

**RH-AUDIO COMMERCIAL SOUND SYSTEM**



**GUANGZHOU XINGHONGDE ELECTRONICS TECHNOLOGY CO., LTD.**

# COMPANY

## BRIEF INTRODUCTION

Guangzhou Xinghongde Electronics 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



CCC



CCC



CCC



OHSAS18001:2007



ISO14001:2015



ISO9001:2015



Utility Model Patents

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





### 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: **60W/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

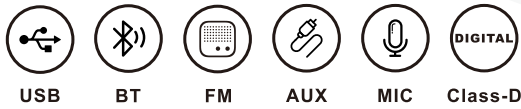


### Specifications

Model	RH060D	RH130D	RH260D	RH360D	RH500D	RH650D
Rated Power	60W	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	60Hz~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: '0,2,4,6,8,10'					
AC Fuse	T2.5A/250V	T2.5A/250V	T2.5A/250V	T5A/250V	T6.3A/250V	T8A/250V
Power Cable	(3×0.75mm <sup>2</sup> ) × 1.5m					
Power Supply	AC 100V~240V 50/60Hz					
Power Consumption	78W	156W	312W	455W	650W	845W
Dimension	89(H)×483(W)×350(D)mm					
Packing Size	185(H)×520(W)×435(D)mm					
N.W	7.40kg	8.80kg	12.00kg	13.40kg	13.50kg	16.65kg
G.W	8.90kg	10.30kg	13.50kg	14.90kg	15.00kg	18.50kg

**Mp3 Mixer Amplifier**

**RH060DM/RH130DM/RH260DM/RH360DM/RH500DM/RH650DM**



**Descriptions & Features**

The 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 to install in a variety of system designs.

- ※ Power rates: **60W/120W/240W/350W/500W/650W** available.
- ※ Class-D amplifier circuitry.
- ※ Built-in **U disk MP3 player, FM tuner and Bluetooth receiver.**
- ※ 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	RH060DM	RH130DM	RH260DM	RH360DM	RH500DM	RH650DM
Rated Power	60W	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	60Hz~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:'0,2,4,6,8,10'					
AC Fuse	T2.5A/250V	T2.5A/250V	T2.5A/250V	T5A/250V	T6.3A/250V	T8A/250V
Power Cable	(3×0.75mm <sup>2</sup> )×1.5m					
Power Supply	AC 100V~240V 50/60Hz					
Power Consumption	78W	156W	312W	455W	650W	845W
Dimension						
Packing Size	185(H)×520(W)×435(D)mm					
N.W	5.40kg	5.90kg	10.30kg	11.00kg	13.00kg	15.00kg
G.W	6.90kg	7.40kg	11.80kg	12.50kg	14.50kg	17.55kg



### 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.

- ※ Power rates: 60W/120W/240W/480W available.
- ※ Class-D amplifier circuitry.
- ※ Built-in U disk MP3 player and Bluetooth receiver.
- ※ 70V/100V and 4~16Ω 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.
- ※ MIC 1 has priority over other inputs.
- ※ Protections of short circuit, overload, high temperature.

### Rear Panel



### Specifications

Model	RH60WA	RH120WA	RH240WA	RH480WA
Rated Output Power	60W	120W	240W	480W
Output Mode	70V(81 ohms(Ω))100V(167 ohms(Ω))	70V(41 ohms(Ω))100V(84 ohms(Ω))	70V(20 ohms(Ω))100V(42 ohms(Ω))	70V(10 ohms(Ω))100V(21 ohms(Ω))
Microphone Input	MIC1/MIC2: 600 ohms(Ω) 10mV, (Unbalanced) MIC3: 600 ohms(Ω) 10mV, (Balanced)			
Line Input	AUX1/AUX2: LINE:10K ohms(Ω) 300mV, (Unbalanced)			
Auxiliary Output	0. 775V (0dB)			
Frequency Response	60Hz-20KHz(+3dB)			
Nonlinear Distortion	THD <0.5% at 1KHz, 1/3 Rated Output			
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	70W	140W	280W	560W
Machine Size	480(W) x200(D)x40(H) mm			
Package Size	522(W) x284(D)x72(H) mm			
Net Weight	2.4Kg	3Kg	4.5Kg	6Kg
Gross Weight	3Kg	3.6Kg	5.1Kg	6.6Kg



5-Zone Mp3 Mixer Amplifier

RH060DF/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 to install in a variety of system designs.

- ※ Power rates: 60W/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 4~16Ω 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	RH060DF	RH130DF	RH260DF	RH360DF	RH500DF	RH650DF
Rated Power	60W	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	60Hz~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:'0,2,4,6,8,10'					
AC Fuse	T2.5A/250V	T2.5A/250V	T2.5A/250V	T5A/250V	T6.3A/250V	T8A/250V
Power Cable	(3×0.75mm <sup>2</sup> )×1.5m					
Power Supply	AC 100V~240V 50/60Hz					
Power Consumption	78W	156W	312W	455W	650W	845W
Dimension	89(H)×483(W)×350(D)mm					
Packing Size	185(H)×520(W)×435(D)mm					
N.W	7.90kg	8.90kg	11.00kg	12.50kg	14.00kg	15.00kg
G.W	9.16kg	10.16kg	12.50kg	13.76kg	15.26kg	17.00kg



### 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. This 2U rack-mountable commercial amplifiers feature 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. Power rates: 2\*250W/2\*500W available.

- ✘ 2 channels of 70/100-volt and 4/8 ohms ( $\Omega$ ) 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.
- ✘ Pushing the button "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 ( $\Omega$ ) 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	60 Hz ~ 15k Hz ( $\pm 3$ 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	T4A	T8A
Power Supply	AC 110-240V- 50/60Hz	
Power Consumption	300W	600W
Power Cord	(3x0.75 mm <sup>2</sup> )x1.5m	
Chassis Design	2U rack with handles and mounting ears	
Dimension (HxWxD)	89x483x350mm	
Carton Size (HxWxD)	185x520x435mm	
Net Weight	9.00 kg	11.00 kg
Gross Weight	10.50 kg	12.50 kg

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	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	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	AC220V±10%, 50/60Hz
Power Consumption	50W
Dimensions (W×D×H)	483(W)×366(D)×89(H)mm
Weight	7.5Kg

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





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 to install in a variety of system designs.

- ※ Power rates: **350W/450W/650W** available.
- ※ Class-D amplifier circuitry.
- ※ 70V/100V and 4~16Ω loads.
- ※ 6.35mm and XLR input & output jacks for convenient connection.
- ※ Volume controller.
- ※ 5 level indicators.
- ※ Protections of short circuit, overload, high temperature.

### Rear Panel



### Specifications

Model	RH350DH	RH500DH	RH650DH
Rated Power	350W	500W	650W
Output Mode	4-16 ohms(Ω) and 70V/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	>70 dB		
Damping Factor	200		
Slew Rate	15V/ uS		
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	T5A/250V	T6.3A/250V	T8A/250V
Power Cable	(3×0.75mm <sup>2</sup> )×1.5m		
Power Supply	AC 100V~240V 50/60Hz		
Power Consumption	455W	585W	845W
Dimension	89(H)×483(W)×366(D)mm		
Packing Size	185(H)×520(W)×435(D)mm		
N.W	14.30kg	15.60kg	16.80kg
G.W	15.80kg	17.10kg	18.30kg

## Power Amplifier

## RH1000DH/RH1500DH/RH2000DH



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 to install in a variety of system designs.

- ※ Power rates: **1000W/1500W/2000W** available.
- ※ Class-D amplifier circuitry.
- ※ 70V/100V and 4~16Ω loads.
- ※ 6.35mm and XLR input & output jacks for convenient connection.
- ※ Volume controller.
- ※ 5 level indicators.
- ※ Protections of short circuit, overload, high temperature.

### Rear Panel



### Specifications

Model	RH1000DH	RH1500DH	RH2000DH
Rated Power	<b>1000W</b>	<b>1500W</b>	<b>2000W</b>
Output Mode	4-16 ohms(Ω) and 70V/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	T25A/250V		
Power Cable	(3×1.5 mm <sup>2</sup> )×1.5m		
Power Supply	AC 220V ± 10% 50-60Hz		
Power Consumption	1300W	1950W	2600W
Dimension	50(H)×483(W)×305(D)mm		
Packing Size	115(H)×520(W)×390(D)mm		
N.W	4.50kg	5.70kg	6.20kg
G.W	5.80kg	7.50kg	8.50kg

## 2CH Power Amplifier

## RH2120DW/RH2240DW/RH2350DW/RH2480DW



Class-D



### Specifications

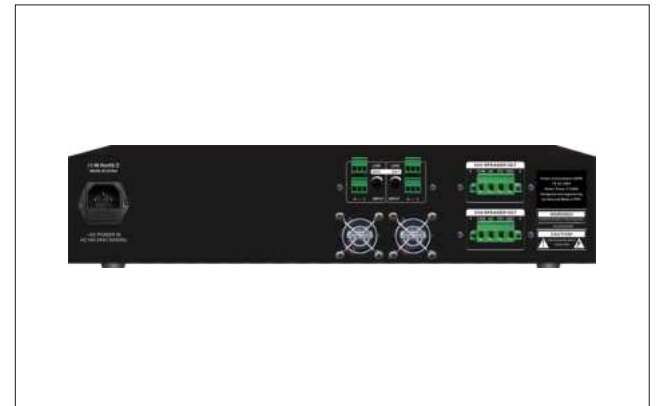
Model	RH2120DW	RH2240DW	RH2350DW	RH2480DW
Rated Power	2x120W	2x240W	2x350W	2x500W
Output Mode	Line voltage 70V/100V, Low impedance 4 ohms (Ω)			
Input Terminal	Phoenix terminal			
Output Terminal	Phoenix terminal			
Input Sensitivity	2.7KΩ 0.775V~1V, balanced signal			
Aux Output	0.775V (0 dBV)			
Fre. 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	T6.3A	T8A
Controls	2 Volume control, 1 Power on/off			
Power Input	PFC POWER, AC100V~240V, 50/60Hz			
Consumption	288W	576W	840W	1200W
Dimension	89(H)×483(W)×366(D) mm			
Net Weight	8.5kg	10.5kg	11.5kg	12.5kg

### 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



### Specifications

Model	RH4120DW	RH4240DW	RH4350DW	RH4480DW
Rated Power	4x120W	4x240W	4x350W	4x500W
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	T5A	T10A	T15A	T20A
Controls	4 Volume control, 1 Power on/off			
Power Input	PFC POWER, AC100V~240V, 50/60Hz			
Consumption	576W	1152W	1680W	2400W
Dimension	89(H)×483(W)×366(D) mm			
Net Weight	11.5kg	14.5kg	15.5kg	16.5kg

### 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.

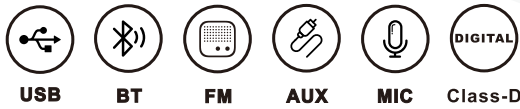
- ※ Standard 19" 2U rack-mounting housing.
- ※ Built-in 4 channels of Class D amplifier.
- ※ 4 channels of 70/100-volt output load.
- ※ 4 channels of 4 ohms(Ω) output load.
- ※ Equipped with 4 channels of audio inputs with gain control.
- ※ Audio loop outputs that provide to additional amplifiers.
-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

### Rear Panel



**Mp3/Fm Mixing Amplifier**

**RH60PM/RH120PM**



**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	RH60PM	RH120PM
Rated Power	60W	120W
Output Mode	Low impedance:4/8 ohms ( $\Omega$ ),Voltage line:70V & 100V	
Compatible Media	USB,SD,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	AC230V / 50Hz, 0.33A	
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	4.8kg	5.2kg
G.W	5.5kg	5.9kg



### Descriptions & Features

This **Usb/Bt/Fm Mixing Amplifier** is designed as convenient solution for small to medium PA installations with USB player,Bluetooth receiver 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 ~ 22kHz ( $\pm 3$ 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
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



5-Zone Usb Mixing Amplifier

RH151MB/RH301MB



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.

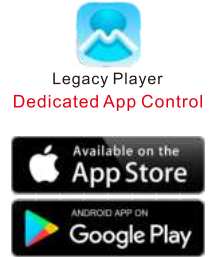
- ✧ Power rates: 150W.
- ✧ Built-in U disk MP3 player, FM and Bluetooth receiver.
- ✧ 5 Zoned 70V or 100V speaker outputs with individual switch ON/OFF.
- ✧ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ✧ Five microphone jacks, Mic1/Mic2/Mic3/Mic4 can support 48V phantom power.
- ✧ Mic1 has priority 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 ~ 22kHz ( $\pm 3$ 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, SD, 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	9.50 kg	12.00 kg
Gross Weight	11.00 kg	13.00 kg



### 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.
- ※ 70/100-volt and 4/8 ohms(Ω) 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 controllers.
- ※ Protection provided for output short circuit,overload,high temperature,peak current limiters.

### Rear Panel



### Specifications

Model	RH60WIFI
Rated Power	60W
Output Mode	Low impedance:4 & 8 ohms (Ω), 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 ~ 22kHz (± 3 dB)
T.H.D	<1% at 1kHz,1/3 rated power
S/N	≥75dB
Tone Control	BASS:100 Hz (± 10 dB) , TREBLE:10k Hz (± 10 dB)
Audio Input	MIC,AUX, USB, BLUETOOTH, WIFI
Protection	Short circuit,overload,high temperature
AC Fuse	T1A
Power Supply	AC 220-240V- 50/60Hz
Power Consumption	95W
Power Cord	(3×0.75 mm <sup>2</sup> )×1.5M
Dimension	100(H)×290(W)×260(D) mm
Carton Size	155(H)×365(W)×305(D) mm
Net Weight	5.50kg
Gross Weight	6.30kg

5-Zone Wifi/MP3 Mixing Amplifier

RH120WIFI/RH240WIFI/RH350WIFI



Legacy Player

Dedicated App Control



Descriptions & Features

The 5-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 5 zoned 70 or 100 volt load solution provides an audio output to 5 different zones within the venue,each zone has its own individual switch on/off manually operated on front panel.

