 4.5KW
Control Signal	AC 220V, 10mA
Time Interval	0.4S~0.5S
Channel Switch Capacity	2 KW(VA)
Channels	CH1~CH16
Power Cable	(3×1.5 mm <sup>2</sup> )×1.5m
Power Supply	AC 220V ±10% 50-60Hz
Power Consumption	25~30W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W	7.08kg
G.W	8.62kg

### Descriptions & Features

The Power Sequencer is used to manage a PA system's power requirements so that it may turn on up to 16 system components according to the order that is desired-effectively preventing high powered equipment from overloading the AC mains.

- ※ 16 power up sequence.
- ※ Each channel power handling ≤2kW, total handling capacity ≤4.5kW.
- ※ Power start using shorted signal from program timer to realize timing power output.

### Rear Panel



**10-Zone MP3 Remote Microphone**
**RH2807R**

**Specifications**

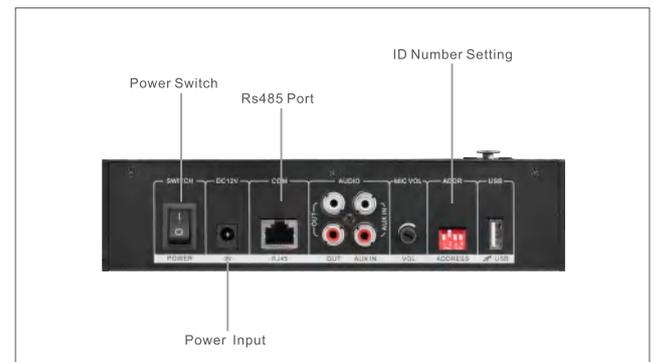
Model	RH2807R
Audio Source	USB,Bluetooth,FM,Aux
Paging Option	Individual-zone,group-zone,all-zone
Zones Controlled	1-10 Zone
Frequency	50Hz~20Khz
THD	<0.01% at 1Khz
S/N	>70db
CAT6 Distance	Up to 1km
Power Supply	DC24V 2A with AC adapter
Power Consumption	5-10W
Dimension (WxDxH)	205x151x51mm
Net Weight	1.20kg

**Descriptions & Features**

The 10 Zone Remote Paging Microphone RH2807R works together with RH2807M to make a 10-zone paging system with selection options including individual-zone, group-zone and all-zone.

This microphone has equipped audio source including FM tuner,U disk player, Bluetooth connectivity and AUX input,which allow users to play background music directly to the multiple-zone speakers.

This remote microphone can be placed anywhere where needed far away from the RH2807M up to 1000 meters with connection by CAT cable.

**Rear Panel**

**10-Zone MP3 Program Timing Player**
**RH2807M**

**Specifications**

Model	RH2807M
Audio Source	U disk,TF card,FM tuner,Aux input and Microphone
Audio Format	MP3,WMA,WAV
Display	4.3-inch IPS display with HD resolution 800x480
Maximum Handling	10 zones
Paging Option	Individual zone,group zones or all zones
BGM Option	Individual zone,group zones or all zones
Frequency Response	60Hz~16KHz (±3dB)
S/N	≥90 dB
Built-in Speaker	Full range speaker 5W
Alarm Input	One,0V short-circuit current
AC Power Input	AC220V,50/60Hz
AC Fuse	T2AL 250V
Dimension	88(H)×485(W)×395(D)mm
Net Weight	6.80kg

**Descriptions & Features**

- ※ Designed for 10-zone paging and BGM public address system.
- ※ Audio source including from U disk,TF card,FM tuner,Aux input and Microphone.
- ※ Colorful 24-bit 4.3-inch IPS display with HD resolution 800x480.
- ※ A featured timer with editable points for specific timing tasks.
- ※ One alarm input can receive triggering signal from fire alarm interface.
- ※ Equipped with audio recorder via microphone.
- ※ Built-in local monitor speaker to check audio output.
- ※ 6 AC power outputs can be controlled by timing points.

