

DMB2450 - DUAL MONOBLOCK POWER AMPLIFIER

Topology	Class-AB
Channels	2
RMS Output Power 4Ω SCD (Single Channel Driven) 8Ω SCD 4Ω BCD (Both Channel Driven) 8Ω BCD	550W 270W 500W 250W
Head-Room Output Power 4Ω BCD 8Ω BCD	660W 325W
Frequency Response	10Hz - 45kHz(+1db)
Signal to Noise Ratio	> 118dB
THD+N. 4Ω, 8Ω. 1kHz	< 0.05% (-1dB)
Minimum Recommended Load Impedance (per channel)	4 Ω (which equals one 4Ω load or two paralleled 8Ω loads).
Damping Factor (8 Ohm load)	>= 1211.
Input Sensitivity (for rated power; 8 Ohm load)	1/1.5V. Switchable gain only on RCA input , switch at back panel
Gain	42/28 dB.
HPF	Selectable - Full bandwidth or -12db Roll off at 20hz, switch at back panel
Input Impedance	33 KΩ
Source Selector	A toggle switch is provided in Back panel To select between RCA and XLR
Input Connections	Unbalanced (RCA) & XLR one each per channel
Speaker Output Connections	Audiophile grade 5-way binding posts.
Power Requirements	230 VAC @ 50 / 60 Hz
Status LEDs	4 per channel; GREEN, YELLOW, RED & RED. Green - Lights up at -10db Output Yellow - Lights up at 0db Output Red -Lights up at Clipping Red - Lights up to indicate a fault condition.
AC Power switch	Rocker switch (switches AC main power).
Trigger	12V Trigger For amplifier Standby Feature , connector provided at back panel
Speaker A & B Switching	Two Push Button Switches to Select Speaker A OR B OR Both A & B Switch one on - Speaker A Will be selected, Switch 2 on - both A & B will be selected, the user has to ensure that the load (Speaker Impedance) never reaches below 4 Ohms during parallel Operation at any frequency (i.e Both Speaker A & B being played together). Below 4ohms the amplifier might malfunction or go into protection mode.
Protection	DMB2450 is protected against excessive operating temperature, shorted speaker connections, ground faults.
Dimensions	17.5" wide x 6" high x 19" deep (not including connectors and feet).
Weight	90LBS (unboxed)
Warranty	3years(**** The Device will be serviced at Factory in Pune)

Notes *****

The amplifier should be turned off while changing the speaker cables, input RCA or XLR, gain switch to be toggled with the amp turn off. The user has to ensure that no spurious signals/oscillations' is injected in the Amplifiers input via preamplifier , streamers or other devices, good quality RCA & XLR cables are a must as this is a high power amplifier and any inconsistency in signal levels will be amplified and may cause damage.

The above mentioned specifications are indicative only actual measurements may vary based on test equipment and test conditions.