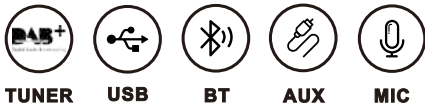
- ✘ Built-in WiFi wireless receiver,Bluetooth receiver and USB player.
- ✘ 70/100-volt and 4/8 ohms(Ω) output loads.
- ✘ SMT circuit boards with highly stable performance.
- ✘ Three XLR microphone input jacks supporting 48V Phantom Power.
- ✘ Mic1 has priority over the other inputs,and it has one 6.35mm 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.

Specifications

Rear Panel



Model	RH120WIFI	RH240WIFI	RH350WIFI
Rated Power	120W	240W	350W
Output Mode	Low impedance:4 & 8 ohms (Ω), 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 ~ 22kHz (± 3 dB)		
T.H.D	<1% at 1kHz,1/3 rated power		
S/N	≥75dB		
Tone Control	BASS:100 Hz (± 10 dB) , TREBLE:10k Hz (± 10 dB)		
Audio Input	MIC,AUX, USB, 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	(3×0.75 mm <sup>2</sup> )×1.5M		
Dimension	100x430x340mm		
Carton Size	165x505x415mm		
Net Weight	11.80 kg		
Gross Weight	13.30 kg		



### 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

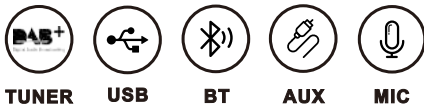


### Specifications

Model	RH1060MD		RH1120MD	
	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 ~ 22kHz ( $\pm$ 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			
Gross Weight	3.90kg			4.60kg
Dimension	72x305x275mm			
Carton Size	130x350x350mm			

**6-ZONE MP3/DAB+ MIXING AMPLIFIER**

**RH-MD6120WZ/RH-MD6240WZ/RH-MD6350WZ**



**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 70 or 100 volt load solution provides an audio output to 5 different zones within the venue, each zone has its own separate switch on/off manually operated on front panel. All units feature protections against operation under quite severe misuse such as over temperature, over voltage, over load and short circuit speaker line conditions. Widely used in the small to medium distributed speaker systems for PA, paging, or background music.

- ※ Compatible media: USB, BT, FM(RDS), DAB+(DAB), Aux In.
- ※ 70/100-volt and 4/8 ohms(Ω) output loads.
- ※ 120W/240W/350W power outputs available.
- ※ 2 groups of Aux inputs, 1 group of Aux outputs.
- ※ 6 Zones 70V or 100V speaker outputs with separate switch ON/OFF.
- ※ 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**

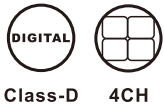
Model	RH-MD6120WZ	RH-MD6240WZ	RH-MD6350WZ
Rated Power	120W	240W	350W
Output Mode	Low impedance: 4 & 8 ohms (Ω), Voltage line: 70V & 100V		
Compatible Media	USB, BT, FM(RDS), DAB+(DAB), Aux in		
Playable Format	MP3, WAV		
Bluetooth Version	5.0 version		
Tuner Frequency Range	FM(RDS): 87.50 - 108.00 MHz; 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	60 Hz ~ 15k Hz (± 3 dB)		
T.H.D	<1% at 1kHz, 1/3 rated power		
S/N	≥75dB		
Tone Control	BASS: 100 Hz (± 10 dB), TREBLE: 10k Hz (± 10 dB)		
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	(3×0.75 mm <sup>2</sup> )×1.5M		
Dimension (HxWxD)	89x430x340mm		
Carton Size (HxWxD)	185x520x435mm		
Net Weight	9.00 kg	11.80 kg	14.30 kg
Gross Weight	10.50 kg	13.30 kg	15.80 kg

## Professional Amplifier DP Series

RH2350DP/RH2500DP/RH2650DP/RH2800DP/RH21000DP  
RH4350DP/RH4500DP/RH4650DP/RH4800DP/RH41000DP



**RH2350DP/RH2500DP/RH2650DP/RH2800DP/RH21000DP**



**RH4350DP/RH4500DP/RH4650DP/RH4800DP/RH41000DP**

### Product Features

- ※ 1U height 9" width of standard cabinet, compact size, lightweight and portable.
- ※ ClassD power module with fixed switching frequency.
- ※ The soft start LLC resonant SMPS module.
- ※ The active power factor correction (PFC), can be stable working in full voltage range (90-264V).
- ※ The efficient speaker EMF absorption system.
- ※ The unique peak limiter and ripple cancellation network.
- ※ The fan with temperature control and variable speed, airflow from front to rear.
- ※ Connection mode selection (stereo / parallel / bridge).
- ※ Input sensitivity switch (0.775v/1v/32dB).
- ※ The whole circuit protection, including: soft start, DC, infrasonic frequency, VHF, overheat, short circuit, mute on / off.
- ※ The low frequency powerful, depth is extremely low, mid high frequency with high transparent, clear and sweet.
- ※ The integration design of the power amplifier module and power supply module, more than 85% components with mechanical automation operation, to ensure the consistency of the product.

### Applications

- The touring / portable audio performance ;
- The KTV / bar / Music Hall ;
- The stadium / arena ;

### Technical Specifications

<b>Frequency response</b> 8Ω, 20Hz--20kHz, 1/8 rated power	±0.5dB
<b>THD+N (typical)</b> 8Ω, 1kHz, 1/8 rated power	≤0.035%
<b>Intermodulation distortion</b> 8Ω, 60+7kHz, 1/8 rated power	≤0.15%
<b>Signal To Noise Ratio</b> 8Ω, 1kHz, 1v sensitivity	≥104dB
Input sensitivity	0.775v/1v/32dB
<b>Input impedance</b> (balanced / unbalanced)	20KΩ/10KΩ
Conversion rate	≥20v/uS
Damping factor	≥600
Resolution	≥70dB

### Specifications

Model	RH2350DP	RH2500DP	RH2650DP	RH2800DP	RH21000DP	RH4350DP	RH4500DP	RH4650DP	RH4800DP	RH41000DP
8Ωstereo power	350W x2	500W x2	650W x2	800W x2	1000W x2	350W x4	500W x4	650W x4	800W x4	1000W x4
4Ωstereo power	580W x2	800W x2	1050W x2	1300W x2	1650W x2	580W x4	800W x4	1050W x4	1300W x4	1650W x4
2Ωstereo power	800W x2	1100W x2	1400W x2	1750W x2	2100W x2					
8ΩBridge power	1160W x1	1600W x1	2100W x1	2600W x1	3300W x1	1160W x2	1600W x2	2100W x2	2600W x2	3300W x2
4ΩBridge power	1600W x1	2200W x1	2800W x1	3500W x1	4200W x1					
Product dimension (W x L x H)	483x251x45 mm									
Package dimension (W x L x H)	530x360x100 mm									
Net weight	4.1kg	4.2kg	4.4kg	4.6kg	4.9kg	5.0kg	5.2kg	5.5kg	5.8kg	6.5kg
Gross weight	5.3kg	5.4kg	5.6kg	5.8kg	6.1kg	6.2kg	6.4kg	6.7kg	7.0kg	7.5kg

## Professional Amplifier DS Series

RH2900DS/RH21100DS/RH21800DS/RH22100DS  
RH22400DS/RH22800DS/RH41500DS/RH41800DS



Class-D 2CH



**RH2900DS/RH21100DS/RH21800DS/RH22100DS/RH22400DS/RH22800DS**



Class-D 4CH



**RH41500DS/RH41800DS**

### Product Features

- ※ 1U height of standard cabinet, compact size, lightweight and portable.
- ※ ClassD power module with fixed switching frequency.
- ※ The soft start LLC resonant SMPS module.
- ※ The active power factor correction (PFC), can be stable working in full voltage range (90-264V).
- ※ The efficient speaker EMF absorption system.
- ※ The unique peak limiter and ripple cancellation network.
- ※ The fan with temperature control and variable speed, airflow from front to rear.
- ※ Connection mode selection (stereo / parallel / bridge).
- ※ Input sensitivity switch (0.775v/1v/32dB).
- ※ The whole circuit protection, including: soft start, DC, infrasonic frequency, high-frequency, overheat, short circuit, mute on / off.
- ※ The low frequency powerful, depth is extremely low, mid high frequency with high transparent, clear and sweet.
- ※ The integration design of the power amplifier module and power supply module, more than 85% components with mechanical automation operation, to ensure the consistency of the product.

### Applications

- The touring / portable audio performance ;
- The KTV/ bar / Music Hall ;
- The stadium / arena ;

### Technical Specifications

<b>Frequency response</b> 8Ω, 20Hz--20kHz, 1/8 rated power	±0.5dB
<b>THD+N (typical)</b> 8Ω, 1kHz, 1/8 rated power	≤0.035%
<b>Intermodulation distortion</b> 8Ω, 60+7kHz, 1/8 rated power	≤0.15%
<b>Signal To Noise Ratio</b> 8Ω, 1kHz, 1v sensitivity	≥106dB
Input sensitivity	0.775v/1v/32dB
<b>Input impedance</b> (balanced / unbalanced)	20KΩ/10KΩ
Damping factor	≥20v/uS
Damping factor	≥600
Resolution	≥70dB

### Specifications

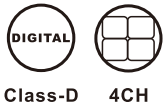
Model	RH2900DS	RH21100DS	RH21800DS	RH22100DS	RH22400DS	RH22800DS	RH41500DS	RH41800DS
8Ωstereo power	900W x2	1100W x2	1800W x2	2100W x2	2400W x2	2800W x2	1500W x4	1800W x4
4Ωstereo power	1400W x2	1800W x2	3000W x2	3400W x2	3800W x2	4500W x2	2300W x4	2800W x4
2Ωstereo power	1750W x2	2000W x2	3600W x2	4000W x2	5000W x2	5500W x2		
8ΩBridge power	2800W x1	3600W x1	5600W x1	6800W x1	7600W x1	9000W x1	4600W x2	5200W x2
4ΩBridge power	3500W x1	4000W x1	7200W x1	8000W x1	10000W x1	11000W x1		
Product dimension (W x L x H)	483x251x44 mm				483x308x44 mm		483x403x44 mm	
Package dimension (W x L x H)	530x360x100 mm				523x445x80 mm		545x525x80 mm	
Net weight	5.5kg	5.7kg	6.5kg	6.8kg	8.0kg	8.3kg	10.0kg	10.2kg
Gross weight	6.7kg	6.9kg	7.7kg	8.0kg	9.4kg	9.7kg	11.6kg	11.8kg

## Professional Power Amplifier DZ Series

RH21800DZ/RH22100DZ/RH22500DZ/RH23000DZ  
RH41000DZ/RH41500DZ/RH42000DZ



**RH21800DZ/RH22100DZ/RH22500DZ/RH23000DZ**



**RH41000DZ/RH41500DZ/RH42000DZ**

### Product Features

- ※ 1U height of 11" standard cabinet, compact size, lightweight and portable.
- ※ Class D power module with fixed switching frequency.
- ※ The soft start LLC resonant SMPS module.
- ※ The active power factor correction (PFC), can be stable working in full voltage range (90-264V).
- ※ The efficient speaker EMF absorption system.
- ※ The unique peak limiter and ripple cancellation network.
- ※ The fan with temperature control and variable speed, airflow from front to rear.
- ※ Connection mode selection (stereo / parallel / bridge).
- ※ Input sensitivity switch (0.775v/1v/32dB).
- ※ The whole circuit protection, including: soft start, DC, infrasonic frequency, high-frequency, overheat, short circuit, mute on / off.
- ※ The low frequency powerful, depth is extremely low, mid high frequency with high transparent, clear and sweet.
- ※ The integration design of the power amplifier module and power supply module, more than 85% components with mechanical automation operation, to ensure the consistency of the product.