**Rear Panel**

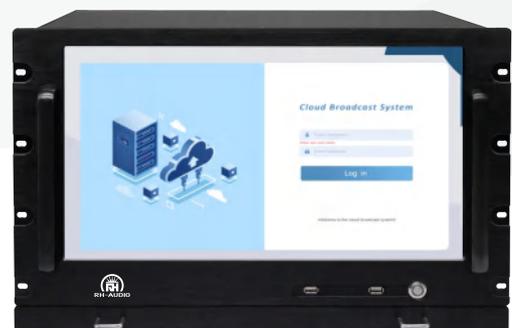

# IP Network PA System

The RH-AUDIO PA System over IP refers to PA paging and intercom systems that use an IP network instead of a centralized amplifier to distribute the audio signal to paging locations across a building or campus, or anywhere else in the reach of the IP network. Network-attached amplifiers and intercom units are used to provide the communication function. At the transmission end, a computer application transmits a digital audio stream via the local area network, using audio from the computer's sound card inputs or from stored audio recordings. At the receiving end, either specialized intercom modules (sometimes known as IP speakers or terminals) receive these network transmissions and reproduce the analog audio signal. These are small specialized network appliances addressable by an IP address just like any other computer on the network.

Such systems are inter-connected by the networking infrastructure and thus allow loss-less transmission to remote locations across the Internet or a local area or campus network. It is also possible to provide for multiple or relocatable transmission control stations on such a network.

The features and benefits are:

- ✘ Dynamic grouping of zones, with no fixed limit on the number of pre-defined groups or the number of members within the group.
- ✘ Public address controllers can connect standard Public Address amplifiers to the IP communication system.
- ✘ High quality digital background music (BGM) support for in-house music distribution.
- ✘ Special software application provides customisable floor plan or schematic views on a touch screen PC workstation.
- ✘ Provides a digital message store, playback and recording of announcements with no fixed limits on duration or capacity.
- ✘ The IP microphone provides flexible options of paging/announcement to every single zone, or group of zones, or all zones.
- ✘ 24-hour time schedule and independent volume and tone controls for each output pre-set through the software for daily routine, special events music broadcasting, such as festival, exam and work.
- ✘ Alarm Interface supports emergency broadcasting in cases of natural calamity, threats, fire and evacuation of people.
- ✘ Within an intercom system master stations allow an operator to select any combination of predefined groups to direct an announcement to. This allows intercom slave stations to function as a "mini-PA" system.
- ✘ As a standalone PA system within a building or campus and integrated with its structured cabling system or existing data networks.
- ✘ The system can be easily expanded in the future by adding more IP PA equipments.







### Descriptions & Features

The RH-AUDIO IP Based PA System offers an ideal solution for some venues that need to do large-scale paging and multi-zoned background music across multiple facilities and locations with complex distribution and scheduling needs.

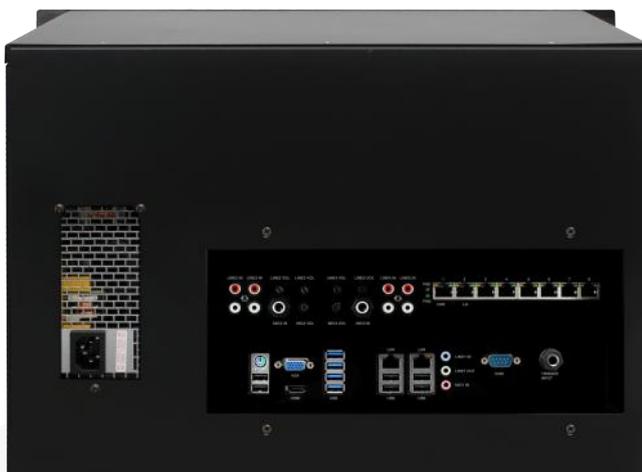
It's easier than ever to install a very wide paging or intercom system using your existing Ethernet network. It can be used to provide emergency notification to the zones or specific messages to each zone.

The network terminal such as network amplifier, network speaker, network preamplifier can be placed wherever you have a network drop without need for long speaker wire connections from a large central amplifier.

With IP network system you will enjoy a quicker and more flexible installation than traditional wired analog systems.

- ✘ The software runs on the main server, manages the system and provides digital voice quality sound wherever you need it.
- ✘ The central server is the core of IP network PA system.
- ✘ With big capacity of program storage, upload and process program from many audio sources.
- ✘ Managing program library and supply program for network terminals and achieve timing playing and real-time program ordering, response to request from network terminals.
- ✘ No restriction to transmission distance and tens of or hundreds of audio sources.
- ✘ Any workstation installed with this system can broadcast to the terminals, and can edit program as per the user-right authorized.

