

HP-AMP-250BT

HIGH PERFORMANCE POWER AMP

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



- Clean High-Fidelity Audio Amplification
- 6 Channel, High Power Mixer Amplifier
- Excellent Channel Separation and Low Distortion
- DC24V Backup Power Supply
- Soft Clip Limiter Protection
- Temperature Controlled High Efficiency Fan Cooling
- MIC1 Priority with Mute Function
- Main Volume Control, Treble and Bass Adjusters
- Power, Signal, Peak and Fault Indication / 5-Segments Signal Level Indication
- Built-In MP3 Player for USB, SD Card and Bluetooth®
- 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
- Power-Up Muting

General Description:

The OWI HP-AMP-250BT is a 6 channel, high power mixer amplifier with built-in MP3 player, USB input, and Bluetooth. A DC24V connector for backup power supply, providing excellent channel separation and low distortion. 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-250BT is the perfect choice for distributed paging/BGM systems, foreground music systems, and distributed sound masking applications. Also perfect for night clubs, theaters, portable sound systems, and anywhere clean high-fidelity audio amplification is needed.



HP-AMP-250BT Backside and Remote

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Apple is under license.

OWI
ESTABLISHED 1978



HIGH PERFORMANCE POWER AMPLIFIER

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

Specifications:

MODEL NUMBER	HP-AMP-250BT
Description	6 Channel, High Power Mixer Amplifier with Built-In MP3 Player, USB Input & Bluetooth®
Power Outputs	
8 Ω, 1 kHz, 0.1% THD	200 Watts
16 Ω, 1 kHz, 0.1% THD	100 Watts
70 V	220 Watts
100 V	250 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 kΩ
Unbalanced	10 kΩ
Inputs – 6 Total	
XLR	Up to 3
1/4 Phono	Up to 5
RCA Jacks	Up to 3
USB	1
SD Card	1
Bluetooth®	1
Damping Factor	
8 Ω Output, 10 Vrms	>200 dB
S/N Ratio	
8 Ω per Channel @ 350 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
Power Switch On/Off	Yes
8-16 Ω / 70 V / 100 V Selector	Yes
Full Frequency / Subwoofer Selector	Yes
Cooling	
Dual Speed Fan, Temp. Controlled	Yes
Indicator LEDs	
	Power, Protect, Signal, Limit
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
Dimensions (H x W x D)	3.9" (100mm), 19" (483mm), 11.8" (300mm)



Architect & Engineer Specifications:

The amplifier shall be OWI HP-AMP-250BT commercial audio, 6 channel, high power mixer amplifier with built-in MP3 player, USB input, and Bluetooth®. At 8 Ω, 1 kHz, it shall deliver 200 Watts. At 70 V, 1 kHz, it shall deliver 220 Watts. At 100 V, 1 kHz, it shall deliver 250 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 shall be RCA connectors. Loudspeaker outputs shall be of the binding posts and screw terminals. DC 24 V screw terminals on rear panel for connecting a DC 24 V battery, as a backup power supply. Dimensions shall be 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
toll free: 800.638.1694
fax: 310.515.1606
email: info@owi-inc.com



www.owi-inc.com
Specification sheets available for download
owi-inc.com

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.



rev 111920