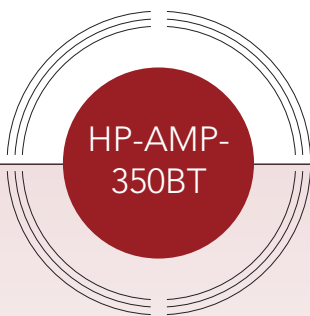




HIGH PERFORMANCE POWER AMPLIFIER

COMMERCIAL AUDIO AMPLIFIER WITH
BUILT-IN MP3 PLAYER AND INTERNAL
CIRCUIT PROTECTOR FOR LOUDSPEAKERS



- Clean High-Fidelity Audio Amplification
- 6 - 70 Volt Channel/Zones, High Power Mixer Amplifier
- 6 Fader controls for the volume levels.
- Excellent Channel Separation and Low Distortion
- Soft Clip Limiter Protection
- Temperature Controlled High Efficiency Fan Cooling
- MIC 1 Priority with Mute Function
- Master Volume Control, Treble and Bass Adjusters
- Built-In MP3 Player and Bluetooth® SD CARD
- Short-Circuit, Over Heating, DC Offset and Limit Protection
- 4-16Ω, 70V, 100V Outputs Mounted on Binding Posts, Zone Outputs on Screw Terminals
- Toroidal Output Transformers Provide Extended High Frequency Response and Effectively Lowers the Electrical Interference
- Priority Override Gain Control

General Description:

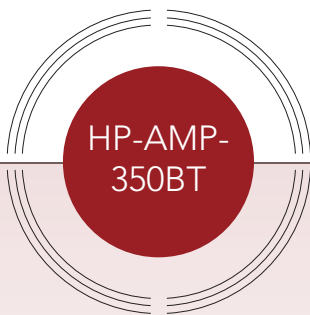
The OWI HP-AMP-350BT is a 6 channel, high power mixer amplifier with built-in MP3 player and Bluetooth. Front panel mounted indicators provide status of signal present, limiter operation, and protection circuit operation. Front panel mount input channel volume controllers, Treble and Bass controllers, Master volume controllers, zone volume controllers, Mp3 player display and keys. Rear panel mount MIC/LINE, MIC/AUX, AUX/MP3 selectors and MUTE control. In addition to having rear mounted inputs and outputs for permanent installations.

Applications:

The OWI HP-AMP-350BT is the perfect choice for distributed paging/BGM music systems, and distributed sound applications anywhere clean high-fidelity audio amplification is needed.



HP-AMP-350BT Backside



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HP-AMP-350BT Front



HP-AMP-350BT Backside

Specifications:

MODEL NUMBER	HP-AMP-350BT
Description	6 Source, High Power Mixer Amplifier with Built-In MP3 Player, USB Input & Bluetooth®
Power Outputs	
4 Ω , 1 kHz, 0.1% THD	340 Watts
8 Ω ,	210 Watts
16 Ω , 1 kHz, 0.1% THD 100 Watts	115 Watts
70 V	350 Watts
100 V	360 Watts
Frequency Response	50 Hz – 16 kHz (+3dB)
THD+N	
8 Ω , 1 kHz, 350 Watts per Channel	< .05%
Sensitivity	
Rated Output into 8 Ω	1.25 V
Voltage Gain	32 dB
Input Impedance	
Balanced	20 k Ω
Unbalanced	10 k Ω
Inputs	6 Total
XLR	Up to 3
1/4 Phono	Up to 2
RCA Jacks	2
XLR	Input 1 - MIC Only, Input 2&3 Mic or Balanced Line
1/4 Phono	Input 2&3 Mic or Balanced Line
RCA Jacks	Stereo Jacks
USB	1
SD Card	1
Bluetooth®	1
Damping Factor	
8 Ω Output, 10 Vrms	>200 dB
S/N Ratio	
8 Ω per Channel @ 210 Watts	>100 Db
Protection Circuits	
Output Offset Voltage Protection	Yes
Heat Sink Overheat Protection	Yes
Transformer Overheat Protection	Yes
Load Shorting Protection	Yes
Power On/Off Protection	Yes
Soft Clip Limiters	Yes
Controls	
Ch 1 / Ch 2 Gain 30 Step	Yes
Power Switch On/Off	Yes
8-16 Ω / 70 V / 100 V	Yes
Full Frequency	Yes

Cooling

Dual Speed Fan, Temp. Controlled	Yes
Indicator LEDs	Power, Signal, Limi
Power Consumption	
Idle	0.41 A, 38 Watts, 130 BTU
Average	2.4 A, 291 Watts, 992 BTU
Max	7.3 A, 876 Watts, 2989 BTU

Architect & Engineer Specifications:

OWI HP-AMP-350BT Commercial Audio, 6 Channel, High Power Mixer Amplifier with Built-In MP3 Player and Bluetooth®. At 8 Ω , 1 kHz, it shall deliver 210 Watts. At 70 V, 1 kHz, it shall deliver 350 Watts. At 100 V, 1 kHz, it shall deliver 360 Watts. The amplifier shall have internal circuits to protect itself from output short circuits and thermal overload and will protect attached loudspeakers from amplifier failure and DC voltages. A variable speed fan shall provide heat sink cooling. Front panel indicators to include signal present, limiter, and protection LEDs. Mic and Line input terminations shall be balanced on 6.35 mm TRS or XLR female connectors. Aux input terminations are RCA connectors. Loudspeaker outputs shall be of the binding posts and screw terminals. Dimensions are 3.9" x 19" x 15.7" (100mm x 483mm x 400mm).

Also Available from OWI: High Power Dual Channel Amp



HP-AMP-2400 – High Power Dual Channel Amplifier with Independent Internal Power Supplies, Providing Excellent Channel Separation and Low Distortion.



OWI Incorporated
17141 Kingsview Ave.,
Carson, CA 90746 U.S.A.
ph.: 310.515.1900
email: info@owi-inc.com



www.owi-inc.com

Specification sheets available for download
owi-inc.com

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