### Rear Panel



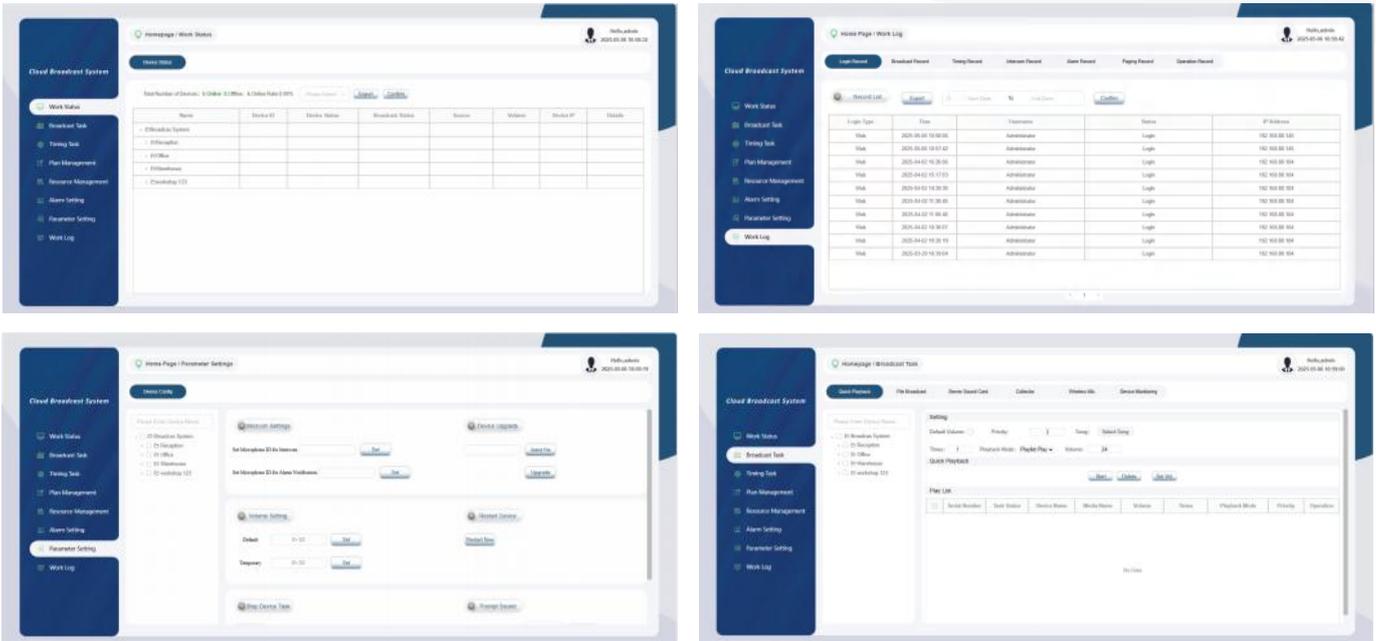
### Specifications

- ✘ Model: RH6001A
- ✘ CPU: Intel Core I5
- ✘ Chipset: Intel B75
- ✘ Operating System: Windows 10
- ✘ Display: 17.3" high-resolution LCD screen (1920 \* 1080), touch screen
- ✘ RAM: DDR3 1333/1600MHz(B75/H81)
- ✘ Memory: 128G SSD
- ✘ GPU: Intel® HD Graphics
- ✘ I/O Interface: VGAI\*1, Realtek\*1, RS-232\*1, HDMI\*1, PS/2\*1, USB2.0\*8, USB3.0\*4, LAN\*2, Line-in\*1, Line-out\*1, Mic.\*1
- ✘ Power Supply: AC100~240V 50/60 Hz
- ✘ Working Condition: Temperature -10°C~50°C, relative humidity 10%~95%
- ✘ Installation Method: Desktop or rack mounting
- ✘ Production Size: 485mm(W)\*300mm(H)\*310mm(D)
- ✘ Weight: 26KG

## IP Network PA System Software RH6000Y

### IP PA System Software

To be installed with prepared computer as server to manage the whole pa system.  
Supports operation system of Windows.



## IP Network Intercom Microphone

## RH6801



### Rear Panel



### Descriptions & Features

- Full metal base material, aluminum alloy brushed panel, desktop microphone design
- Built-in U disk player, local line input
- Using Linux system, the performance is stable and the operation is fast
- Adopts DSP software audio decoding solution, high fidelity
- 7-inch touch screen, humanized operation interface, simple and fast
- Has the function of two-way intercom between two microphones
- Built-in high-fidelity 3W/8Ω full-range monitoring speaker
- Ability to broadcast on all-zone, group-zone or single-zone

