



Model No. FX5002

Part No. 11-5002-008

DATASHEET

APPLICATION

- Bars, Pubs, Clubs
- Entertainment Venues,
- Theatres
- Houses of Worships, Exhibition Centers

Key Features

- 1200*2 watts at 4 Ohms Power Amplifier
- Flow-through air path and solid aluminum Heat sinks for maximum cooling
- Class H topology, the FX Series ideal for live sound / production applications.
- Front panel LEDs indicate status of switch settings
- Parallel XLR/M connectors for input connectivity
- Neutrik Speakon® for outputs connectivity
- 2 year warranty, plus optional 2 year extended service contract
- Linear Class H output circuit offer double the typical efficiency of Class B, reducing AC current consumption and cooling requirements



Product Description

DAT Audio FX Series SMPS power Amplifier offers you a stunning 2400 watts RMS power at 4 ohms. It is a stable amplifier with high sonic quality and suitable for large concerts, stadiums, indoor and outdoor mobile gigs as well Extensive Protection Circuitry including overpressure, over-current, short circuit, over-temperature, clip limiter, so as to prevent damage caused by man-made and environmental factors ensures high quality performance year after year.

PECIFICATIONS	FX5002	FX6002	FX8002
2 Channel Models	<i>OUTPUT POWER PER CHANNEL, STEREO MODE, both channels driven</i>		
8Ω EIA 1 kHz 1% THD	500 W	600 W	800 W
4Ω EIA 1 kHz 1% THD	700 W	900 W	1200 W
	<i>OUTPUT POWER, BRIDGE MONO MODE</i>		
8Ω EIA 1 kHz 1% THD	1500 W	1800 W	2400 W
Typical Distortion (20 Hz–3 kHz, 3 dB below clip, or 20 Hz–5 kHz, 10 dB below clip, or 20 Hz–20 kHz, 20 dB below clip) 8 ohms 4 ohms 2 ohms	0.002-0.01% 0.005-0.01% 0.02%		0.01-0.03% 0.03-0.06% 0.1%
Maximum Distortion (20 Hz–20 kHz, 1 dB below rated power) 4 to 8 ohms	0.05%		0.2%
Frequency Response (8 ohms)	20 Hz–20 kHz, ±0.2 dB		
Noise (20 Hz–20 kHz, 32 dB Gain)	-106 dB	-105 dB	-104 dB
Dynamic Headroom (4 ohms)	2 dB		
Damping Factor (8 ohms)	500		200
Output Circuitry	Class H (2-tier)		Class D
Input Sensitivity 26 dB Setting 32 dB Setting	3.28V 1.60V	3.92V 1.96V	5.27V 2.67V
Maximum Gain (1.2V setting)	34.5 dB	36.4 dB	39.1 dB

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Maximum Input Level 1.2V setting 32 dBu setting 26 dBu setting	11 V (+23 dBu) 14.6 V (+25.5 dBu) 25 V (+30 dBu)		10 V (+22 dBu) 22 V (+29 dBu) 25 V (+30 dBu)
AC Power Requirements ** 120V 50/60 Hz 230V 50 Hz	8.5 A 7.5 A	12 A 7 A	18 A 11 A
Cordset 120V 50/60 Hz 230V 50 Hz	NEMA-15 CEE 7/7 16A		NEMA L5-30P CEE 7/7 16A
Chassis Power Connector All Voltages	20A Power on		32A PowerCon
	ALL MODELS		
Input Impedance	> 10 kΩ balanced, or unbalanced		
Cooling	Variable-speed fan, rear-to-front air flow		
Connectors (each channel)	Input: XLR Female and 3-pin Output: Neutrik Speakon® (ch 1 wired to both channels)		
Front Controls	AC power switch Gain controls, 20 detents, 1 dB steps (each channel)		
Amplifier and Load Protection	Short circuit, open circuit, thermal, RF protection. On/off muting, DC fault shutdown, active inrush limiting		
Dimensions	Height: 3.5" (8.9 cm) 2RU Width: 19" (48.3 cm) Depth: 15.63" (39.7 cm) from front mounting rails		
Weight	(10 kg) Shipping Weight (14.3 kg)		