

TA1100

TA1600



The Hafler TA1100 & TA1600 (Trans*Amp) are two channel, two rack height, convection-cooled (No Fans), MOSFET (Metal Oxide Semiconductor Field Effect Transistor) power amplifiers. Both amps are suitable for various applications such as: Instrument amplification, DJ, Monitoring, Live Sound Reinforcement, and Permanent Installations.

The circuitry used in the TA1600 is the latest refinement of our patented trans*nova (TRANSconductance NOdal Voltage Amplifier, US Patent 4,467,288) circuit. It has been proven to offer sound quality to satisfy the most analytic audiophile or the most demanding professional. The natural sound and realistic reproduction have made trans*nova amplifiers the choice in critical installations. They have proven extremely fault tolerant even in abusive situations. This ruggedness enables the amplifier to drive reactive speaker loads without the performance and sound penalties imposed by elaborate protection schemes.

The TA1100 trans*ana (TRANSconductance Active Nodal Amplifier) circuitry has been very successful in bringing new levels of clarity and intelligibility to many broadcast facilities and headphone monitoring installations. Even at low power levels, the trans*ana MOSFET amplifier circuit imitates the accuracy and warmth of its bigger brother, the TA1600 trans*nova.

Specialized circuits in both amplifiers prevent damage to the amplifiers and speakers, without affecting the audio signal. A soft start circuit prevents sending potentially destructive turn-on and turn-off transients to the speakers. A thermal sensing net-

work monitors the heatsink and transformer temperature, and shuts down the amplifier to protect from excessive operating heat. The need for internal fuses has been eliminated. A sensing circuit monitors the output signal and shuts down operation when it detects a short in the output load.

In addition, LED indicators give a visual representation of the operating status of each channel. Any type of fault (clipping, short protection, or thermal standby) will be indicated with a red LED.

Hafler manufactures additional professional and home theatre amplifiers and monitors that offer an extreme level of performance and advanced technology. Visit our website at www.hafler.com for more information

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the standard

Specifications

TA1100/TA1600

Signal-to-Noise:	>102dB below rated output "A" weighted
CMRR:	>65dB at 1kHz
Input Impedance:	47k Ω per phase balanced 47k Ω unbalanced
Gain:	29dB maximum
Damping Factor:	350 (to 1kHz); 150 (to 10kHz); 18 (to 100kHz)
Controls & Switches:	Front Panel: Power Switch and Level Controls
Indicators:	Power Lamp, Clip/Thermal/Protect LEDs
Connectors:	Input: Balanced: 1/4" Tip Ring Sleeve Unbalanced RCA Output: 1/4" Phone, Spring Clip Headphone: 1/4" Power: IEC 320
Dimensions:	19"W x 8 1/2"D x 3 1/2"H (2 rack space) (48cm x 25cm x 8.9cm)
Net Weight:	22 lbs (9.98kg)



TA 1100



Power Rating:	1kHz, 0.1% THD 50 wpc into 4 Ω 40 wpc into 8 Ω
Frequency Response:	\pm 0.1dB, 20Hz to 20kHz +0/-3dB, 1.0Hz to 100kHz
Slew Rate:	20V/ μ s
Input Sensitivity for rated output power:	Unbalanced: 0.640V RMS (8 Ω), 0.510V (4 Ω) Balanced: 0.320V (8 Ω), 0.250V (4 Ω) per phase
Power Consumption:	40VA quiescent

TA 1600



Power Rating:	1kHz, 0.1% THD 75 wpc into 4 Ω 60 wpc into 8 Ω
Frequency Response:	\pm 0.1dB, 20Hz to 20kHz +0/-3dB, 1.0Hz to 300kHz
Slew Rate:	100V/ μ s
Input Sensitivity for rated output power:	Unbalanced: 0.780V RMS (8 Ω), 0.620V (4 Ω) Balanced: 0.390V (8 Ω), 0.310V (4 Ω) per phase
Power Consumption:	60VA quiescent