### Specifications

Model	RH6801
Power supply	DC 12V/3A
MIC input sensitivity	10mV
Maximum power consumption	≤10W
Line input level	300mV
Display size	7 inches
Built-in speaker output impedance & power	4Ω&3W
Line Out output level & impedance	0.775V&1KΩ
Audio bit rate	8Kbps~320Kbps adaptive
Frequency response	40Hz~20KHz
Noise ratio	≥80dB
Sampling rate	8K~48KHz
Audio format	MP3/WAV
Total harmonic distortion	≤1%
Network transmission rate	100Mbps
Standby power	≤1W
Working environment temperature	-20°C~+70°C
Working environment humidity	10%~90%
Dimensions	235×148×60mm (excluding microphone pole)
Weight	1.13Kg

## IP Network Collector

**RH6005**



### Specifications

Model	RH6005
Input power	AC 220V±10%
Standby power consumption	≤3W
Audio input	three RCA interfaces, two 6.35MIC interfaces
Audio output	2 RCA interfaces
Network protocol	RTP, UDP, TCP/IP, FTP
Audio bit rate	8Kbps~320Kbps
Sampling rate	8K~48KHz
Audio format	MP3
Network transmission rate	100Mbps
Network delay	≤50ms
Working environment temperature	-20°C~+70°C
Working environment humidity	20%~80%
Dimensions	485×350×100mm
Net weight	3.40KG

### Descriptions & Features

Designed for acquisition of external analog audio source like tuner, CD player, cassette player etc., then encode into digital audio and transmit to designated area terminal for playback via server.

- ※ Rack-mounted design, sophisticated workmanship
- ※ Using Linux system, stable performance, fast operation
- ※ With input volume adjustment, bass and treble tone adjustment
- ※ Up to 10 zone selection
- ※ Support 3 local line inputs, 2 MIC inputs
- ※ With 2 auxiliary audio outputs

### Rear Panel



## IP Network Alarm Interface

**RH6006**



### Specifications

Model	RH6006
Standby power consumption	≤3W
Alarm input	32 zones
Alarm output	32 zones + 1 overall output
Network protocol	RTP, UDP, TCP/IP, FTP
Audio bit rate	8Kbps~320Kbps
Sampling rate	8K~48KHz
Audio format	MP3/WAV
Network transmission rate	100Mbps
Network delay	≤50ms
Working environment temperature	-20°C~+70°C
Working environment humidity	20%~80%
Dimensions	485×350×100mm
Net weight	5.00Kg

### Descriptions & Features

This connects between a facility's fire alarm system and network public address system, with support for up to 32 zones, any zone that has a fire alarm will force adjacent zones into an emergency situation warning personnel to evacuate.

- ※ Uses Linux system, stable performance and fast operation
- ※ Supports protocols: RTP, UDP, TCP/IP, FTP
- ※ 32 channels of network alarm input with individual led indicator
- ※ Supports N±0 ~ N±4 adjacent zone alarm broadcasting

### Rear Panel



IP Network Pre-Amplifier

RH6007



Descriptions & Features

Decodes ip network audio into analog signal, then processes and sends it to conventional power amplifier

- ※ 1U rack-mounting design
- ※ Using Linux system, stable performance, fast operation
- ※ Adopting DSP audio decoding solution
- ※ Receives instructions from server
- ※ Comes with 2 AC power outlets, total output power can reach 1000W
- ※ With 4 audio output interface to connect up to 4 power amplifiers

Specifications

Model	RH6007
Supported protocols	RTP, UDP, TCP/IP, FTP
Audio format	MP3/WAV
Sampling rate	8K~48KHz
Network transmission rate	100Mbps
Audio mode	16-bit, stereo CD quality
Audio output	4 RCA connectors
Audio output level	775MV adjustable
Audio output impedance	470Ω
Frequency response	20Hz~20KHz
Harmonic distortion	THD≤0.3%
Signal-to-noise ratio	≥80dB
Working temperature	-20°C~70°C
Working humidity	20%~80% relative humidity
Power consumption	≤15W
Input power	AC110~220V/50Hz
Dimensions	485(W)×210(D)×44(H)mm
Net weight	2.50Kg

Rear Panel



IP Network Pre-Amplifier

RH6008



Descriptions & Features

Decodes ip network audio into analog signal, then processes and sends it to conventional power amplifier

