



1U Slim 250 Wattle Amplifier

IWA-250

SKU: 1828

The third component in the in-wall subwoofer system is the IWA-250 switch mode amplifier: a slim, powerful dedicated design in a heavy-duty 1U rack mount case. Delivering up to 250 watts into 4 ohms, a single IWA-250 will power single or dual IWS-10s to provide higher power levels for larger rooms or to meet customer demands. The IWA-250 can be configured to switch on automatically using input signal sensing, or by using the preferred 12v trigger link from an AVR or system source. The IWA-250 will then automatically be switched on and off with the AVR, TV or system remote control handset.

The amplifier utilises a cool running Class D power stage driven by a PWM supply with integrated DSP. Filtering and functionality are controlled in the software for precise and reliable operation. The IWA-250 offers a choice of single LFE, balanced XLR and stereo RCA inputs. Output connection is made via two sets of push type terminals to provide connection to one or a pair of IWS-10 drivers. The front panel allows access to all control features for easy adjustment when fitted into a rack bay. An EQ switch offers a selection of music, movie and impact presets for the ideal response in-room. There is also an enclosure switch to calibrate the drive characteristics when the IWS-10 is used within or without the IWB-10 back box.

Features

- Rigid, high quality steel case
- Switch mode power supply
- Class D power amplifier delivering up to 250watts into 4ohms (dual IWS-10 drivers)
- High efficiency design resulting in cool running - low thermal output
- DSP controlled with advanced limiters
- <0.5watt standby power consumption (ErP certified)
- DC short circuit protection, over-current and thermal protection

Specifications: System Format Active sub-woofer amplifier Low Frequency Limit 25Hz Upper Frequency Limit Variable 40 - 120 Hz @ 24dB/Octave Amplifier Power Output 250W @ < 1% THD+N Drive Unit Parameters 4 - 8 Ohm Nominal Impedance Amplifier Classification Class D amplifier with Switch mode power supply (SMPSU) Cabinet Switch For use when using the dedicated back box EQ Switch Music/ Movie/ Impact Phase Control 0 & 180 degrees Auto Sensing Line Level > 3.5mV Input Level Requirements Standby after approximately 15 minutes if no signal sensed Input Impedance > 20K Ohms Mains Input Voltage: AC 110 - 120 V ~ 50/60Hz; AC 220 - 240 V ~ 50/60Hz (Factory Region Preset) Dimensions (H x W x D) 43.7 x 432 x 263mm; 1 3/4 x 17 x 10 3/8 Inch Connections LFE in (Stereo RCA and Balanced), 12v Trigger in (3.5mm mono mini-jack), left and right speaker output 12v Trigger Input 5 - 12v via 3.5mm mono mini-jack socket Power Consumption: Standby: < 0.5W (ErP approved); Typical Idle: < 10W; Max Rated: 200W Weight (unpacked 4Kg (8lb 12oz