

DH 52

DESCRIPTION :

The DH series is our range of digital hybrid stereo power amplifiers designed to deliver high efficiency, definition, dependability and incredible sonic punch in a wide variety of live, touring, DJ, PA and installation applications.



FEATURES :

- Innovative "Tracking Class D" (TD) circuit design to deliver high drive, definition and dependability.
- Delivers efficiency of Class D technology with the sonic punch of class AB amplification.
- Tamper-proof dip switches for finely-graded sensitivity selection.
- Sensitivity range of 26dB to 47dB (+3dB increments) to connect versatile input devices and loudspeaker types.
- High-current toroidal transformers with high-endurance cores for superior transient response.
- 3 switchable operational modes: stereo, parallel, and bridge.
- Low THD and high damping factor for excellent sound quality.
- Built-in limiter circuit for speaker protection from damage due to distorted input signals.
- Protection devices: temperature, VHF, DC, short circuit, soft-start and overload.
- Intelligent cooling and heat dissipation using dual variable speed CFM fans.
- 3-colour LED bargraph to indicate power ON, signal (5-segments), limit and protect status.
- Audio-grade balanced XLR input connectors.
- High-performance Speakon and binding post output connectors.
- Wide mains voltage operation 150-240V AC.
- Minimum wiring and standardised layout for easy serviceability.
- Ideal for a wide variety of live, touring, DJ, PA and installation applications.

SPECIFICATIONS :

Series	DH Series
4 Ohm (True RMS), 20Hz-20kHz, 1% THD	2 x 1800 W
8Ohm (True RMS), 20Hz-20kHz, 1% THD	2 x 1200W
8Ohm (True RMS), 20Hz-20kHz, 1% THD	3600W
Gain Sensitivity Selection	26dB to 47dB, Increment of 3dB, Total 8 Switches

Frequency Response (Hz)	20-20 (± 0.5 dB)
THD+N @ Rated Power, 4Ohm Load, Single Channel	< 0.1%
Signal to Noise Ratio	< 100dB
Cross-talk	< 70dB @ 1kHz
Input Impedance	20KOhm Balanced, 10KOhm Unbalanced
Damping factor	>400:1
Protection	Temperature, VHF, DC, Short Circuit, Soft-Start, and Overload
Input Connector (Per Channel)	XLR
Output Connector (Per Channel)	Speakon & Binding Post
Dimension (W x D X H) mm	483 x 410 x 88 (2U)
Weight (Kg)	23

Specifications from the official SM Professional literature. Issued for customer reference.