- ※ 2U rack-mounting design
- ※ Using Linux system, stable performance, fast operation
- ※ Adopting DSP audio decoding solution
- ※ Receives instructions from server
- ※ Comes with 2 AC power outlets, total output power can reach 1000W
- ※ With 4 audio output interface to connect up to 4 power amplifiers
- ※ 10 LED level dynamic indicators
- ※ Built-in chime and siren tone
- ※ Inputs including 5 mic, 3 line, 1 alarm, two EMC with individual volume control
- ※ With bass and treble tone control
- ※ With 24V triggering signal for volume control

Specifications

Model	RH6008
Supported protocols	RTP, UDP, TCP/IP, FTP
Audio format	MP3/WAV
Sampling rate	8K~48KHz
Network transmission rate	100Mbps
Audio mode	16-bit, stereo CD quality
Audio output	4 RCA connectors
Audio output level	775MV adjustable
Audio output impedance	470Ω
Frequency response	20Hz~20KHz
Harmonic distortion	THD≤0.3%
Signal-to-noise ratio	≥80dB
Working temperature	-20°C~70°C
Working humidity	20%~80% relative humidity
Power consumption	≤15W
Input power	AC110~220V/50Hz
Dimensions	485×365×89mm
Net weight	3.00Kg

Rear Panel



## IP Network Pre-Amplifier

### RH6011



### Specifications

Model	RH6011
Supported protocols	RTP, UDP, TCP/IP, FTP
Audio format	MP3/WAV
Sampling rate	8K~48KHz
Network transmission rate	100Mbps
Audio mode	16-bit, stereo CD quality
Audio output	4 RCA connectors
Audio output level	775MV adjustable
Audio output impedance	470Ω
Frequency response	20Hz~20KHz
Harmonic distortion	THD≤0.3%
Signal-to-noise ratio	≥80dB
Working temperature	-20°C~70°C
Working humidity	20%~80% relative humidity
Power consumption	≤15W
Input power	AC110~220V/50Hz
Dimensions	485×365×89mm
Net weight	3.00Kg

### Descriptions & Features

- Decodes ip network audio into analog signal, then processes and sends it to conventional power amplifier
- ※ 2U rack-mounting design
- ※ 4.3-inch color touch screen displaying all details
- ※ Using Linux system, stable performance, fast operation
- ※ Adopting DSP audio decoding solution
- ※ Receives instructions from server
- ※ Comes with 2 AC power outlets, total output power can reach 1000W
- ※ With 4 audio output interface to connect up to 4 power amplifiers
- ※ 10 LED level dynamic indicators
- ※ Built-in chime and siren tone
- ※ Inputs including 5 mic, 3 line, 1 alarm, two EMC with individual volume control
- ※ With bass and treble tone control
- ※ With 24V triggering signal for volume control

### Rear Panel



## Network Mixer Power Amplifier

### RH80N/RH120N/RH240N/RH350N



### Specifications

	RH80N 80W	RH120N 120W	RH240N 240W	RH350N 350W
Network Port	Rj45			
Rate	100Mbps			
Protocols	RTP, UDP, TCP/IP, FTP			
Audio Format	MP3/WAV			
Audio Mode	16 bits stereo, CD timbre			
Sampling Rate	8K ~ 48K			
Audio Bit Rate	8K ~ 512Kbps			
LINE OUT	775mV			
LINE OUT	470 Ω			
EMC Sensitivity	470mV unbalanced			
AUX Sensitivity	470mV unbalanced			
MIC Sensitivity	5~10mV unbalanced			
Frequency Response	90Hz~15KHz			
T.H.D	≤0.5%			
S/N	≥75dB			
Output Terminals	4~16 ohms low impedance; 70V/100V voltage			
Protections	Short circuit; overload; high temperature			
Working Condition	Environment temperature 5°C ~ 40°C			
Working Condition	Environment Humidity 20% ~ 80%			
Power Supply	AC100V~240V 50-60Hz			
Dimensions	485(W)x385(W)x45(H)			

### Descriptions & Features

- Decodes ip network audio into analog signal, built-in high efficiency digital amplifier increases the power of the signal to drive speakers connected
- ※ 1U rack-mounting design
- ※ Built-in high efficiency digital amplifier
- ※ Using Linux system, stable performance, fast operation
- ※ Adopting DSP audio decoding solution
- ※ 70/100-volt and 4-16 ohms(Ω) speaker load
- ※ 1 microphone input with volume control
- ※ 1 line input with independent volume adjustment
- ※ 1 EMC emergency audio input
- ※ 1 audio signal auxiliary output for external power amplifier
- ※ 1 USB input for U disk source
- ※ Front panel led indicators include protection, clip, signal, power