### Applications

- The touring / portable audio performance ;
- The KTV/ bar / Music Hall ;
- The stadium / arena ;

### Technical Specifications

<b>Frequency response</b> 8Ω, 20Hz--20kHz, 1/8 rated power	±0.5dB
<b>THD+N (typical)</b> 8Ω, 1kHz, 1/8 rated power	≤0.035%
<b>Intermodulation distortion</b> 8Ω, 60+7kHz, 1/8 rated power	≤0.15%
<b>Signal To Noise Ratio</b> 8Ω, 1kHz, 1v sensitivity	≥106dB
Input sensitivity	0.775v/1v/32dB
<b>Input impedance</b> (balanced / unbalanced)	20KΩ/10KΩ
Conversion rate	≥20v/uS
Damping factor	≥600
Resolution	≥70dB

### Specifications

Model	RH21800DZ	RH22100DZ	RH22500DZ	RH23000DZ	RH41000DZ	RH41500DZ	RH42000DZ
8Ω stereo power	1800W x2	2100W x2	2500W x2	3000W x2	1000W x4	1500W x4	2000W x4
4Ω stereo power	3000W x2	3600W x2	4000W x2	4700W x2	1650W x4	2400W x4	3000W x4
2Ω stereo power	3900W x2	4200W x2	5200W x2	5700W x2			
8Ω Bridge power	3000W x1	7200W x1	8000W x1	9400W x1	3300W x2	4800W x2	6000W x2
4Ω Bridge power	7800W x1	8400W x1	10400W x1	11400W x1			
Product dimension (W x L x H)	483x251x44 mm		483x308x44 mm		483x251x44 mm		483x403x44 mm
Package dimension (W x L x H)	530x360x100 mm		530x445x80 mm		530x445x80 mm		545x525x80 mm
Net weight	6.5kg	6.8kg	8.0kg	8.3kg	6.5kg	10.0kg	10.2kg
Gross weight	7.7kg	8.0kg	9.4kg	9.7kg	7.5kg	11.6kg	11.8kg





### Produce Features

- ※ Built-in analog digital signal processor, light weight body, strong power output.
- ※ Audio signals can be processed accurately by route, gain, phase, mute, parametric equalizer, delay, frequency division, compression and limitation.
- ※ The power amplifier adopts a stable and efficient ClassD power amplifier module.
- ※ The efficiency of the ClassD power amplifier module is over 92%, which makes the power amplifiers have high efficiency and reliability, and also has extremely high power density.
- ※ Power supply adopts high-efficiency and stable R-SMPS power supply system.
- ※ The soft start LLC resonant SMPS module.
- ※ The active power factor correction (PFC), can be stable working in full voltage range (90-264V).
- ※ Perfect protection system to effectively reduce damage caused by improper use and further improve machine reliability.
- ※ The efficient speaker EMF absorption system.
- ※ The unique peak limiter and ripple cancellation network.
- ※ The low frequency powerful, depth is extremely low, mid high frequency with high transparent, clear and sweet.
- ※ The integration design of the power amplifier module and power supply module, more than 85% components with mechanical automation operation, to ensure the consistency of the product.

### Basic Technical Specifications

Input impedance	>20kΩ/>10kΩ
THD+N (typical)	<0.05%
Frequency response	<+/-0.5dB
Signal to Noise Ratio	>100dB
Damping factor	>600
Conversion rate	>20V/us
Input sensitivity	29dB、32dB、35dB、38dB、41dB
Impedance	≥2Ω
Wind path	The fan with temperature control and variable speed, airflow from front to rear
Circuit protection	Soft start, DC, Infrasonic frequency, High-frequency, Overheat, Short circuit, Mute on/off

**DSP and Dante feature to be added on the DP, DS or DZ series.**

### DSP Features

- ※ DSP Specifications: Main frequency pling frequency 96KHz  
24-bit A/D and D/A conversion
- ※ LCD display: Backlight 2x16 characteristics LCD display
- ※ Input impedance: 20kΩ/10kΩ Balanced / unbalanced: 20kΩ/10kΩ
- ※ Max input level: +17dBu ( 5.5V )
- ※ Frequency response: 20Hz-20kHz (0-0.5dB)
- ※ Route: Each output channel can choose a different input channel or any combination of input channels
- ※ Gain: 0.1dB Adjustment range: +15dB, -40dB, 0.1dB per unit
- ※ Delay: 0-20ms separately delay control for each input and output channel, and the adjustment range is 0-20ms
- ※ EQ: PEQ/Lo-Shelf/Hi-Shelf Each input and output channel can be set up 31 equilibria, the EQ way is: PEQ/Lo-Shelf/Hi-Shelf
- ※ Limiter: starting time: 10ms-3000ms, Step: 1ms; Hold time: 0ms-3000ms, Step: 1ms; Release time: 10ms-3000ms, Step: 1ms;

## Digital Signal Processor

## RH-DSP84



DSP



- ✘ **Number of analog input and output channels: 8 x 4**
- ✘ Processor: ADI SHARC 21489
- ✘ Sampling rate/quantization bit: 48K/24bit
- ✘ 40bit DSP floating point engine
- ✘ Input gain: 0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
- ✘ Phantom power supply:+48V/10mA max
- ✘ Frequency response (20~20kHz): ± 0.3dB
- ✘ Maximum level:+18dBu
- ✘ THD+N:<-95dB @17dBu
- ✘ Input dynamic range: 113dB
- ✘ Output dynamic range: 113dB
- ✘ Channel isolation @ 1kHz: - 108dB
- ✘ Input impedance (balanced connection): 5.4K Ω
- ✘ Output impedance (balanced connection): 600 Ω
- ✘ System delay:<3ms
- ✘ Working power supply: AC110~240V, 50Hz/60Hz
- ✘ Dimensions (W x D x H): 482 x 260 x 45mm
- ✘ Transportation weight: 4kg

## Digital Signal Processor

## RH-DSP88



DSP



- ✘ **Number of analog input and output channels: 8 x 8**
- ✘ Processor: ADI SHARC 21489
- ✘ Sampling rate/quantization bit: 48K/24bit
- ✘ 40bit DSP floating point engine
- ✘ Input gain: 0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
- ✘ Phantom power supply:+48V/10mA max
- ✘ Frequency response (20~20kHz): ± 0.3dB
- ✘ Maximum level:+18dBu
- ✘ THD+N:<-95dB @17dBu
- ✘ Input dynamic range: 113dB
- ✘ Output dynamic range: 113dB
- ✘ Channel isolation @ 1kHz: - 108dB
- ✘ Input impedance (balanced connection): 5.4K Ω
- ✘ Output impedance (balanced connection): 600 Ω
- ✘ System delay:<3ms
- ✘ Working power supply: AC110~240V, 50Hz/60Hz
- ✘ Dimensions (W x D x H): 482 x 260 x 45mm
- ✘ Transportation weight: 4kg

## Digital Signal Processor

## RH-DSP812



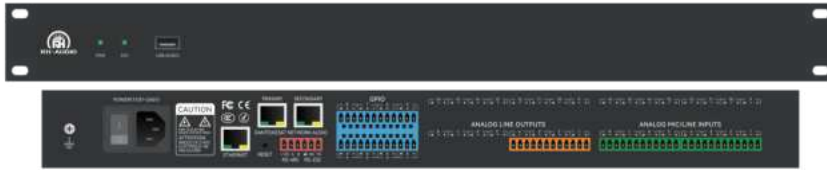
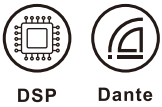
DSP



- ✘ **Number of analog input and output channels: 8 x 12**
- ✘ Processor: ADI SHARC 21489
- ✘ Sampling rate/quantization bit: 48K/24bit
- ✘ 40bit DSP floating point engine
- ✘ Input gain: 0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
- ✘ Phantom power supply:+48V/10mA max
- ✘ Frequency response (20~20kHz): ± 0.3dB
- ✘ Maximum level:+18dBu
- ✘ THD+N:<-95dB @17dBu
- ✘ Input dynamic range: 113dB
- ✘ Output dynamic range: 113dB
- ✘ Channel isolation @ 1kHz: - 108dB
- ✘ Input impedance (balanced connection): 5.4K Ω
- ✘ Output impedance (balanced connection): 600 Ω
- ✘ System delay:<3ms
- ✘ Working power supply: AC110~240V, 50Hz/60Hz
- ✘ Dimensions (W x D x H): 482 x 260 x 45mm
- ✘ Transportation weight: 4KG

## Digital Signal Processor

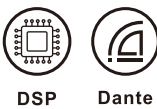
### RH-DSP84D



- ✘ Number of analog input and output channels: 8 x 4
- ✘ Number of Dante input and output channels: 8 x 8
- ✘ Processor: ADI SHARC 21489
- ✘ Sampling rate/quantization bit: 48K/24bit
- ✘ 40bit DSP floating point engine
- ✘ Input gain: 0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
- ✘ Phantom power supply:+48V/10mA max
- ✘ Frequency response (20~20kHz):  $\pm 0.3$ dB
- ✘ Maximum level:+18dBu
- ✘ THD+N:<-95dB @17dBu
- ✘ Input dynamic range: 113dB
- ✘ Output dynamic range: 113dB
- ✘ Channel isolation @ 1kHz: 108dB
- ✘ Input impedance (balanced connection): 5.4K  $\Omega$
- ✘ Output impedance (balanced connection): 600  $\Omega$
- ✘ System delay:<3ms
- ✘ Working power supply: AC110~240V, 50Hz/60Hz
- ✘ Dimensions (W x D x H): 482 x 260 x 45mm
- ✘ Transportation weight: 4kg

## Digital Signal Processor

### RH-DSP88D



- ✘ Number of analog input and output channels: 8 x 8
- ✘ Number of Dante input and output channels: 8 x 8
- ✘ Processor: ADI SHARC 21489
- ✘ Sampling rate/quantization bit: 48K/24bit
- ✘ 40bit DSP floating point engine
- ✘ Input gain: 0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
- ✘ Phantom power supply:+48V/10mA max
- ✘ Frequency response (20~20kHz):  $\pm 0.3$ dB
- ✘ Maximum level:+18dBu
- ✘ THD+N:<-95dB @17dBu
- ✘ Input dynamic range: 113dB
- ✘ Output dynamic range: 113dB
- ✘ Channel isolation @ 1kHz: 108dB
- ✘ Input impedance (balanced connection): 5.4K  $\Omega$
- ✘ Output impedance (balanced connection): 600  $\Omega$
- ✘ System delay:<3ms
- ✘ Working power supply: AC110~240V, 50Hz/60Hz
- ✘ Dimensions (W x D x H): 482 x 260 x 45mm
- ✘ Transportation weight: 4kg

## Digital Signal Processor

### RH-DSP812D



- ✘ Number of analog input and output channels: 8 x 12
- ✘ Number of Dante input and output channels: 8 x 8
- ✘ Processor: ADI SHARC 21489 x2
- ✘ Sampling rate/quantization bit: 48K/24bit
- ✘ 40bit DSP floating point engine
- ✘ Input gain: 0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
- ✘ Phantom power supply:+48V/10mA max
- ✘ Frequency response (20~20kHz):  $\pm 0.3$ dB
- ✘ Maximum level:+18dBu
- ✘ THD+N:<-95dB @17dBu
- ✘ Input dynamic range: 113dB
- ✘ Output dynamic range: 113dB
- ✘ Channel isolation @ 1kHz: 108dB
- ✘ Input impedance (balanced connection): 5.4K  $\Omega$
- ✘ Output impedance (balanced connection): 600  $\Omega$
- ✘ System delay:<3ms
- ✘ Working power supply: AC110~240V, 50Hz/60Hz
- ✘ Dimensions (W x D x H): 482 x 260 x 45mm
- ✘ Transportation weight: 4kg

# Audio Source Series

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.

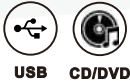
Also this player enjoys a USB port on front panel allowing to play USB disk, also an AUX input allowing to connect an additional audio source such as cd player, computer, mobile phone etc.

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.



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

**Specifications**

Model	RH2812CD
Compatible Media	<b>CD,DVD,USB</b>
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	2.7kg
Gross Weight	3.8kg

**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**

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

**Specifications**

Model	RH620CUB
System	<b>CD/USB/BT Player</b>
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

**Descriptions & Features**

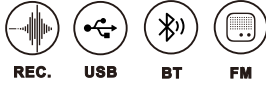
This Digital CD player RH620CUB supports USB and Bluetooth connectivity, also includes an AUX input for local additional audio source, this highly versatile yet affordable media player is perfect for retail, education, hotel applications and any other pa commercial audio system.

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	RH350URP
Compatible Media	USB, Bluetooth, FM
USB Playable Formats	MP3, WAV, WMA
Bluetooth Version	4.2 version
Frequency Response	20 Hz - 20 KHz ( $\pm 0.5$ 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



### Specifications

Model	RH2838K
Audio Output	2 Ways and 4 Sound Tracks (-20dB Recording)
Frequency Response	40-14000Hz ( $\pm 3$ dB) Normal tape 40-15000Hz ( $\pm 3$ dB) Cro2 tape 40-16000Hz ( $\pm 3$ dB) Metal tape
Wow Flutter Ratio	0.15%
Separation	60dB(1 KHz)
THD	K3 0.5% THD 1 %
Signal Input	80mV/SOK MIN
Signal Output	80mV/Sk
S/N	Ac11 OV 60Hz
Power Consumption in Working Mode	10 W
Power Consumption in Ready Mode	16.93" x 11" x 5.1" -inches

### Features

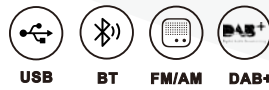
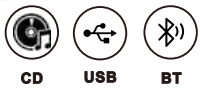
- ※ Excellent Hi-Fi Sound
- ※ Automatically Recording System with Good Recording
- ※ High-quality Auto Backspace Movement
- ※ First-class Hi-Fi Recording Movement
- ※ Double-color FL Mountain-like Electric Level Indicator
- ※ Digital DNR Professional Noise Reducing System
- ※ Multi Styles of Tape are Optional for Both Playing and Recording (A&B Deck)
- ※ Recording Electric Levels of the Left and Right Audio are of Independent Control

### WHATS IN THE BOX

- ※ Dual Cassette Deck
- ※ Audio Cable

### Rear Panel



**2CH All-in-One Media Player**
**RH680CAS**
**CD/USB/BT/AM/FM/RDS/DAB+**

**Specifications**

Model	RH680CAS
Compatible media	Channel A: <b>CD,USB,Bluetooth</b> Channel B: <b>USB,Bluetooth,FM(RDS),DAB+(DAB),AM</b>
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 ( $\pm 0.5$ 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 k $\Omega$ /kohms Output level: 2 Vrms (Max. 10 dBu) at 10 k $\Omega$ /kohms load
Balanced out L/R	XLR terminal x 2 (1:GND, 2:Hot, 3:Cold) Load impedance: Over 600 $\Omega$ /ohms Output level: 8.23 dBu (Max. 24 dBu) at 600 $\Omega$ /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**

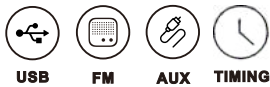
This Media Player RH680CAS is an All-In-One audio source device which accommodates different kinds of audio sources into one single device with two channels:

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**

**Mp3 Program Timing Player**
**RH2805M**
**USB/FM/AUX/TIMING**

**Specifications**

Model	RH2805M
Line Input	10K ohms( $\Omega$ ) 330mV, unbalanced
MIC Input	600 ohms( $\Omega$ ) 5~8mV, unbalanced
Line Output	10K ohms( $\Omega$ ) 500mV, unbalanced
Memory Capacity	128M, 256M, 512M (optional)
Extra AC Power Outputs	Two AC power outputs
Channels Controlled	CH1~CH4
Monitor Speaker	Full range speaker 5W
S/N	>90dB
Frequency Response	20Hz~18KHz
Power Cable	(3 $\times$ 1.5 mm <sup>2</sup> ) $\times$ 1.5m
Power Supply	AC 220V $\pm$ 10% 50-60Hz
Power Consumption	15~20W
Dimension	89(H) $\times$ 483(W) $\times$ 350(D)mm
Packing Size	185(H) $\times$ 520(W) $\times$ 435(D)mm
N.W	6.42kg
G.W	7.16kg

**Descriptions & Features**

The MP3 Program Player RH2805M is a kind of timing player of the MP3 program timing platform and integrating the playing of program and the timing control of the playing of the program from U disk.

