

**ARCHITECTS SPECIFICATIONS**

**FTX-2001**

The power amplifier, being of two channels, shall deliver a minimum power of 300 watts RMS per channel into 8 ohm loads and 475 watts RMS per channel into 4 ohm loads, or 550 watts per channel into 2 ohm loads with both channels operating. When switched into bridged-mono mode, the amplifier it shall deliver at least 600 watts into a 16 ohm load, and 950 watts RMS into an 8 ohm load. The amplifier shall be immune to damage from shorted, open, or mismatched loads. The amplifier shall have a gain of 29 dB +/- .2dB per channel and an input sensitivity of 1.7 Volts +/- 2% for full rated output. Frequency response shall be 20Hz to 20kHz +/- .2dB. It shall be stable into any load, including pure capacitors and inductors. Hum and noise shall be at least 105dB below full output and SMPTE intermodulation distortion shall be less than .01%. The amplifier shall have rear panel switching for parallel mono and bridging modes and rear mounted level controls. The inputs shall be of balanced bridging type with barrier strip, 1/4" phone jacks, and female XLR connectors. A three-color

L.E.D type indicator shall be employed to show the power level of each channel and self contained forced air cooling shall be used. Each channel shall have a PROTECT LED which indicates an open relay due to short-circuit, ultrasonic, DC, or turn-on delay. The power output devices shall be of the Lateral MOS-FET type.

The amplifier shall weigh 53lbs net and mount in a standard 19 inch rack using three spaces (5.25" high). The power requirement shall be 110-125VAC, 50-60-Hz. The power amplifier shall be an Ashly FTX-2001.

**Features:**

- Turn-on Delay
- Fuseless Short Circuit Protection
- U.L. Listed
- 5-Year Worry-Free Warranty
- 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

## General Specifications FTX-2001

### Power Output

(Maximum Average Power, 0.1% THD, 1KHz)

Rated Per Channel, Both Channels Driven

2 ohms:	550 Watts RMS
4 ohm:	475 Watts RMS
8 ohm:	300 Watts RMS
Mono Bridged:	
4 ohms:	1100 Watts RMS
8 ohm:	950 Watts RMS

(FTC Continuous Power, 0.1% THD, 20Hz - 20KHz)

Rated Per Channel, Both Channels Driven

Stereo (per channel):

4 ohm:	400 Watts RMS
8 ohm:	250 Watts RMS
Mono Bridged:	
8 ohm:	800 Watts RMS

Total Harmonic Distortion:

8 ohm:	.01% 1kHz
8 ohm:	.05% 20Hz
8 ohm:	.1% 20kHz

IM Distortion (SMPTE):

<.017%, 8 ohm

IMD (IHF):

<.05%, 8 ohms

Hum and Noise (20Hz - 20KHz unweighted):

-105dB from full output

Damping Factor:

>250, 8 ohm, <1kHz

Bandwidth:

100kHz

Slew Rate:

50 V/μS

Frequency Response:

±0.2dB 20Hz-20kHz

Rise Time:

2μS 10%-90%

Full Power Input Sensitivity:

1.7V

Power Requirement:

110-125VAC, 50-60Hz (240V Available)

Dimensions:

19"L x 5.25"H x 16.5"D

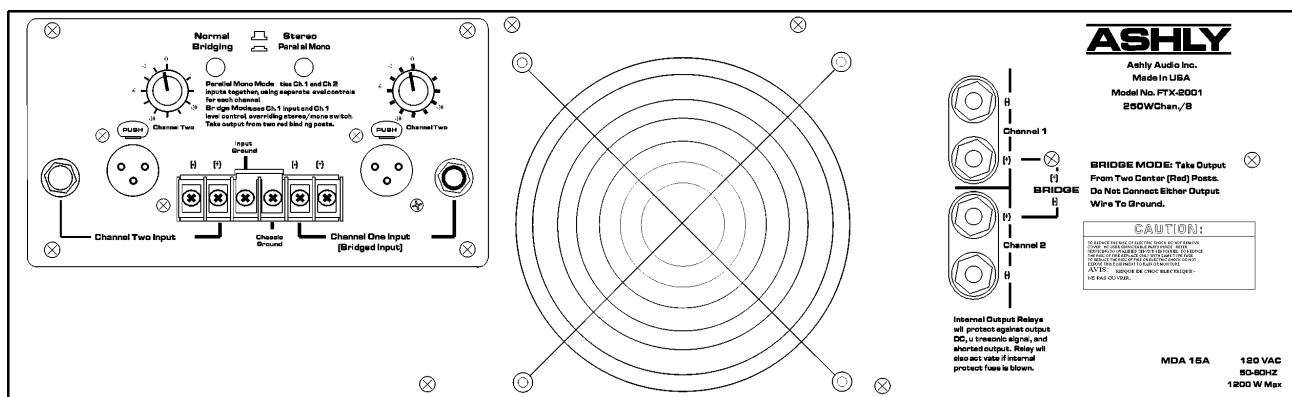
Shipping Weight:

46 lbs

Specification conditions are:

120VAC mains at 60Hz, 25° C

## Rear Panel FTX-2001



## Applications:

Churches, Studios, Concerts, Dance/Night Clubs, PA Systems, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals

Ashly manufactures a complete and comprehensive line of Graphic and Parametric Equalizers, Electronic Crossovers, Power Amplifiers, Compressor-Limiters, Mixers, and Amplifier Input Options. Please call, write or visit our web site for information on any of these Ashly Products.

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