### Rear Panel



Network Mixer Power Amplifier

RH80NC/RH120NC/RH240NC/RH350NC  
RH500NC/RH650NC/RH800NC/RH1000NC



Descriptions & Features

Decodes ip network audio into analog signal,built-in high efficiency digital amplifier increases the power of the signal to drive speakers connected,with individual input volume control and bass/treble adjustment

- ※ 2U rack-mounting design
- ※ Built-in high efficiency digital amplifier
- ※ Using Linux system,stable performance,fast operation
- ※ Adopting DSP audio decoding solution
- ※ 70/100-volt and 4-16 ohms(Ω) speaker load
- ※ With bass and treble tone adjustment
- ※ 2 microphones input with volume adjustment
- ※ 1 line input with independent volume adjustment
- ※ 1 EMC emergency audio input
- ※ 1 audio signal auxiliary output for external power amplifier
- ※ 1 USB input for U disk source
- ※ With 24V triggering signal for volume control
- ※ Front panel led indicators include protection,clip,signal,power

Specifications

	RH80NC 80W	RH120NC 120W	RH240NC 240W	RH350NC 350W	RH500NC 500W	RH650NC 650W	RH800NC 800W	RH1000NC 1000W
Network Port	Rj45							
Rate	100Mbps							
Protocols	RTP, UDP, TCP/IP, FTP							
Audio Format	MP3/WAV							
Audio Mode	16 bits stereo,CD timbre							
Sampling Rate	8K ~ 48K							
Audio Bit Rate	8K ~ 512Kbps							
LINE OUT	775mV							
LINE OUT	470 Ω							
EMC Sensitivity	470mV unbalanced							
AUX Sensitivity	470mV unbalanced							
MIC Sensitivity	5~10mV unbalanced							
Frequency Response	90Hz~15KHz							
T.H.D	≤0.5%							
S/N	≥75dB							
Output Terminals	4~16 ohms low impedance;70V/100V voltage							
Protections	Short circuit;overload;high temperature							
Working Condition	Environment temperature 5°C ~ 40°C							
Working Condition	Environment Humidity 20% ~ 80%							
Power Supply	AC100V~240V 50-60Hz							
Dimensions	485(W)x385(W)x90(H)							

Rear Panel



4.3" Touch-screen Network Mixer Amplifier

RH80NX/RH120NX/RH240NX/RH350NX  
RH500NX/RH650NX/RH800NX/RH1000NX



Descriptions & Features

Decodes ip network audio into analog signal,built-in high efficiency digital amplifier increases the power of the signal to drive speakers connected,with individual input volume control and bass/treble adjustment,4.3-inch color touch screen displaying all details and through it user can manage audio source

- ※ 2U rack-mounting design
- ※ Built-in high efficiency digital amplifier
- ※ 4.3-inch color touch screen
- ※ Using Linux system,stable performance,fast operation
- ※ Adopting DSP audio decoding solution
- ※ 70/100-volt and 4-16 ohms(Ω) speaker load
- ※ With bass and treble tone adjustment
- ※ 2 microphones input with volume adjustment
- ※ 1 line input with independent volume adjustment
- ※ 1 EMC emergency audio input
- ※ 1 audio signal auxiliary output for external power amplifier
- ※ 1 USB input for U disk source
- ※ With 24V triggering signal for volume control
- ※ Front panel led indicators include protection,clip,signal,power

Specifications

	RH80NX 80W	RH120NX 120W	RH240NX 240W	RH350NX 350W	RH500NX 500W	RH650NX 650W	RH800NX 800W	RH1000NX 1000W
Network Port	Rj45							
Rate	100Mbps							
Protocols	RTP, UDP, TCP/IP, FTP							
Audio Format	MP3/WAV							
Audio Mode	16 bits stereo,CD timbre							
Display	4.3 inch touch screen							
Sampling Rate	8K ~ 48K							
Audio Bit Rate	8K ~ 512Kbps							
LINE OUT	775mV							
LINE OUT	470 Ω							
EMC Sensitivity	470mV unbalanced							
AUX Sensitivity	470mV unbalanced							
MIC Sensitivity	5~10mV unbalanced							
Frequency Response	90Hz~15KHz							
T.H.D	≤0.5%							
S/N	≥75dB							
Output Terminals	4~16 ohms low impedance;70V/100V voltage							
Protections	Short circuit;overload;high temperature							
Working Condition	Environment temperature 5°C ~ 40°C							
Working Condition	Environment Humidity 20% ~ 80%							
Power Supply	AC100V~240V 50-60Hz							
Dimensions	485(W)x385(W)x90(H)							