Users can play MP3 from U disk or FM radio on a regular interval. A timer with 8 editable timing points cycling by a week, up to 100 editable.

Timing points for 1 day and power-off information memory of timing points.

Edit timing points on a computer and copy edited timing points from computer to built-in memory through USB interface. Suitable for any public places where the automatic timing tasks are required with sound remind such as school bell, shopping market timing announcement, company interval bell etc.

- ※ Built-in FM tuner.
- ※ Built-in local monitor speaker.
- ※ Built-in MP3 player with USB port.
- ※ Built-in 4G flash memory for uploading audio source.
- ※ With one microphone input for making announcement.
- ※ A featured timer with editable points for specific timing tasks.
- ※ 4CH AC power output sockets can be controlled by timing points.
- ※ 4CH 100V amplified signal inputs, 4 pairs of zone speaker output terminals.

**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



**UHF Wireless Microphone**

**RH501UT/RH330U/RH331U/RH360U/RH640U/RH680U**



**RH501UT**

**UHF 1-Channel Wireless Microphone**  
Working Distance:200 meters  
Belt-pack or handheld microphone



**RH330U**

**UHF 2-Channel Wireless Microphone**  
Working Distance:30 meters  
Belt-pack,handheld microphone or desktop microphone



**RH331U**

**UHF 2-Channel Wireless Microphone**  
Working Distance:40 meters  
Belt-pack,handheld microphone or desktop microphone



**RH360U**

**UHF 2-Channel Wireless Microphone**  
Working Distance:80-100 meters  
Belt-pack,handheld microphone or desktop microphone



**RH640U**

**UHF 4-Channel Wireless Microphone**  
Working Distance:50-80 meters  
Belt-pack,handheld microphone or desktop microphone



**RH680U**

**UHF 8-Channel Wireless Microphone**  
Working Distance:50-80 meters  
Belt-pack,handheld microphone or desktop microphone

# PA Speaker Series



Full-Weather Column Speaker

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



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

Full-Weather Column Speaker

RH-CS51/RH-CS52/RH-CS53/RH-CS54

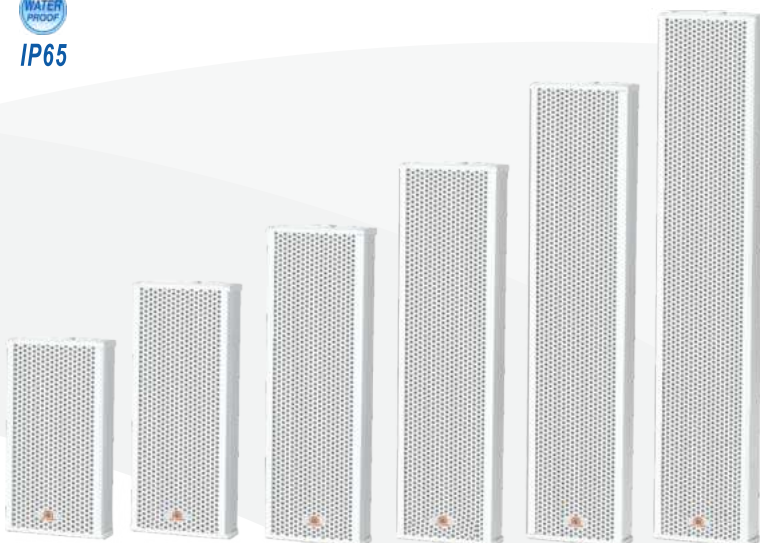


Specifications

Model	RH-CS51	RH-CS52	RH-CS53	RH-CS54
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	89±3dB	92±3dB	94±3dB	95±3dB
Dimension	258*151*125mm	378*151*125mm	498*151*125mm	618*151*125mm
Installation	Indoor/Outdoor wall mount			
Material	Aluminium alloy			
Net Weight	2.20kg	3.20kg	4.20kg	5.00kg
Speaker Driver	4**1+1.5**1	4**2+1.5**1	4**3+1.5**1	4**4+1.5**1

Full-Weather Column Speaker

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



Specifications

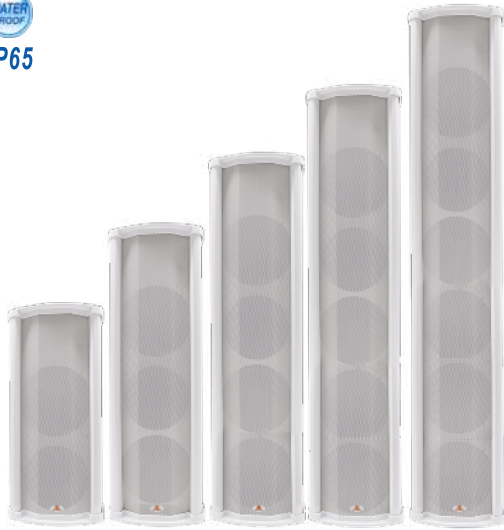
Model	RH-CS702	RH-CS704	RH-CS706
Rated Power	10W/20W	20W/40W	30W/60W
Audio Input	100V	100V	100V
Frequency Response	140Hz-15KHz	140Hz-15KHz	140Hz-15KHz
Sensitivity	93±3dB	94±3dB	95±3dB
Dimension (mm)	304*227*125	520*227*125	736*227*125
Installation	Indoor/Outdoor wall mount		
Material	Aluminium alloy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

Full-Weather Column Speaker

RH-CS502/RH-CS504/RH-CS506/RH-CS508/RH-CS512



Specifications

Model	RH-CS502	RH-CS504	RH-CS506	RH-CS508	RH-CS512
Rated Power	10W/20W	20W/40W	30W/60W	40W/80W	60W/120W
Audio Input	100V	100V	100V	100V	100V
Fre. Response	80Hz-20KHz	80Hz-20KHz	80Hz-20KHz	80Hz-20KHz	80Hz-20KHz
Sensitivity	91±3 dB	92±3 dB	93±3 dB	94±3 dB	95±3 dB
Dimension	345*157*147mm	480*157*147mm	620*157*147mm	770*157*147mm	1045*157*147 mm
Installation	Indoor/Outdoor Wall mount				
Material	Aluminium alloy				
Net Weight	3.4kg	4.4kg	5.4kg	6.4kg	7.4kg
Speaker Driver	5**1+ 3**1	5**2+ 3**1	5**3+ 3**1	5**4+ 3**1	5**6+ 3**1

Full-Weather Column Speaker

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



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

Full-Weather Column Speaker

RH-CS330TH/RH-CS360TH



Specifications

Model	RH-CS330TH	RH-CS360TH
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	3.0kg	4.0kg
Speaker Driver	3*×2 + 2*×1	3*×4 + 2*×1

Wall Mount Speaker

RH-MS55/RH-MS65



Specifications

Model	RH-MS55	RH-MS65
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 Series



Specifications

Model	RH-MS15/4A	RH-MS15/5A	RH-MS15/6A
Rated Power	2.5/5/10/20W	3.75/7.5/15/30W	5/10/20/40W
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

Wall Mount Speaker

RH-MS25 Series



Specifications

Model	RH-MS25/5A	RH-MS25/6A	RH-MS25/8A
Rated Power	3.75/7.5/15/30W	5/10/20/40W	7.5/15/30/60W
Audio Input	70V/100V/8Ω	70V/100V/8Ω	70V/100V/8Ω
Frequency Response	90-20KHz	90-20KHz	40-20KHz
Sensitivity	87±3dB	88±3dB	89±3dB
Dimension	255*178*155mm	310*213*195mm	417*289*255mm
Installation	Wall mount with rotatable bracket		
Material	ABS enclosure,metal bracket		
Finish	Black or white		
Net Weight	3.10kg	3.70kg	6.60kg
Speaker Driver	5"*1+1"*1	6"*1+1"*1	8"*1+1"*1

## Waterproof Wall Mount Speaker

## RH-MS720/RH-MS760 PP housing, aluminum grill



### Specifications

Model	RH-MS720	RH-MS760
100V input	2.5W/5W/10W/20W	7.5W/15W/30W/60W
70V input	1.25W/2.5W/5W/10W/20W	3.75W/7.5W/15W/30W/60W
8 Ohm input	20W	60W
Ip Rated	Ip66 waterproof	Ip66 waterproof
Sensitivity(1m/1W)	87±3 dB	94±3 dB
Frequency Response	80Hz-20KHz	60Hz-20KHz
Dimension(D*W*H)	146*138*238 mm	200*190*330 mm
Installation	Adjustable bracket	
Material	PP housing and bracket Aluminum grill	PP housing and bracket Aluminum grill
Woofer Driver	4"*1 (waterproof)	6.5"*1 (waterproof)
Tweeter Driver	1"*1 (waterproof)	1.5"*1 (waterproof)
Finish	White or Black	White or Black
Net Weight	1.80 kg	3.60 kg

## Waterproof Wall Mount Speaker

## RH-MS820/RH-MS860



### Specifications

Model	RH-MS820	RH-MS860
Rated Power	2.5/5/10/20W	7.5W/15W/30W/60W
Audio Input	70V/100V/8Ω	70V/100V/8Ω
Rrequency 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 enclosure, metal bracket	
Finish	Black or white	
Net Weight	2.40kg	4.80kg
Speaker Driver	4"*1+1.5"*1	6"*1+1.5"*1

## Wall Mount Speaker

## RH-MS35 Series



### Specifications

Model	RH-MS35/4A	RH-MS35/5A	RH-MS35/6A
Rated Power	4W/8W/15W/20W	5W/8W/15W/30W	5W/10W/20W/40W
Audio Input	70V/100V/8Ω	70V/100V/8Ω	70V/100V/8Ω
Frequency Response	95-20KHz	80-20KHz	65-20KHz
Sensitivity	90dB	90dB	90dB
Dimension	255*176*170mm	280*194*185mm	310*215*203mm
Installation	Wall mount with rotatable bracket		
Material	ABS enclosure, metal bracket		
Finish	Black or white		
Net Weight	2.8kg	3.2kg	4.3kg
Speaker Driver	4"*1+1"*1	5"*1+1"*1	6"*1+1"*1

Wall Mount Speaker



**RH-MS15**



**RH-MS04**



**RH-MS03**

**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	RH-MS03
Rated Power	5W/10W	3W/6W	1.5W/3W
Audio Input	100V	100V	100V
Frequency Response	150-15KHz	150-15KHz	250-10KHz
Sensitivity	91±3dB	91±3dB	91±3dB
Dimension	260*185*120mm	161*161*100mm	120*120*60mm
Installation	Wall mount through mounting hook		
Material	ABS enclosure & grille	Full ABS	Full ABS
Finish	White	White	White
Net Weight	1.30kg	0.80kg	0.40kg
Speaker Driver	6.5**1	4**1	2.5**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-T13/RH-T13F/RH-T23



Dual-cone



Dual-cone  
Moisture-proof



Dual-cone

### Descriptions

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.

These speakers are ideally suited for installation in areas for the sound reproduction of reading announcements, declaring states of emergency, and playing background music such as shopping malls, restaurants, metro stations, hotels, coffee bars etc.

### Specifications

Model	RH-T13	RH-T13F	RH-T23
Rated Power	3W/6W	3W/6W	5W/10W
Audio Input	100V	100V	100V
Frequency Response	110-15KHz	110-15KHz	110-15KHz
Sensitivity	90±3dB	93±3dB	93±3dB
Dimension	Φ200*67mm	Φ188*76mm	Φ228*90mm
Cutting Hole	Φ170mm	Φ170mm	Φ205mm
Installation	In-ceiling mounting with spring clamps		
Grille	Iron	Aluminium	Iron
Finish	White	White	White
Net Weight	0.70kg	0.70kg	1.00kg
Speaker Driver	6**1	6**1	8**1

## Ceiling Speaker

### RH-T036/RH-T046/RH-T16/RH-TH105



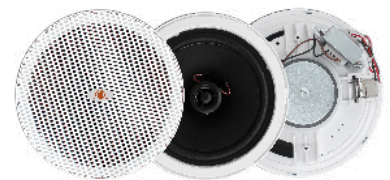
Rimless



Rimless



Rimless



Rimless coaxial

### Descriptions

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.

These speakers are ideally suited for installation in areas for the sound reproduction of reading announcements, declaring states of emergency, and playing background music such as shopping malls, restaurants, metro stations, hotels, coffee bars etc.

