Ashly Audio, Inc. | 847 Holt Road | Webster, NY 14580-9103 USA | US toll free: +1-800-828-6308 | tel: +1-585-872-0010 | fax: +1-585-872-0739 | sales@ashly.com | www.ashly.com | Ashly is a division of Jam Industries, Ltd.

5-Year Warranty | Hand-built in Webster, NY | 70V Rated | 100V Rated | High-Z/Low-Z Amplifier

ASHLY

TRA2075
TRA2150
TRA4075
TRA4150

TRA SERIES

Multimode Power Amplifiers

The ***TRA Series*** expands on the SRA's mantra of "the right amp for the job." These 2 rack space amplifiers utilize our advanced, efficient amplifiers perfect for low impedance and transformer isolated 25V, 70V or 100V installations with modest power requirements.

Choose from 4 models available in 2 and 4-channel configurations, with power ratings of 75W and 150W per channel at 4 Ohms, 70V and 100V. All TRA audio controls are on the rear panel. A 6-step LED meter for each channel lets you monitor all levels. TRA amplifiers can drive 4 or 8 Ohm loads and 25V or 70V and 100V constant voltage lines simultaneously. Output transformers are internally mounted.

The 150W models are also capable of driving 25V constant voltage lines using the direct coupled 4 Ohm output. TRA Series amplifiers incorporate a switch-mode power supply and Class-D amplifier circuitry, providing an extremely power-efficient solution.

All TRA Series amplifiers are convection-cooled, so there's little maintenance after the installation, and no annoying fan noise. Of course you get the reliability, superior sonic quality and rugged construction you've come to expect from Ashly.

TRA Features:

- Convection cooling
- Extremely low noise
- Internally mounted constant voltage transformers
- Extensive protection circuitry
- 6-Step signal level and clip LEDs
- Level attenuators for each channel
- Euroblock inputs/outputs
- Selectable input sensitivity (voltage gain)
- Remote stand-by control
- Adjustable turn-on delay up to eight seconds
- Safety/Compliance: ₵TUV$_{us}$, CE, FCC, RoHS

Specifications	*Note: 0dBu = 0.775 VRMS*
Frequency Response (8 Ohms)	20Hz–20kHz, ± 1.0 dB, -3dBu @ 80Hz Due to internal HPF
Distortion (SMPTE, typical)	< 0.5%–8 Ohm load, 10dB below rated power
Distortion (THD-N, typical)	< 0.5%–8 Ohm load, 10dB below rated power, 20Hz–20kHz
Damping Factor (8 Ohm load, < 1 kHz)	> 200 into 8 Ohms
Input Impedance	20k Ohms, balanced
Input Sensitivity	1dBu (75W), 4dBu (150W)
Voltage Gain	26dB, 36dB Selectable
Maximum Input Level	+21dBu
HPF	80Hz 2nd Order, Non-defeatable
Cooling	Convection
Output Circuitry	Class D
Amplifier/Load Protection	Output Overcurent, DC Output, Main Supply Rail Overvoltage, Chassis Temperature, Inrush Limiting, Mains Fuse
Environmental	40-120° F, (4-49° C) noncondensing
Front Panel	
Controls	AC Power Switch
Indicators (LED color)	Power (Blue), Standby (Yellow), Protect (Red), Clip (Red) Signal Level -24dB, -18dB, -12dB, -6dB (Green), -3dB (Yellow), Clip (Red)
Rear Panel	
Controls	Input Attenuators, Gain / Sensitivity: +26dB, +36dB, Remote Stand-by, Delay
Connectors (each channel)	Input: 3-Pin Euroblock Output: Euroblock
Cordset	3-Prong IEC

TRA Models	2075	4075	2150	4150
Channels	2	4	2	4
Max Output Power: Per Channel, 80Hz–20kHz, 1% THD, All Channels Driven				
4 Ohms	75W	75W	150W	150W
8 Ohms	40W	40W	80W	80W
Constant Voltage Options: 80Hz–20kHz, 1% THD, All Channels Driven				
25V (per channel)	75W	75W	150W	150W
70V (per channel)	75W	75W	150W	150W
100V (per channel)	75W	75W	150W	150W
Line Current Draw: All Channels Driven @ 4 Ohms				
Standby Mode	37mA	39mA	89mA	102mA
No Signal (Idle)	320mA	565mA	370mA	660mA
Typical (1/8 power pink noise)	0.70A	1.25A	1.10A	1.95A
Max (1/3 power sine wave)	1.23A	2.25A	2.10A	3.80A
Thermal Dissipation: BTU/hr, All Channels Driven @ 4 Ohms				
Standby Mode	13	15	14	23
No Signal	61	113	72	137
Typical (1/8 power pink noise)	73	145	111	211
Max (1/3 power sine wave)	85	150	126	263
Signal to Noise				
20Hz–20kHz, Unweighted	>100dB	>100dB	>103dB	>103dB