Rear Panel



## Network Wall Amplifier



**RH6100**



**RH6300**

### Descriptions

- ※ Wall-mounting design
- ※ Uses Linux system, stable performance and fast operation
- ※ Supports protocols: RTP, UDP, TCP/IP, FTP, SIP
- ※ Rated power 2\*30W@80hm
- ※ 1 line input, 1 microphone input, with independent volume adjustment
- ※ 1 USB input interface, can realize local USB playback function
- ※ 1 short-circuit signal input, can be connected to fire alarm system in an emergency case
- ※ 1 alarm signal output, can be linked to trigger other devices in an emergency case

### Specifications

Model	RH6100	RH6300
Rated Power	2x30W@80hm	
Screen	None	4.3-inch color touch screen
Protocol	RTP, UDP, TCP/IP, FTP, SIP	
Audio Format	Mp3	
Frequency Response	50Hz~20KHz	
Transmission Rate	100Mbps	
Signal-to-noise Ratio	>70dB	
Power Supply	DC19V	
Dimension	220×168×43mm	
Net Weight	1.30kg	

## Network Intercom Panel



**RH6803**



**RH6804**

### Descriptions

The RH6803 and RH6804 (with camera) are intercom stations for making conversation with the network microphone

- ※ Features a sleek design that combines audio intercom and broadcasting capabilities
- ※ SIP international standard for wide compatibility
- ※ HD voice speech quality with built-in 3W speaker and Acoustic Echo Canceler
- ※ CPU uses ARM Cortex A7@900MHz
- ※ Supports G.711, G.726, ADPCM, supports audio 3A (AEC/ANR/AGC)
- ※ 10/100M, RJ45 network communication interface, supporting LAN and WAN deployment
- ※ Built-in high-sensitivity mic. cartridge can capture sound signals with great accuracy

### Specifications

Model	RH6803	RH6804
Built-in Camera	None	2 megapixel camera
Protocol	RTP, UDP, TCP/IP, FTP, SIP	
Built-in Speaker	3W	
Audio format	Mp3	
Frequency Response	50Hz~20KHz	
Transmission Rate	100Mbps	
Signal-to-noise Ratio	>70dB	
Power Supply	DC24V	
Dimension	193×107×44mm	
Net Weight	0.75kg	

Outdoor Network Intercom Panel

RH6805



**Descriptions & Features**

The RH6805 is an outdoor intercom station for making conversation with the network microphone

- ✘ Features a sleek design that combines audio intercom and broadcasting capabilities
- ✘ SIP international standard for wide compatibility
- ✘ HD voice speech quality with built-in 3W speaker and Acoustic Echo Canceler
- ✘ CPU uses ARM Cortex A7@900MHz
- ✘ Supports G.711,G.726,ADPCM,supports audio 3A (AEC/ANR/AGC)
- ✘ 10/100M,RJ45 network communication interface, supporting LAN and WAN deployment
- ✘ Built-in high-sensitivity mic. cartridge can capture sound signals with great accuracy

**Specifications**

Model	RH6805
Protocol	RTP, UDP, TCP/IP, FTP, SIP
Built-in Speaker	3W
Audio format	Mp3
Frequency Response	50Hz~20KHz
Transmission Rate	100Mbps
Signal-to-noise Ratio	>70dB
Power Supply	DC24V
Dimension	193×107×44mm
Net Weight	0.75kg

Network Active Speaker



RH6702/RH6702F

**Specifications**

- ✘ Amplifier Type: Class D
- ✘ Power Supply: DC12V(2A) with AC adapter
- ✘ Rated Power: 2\*20W (8Ω)
- ✘ Communication Protocol: TCP/P, UDP,IGMP,SIP
- ✘ Speaker Driver: 4.5" woofer + 1.5" tweeter
- ✘ Dimensions(mm): 280\*170\*160mm
- ✘ Material:Wooden enclosure and fabric front veneer
- ✘ Net Weight: 4.20kg(pair)



RH6703/RH6703F

**Specifications**

- ✘ Amplifier Type: Class D
- ✘ Power Supply: AC100V~240V
- ✘ Rated Power: 2\*30W (8Ω)
- ✘ Communication Protocol: TCP/P, UDP,IGMP,SIP
- ✘ Speaker Driver: 6.5" woofer + 1.5" tweeter
- ✘ Dimensions(mm): 300\*200\*195mm
- ✘ Material:Wooden enclosure and metal front grille
- ✘ Net Weight: 5.60kg(pair)