### Specifications

Model	RH-T036	RH-T046	RH-T16	RH-TH105
Rated Power	3W/6W	3W/6W	3W/6W	5W/10W
Audio Input	100V	100V	100V	100V
Frequency Response	110-15KHz	110-15KHz	120-20KHz	90-20KHz
Sensitivity	90±3dB	90±3dB	87±3dB	88±3dB
Dimension	Φ180*80mm	Φ180*190mm	Φ115*75mm	Φ188*76mm
Cutting Hole	Φ170mm	Φ170mm	Φ95mm	Φ170mm
Installation	In-ceiling mounting with spring clamps			
Material	ABS+metal	ABS+metal	ABS+metal	ABS+metal
Finish	White	White	White	White
Net Weight	0.75kg	1.00kg	0.60kg	0.70kg
Speaker Driver	6**1	6**1	6**1	6**1+1**1



## Ceiling Speaker

### RH-TH906

#### Hi-fidelity class



#### 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

#### 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 grilles** provide 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.

#### 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
● DO NOT USE IN POSITION 1(8Ω) ON A 70V/100V SYSTEM, OR DAMAGE WILL OCCUR. ● DO NOT USE IN POSITION 6(N.C.) ON A 100V SYSTEM, OR DAMAGE WILL OCCUR.			
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-TH804A/RH-TH805A/RH-TH806A/RH-TH808A



#### Descriptions & Features

The rimless speakers provide premium performance in background, foreground and music-plus-paging sound system.

These speakers are ideally suited for installation in areas for the sound reproduction of reading announcements, declaring states of emergency, and playing background music such as conference rooms, coffee shops, restaurants, airports, hotels, home theaters etc.

- ※ Rimless design with magnetically-attached grille.
- ※ 2-way coaxial sound system with professional crossover.
- ※ Fiberglass woven cone woofer.
- ※ Silk dome tweeter.
- ※ 100V operation with easy selection of power through a length of cable.

#### Specifications

Model	RH-TH804A	RH-TH805A	RH-TH806A	RH-TH808A
Input Mode	100V	100V	100V	100V
Power Selection	1.25W, 2.5W, 5W, 10W	2.5W, 5W, 10W, 20W	3.75W, 7.5W, 15W, 30W	5W, 10W, 20W, 40W
SPL( 1W/ 1M)	85 dB	86 dB	88 dB	89 dB
Freq. Response	90-20KHz	80-20KHz	70-20KHz	60-20KHz
Woofer Drive	woven cone 4"×1"	woven cone 5"×1"	woven cone 6"×1"	woven cone 8"×1"
Tweeter Driver	silk dome 1"×1"	silk dome 1"×1"	silk dome 1.5"×1"	silk dome 1.5"×1"
Material	ABS enclosure, metal grille			
Cutout Size	Φ150mm	Φ185mm	Φ205mm	Φ250mm
Dimension	Φ168×80mm	Φ198×85mm	Φ225×105mm	Φ273×110mm
Finish	White	White	White	White



Coaxial



Coaxial



Coaxial

### 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	10W/20W	15W/30W	20W/40W
Audio Input	100V	100V	100V
Frequency Response	100~20KHz	90~20KHz	60~20KHz
Sensitivity	88±3dB	90±3dB	93±3dB
Dimension	Φ 203*80mm	Φ 230*90mm	Φ 270*105mm
Cutting Hole	Φ 170mm	Φ 200mm	Φ 240mm
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-THS65/RH-THS66/RH-THS68**



Coaxial

Coaxial

Coaxial

**Descriptions**

These Coaxial Ceiling Speakers utilize powerful low woofer and high tweeter with back cover 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, this speakers are ideal for a variety of settings ranging from restaurant and retail settings to professional offices and reception / waiting areas.

**Specifications**

Model	RH-THS65	RH-THS66	RH-THS68
Rated Power	2.5W/5W/10W/20W	3.8W/7.5W/15W/30W	5W/10W/20W/40W
Audio Input	70V/100V/8Ω	70V/100V/8Ω	70V/100V/8Ω
Frequency Response	100~20KHz	90~20KHz	80~20KHz
Sensitivity	88±3dB	89±3dB	90±3dB
Dimension	Φ231*161mm	Φ240*155mm	Φ280*190mm
Cutting Hole	Φ180mm	Φ210mm	Φ250mm
Installation	In-ceiling with dog-ear hook		
Material	ABS enclosure & back cover, metal grille		
Finish	White	White	White
Net Weight	1.50kg	2.20kg	2.80kg
Speaker Driver	5"*1+1"*1	6"*1+1"*1	8"*1+1"*1

**Ceiling Speaker**

**RH-T008**



**Descriptions**

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.

These speakers are ideally suited for installation in areas for the sound reproduction of reading announcements, declaring states of emergency, and playing background music such as shopping malls, restaurants, metro stations, hotels, coffee bars etc.

**Specifications**

Model	RH-T008
Rated Power	5W
Audio Input	100V
Frequency Response	120-20KHz
Sensitivity	87±3dB
Dimension	Φ115*75mm
Cutting Hole	Φ95mm
Material	In-ceiling mounting with spring clamps
Material	Aluminium Alloy
Finish	White
Net Weight	0.6kg
Speaker Driver	3"*1

## Ceiling Speaker

### RH-TWF33



### Descriptions

These Waterproof 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.

These speakers are ideally suited for installation in areas for the sound reproduction of reading announcements, declaring states of emergency, and playing background music such as shopping malls, restaurants, metro stations, hotels, coffee bars etc.

### Specifications

Model	RH-TWF33
Rated Power	6W/3W
Audio Input	100V
Frequency Response	100~20KHz
Sensitivity	87 ± 3dB
Dimension	Φ140*122mm
Cutting Hole	Φ125mm
Installation	In-ceiling with dog-ear hook
Material	ABS enclosure & back cover, metal grille
Finish	White
Net Weight	1.50kg
Speaker Driver	4" * 1

## Ceiling Speaker

### RH-TPF563C/RH-TPF663C/RH-TPF863C

### Fireproof



### Descriptions

The Fireproof Metal Ceiling Speaker 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.

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.

This speaker is ideally suited for installation in areas for the sound reproduction of reading announcements, declaring states of emergency, and playing background music such as shopping malls, restaurants, metro stations, hotels, coffee bars etc.

### Specifications

Model	RH-TPF563C	RH-TPF663C	RH-TPF863C
Rated Power	1.5W/3W/6W	1.5W/3W/6W	1.5W/3W/6W
Audio Input	70V/100V	70V/100V	70V/100V
Freq.Resp.(HZ)	130Hz~15KHz	120Hz~18KHz	80~20KHz
Sensitivity	92dB	92dB	90 ± 3dB
Dimension	Φ180*133mm	Φ230*133mm	Φ270*133mm
Cutting Hole	Φ160mm	Φ204mm	Φ230mm
Material	Metal enclosure, grille, bracket		
Finish	White	White	White
Net Weight	1.3kg	1.7kg	2.80kg
Speaker Unit	5" full range	6" full range	8" full range

**Low impedance 8Ω Ceiling Speaker**

**RH-TH804C/RH-TH805C/RH-TH806C/RH-TH808C**



**Descriptions & Features**

These are low-impedance (8-ohm) operation ceiling speakers are designed for both commercial and domestic environments which require Low Impedance Operation Only, such as homes, offices, cafes and restaurants etc.

- ※ **Rimless design with magnetically-attached grille.**
- ※ **2-way coaxial sound system with professional crossover.**
- ※ **Fibreglass woven cone woofer.**
- ※ **Silk dome tweeter.**
- ※ Low impedance operation only.

**Specifications**

Model	RH-TH804C	RH-TH805C	RH-TH806C	RH-TH808C
Input Mode	8Ω	8Ω	8Ω	8Ω
Rated Power	10W	20W	30W	40W
Peak Power	20W	40W	60W	80W
SPL( 1W/ 1M)	85 dB	86 dB	88 dB	89 dB
Freq. Response	90-20KHz	80-20KHz	70-20KHz	60-20KHz
Woofer Drive	woven cone 4" 1	woven cone 5" 1	woven cone 6" 1	woven cone 8" 1
Tweeter Driver	silk dome 1" 1	silk dome 1" 1	silk dome 1.5" 1	silk dome 1.5" 1
Material	ABS enclosure , metal grille			
Cutout Size	Φ168mm	Φ185mm	Φ205mm	Φ2520mm
Dimension	Φ168*80mm	Φ198*85mm	Φ225*105mm	Φ273*110mm
Finish	White	White	White	White

**Low impedance Marine Ceiling Speaker**

**RH-TWF34/RH-TWF35/RH-TWF36**



**Descriptions**

The RH-AUDIO Waterproof In-ceiling Speaker Series has a weatherproof design that makes it ideal for indoor or outdoor use.

These water-resistant ceiling speakers are specially made for damp environments and sound excellent so you can enjoy your music indoors & outdoors.

Can be used in bathrooms, outside under the porch and on ships etc.

Sleek, modern and attractive appearance with protection grille.

2-way coaxial system.

Waterproof featured Ip55.

8 Ohm impedance available for use with a variety of sound systems.

Three sizes are available.

4 Ohm optional.

**Specifications**

Model	RH-TWF34	RH-TWF35	RH-TWF36
Rated Power	20W	25W	30W
Peak Power	40W	50W	60W
Audio Input	8 ohm	8 ohm	8 ohm
Frequency Response	155Hz-20KHz	95Hz-20KHz	85Hz-20KHz
Sensitivity(1w,1n)	88 ± 3dB	90 ± 3dB	90 ± 3dB
Hole for mounting	Φ105mm	Φ122mm	Φ147mm
Dimension	Φ 141*70mm	Φ 165*75mm	Φ 190*90mm
Finished	White	White	White
Material	ABS	ABS	ABS
Speaker Unit	4" 1+1" 1	5" 1+1" 1	6" 1+1" 1
Net Weight	0.5kg	0.7kg	0.8kg

Full-Weather Horn Speaker

RH-HS34/RH-HS43/RH-HS15



**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



**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

Full-Weather Horn Speaker

RH-HS45/RH-HS48



**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 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

Full-Weather Horn Speaker

RH-HS200/RH-HS300



**Descriptions**

These high power speakers are made from robust, virtually indestructible enclosure of synthetic resin and alloy metal brackets offering maximum protection against shock and weather making them ideal for mounting in extreme conditions.

These unique speakers is designed to provide clear, sharply-focused audio reproduction by utilizing a special two-way system, its 12-inch long-throw 190 magnetic 100-core woofer is utilized for powerful middle and low frequency sound reproduction, while the 120 magnetic 44-core titanium tweeter rounds out the high sound pressure level.

With IP65 rated, suitable for applications on vehicles, in schools, in stadiums or in any other exposed outdoor installations.

Fitted with a sturdy mounting bracket.

**Specifications**

Model	RH-HS200	RH-HS300
Rated Power	200W	300W
Audio Input	100V	100V
Frequency Response	60Hz-18KHz	50Hz-18KHz
Sensitivity	102±3dB	105±3dB
Dimension	490*490*700mm	580*580*800mm
Installation	Adjustable mounting bracket	
Material	Resin	Resin
Net Weight	29.00kg	45.00kg

## Full-Weather Projection Speaker

RH-CH06/RH-CH07

(Uni-directional)



### Descriptions

The Projection Speakers offer high quality sound with contemporary styling.

Designed for indoor and outdoor applications with IP65 rated. These projection speaker 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)



### Descriptions

The Projection Speakers offer high quality sound with contemporary styling.

Designed for indoor and outdoor applications with IP65 rated. These projection speaker 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)



### Descriptions

The Projection Speakers offer high quality sound with contemporary styling.

Designed for indoor and outdoor applications with IP65 rated. These projection speaker 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



## Full-Weather Pendant Speaker

### RH-SL01/RH-SL02



#### 👁️ 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



#### 👁️ 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



#### 👁️ 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-S61/RH-S65/RH-S83/RH-KT31



**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-S61	RH-S65	RH-S83	RH-KT31
Rated Power	10W/20W	15W/30W	25W/50W	10W/20W
Audio Input	100V	100V	100V	100V
Fre. Response	100Hz-15KHz	80Hz-15KHz	80Hz-15KHz	150Hz-15KHz
Sensitivity	95±3dB	95±3dB	95±3dB	91±3dB
Dimension	320*270*270 mm	465*295*475mm	700*400*335mm	Φ380*450mm
Installation	Screwed		Screwed	
Material	Fibreglass reinforced plastic		Fibreglass reinforced plastic	
Net Weight	3.8kg±0.3kg	7.8kg±0.8kg	10.5±0.5kg	5.5kg±0.5kg
Speaker Driver	5.5" *1	5.5" *1	8" *1	5.5" *1

Full-Weather Garden Speaker

RH-KT27R/RH-KT66/RH-KT26/RH-ST12



**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.

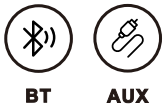
The enclosure is constructed of all weather resistant with material of fibreglass reinforced plastic (FRP), to ensure performance and maintain a good appearance for years to come, in even the most temperamental and unpredictable climates with IP 65 rating.

**Specifications**

Model	RH-KT27R	RH-KT66	RH-KT26	RH-ST12
Rated Power	10W/20W	15W/30W	10W/20W	10W/20W
Audio Input	100V	100V	100V	100V
Fre. Response	150Hz-15KHz	80Hz-15KHz	130Hz-15KHz	150Hz-15KHz
Sensitivity	91±3dB	93±3dB	91±3dB	91±3dB
Dimension	Φ370*395	Φ335*380mm	330*325*485	265*265*765
Installation	Screwed		Screwed	
Material	Fibreglass reinforced plastic		Fibreglass reinforced plastic	
Net Weight	4.2kg±0.5kg	6.5±0.5kg	6.5±0.5kg	6.5±0.5kg
Speaker Driver	3.5" *2	6.5" *1	5.5" *1	4" *1

# Active Speaker Series





1CH Master Active Speaker



2CH Master Active Speaker



4CH Master Active Speaker

### Descriptions & Features

The RH-AUDIO Bluetooth Active Ceiling Speakers are designed with digital Class D amplifier, and built-in Bluetooth receiver. It is an ideal economy choice for industrial and commercial applications in hotels, shops, home rooms and where background music is needed.

