



iwSA 500

TANNOY®



iwSA 500



Product Description

The iwSA 500 is a single channel BASH® power amplifier specifically designed to deliver 500 watts (max) of optimally matched power to the Tannoy iw62 TS in-wall subwoofer.

By augmenting the low frequency output of a full range installation, with a continuous power handling of 200W RMS, the iw62 TS subwoofer is capable of delivering impressive results in large domestic installations, and well as commercial applications such as small venues, restaurants, bars, public buildings and business music systems.

The subwoofer unit is unique in that it can operate in either passive or active mode, selectable by a switch on the baffle, and mono or stereo mode, by means of link wires on the circuit board. In active mode, the use of an external controller allows low frequency extension and equalization to be applied, and the crossover point to be tailored to the rest of the system and room.

With front mounted control of level, phase and a continuously variable crossover, adjustable from 50Hz – 150Hz, the iwSA 500 amplifier will therefore offer all the control needed to optimise the integration of this subwoofer system with the mid / high units, regardless of the installation positions.

Audio input is via 2 x unbalanced RCA's, outputs are 4 x gold plated binding posts, while other controls include crossover bypass switch, limiter function switch for one or two sub configurations and sleep mode defeat switch.

The 2U iwSA 500 casing mounts directly into a standard EIA 19" rack or the brackets can be removed for shelf location with no ventilation issues.

Features

- 500 Watt (Max) power.
- 19" rack mountable
- Limiter function - switchable one or two subs
- Gold plated RCA inputs
- Gold plated binding post speaker outputs
- Adjustable crossover frequency
- Variable phase adjustment
- Crossover bypass switch
- Sleep mode after 20-30 minutes
- FCC & CSA/C/US approvals

Applications

- Home theater surround sound
- Boardrooms & offices
- Business music systems
- Reception / waiting rooms
- Retail outlets / shopping malls
- Lounges / bars
- Cruise ships

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TECHNICAL SPECIFICATIONS

System	iwSA 500
Maximum Output Power ^{(1) (2)}	500 Watts continuous into 4 Ω 250 Watts continuous into 8 Ω
Minimum Nominal Load Impedance	4 Ω
Distortion	<1% @ maximum rated output
Minimum Frequency Bandwidth	20Hz - 500Hz (no filters or EQ)
Input Impedance	>20 kΩ
Current Draw at 4 Ω	5 amps

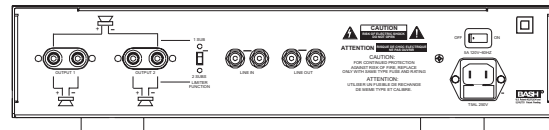
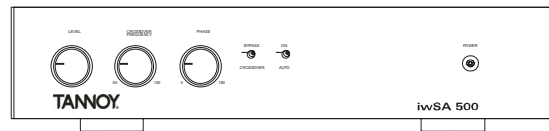
Front Panel	
Level Control	Adjusts input signal level
Crossover Frequency Adjustment	50Hz - 150Hz
Phase Control	0° - 180° continuously variable
Crossover/Bypass Switch	Engages / disengages low pass filter
On/Auto Switch	On continuous / sleep mode
Power On Indicator	Blue LED

Rear Panel	
Input Connectors	2 x RCA
Link Connectors	2 x RCA
Output Connectors	4 x Gold plated binding postings
Mains Voltage Connector	120 Volt IEC - 2 conductor
Mains Voltage Fuse Holder	T5AL, 250 Volt

Rear Panel Switches	
Power Switch	
Limiter Function	Switchable 1 sub or 2 subs

Notes
⁽¹⁾ Thermal protection may occur at high continuous power.
⁽²⁾ Depending on configuration, output power may be lower due to limiting circuit.

Physical	
Enclosure	16 gauge CRS
Safety Features	Thermal protection Auto shut down when internal fault is detected
Mounting	Ears for 19" rack mounting
Approvals	CSA C/US and FCC
Dimensions incl. feet and ears	99 x 483 x 372mm (8.19 x 2.81 x 17.5)
Net Weight (ea)	6.8 kgs (15 lbs)
Shipping Weight (ea)	8.6 kgs (19 lbs)



Ordering Information

Item number	Item name	Packaging Quantity	Gross Weight	Gross Depth	Gross Width	Gross Height
8000 4650	iwSA 500	1	8.6 kgs (19 lbs)	372mm (17.5")	483mm (21.19")	99mm (8.19")

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