Weights, Dimensions & Power	
Dimensions	19" W x 3.50" H x 15.5" D (483mm x 394mm x 88.9mm)
Unit Weight	2075/2150: 19.9lbs (9.04kg) 4075/4150: 30lbs (13.6kg)
Shipping Weight	2075/2150: 24lbs (11kg) 4075/4150: 35lbs (16kg)
Power Req.	120VAC, 240VAC ±10%, 50/60Hz (factory set)

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TRA SERIES

Architect & Engineering Specs

TRA-2075

The two-channel power amplifier shall deliver a minimum power of 40 Watts RMS per channel into 8 Ohm loads, 75 Watts RMS per channel into 4 Ohm loads, and 75 Watts RMS into 70V/100V loads with both channels operating. The power amplifier shall have Euroblock input and output connectors. It shall have balanced analog inputs and a 80Hz high-pass filter. The power amplifier shall have a 26db/36dB input sensitivity switch and remote standby. The output circuitry shall be Class D, convection cooled with a frequency response of 20kHz ±1.0dB, -3dB @ 80Hz due to HPF. Signal-to-Noise shall be greater than 100dB unweighted. The front panel shall provide the status of power, standby, protect, signal level and clip. The amplifier shall mount in a standard 19 inch rack using two spaces (3.5" high) and weigh 19.9 pounds.

The power amplifier shall be an Ashly model **TRA-2075**

TRA-2150

The two-channel power amplifier shall deliver a minimum power of 80 Watts RMS per channel into 8 Ohm loads, 150 Watts RMS per channel into 4 Ohm loads, and 150 Watts per channel into 70V/100V loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 300 Watts RMS into an 8 Ohm load. The power amplifier shall have Euroblock input and output connectors. It shall have balanced analog inputs and a 80Hz high-pass filter. The power amplifier shall have a 26db/36dB input sensitivity switch and remote standby. The output circuitry shall be Class D, convection cooled with a frequency response of 20Hz to 20kHz ±1.0dB, -3dB @ 80Hz due to HPF. Signal-to-Noise shall be greater than 103dB unweighted. The front panel shall provide the status of power, standby, protect, signal level and clip. The amplifier shall mount in a standard 19 inch rack using two spaces (3.5" high) and weigh 19.9 pounds.

The power amplifier shall be an Ashly model **TRA-2150**

TRA-4075

The four-channel power amplifier shall deliver a minimum power of 40 Watts RMS per channel into 8 Ohm loads, 75 Watts RMS per channel into 4 Ohm loads, and 75 Watts RMS into 70V/100V loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 150 Watts RMS into an 8 Ohm load. The power amplifier shall have Euroblock input and output connectors. It shall have balanced analog inputs and a 80Hz high-pass filter. The power amplifier shall have a 26db/36dB input sensitivity switch and remote standby. The output circuitry shall be Class D, convection cooled with a frequency response of 20Hz to 20kHz ±1.0dB, -3dB @ 80Hz due to HPF. Signal-to-Noise shall be greater than 100dB unweighted. The front panel shall provide the status of power, standby, protect, signal level and clip. The amplifier shall mount in a standard 19 inch rack using two spaces (3.5" high) and weigh 30 pounds.

The power amplifier shall be an Ashly model **TRA-4075**

TRA-4150

The four-channel power amplifier shall deliver a minimum power of 80 Watts RMS per channel into 8 Ohm loads, 150 Watts RMS per channel into 4 Ohm loads, and 150 Watts per channel into 70V/100V loads with both channels operating. When switched into bridged-mono mode, the amplifier shall deliver at least 300 Watts RMS into an 8 Ohm load. The power amplifier shall have Euroblock input and output connectors. It shall have balanced analog inputs and a 80Hz high-pass filter. The power amplifier shall have a 26db/36dB input sensitivity switch and remote standby. The output circuitry shall be Class D, convection cooled with a frequency response of 20Hz to 20kHz ±1.0dB, -3dB @ 80Hz due to HPF. Signal-to-Noise shall be greater than 103dB unweighted. The front panel shall provide the status of power, standby, protect, signal level and clip. The amplifier shall mount in a standard 19 inch rack using two spaces (3.5" high) and weigh 30 pounds.

The power amplifier shall be an Ashly model **TRA-4150**