✘ Built-in digital Class D amplifier with three options:

**Model RH31BL: built-in 1CH amplifier 1\*10W**

**Model RH32BL: built-in 2CH amplifier 2\*10W**

**Model RH34BL: built-in 4CH amplifier 4\*10W**

✘ Built-in Bluetooth for wireless music streaming – works with almost all Bluetooth devices (iphones, Androids, smart phones, ipads, tablets, etc).

✘ Support for Bluetooth protocols: HFPV1.5, A2DPV1.2, AVRCPV1.4, HSP1.2, GAVDP1.2, IOP

✘ Power supply with AC adapter.

✘ Full-range 6" dual-cone dynamic speaker driver.

✘ Frame-mounted spring-loaded clamps provide secure, low-noise connections and easy installation.

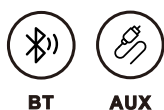
✘ Attractive color ABS resin finish with white grille suits any decor.



Slave Passive Speaker

### Specifications

Model	RH31BL	RH32BL	RH34BL
Rated Power	1*10W@8Ω	2*10W@8Ω	4*10W@8Ω
Amplifier Channel	1 Channel	2 Channel	4 Channel
Amplifier Type	Digital Class D	Digital Class D	Digital Class D
Frequency Response	120Hz-15KHz(±3dB)	120Hz-15KHz(±3dB)	120Hz-15KHz(±3dB)
THD	<0.05% at 1kHz, 1/3 rated power	<0.05% at 1kHz, 1/3 rated power	<0.05% at 1kHz, 1/3 rated power
S/N	>70 dB	>70 dB	>70 dB
Speaker Driver	6"*1	6"*1	6"*1
Power Consumption	15W	30W	50W
Installation	In-ceiling	In-ceiling	In-ceiling
Material	ABS enclosure, metal clamps	ABS enclosure, metal clamps	ABS enclosure, metal clamps
Power Supply	DC5V / 1A	DC12V / 1.5A	DC12V / 3A
Dimension	Φ188*76mm	Φ188*76mm	Φ188*76mm
Cutting Hole	Φ170mm	Φ170mm	Φ170mm
Net Weight	0.95kg (1)	1.95kg (1+1)	3.95kg (1+3)

**2CH Bluetooth Active Coaxial Ceiling Speaker**
**RH622BL/RH623BL/RH624BL**

**RH622BL (5")**

**RH623BL (6")**

**RH624BL (8")**
**Descriptions & Features**

The RH-AUDIO Bluetooth Active Coaxial Ceiling Speakers are designed with digital Class D amplifier, and built-in Bluetooth receiver. The long-throw polypropylene cone woofer 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.

It is an ideal choice for industrial and commercial applications in hotels, shops, home rooms and where background music is needed.

※ Built-in digital Class D amplifier with three options:

**Model RH622BL: built-in amplifier 2\*20W**

**Model RH623BL: built-in amplifier 2\*30W**

**Model RH624BL: built-in amplifier 2\*40W**

※ Built-in Bluetooth for wireless music streaming – works with almost all Bluetooth devices (iphones, Androids, smart phones, ipads, tablets, etc).

※ Support for Bluetooth protocols: HFPV1.5, A2DPV1.2, AVRCPV1.4, HSP1.2, GAVDP1.2, IOP

※ Power supply with AC adapter.

※ Coaxial speaker driver system with separate woofer and tweeter.

※ Dog-ear hooks provide secure, low-noise connections and easy installation.

※ Attractive color ABS resin finish with white grille suits any decor.


**Slave Passive Speaker**
**Specifications**

Model	RH622BL	RH623BL	RH624BL
<b>Rated Power</b>	<b>2*20W@8Ω</b>	<b>2*30W@8Ω</b>	<b>2*40W@8Ω</b>
Amplifier Channel	2 Channel	2 Channel	2 Channel
Amplifier Type	Digital Class D	Digital Class D	Digital Class D
Frequency Response	90Hz-20KHz(±3dB)	80Hz-120KHz(±3dB)	70Hz-20KHz(±3dB)
THD	<0.05% at 1kHz, 1/3 rated power	<0.05% at 1kHz, 1/3 rated power	<0.05% at 1kHz, 1/3 rated power
S/N	>78 dB	>80 dB	>82 dB
Speaker Driver	5"*1+1"*1	6"*1+1"*1	8"*1+1"*1
Power Consumption	30W	40W	50W
Installation	In-ceiling	In-ceiling	In-ceiling
Material	ABS enclosure, metal clamps	ABS enclosure, metal clamps	ABS enclosure, metal clamps
Power Supply	DC24V / 2A	DC24V / 2A	DC24V / 2A
Dimension	Φ203*80mm	Φ230*90mm	Φ270*105mm
Cutting Hole	Φ170mm	Φ200mm	Φ240mm
Net Weight	1.25kg (master)	1.60kg (master)	2.30kg (master)



### Features

- ※ Solution of stereo wireless Bluetooth transmission, the adoption of BK8000L BEKEN chip module with high-quality sound quality
- ※ AC110V~AC220V power supply with adapter
- ※ Transmission distance 10 meters
- ※ Digital Class D amplifier
- ※ Woofer 5.25", tweeter 1.5"
- ※ One line input, one MIC input, one 100v input.

### Specifications

Model	RH609BL
Rated Power	2x30W@8Ω
Input Sensitivity	0.5V
Output Frequency Response	60Hz-18KHz/1W, ±0.5dB
Harmonic Distortion	20Hz-20KHz/1W, 0.05%
Protocols	HFPV1.5, A2DPV1.2, AVRCPV1.4, HSP1.2, GAVDP1.2
Damping Coefficient	>200@8Ω/400Hz
S/N	>95dB
Indicator	power, BT, channel
Protection	overload, high temperature
Input Terminal	RCA, 6.5mm, Phoenix
Power In	AC110V-240V/50Hz-60Hz
Dimension	170×185×250mm
N.W	4.7Kg (1SET)


**TWS STEREO AUX**


### Descriptions & Features

This speaker uses the TWS TECHNOLOGY: True wireless stereo technology supports two speakers play music synchronously through a V5.0 Bluetooth connection, form left and right channel letting you enjoy true stereo sound quality without the use of cables or wires.

You pair a primary TWS Bluetooth speaker to your smartphone, tablet, or computer etc.

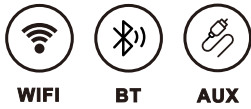
Take a second TWS Bluetooth speaker of the same model and pair it with the primary one.

You can begin to play your music to get a definitive stereo sound experience.

- ※ Truly wireless stereo without cable
- ※ V5.0 Bluetooth connection
- ※ Built-in digital Class D amplifier
- ※ Support for Bluetooth protocols:
- ※ A2DP v1.3, AVRCP v1.6, HFP v1.7, HID v1.1, AVCTP v1.4, AVDTP v1.3, and SPP v1.2
- ※ DC12V power supply with AC adapter.
- ※ 2 way coaxial speaker driver system with separate woofer and tweeter.
- ※ Attractive color ABS resin finish with white or black grille suits any decor.

### Specifications

Model	RH-83TWSW
Output power	30W
Bluetooth wireless range	≤ 10M
Amplifier Type	Digital Class D
Frequency Response	50Hz-20KHz
Wireless solution	True wireless stereo technology,Bluetooth V5.0
S/N	≥95 dB
Speaker Driver	6.5**1+1**1
Power Consumption	50W
Input sensitivity	700MV
Material	ABS enclosure,metal grille and bracket
Power Supply	AC100V-240V/50Hz/60Hz
Power supply	DC12V 3A
Dimension	130*185*285mm
Net Weight	3.50kg



2CH Master Active Speaker



4CH Master Active Speaker

### Descriptions & Features

The RH-AUDIO WiFi Speakers are designed with digital Class D amplifier, and built-in WiFi receiver supporting WiFi connection via App LEGACY:

We can enjoy online music or online internet radio including Tunein, Spotify, Tidal etc.,

We can easily manage all the speakers in different zones/rooms.



Legacy Player



Dedicated App Control



- ※ Built-in digital Class D amplifier with two options:
  - Model RH62WF: built-in 2CH amplifier 2\*30W
  - Model RH64WF: built-in 4CH amplifier 4\*30W
- ※ One RJ45 port available for the point where the WiFi signal is weaker.
- ※ One LINE input for local audio source.
- ※ 2-way coaxial system containing one 6" woofer and one 1" tweeter.
- ※ Power supply with AC adapter.
- ※ Flush-mount dog ears installation.



Slave Passive Speaker

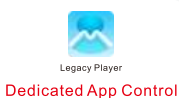
### Specifications

Model	RH62WF	RH64WF
Rated Power	2*30W@8Ω	4*30W@8Ω
Amplifier Channel	2 Channel	4 Channel
Amplifier Type	Digital Class D	Digital Class D
Frequency Response	80Hz-20KHz(±3dB)	80Hz-20KHz(±3dB)
THD	<0.05% at 1kHz, 1/3 rated power	<0.05% at 1kHz, 1/3 rated power
S/N	> 70 dB	> 70 dB
Speaker Driver	Woofer 6"*1 + tweeter 1"*1	Woofer 6"*1 + tweeter 1"*1
Power Consumption	50W	100W
Installation	In-ceiling	In-ceiling
Material	ABS enclosure, metal grille	ABS enclosure, metal grille
Power Supply	DC24V / 5A	DC24V / 5A
Dimension	Φ230*155mm	Φ230*155mm
Cutting Hole	Φ200mm	Φ200mm
Net Weight	3.20kg (1+1)	5.80kg (1+3)



## WiFi Active Ceiling Speaker

### RH61WF



### Specifications

Model	RH61WF
Rated Power	30W @ 8Ω
Power Supply	DC24V/2A
Amplifier	Class-D
SPL(1W/1M)	90 dB
Freq. Response	70-20KHz
THD	<0.05% at 1kHz, 1/3 rated power
S/N	>70 dB
Woofer Driver	woven cone 6.5"×1
Tweeter Driver	silk dome 1"×1
Material	ABS enclosure, metal grille
Dimension	Φ235*101mm
Cutout Size	Φ205mm
Net Weight	1.6kg

### Descriptions & Features

This all-in-one ceiling speaker system is designed with digital Class D amplifier, and built-in WiFi receiver supporting WiFi connection via dedicated App: We can enjoy online music or online internet radio including Tunein, Spotify, Tidal etc., can easily manage all the speakers in different zones/rooms.

This active speaker is a new rimless design with magnetically-attached grille. 2 way coaxial sound system with the 6.5" woofer helps to reduce distortion for improved clarity. 1" silk dome tweeter improves sound dispersion by directing crisp, clear, and accurate higher frequency sounds to fit any room. A high-grade crossover utilizes oxygen-free copper inductors, high watt ceramic resistors, and high quality capacitors. The speaker includes a reveal magnetic rimless grille, which attaches easily and covers the lip. Once installed, no part of the speaker shows except for the grill, having the speaker virtually disappear into the installation environment.

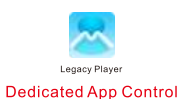
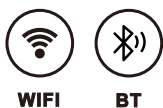
Ideal for use in your living room, bedroom, hotel room, entertainment area, office, workspace, show room, restaurant etc.



- ✦ Built-in digital Class-D amplifier 30W.
- ✦ Built-in WiFi wireless music streaming receiver.
- ✦ Built-in Bluetooth wireless music streaming receiver.
- ✦ DC 24V power supply with AC adapter.
- ✦ 2-way coaxial sound system with professional crossover.
- ✦ 6.5" fiberglass woven cone woofer.
- ✦ 1" silk dome tweeter.
- ✦ Flush-mount dog ears installation.
- ✦ New rimless design with magnetically-attached grille.

## Wifi Active Wall Speaker

### RH71WF



### Specifications

Model	RH71WF
Rated Power	30W @ 8Ω
Max. Power	60W
Amplifier	Class-D
SPL(1W/1M)	88 dB
Freq. Response	80-20KHz
THD	<0.05% at 1kHz, 1/3 rated power
S/N	>70 dB
Woofer Driver	PP cone 6.5"×1
Tweeter Driver	silk dome 1"×1
Material	ABS enclosure and bracket, alloy grille
Dimension	285*185*130mm
Net Weight	2.6kg

### Descriptions & Features

This all-in-one wall speaker system is designed with digital Class D amplifier, and built-in WiFi receiver supporting WiFi connection via dedicated App: We can enjoy online music or online internet radio including Tunein, Spotify, Tidal etc., We can easily manage all the speakers in different zones/rooms.

This active speaker is designed with 6.5" woofer and " tweeter, the woofer is constructed from polypropylene and has a rubber surround, the directional tweeter has a ferrofluid cooled silk dome.

Ideal for use in your living room, bedroom, hotel room, entertainment area, office, workspace, show room, restaurant etc.



- ✦ Built-in digital Class D amplifier 30W.
- ✦ Built-in WiFi wireless music streaming receiver.
- ✦ Built-in Bluetooth wireless music streaming receiver.
- ✦ One 6.5" PP woofer and one 1" silk dome tweeter.
- ✦ DC 24V power supply with AC adapter.
- ✦ Adjustable bracket installation.





