

TG7
Ultra-High Performance
Two-Channel
Power Amplifier



Key Features:

- Up to 2 x 3500W into 2 Ohms
- Grounded Bridge Class-H Design
- Microprocessor Controlled
- Front LCD-Panel for Control and Monitoring
- Slot for Optional IRIS-Net™ Compatible Control Module
- 11-Level Protection Package
- Only 14.5 kg (32 lbs)
- Designed and Manufactured in Germany



General Description:

The TG-7 Tour Grade amplifier has a microprocessor controlled operation management system that provides useful features such as compound thermal management (preventing the unit from switching off in excessive thermal environment), automatic mains voltage detection and a circuit breaker control that allows the TG-7 to operate on a 30A (120V) respect. or 16A (230V) circuit breaker with normal music signal.

The TG-7 uses a grounded bridge 3-step class-H topology to ensure the highest acoustic performance and reliability. The TG Series also offers the power and transient response to drive subwoofers and along with the low distortion for critical HF signals. The high capacity switch-mode power supply provides the headroom needed to ensure high dynamic outputs and reliable operation on extreme low loads.

Optional IRIS-Net™ (Intelligent Remote & Integrated Supervision-Network™) Modules available for the TG-7 amplifiers enable state-of-the-art DSP, remote control, networking and unique system supervision – down to an individual loudspeaker component. IRIS-Net™ software is an expandable, open architecture application that operates under Windows™ and supports Ethernet, CobraNet™, CAN-Bus, USB, and RS-232 interfaces. Several modules are available including the: RCM-26 (DSP, AES/EBU input, GPIO, CANBus), RCM-28 (DSP, GPIO, COBRA-Net™) and the RCM-20 (no DSP, CAN-Bus) The modules enable different levels of control and monitoring of the amplifier. The connection of the TG-7 to a PC running IRIS-Net software can be achieved using a UCC-1 USB-CAN interface and/or a N8000 digital matrix.

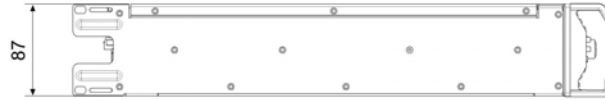
Technical Specifications:

Load Impedance	8 Ohm	4 Ohm	2 Ohm
Max. Midband Output Power THD=1kHz, 1kHz, Dual Channel	1500W	2500W	3500W
Max. Rated Output Power THD, 0, 1%, 20Hz...20kHz	1050W	2100W	-
Max. Bridged Output Power THD=1%, 1kHz	5000W	7000W	-
Input Sensitivity (Rated Power @8 Ohms)	0 / +6 / +9 dBu (Switchable)		
THD at Rated Output Power	<0,05%		
IMD-SMPTE (60Hz, 7kHz)	<0,05%		
Max. Input Level	+22 dBu (9,75Vrms)		
Crosstalk (1kHz, Rated Output Power)	< -80dB		
Frequency Response (ref. 1kHz)	10 Hz - 30 kHz (± 1dB)		
Input Impedance	20 kOhms		
Damping Factor (1 kHz)	> 400		
Slew Rate	35 V/µs		
S/N Ratio (A-weighted, 32dB Gain)	111 dB		
Output Noise, A-weighted	< -70 dBu		
Output Stage Topology	Class-H Grounded Bridge		
Power Requirements	100 - 240V, 50/60 Hz or 100V, 50/60 Hz		
Power Consumption 1/8 Max. Output @ 4 Ohms	1450 W		
Cooling	Front-to-Rear, 5-Stage Fans		
Ambient Temperature Limits	+5°C - +40°C (40°F - 105°F)		
Dimensions (W x H x D)	483 x 88.1 x 512mm 19" x 3.46" x 20.15"		
Weight	14.5kg (32lbs)		

Dimension Drawings:

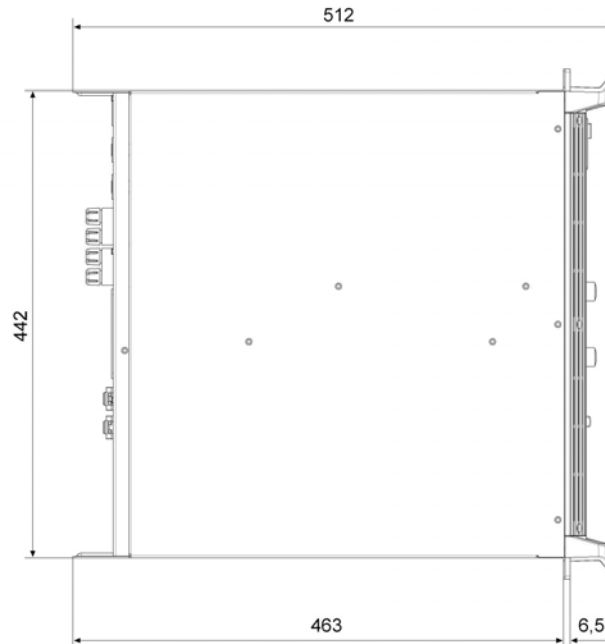
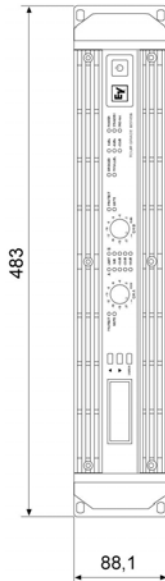
All Dimensions
in Millimeters

Rear View



Side View

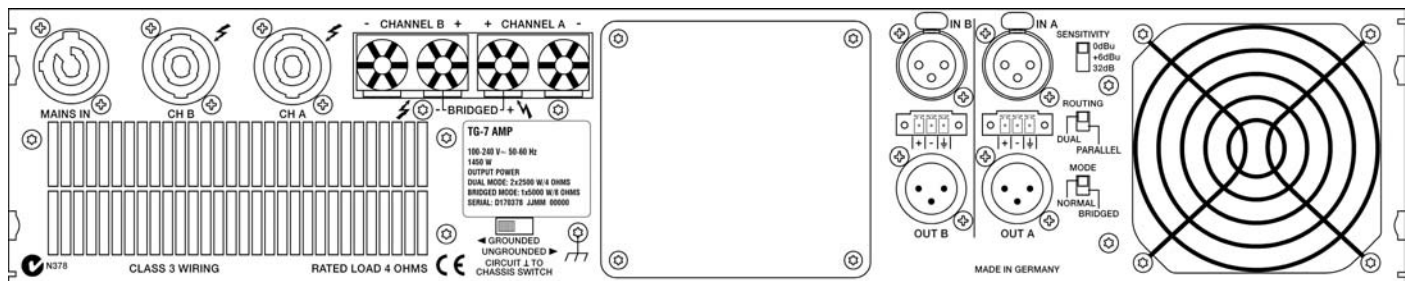
Front View



Top View

TG7 Part Number:
TG7, 120V -- D170378
Accessories:
RCM-26 IRIS-Net Compatible
Remote Control Module --
D170362

Rear View:



12000 Portland Avenue South, Burnsville, MN 55337
Phone: 952/884-4051, Fax: 952/884-0043

www.electrovoice.com

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Part Number LIT-0000XX Rev 1

U.S.A. and Canada only. For customer orders, contact Customer Service at:

800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:

+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, contact Customer Service at:

+ 1 952 884-4051 Fax: + 1 952 736-4212

For warranty repair or service information, contact the Service Repair department at:

800/685-2606

For technical assistance, contact Technical Support at: **866/78AUDIO**

Specifications subject to change without notice.