## Network Active Speaker



**RH1601P**

### Specifications

- ※ Amplifier Type: Class D
- ※ Power Supply: PoE or DC12V(2A)
- ※ Rated Power: Power Over Ethernet: 10W  
DC24V(2A):20W
- ※ Communication Protocol: TCP/IP, UDP, IGMP, SIP
- ※ Speaker Driver: 6" full range
- ※ Dimensions (mm):  $\phi 200 \times 90$ mm
- ※ Cutting Hole (mm):  $\phi 175$ mm
- ※ Material: metal
- ※ Net Weight: 1.00kg



**RH1605P**

### Specifications

- ※ Amplifier Type: Class D
- ※ Power Supply: PoE or DC24V(2A)
- ※ Rated Power: Power Over Ethernet: 25W  
DC24V(2A): 30W
- ※ Communication Protocol: TCP/IP, UDP, IGMP, SIP
- ※ Speaker Driver: 6.5" woofer, 1" tweeter
- ※ Dimensions (mm) :  $\phi 238 \times 180$ mm
- ※ Cutting Hole (mm) :  $\phi 215$ mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 2.50kg



**RH1602P**

### Specifications

- ※ Amplifier Type: Class D
- ※ Power Supply: PoE or DC24V(2A)
- ※ Rated Power: Power Over Ethernet: 25W  
DC24V(2A): 30W
- ※ Communication Protocol: TCP/IP, UDP, IGMP, SIP
- ※ Speaker Driver: 5.25" woofer, 1" tweeter
- ※ Dimensions (mm) : 285\*170\*190mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 2.50kg



**RH6503/RH6506**

### Specifications

- ※ Amplifier Type: Class D
- ※ Power Supply: AC100V~240V
- ※ Rated Power: RH6503 (30W), RH6506 (60W)
- ※ Communication Protocol: TCP/P, UDP, IGMP, SIP
- ※ Speaker Driver: RH6503 4"x2, RH6506 4"x4
- ※ Dimensions(mm): RH6503 (373\*152\*100mm),  
RH6506 (613\*152\*100mm)
- ※ Material: Aluminium enclosure and grille
- ※ Net Weight: RH6503 (2.54kg), RH6506 (3.92kg)

Network Active Speaker



**RH1603P**

**Specifications**

- ※ Amplifier Type: Class D
- ※ Power Supply: PoE or DC24V(2A)
- ※ Rated Power: Power Over Ethernet: 25W  
DC24V(2A): 30W
- ※ Communication Protocol: TCP/IP, UDP, IGMP, SIP
- ※ Speaker Driver: 4.25" \*2 full range
- ※ Dimensions (mm) : 373\*152\*100mm
- ※ Material: Aluminium Alloy
- ※ Net Weight: 2.54kg



**RH1604P**

**Specifications**

- ※ Amplifier Type: Class D
- ※ Power Supply: PoE or DC24V(2A)
- ※ Rated Power: Power Over Ethernet: 25W  
DC24V(2A): 30W
- ※ Communication Protocol: TCP/IP, UDP, IGMP, SIP
- ※ Dimensions (mm) : 285\*205\*280mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 2.30kg



**RH1606P**

**Specifications**

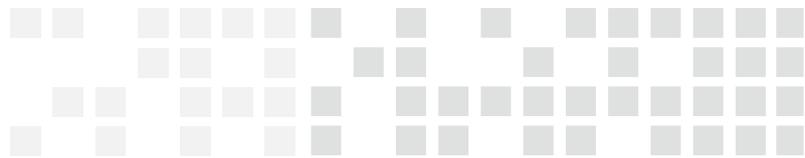
- ※ Amplifier Type: Class D
- ※ Power Supply: PoE or DC24V(2A)
- ※ Rated Power: Power Over Ethernet: 25W  
DC24V(2A): 30W
- ※ Communication Protocol: TCP/IP, UDP, IGMP, SIP
- ※ Dimensions (mm) : 285\*205\*280mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 2.30kg



**RH61P**

**Specifications**

- ※ Amplifier Type: Class D
- ※ Power Supply: PoE or DC24V(2A)
- ※ Rated Power: PoE: 25W, DC24V(2A): 30W
- ※ Communication Protocol: TCP/IP, UDP, IGMP, SIP
- ※ Dimensions (mm): 320\*270\*270mm
- ※ Speaker Driver: 6.5" \*1
- ※ Material: Fiberglass
- ※ Net Weight: 3.00kg



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