**RH-HJ22AC**

**Waterproof Active Horn Speaker**

Power Supply: DC12V  
 Rated Power: 20W  
 Max. Power: 30W  
 Frequency Response: 400Hz-5KHz  
 Sensitivity(1w,1n): 105±3Db  
 Material: ABS enclosure, alloy bracket  
 Size: 222\*162\*232mm  
 Finish: white



**RH-HJ23AC**

**Waterproof Active Horn Speaker**

Power Supply: DC12V  
 Rated Power: 30W  
 Max. Power: 40W  
 Frequency Response: 400Hz-5KHz  
 Sensitivity(1w,1n): 105±3Db  
 Material: ABS enclosure, alloy bracket  
 Size: 285\*205\*285mm  
 Finish: white



**RH-HJ30AC**

**Waterproof Active Horn Speaker**

Power Supply: DC12V  
 Rated Power: 10W  
 Max. Power: 15W  
 Frequency Response: 400Hz-5KHz  
 Sensitivity(1w,1n): 105±3Db  
 Material: ABS enclosure, alloy bracket  
 Size: φ102\*110\*102  
 Finish: black



**RH-CS420ACW**

**Waterproof Active Column Speaker**

Power Supply: DC12V  
 Rated Power: 20W  
 Max. Power: 30W  
 Speaker Driver: 4"\*1+2"\*1  
 Frequency Response: 100Hz-15KHz  
 Sensitivity(1w,1n): 88±3Db  
 Material: alloy enclosure and bracket  
 Size: 150\*120\*305mm  
 Finish: white



**RH-WS18AC**

**Active Wall Speaker**

Power Supply: DC12V  
 Rated Power: 15W  
 Max. Power: 20W  
 Speaker Driver: 6.5"\*1+1"\*1  
 Frequency Response: 110Hz-16KHz  
 Sensitivity(1w,1n): 91±3Db  
 Material: ABS enclosure, metal grille  
 Size: 270\*200\*96mm  
 Finish: white enclosure, grey grille



**RH-WS06AC**

**Active Wall Speaker**

Power Supply: DC12V  
 Rated Power: 6W  
 Max. Power: 10W  
 Speaker Driver: 4"\*1  
 Frequency Response: 110Hz-16KHz  
 Sensitivity(1w,1n): 91±3Db  
 Material: ABS  
 Size: 180\*140\*70mm  
 Finish: white

# Multi-zone Public Address System

Background Music System

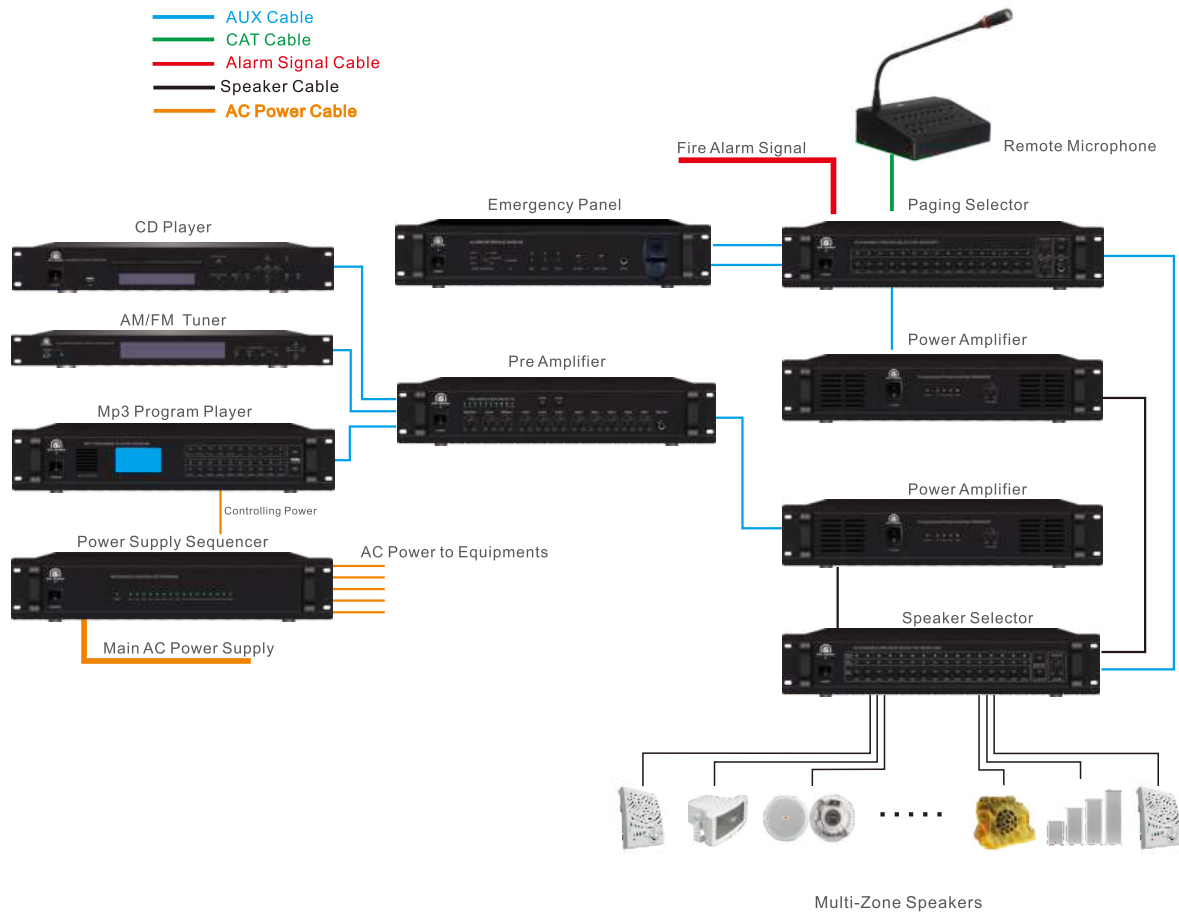
Voice Announcement System

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 RH2805M. And the background music or pre-recorded voice can be played/stopped according to the scheduled timings pre-set.

**16-Zone Remote Paging Microphone RH2816RT**



**Descriptions & Features**

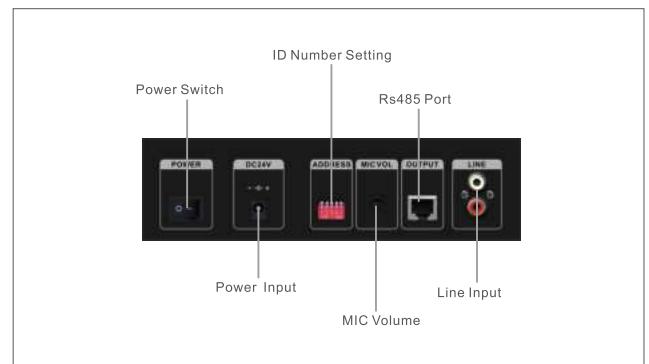
The 16-Zone Remote Paging Microphone works together with the 16 Zone(RH2816PT) Paging Selector, it is easily operated by pressing the zone selector buttons on the panel to access the corresponding zone of the paging selector to achieve remote paging to every zone.

- ✘ Paging modes: individual zone, combined zones and all zones.
- ✘ RH2816RT works with page 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.

**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	(2×0.5 mm <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

**Rear Panel**



**16-Zone Paging Selector RH2816PT**



**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.

**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

**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	6.9kg
G.W	8.1kg

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 & 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



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 & 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



**10-Zone Speaker Selector**
**RH2813B**

**Specifications**

Model	RH2813B
Group A Input	70V/100V audio signal 'CH1~ CH5'
Group B Input	70V/100V audio signal 'CH6~ CH10'
Channels Controlled	Total 10 channels
Power Handling	Group Input A:1000W;Group Input B 1000W Each zone handles 200W
Channel Switch Capacity	500W audio signal
Power Cable	(3×0.75 mm <sup>2</sup> )×1.5m
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	6.26kg
G.W	7.82kg

**Descriptions & Features**

The 10 Zone Speaker Selector is divided into 2 groups of 5 zones, it features two amplifier inputs A and B which can be connected to a single amplifier to control all 10 speaker zones.

- ※ Supports 10 zone speakers selection.
- ※ 2 group of 5 zones, 70V/100V audio signal.
- ※ 2 audio inputs.
- ※ LED signal level meter.
- ※ 10-position channel selector switch.
- ※ Each channel power handling ≤200W, total handling capacity ≤2000W.

**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**


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	6.9kg
G.W	8.1kg

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



16CH 24VDC Switch Power Supply

RH28216S



Specifications

Model	RH28216S
Channels Controlled	16 channels CH1 ~ CH16
Alarm Activation	'ALARM In' 'ALARM OUT'
Alarm Activation Level	High level +12V or low level 0V, can be set through the switch 'HIGHT'/'LOW' on the rear panel
Voltage Output	DC24Vx1A/channel, less than 20 Ohm on 1k cable
Power Cable	(3×1.5 mm <sup>2</sup> )×1.5m
Power Supply	AC 220V ±10% 50-60Hz
Power Consumption	20~300W
Dimension	89(H)×483(W)×350(D)mm
Packing Size	185(H)×520(W)×435(D)mm
N.W	8.84kg
G.W	10.38kg

Descriptions & Features

The 24VDC Switch Power Supply is a 16 channels switching power supply for use in a public address system to forcefully insert 24VDC over the system to provide power for volume control override and other emergency equipment, activated by a 16 channels input, the input alarm signals control the 24V power source outputs, thus forcefully cutting over the PA system.

- ✘ 16 channels of DC24V outputs.
- ✘ 16 alarm signal inputs provided to activate DC power outputs.
- ✘ Each channel has LED indicator.
- ✘ 25-pin activation input and output bus.

Rear Panel





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.

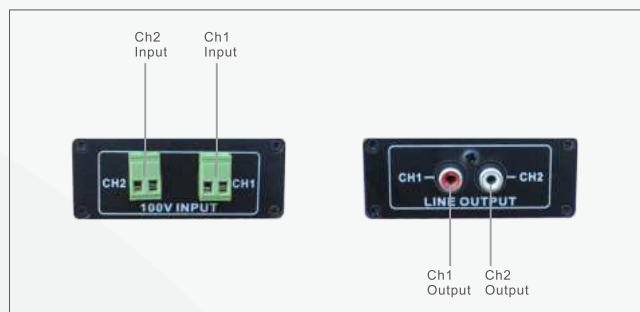
Ideal for signal transmission over long distances or supplying an auxiliary output from PA amplifiers or from a 100V audio signal source to the units with line input.

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**



# 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.

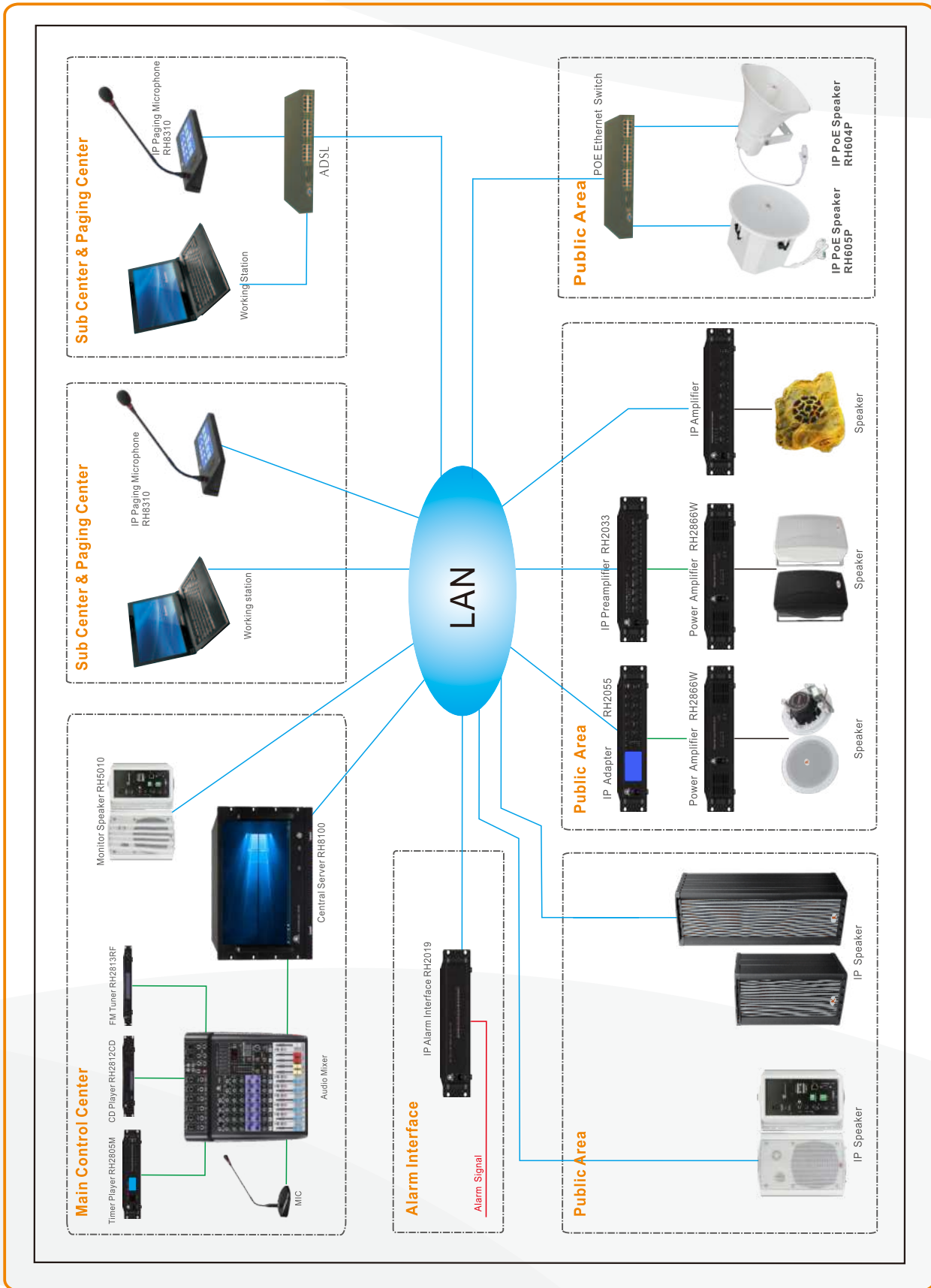
Such systems are inter-connected by the networking infrastructure and thus allow loss-less transmission to remote locations across the Internet or a local area or campus network. It is also possible to provide for multiple or relocatable transmission control stations on such a network.

