

## ARCHITECTS SPECIFICATIONS

### FTX-1501

The power amplifier, being of two channels, shall deliver a minimum power of 185 watts RMS per channel into 8 ohm loads and 275 watts RMS per channel into 4 ohm loads, or 275 watts per channel into 2 ohm loads with both channels operating. When switched into bridged-mono mode, the amplifier it shall deliver at least 370 watts into a 16 ohm load, and 550 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 1.3 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 100dB below full output and SMPTE intermodulation distortion shall be less than .01% at full output. 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 41lbs net and mount in a standard 19 inch rack using two spaces (3.5" high). The power requirement shall be 110-125VAC, 50-60-Hz. The power amplifier shall be an Ashly FTX-1501.

### 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-1501

Power Output  
(Maximum Average Power, .1% THD, 1KHz)  
Rated Per Channel, Both Channels Driven

2 ohms:	275 Watts RMS
4 ohm:	275 Watts RMS
8 ohm:	185 Watts RMS

Mono Bridged:

4 ohms:	550Watts RMS
8 ohm:	550Watts RMS

(FTC Continuous Power, 0.1% THD, 20Hz - 20KHz)  
Rated Per Channel, Both Channels Driven  
Stereo (per channel):

4 ohm:	250 Watts RMS
8 ohm:	175 Watts RMS

Mono Bridged:

8 ohm:	500W RMS
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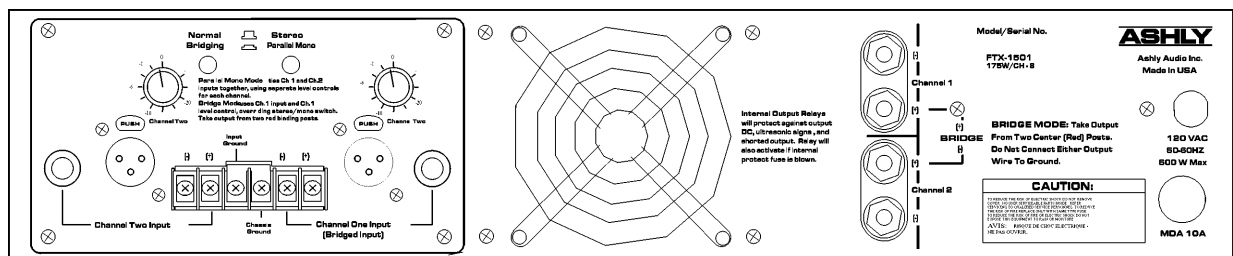
Total Harmonic Distortion:

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

IM Distortion (SMPTE):	.17%, 8 ohm
IMD (IHF):	.05%, 8 ohms
Hum and Noise (20Hz - 20KHz unweighted):	-100dB 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:	1.3V
Power Requirement:	110-125VAC, 50-60Hz (240V Available)
Dimensions:	19"L x 3.5"H x 16.5"D
Shipping Weight:	46 lbs

Specification conditions are: 120VAC mains at 60Hz, 25° C

## Rear Panel FTX-1501



## Applications:

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

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