

Architects Specifications

TRA-Series, Lo-Z, 70V/100V 4-Channel Amplifiers

The power amplifiers shall consist of two separate models (4075, 4150), being of four channels, and shall deliver a minimum power of 40 or 80 watts RMS per channel into 8 ohm loads and 75 or 150 watts RMS per channel into 4 ohms depending on the model being used. The amplifiers shall have internally mounted transformers to provide both 70V and 100V constant voltage. Each channel shall deliver a minimum of 75W or 150W, model depending, to the constant voltage lines.

Dimensions of the amplifiers shall be 19"W x 3.5"H x 11.0"D, with a weight of 29.5 pounds. The amplifiers shall utilize a state-of-the-art, efficient, switched mode power supply. The power supply shall operate at either 120 or 240VAC, 50/60Hz. The amplifier shall be convection cooled.

The amplifier shall have a selectable input gain of 26dB or 36dB. Frequency response shall be 20 Hz - 20 kHz, +/- 1.0 dB. Hum and noise shall be greater than 98dB and greater than 105dB respectively below full output (20Hz to 20KHz unweighted).

Each amplifier channel shall be supplied with an attenuator located on the rear panel. Each input shall have a fixed high pass filter of 12dB/octave at 80Hz.

The inputs shall be active balanced design, with an impedance of 20K ohm with a maximum input level of +21dBu. Input connections shall be 3-pin Euroblock. Output connectors shall be a screw terminal strip with safety cover.

The amplifiers shall have front panel indicators for power, standby and protect. Each channel shall have a 6-step signal level meter indicating -24db, -18dB, -12dB, -6dB, -3dB and clip alert.

The amplifier shall have built in protection for Output Over-Current, DC Output, Main Supply Rail Overvoltage, Chassis Internal Temperature, Inrush Limiting and Mains Fuse.

The amplifier shall have a 2-pin Standby Connector to provide for remote standby switching with a 0.5 second turn-on delay. Additionally, the amplifier shall have user selectable Delay Switches to provide incremental turn-on delay when the Standby connector is used. The switches shall be additive, providing as much as 7.5 seconds of delay to the 0.5 second Standby delay.

The amplifier shall have a cTUVus safety listing and shall be in compliance with FCC, CE and RoHS regulations.

The amplifier shall be covered under a full limited warranty of not less than five years. The amplifier shall be an SRA-Series two-channel model, manufactured by Ashly Audio, Inc. of Rochester, New York.

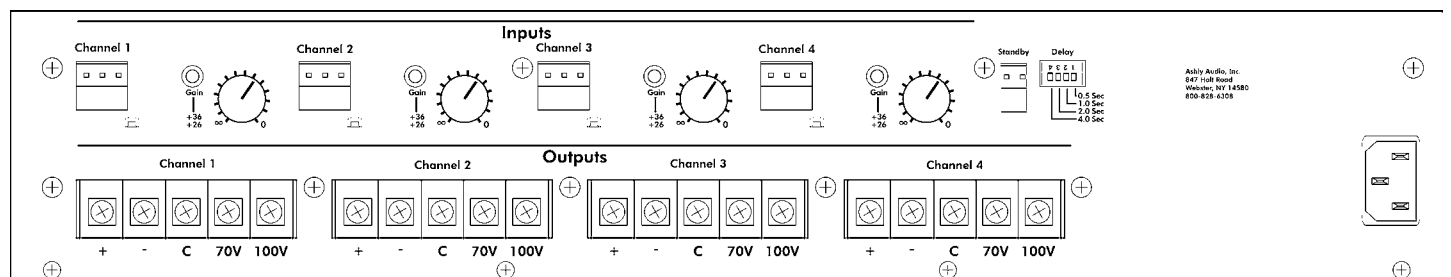
Features

- 2RU Chassis
- 4 Independent Channels
- High Efficiency Switched Mode Power Supply
- Class-D Output Circuitry
- Input Attenuators On Rear Panel
- Input Sensitivity 26dB or 36db
- Remote Power Turn-On/Off
- Adjustable Turn-on Delay
- Convection Cooled
- 6-Step Signal Level and Clip LEDs
- Safety/Compliance: cTUVus/FCC, CE, RoHS

TRA-Series Specifications	4075	4150
Power Output		
Stereo Mode, both channels driven		
8 ohms, 20 Hz - 20 kHz, 1% THD	4 x 40W	4 x 80W
4 ohms, 20 Hz - 20 kHz, 1% THD	4 x 75W	4 x 150W
70V/100V CV	4 x 75W	4 x 150W
Power Consumption (Pink Noise @ 4 Ohm)		
1/8th Output	37.5W	75.0W
1/8th Draw	74.0W	125W
1/8th Current	1.24A	1.98A
Idle Power	30.0W	36.0W
Idle Current	0.52A	0.62A
Signal to Noise 20 Hz-20 kHz, unweighted	>98 dB	>105 dB
Output Circuitry Class	D	D
Power Cable Connector	3-Prong IEC	3-Prong IEC
Weight lbs./ kg.	29.5/13.4	29.5/13.4

TRA-Series Specifications (All)	
Frequency Response	20 Hz - 20 kHz, +/- 1.0 dB
Damping Factor - 8 ohm load, < 1 kHz	> 200
Input Impedance	20 kΩ, balanced
Maximum Input Level:	+21 dBu
Cooling	convection
Front Panel Indicators (Per channel)	-24dB, -18dB, -12dB, -6dB, -3dB and clip alert
Overall	power, standby, protect
Attenuators	Per channel: front panel
Input Connectors, each channel	3- Pin Euroblock
Output connectors, each channel	Screw terminals
Amplifier Protection	Output Overcurrent, DC Output, Main Supply Rail Overvoltage Chassis Temperature, Inrush Limiting, Mains Fuse
Dimensions	19"W x 3.5"H x 11.0"D (483mmW x 88.9mmH x 279.4mmD)

Rear Panel



Ashly manufactures a complete and comprehensive line of Analog and Digital Signal Processors, Power Amplifiers, Mixers, and Amplifier Input Options. Please call, write or visit our web site for information on any of these Ashly Products.

Ashly Audio Inc., 847 Holt Road, Webster, NY 14580-9103
Toll Free (800) 828-6308, Tel: (585) 872-0010, Fax: (585) 872-0739
www.ashly.com, e-mail: info@ashly.com