

HN-5120R/HN-5240R/HN-5300R Compact Class-D Mixer Amplifier With Audio Source And Paging Station

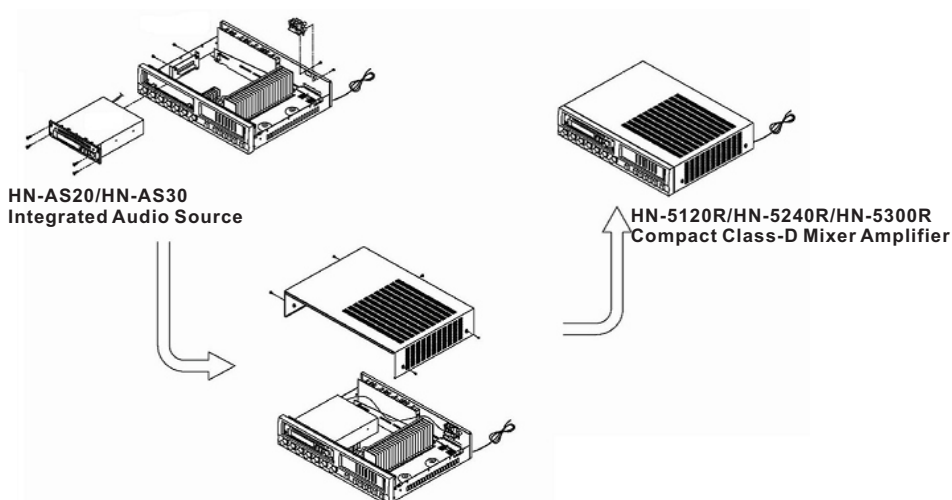


HN-Series amplifier is a highly compact Class-D mixer amplifier solution featuring integrated audio source, 5 zone selectors, volume control for each input, equalizer and 5-zone paging station. With precise understanding of the needs of simple applications, HN-series not only provide stable performance of Class-D amplifier, but also increase value from the utilization of each function.

Features

- 3-level priority with mute function
- Advanced protection system includes current limiting, over current and thermal protection
- 7 band graphic equalizer
- Extendable by adding audio mixer and power amplifier with LINK and PRE-AMP
- Compact size and light weight
- 5-zone remote paging microphone
- Telephone paging input and dry contact of chime

Connection Diagram



Technical Specifications

Parameter	Value
Input Sensitivity for full output at maximum gain	
Balanced Microphone Channels	-50 dB \pm 3 dB
Balanced Line Channels	-6 dB \pm 3 dB
Balanced Remote Microphone Station(RCA jack)	-50 dB ~ -6 dB \pm 3 dB (-30 dB ~ 14 dB \pm 3 dB)
Balanced TELE- PAGING/MIC Input	-40 dB ~ 0 dB \pm 3 dB
Unbalanced Link-In	-17 dB \pm 3 dB
Unbalanced Amp-In	0 dB \pm 3 dB
Unbalanced Remote Microphone Paging Station	+18 dB \pm 3 dB
Frequency Response	
At 1 W from speaker out tap. 100 Hz~10 kHz	+1.5 dB / -3 dB
Graphic Equalizer	
125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz	\pm 12 dB \pm 3 dB
Signal to Noise Ratio at rated power output	> 75 dB
Crosstalk at all control maximum	-60 dB at 1 kHz
Output Power at THD 0.5%	HN-5120R:120W HN-5240R:240W HN-5300R:300W
Total Harmonic Distortion(THD) at 1 kHz rated power	< 0.5%
Phantom Power	15 VDC

Power Band Width at 1 kHz from speaker out tap	80 Hz ~ 15 kHz with less than 0.5% THD
Operating Temperature/Humidity at non-condensing	0 ~ 40 °C at 95% humidity
Output Voltage and Impedance	
8 Ω	HN-5120R:31 V HN-5240R:44 V HN-5300R:49 V
70 V	HN-5120R:40.8 Ω HN-5240R:20.4 Ω HN-5300R:16.3 Ω
100 V	HN-5120R:83 Ω HN-5240R:41.6 Ω HN-5300R:33.3 Ω
Construction	
Cooling	Convection Cooled
Dimensions (W x H x D)	420 x 88 x 320 mm
Net Weight	HN-5120R:9.76 kg HN-5240R:10.5 kg HN-5300R:10.93 kg

Ordering Information

Description	Ordering Information
HN-5120R/HN-5240R/HN-5300R Compact Class-D Mixer Amplifier With Audio Source And Paging Station	HN-5120R/HN-5240R/HN-5300R

HoneywellAudiovisuals

No. 257, Junye Road
Guangzhou GETDD East
510530 China

Tel: +86 20 2839 9600
Fax: +86 20 2820 8706
www.honeywellav.com

1010502049_EN1.5

Feb 2014

©2014 Honeywell International Inc.