

HN-5120R

COMPACT CLASS-D MIXER AMPLIFIER

- 3-level priority with mute function
- Advanced protection system includes current limiting, over current and thermal
- 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



PRODUCT DESCRIPTION

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

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Technical Specification

Input Sensitivity for full output at maximum gain

Balanced Microphone Channels 1-5	-50 dB ± 3 dB
Balanced Line Channels	-6 dB ± 3 dB
Balanced Microphone Channel 6	-50 dB ~ -6 dB ± 3 dB
RCA Jack	-30 dB ~ 14 dB ± 3 dB
Balanced TELE- PAGING/ MIC Input	-40 dB ~ 0 dB ± 3 dB
Unbalanced Link-In	-17 dB ± 3 dB
Unbalanced Amp-In	0 dB ± 3 dB
Balanced Remote Paging Station	+18 dB ± 3 dB

Frequency Response

At 1 W from speaker out tap. 100 Hz~10 kHz	+1.5 dB / -3 dB
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Graphic Equalizer

125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz	±12 dB ±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%	120W

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

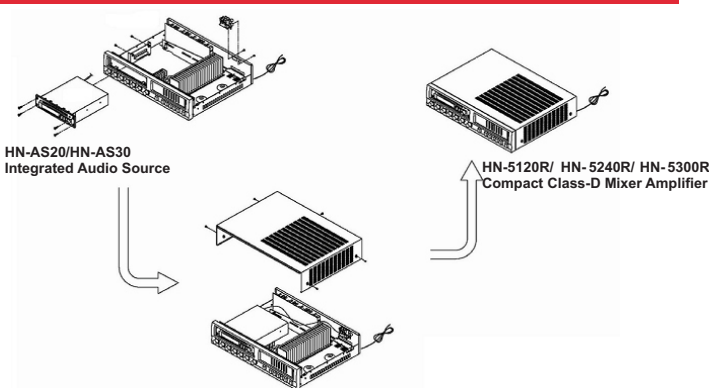
Output Voltage and Impedance

8 Ω	31 V
70 V	40.8 Ω
100 V	83 Ω

Construction

Cooling	Convection Cooled
Dimensions(WxHxD)	420 x 88 x 320 mm
Net Weight	9.76 kg

Connection Diagram HN-5120R



For more information,

<https://honeywellbuildings.in>

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Ordering Information

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