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.



## IP System Connection Diagram





### 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



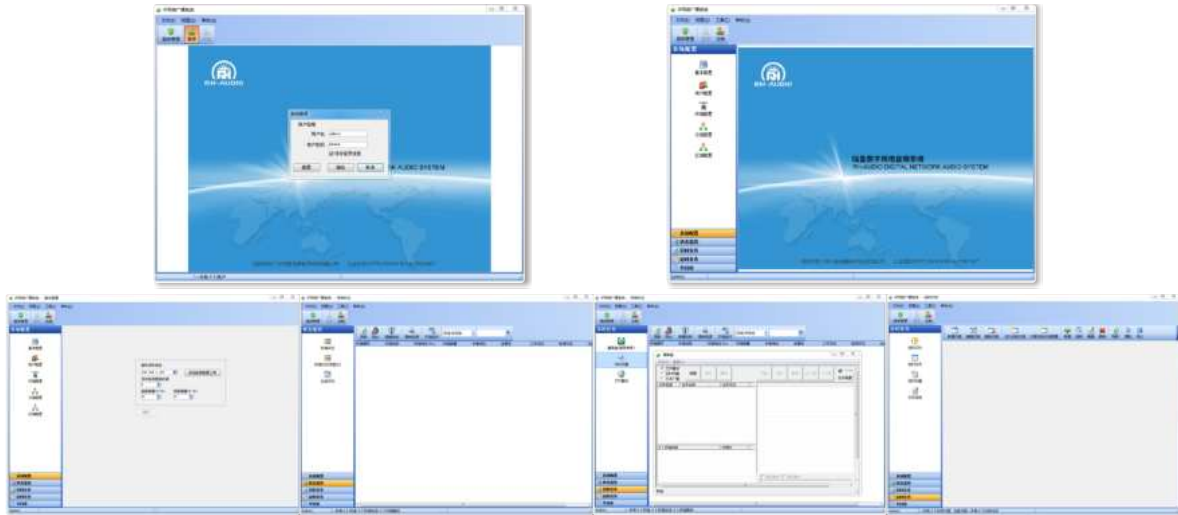
### Specifications

- ※ Model: RH8100
- ※ 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 RH8000**

**IP PA System Software**

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



**APP for Mobile Devices RH8001**

**Android Mobile APP**

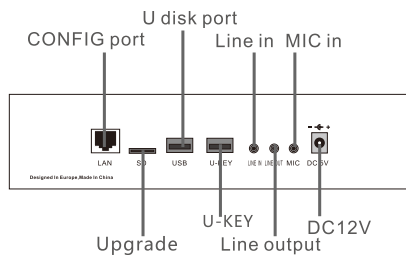
With this APP user can send on-demand request to central server and play programs to IP terminals.  
Can send voice message to IP terminals, even upload audio source from mobile devices.



### With touch-screen



### Rear Panel



### Descriptions & Features

The IP Microphone RH8310 is the core control equipment for IP public address system, could make voice announcement to individual zone, combined zones and all zones under the system.

Built-in USB player for playing music to individual zone, combined zones and all zones under the system.

Built-in loudspeaker, could realize the function of two way intercom among IP based microphones.

Desktop microphone design, 7 inch TFT LCD touch screen, humanized operation interface.

Suitable for organizations with complex inter-building distribution and scheduling needs such as government agencies, schools, factories, commercial buildings, residential areas and hospitals etc.

- ※ Internet interface: standard RJ45
- ※ Power: DC12V with power adapter
- ※ Audio bit rate: 8Kbps ~ 320Kbps Self-adaption
- ※ Frequency response: 40Hz ~ 20KHz (±3dB)
- ※ (THD@1W): ≤1%
- ※ SNR: >80dB
- ※ Sampling rate: 8K ~ 48KHz
- ※ Line in input level: 400mV (Standard 3.5mm Audio port)
- ※ Line out output level: 0.775V (Standard 3.5mm Audio port)
- ※ Built in speaker: 8Ω/5W
- ※ Audio format: MP3, ADPCM
- ※ Transmission speed: 10/100Mbps
- ※ Support protocol: ARP、UDP、TCP/IP、ICMP、IGMP( Group play)
- ※ Internet delay: ≤50ms
- ※ Base dimension: 240\*150\*56mm
- ※ Gooseneck length: 410mm
- ※ Weight: 1.45KG



Active Speaker

Passive speaker

### Specifications

- ※ Built-in 2-channel digital stereo amplifier (Class D) 8Ω 30W\*2.
- ※ 2-way speaker units with woofer 5" + tweeter 1".
- ※ With one 6.35mm MIC jack input.
- ※ Network Input: Standard RJ45 x 1
- ※ Protocol Supported: TCP/IP UDP IGMP (group broadcasting)
- ※ Rated Power: 30W x 2 (8Ω)
- ※ Audio Format: MP3/MP2
- ※ Audio Format: 16 digit stereo CD tone
- ※ Frequency Output: 20Hz~16KHz
- ※ T.H.D: ≤0.3%
- ※ Power Supply: ~110-240V 50-60Hz
- ※ Dimension (HxWxD): 242 x 182 x 162 mm
- ※ Net Weight: Active speaker 2.50 kg + Passive speaker 2.15 kg

IP Network Active Column Speaker



**RH6030**

**RH6060**

**Specifications**

- ※ Built-in D type digital amplifier.
- ※ Standard Rj45 network port.
- ※ Support protocols of UDP, TCP/IP, IGMP.
- ※ Audio format: MP3/MP2.
- ※ Frequency response: 80Hz~16KHz.
- ※ T.H.D: ≤1%.
- ※ Power supply: AC110~220V ± 10%, 50/60Hz.
- ※ Woofer unit: 5.5" x1, Tweeter unit: 1.5"x1. (RH6030)
- ※ Woofer unit: 5.5" x2, Tweeter unit: 1.5"x1. (RH6060)
- ※ Dimension: 190×175×320mm. (RH6030)
- ※ Dimension: 190×175×520mm. (RH6060)

IP Network PoE Active Speaker



**RH603P**

**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
- ※ Speaker Driver: 4.25" \*2 full range
- ※ Dimensions (mm) : 373\*152\*100mm
- ※ Material: Aluminium Alloy
- ※ Net Weight: 2.54kg



**RH604P**

**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
- ※ Dimensions (mm) : 285\*205\*280mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 2.3kg



**RH601P**

### 🔊 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
- ※ Speaker Driver: 5.25" full range
- ※ Dimensions (mm) : Ø194\*131mm
- ※ Cutting Hole (mm): Ø175mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 1.25kg



**RH605P**

### 🔊 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
- ※ Speaker Driver: 6.5" woofer, 1" tweeter
- ※ Dimensions (mm) : Ø238\*180mm
- ※ Cutting Hole (mm): Ø215mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 2.5kg



**RH602P**

### 🔊 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
- ※ Speaker Driver: 5.25" woofer, 1" tweeter
- ※ Dimensions (mm) : 285\*170\*190mm
- ※ Material: ABS enclosure, metal grille
- ※ Net Weight: 2.5kg





### 🔊 Descriptions

Widely used for any kind of public areas with complex inter-building distribution and scheduling needs such as airports, ports, universities, schools, large gathering sites, stadiums, industrial parks, parks, railways, highways, etc.

### 🔊 Specifications

- ✳️ Rack installing design with 2U height.
- ✳️ SMT circuit boards with highly stable performance.
- ✳️ Standard Rj45 network port.
- ✳️ Two controlled power outputs, power handling capacity 660W.
- ✳️ Support protocols of UDP, TCP/IP, IGMP.
- ✳️ 3 local line inputs, 2 EMC input and 5 MIC. input, MIC1 input overrides other inputs.
- ✳️ 2 line output for connecting conventional power amplifiers.
- ✳️ Individual volume controller for inputs.
- ✳️ BASS and TREBLE tone controller.
- ✳️ Audio format: MP3/MP2.
- ✳️ Frequency response: 20Hz~20KHz.
- ✳️ T.H.D: ≤0.3%.
- ✳️ S/N: >70dB.
- ✳️ Power supply: AC220V ± 10% 50-60Hz.
- ✳️ Dimension: 485 x 365 x 89 mm .
- ✳️ Weight: 6.8Kg.



With 4.3 inch touch-screen

- ※ Rack installing design with 2U alloy panel.
- ※ Embedded computer technology and DSP audio processing technology.
- ※ 70V/100V voltage and 4-16 Ohm output .
- ※ 3 MIC. inputs and 2 LINE inputs.
- ※ Individual volume controller inputs.
- ※ BASS and TREBLE tone controller.
- ※ MIC1 overrides other inputs with 0~30dB dB attenuation.
- ※ 5 LED indicators for working status.
- ※ 1 AUX output for additional amplifier.
- ※ Supports protocols of TCP/IP,UDP,IGMP.
- ※ Hifi audio balance ensure that the reduction of audio signal decoding has CD grade timbre.
- ※ Can supply 24VDC power to switch on the remote volume control in the case of emergency.

- ※ Rated power **60W/120W/240W/350W/500W/650W** available.
- ※ With one serial port for configuration.
- ※ Supports network APP and network remote control.
- ※ Supports local microphone and audio source inputs.
- ※ Special power control system, standby power less than 3W.
- ※ Highly stable performance circuit board integrated with protection circuits for output short circuit for output short circuit, overload, high temperature, and peak current limiters with a red indicator for warning on the front panel.
- ※ 100% pure copper toroidal transformers to ensure highly stable performance and long service life of the amplifier.
- ※ High quality heat sink ensures to efficiently remove heat from the transistors and dissipate it into the surrounding air.
- ※ Integrated with temperature detectors for cooling fan and protection circuit.

### Specifications

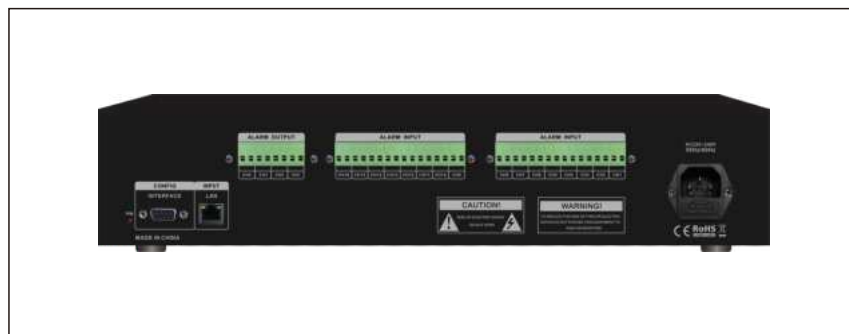
Rated Power	60W	120W	240W	350W	500W	650W
Network Port	Rj45					
Rate	100Mbps					
Protocols	TCP/IP , UDP , IGMP					
Audio Format	MP3/MP2					
Audio Mode	16 bits stereo, CD timbre					
Sampling Rate	8K ~ 48K					
Audio Bit Rate	8K ~ 512Kbps					
LINE OUT	775mV					
LINE OUT	470 Ω					
EMC Sensitivity	470mV unbalanced					
AUX Sensitivity	470mV unbalanced					
MIC Sensitivity	5~10mV unbalanced					
Treble	±12dB					
Bass	±12dB					
Power Consumption	95W	175W	350W	486W	675W	880W
Standby Consumption	< 3W					
Frequency Response	60Hz~18KHz					
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	AC220V ± 10% 50-60Hz					
Dimensions	485x365x89mm					
Wight	10.04kg	11.36kg	13.68kg	14.08kg	15.58Kg	21.50kg

### Rear Panel





### ④ Rear Panel



### ④ Descriptions & Features

The IP Alarm Interface RH2019 deals with the incoming fire alarm signal from other detection equipments then sends them out to central server for emergency declaration through the loudspeakers over the IP pa system.

- ※ Rack installing design with 2U height.
- ※ Standard RJ45 network port.
- ※ 16 inputs for fire alarm signals.
- ※ 16 LED meters for indicating alarm status.
- ※ 4 channels of alarm outputs.

### ④ Specifications

- ※ Power supply: AC220V  $\pm$  10% 50-60Hz.
- ※ Stand by power consumption  $\leq$  1W.
- ※ Alarm input: 16 channels.
- ※ Alarm output: 4 channels.
- ※ Support protocols: UDP, TCP/IP, IGMP.
- ※ Audio bit rate: 8Kbps~320Kbps
- ※ Sampling rate: 8K~48KHz
- ※ Audio format: MP3
- ※ Transmission rate: 10/100Mbps.
- ※ Net delay:  $\leq$  50ms
- ※ Working environment temperature: 5°C ~ 40°C.
- ※ Working environment humidity: 20% ~ 80%.
- ※ Dimension: 485 x 365 x 89 mm.
- ※ Weight: 6.5 Kg.

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