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### **5 Zone USB/BT/FM/AM/RDS/DAB/DAB+ Mixing Amplifier**

- ※ Built-in radio modules supporting FM/AM/RDS/DAB/DAB+.
- ※ Built-in Bluetooth receiver and USB player.
- ※ 70/100-volt and 4/8 ohms( $\Omega$ ) output loads.
- ※ 5 Zones 100V speaker outputs with separate switch ON/OFF & LED indicator.
- ※ Powerful amplifier tubes.
- ※ Five 48V Phantom Power sockets support unbalanced 6.35mm jack or balanced XLR jack.
- ※ Mic 1 has priority over the inputs with 0~30dB dB attenuation.
- ※ 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.

#### **Descriptions of 5 Zone USB/BT/FM/AM/RDS/DAB/DAB+ Mixing Amplifier**

The **RH-AUDIO** 5 Zone USB/BT/FM/AM/RDS/DAB/DAB+ Mixing Amplifier provides the 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.

Designed with a 2U height housing including removable rack mounting brackets, and overall 70/100-volt and 4/8 ohms( $\Omega$ ) loads and featured an industry leading 5 zoned 100-volt load solution.

A variety of audio source options have been engineered into these amplifiers including MP3 player of connecting an external USB drive, wireless Bluetooth receiver, five microphone interfaces, and two aux RCA ports.

120/240/350 watts of amplifier power is 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 the front panel, and each zone has its own LED indicator, shall light green for on.

Built-in CHIME and SIREN circuitry with push button and volume control on front panel. Microphone input (MIC1) fitted on front panel features muting function by overriding the other inputs of MIC2,MIC3 AUX1,AUX2 with 0~30dB attenuation.



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### Specifications of 5 Zone USB/BT/FM/AM/RDS/DAB/DAB+ Mixing Amplifier

Model	RH-MD120W	RH-MD240W	RH-MD350W
Rated Power	120W	240W	350W
Compatible Media Source	USB / BT / RDS / FM / AM / DAB / DAB+ / AUX		
Output Mode	Low impedance: 4/8ohms ( $\Omega$ ), Voltage line:70V( 81.7 ohms), 100V(166.7ohms)		
MIC Input	Three 48V Phantom power jacks and three 6.35mm jacks		
LINE Input	LINE:10k ohms( $\Omega$ ) 300mv,unbalanced		
LINE Output	0.775V (0 dB)		
Frequency Response	60Hz~15kHz( $\pm$ 3dB)		
THD	<0.5% at 1kHz,1/3 rated power		
S/N	Line:80 dB , MIC:<75 dB		
Tone	BASS:100 Hz ( $\pm$ 10 dB) , TREBLE:12k Hz ( $\pm$ 10 dB)		
Cooling	DC 12V FAN		
Fuse	AC FUSE x 2A	AC FUSE x 4A	AC FUSE x 6A
Power Cable	(3 $\times$ 0.75 mm ) $\times$ 1.5M (standard)		
Power Supply	AC 220V $\pm$ 10% 50-60Hz (Optional)		
Power Consumption	185W	350W	485W
Dimension	89(H) $\times$ 430(W) $\times$ 340(D)mm		
Net Weight	8.50Kg	11.50Kg	12.50KG



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