

Two Channel Amplifiers

FTX-1501 MOS-FET AMPLIFIER



Ashly's FTX Series III power amplifiers are world renowned for both their excellent sound and rugged reliability. In addition to offering the classic sonic excellence and reliability of Ashly's past designs, the FTX Series III amps offer complete compatibility with Ashly's optional Powercard input modules. The FTX Series III models utilize Ashly's proven output stage design, consisting of the latest generation of paralleled power MOS-FETs for current gain. Both models feature improved thermal dissipation and increased performance with extremely low distortion when driving reactive loads like loudspeakers. Protection against DC or ultrasonic signals appearing at the outputs has been incorporated into the design, and output relays have been added to provide turn-on delay. The FTX-1501 puts out 185 watts and 275 watts into eight and four ohms, respectively. Additionally, it may be used as a 70V amplifier, delivering 550 watts without the need for transformers. The top-of-the-line FTX-2001 delivers a full 300 watts per channel at eight ohms, 475 watts into four, and 550 watts when confronted with a true two ohm load. All models may be mono-bridged, at a power rating of twice their four ohm per channel capability. The unmatched reliability of power MOS-FET technology, combined with the integrity of Ashly's rugged mechanical design, ensures many years of trouble-free service. The FTX-1501 and FTX-2001 models are *THX™ approved for use in cinema and home theater applications. All Ashly FTX amplifiers are U.L. listed, and are covered under our exclusive Five Year Worry-Free Warranty program, offered at no extra cost to the user.

FEATURES:

- Turn-on Delay
- Fuseless Short Circuit Protection
- U.L. Listed
- MOS-FET Output Devices
- Class-A Full Complementary Front End
- Modular Construction
- XLR, 1/4", and Barrier Strip Inputs
- Stereo, Parallel Mono & Bridging Modes
- LED Level Meters
- Forced Air Cooling
- Perfect Overload and Square Wave Response
- Stable Into Any Load
- Self Protecting Under Virtually All Conditions
- Input Transformers Optionally Available
- PowerCard Input Option Ready



FTX-2001 MOS-FET AMPLIFIER



FTX AMPLIFIER SPECIFICATIONS:

Output power (per channel, both channels driven at 1kHz, <0.1% THD):

FTX-1501:
 8 ohms: 185 Watts RMS
 4 ohms: 275 Watts RMS
 2 ohms: 275 Watts RMS
 8 ohms, bridged mono: 550 Watts RMS
 4 ohms, bridged mono: 550 Watts RMS

FTX-2001:
 8 ohms: 300 Watts RMS
 4 ohms: 475 Watts RMS
 2 ohms: 550 Watts RMS
 8 ohms, bridged mono: 950 Watts RMS
 4 ohms, bridged mono: 1100 Watts RMS

FTC Continuous power (per channel from 20Hz–20kHz, <0.1% THD):

FTX-1501:
 8 ohms: 175 Watts RMS
 4 ohms: 250 Watts RMS

FTX-2001:
 8 ohms: 250 Watts RMS
 4 ohms: 400 Watts RMS

Frequency response: 20Hz–20kHz, ±0.2dB; 8Hz–100kHz, ±3dB

Total harmonic distortion (at rated power, 8 ohms): 0.01%, 1kHz; 0.05%, 20Hz; 0.1%, 20kHz

IM distortion (at rated power, 8ohms): <0.01% SMPTE, <.05% IHF

Output hum and noise (20Hz–20kHz unweighted):
 FTX-1501: –100dB from full output
 FTX-2001: –105dB from full output

Damping factor: >250 into 8ohms <1kHz
 Crosstalk: –90dB (20Hz–1kHz)

Input sensitivity:
 FTX-1501: 1.3 Vrms
 FTX-2001: 1.7 Vrms

Bandwidth: 100kHz
 Slew rate: 50 V/μS
 Rise time: 2 μS 10–90%
 Voltage gain: 29dB

Input impedance: 15k Ohms, balanced ±20%, level control full CW

Amplifier protection: Fuseless short-circuit protection, ultrasonic and RF protection, thermal protection

Load protection: Turn-on delay with level ramp-up, DC fault protection, ultrasonic limiting

Cooling: Forced air

Power requirements: 120VAC, 50–60Hz (240 V available)

Shipping weight:
 FTX-1501: 46 lbs.
 FTX-2001: 60 lbs.

Dimensions:
 FTX-1501: 19" L x 3.5" H x 16.5" D
 FTX-2001: 19" L x 5.25" H x 16.5" D

