Tour Grade amplifiers are designed for today’s most demanding audio applications. They offer a unique combination of high output power, sonic excellence, high efficiency, as well as state-of-the-art, optional signal processing and system supervision via IRIS-Net software, in a compact lightweight format.

Tour Grade amplifiers have a microprocessor controlled operation management system that provides useful features such as compound thermal management (preventing amps 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) or 16A (230V) circuit breaker with normal music signal.

Tour Grade amplifiers use 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 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 Tour Grade amplifiers open up a whole world of 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.

There will be several modules available: RCM-26 (DSP, AES/EBU input, GPIO, CANBus), RCM-28 (DSP, GPIO, COBRA-Net™), RCM-20 (no DSP, CAN-Bus) to allow any combination of central control and supervision with central or decentralized signal processing. Connection to a PC running IRIS-Net software can be achieved using a UCC-1 USB-CAN interface and/or a N8000 digital matrix.
RCM-26 DSP Module

- 2-in-2 Speaker Controller with IIR and Linear Phase FIR Filters
- 96 kHz Sample Rate, 116 dB Dynamic Range
- 24 Bit Linear AD/DA, AES/EBU In/Out
- 2 GPIO’s, RS232 Interface, CAN-Bus
- 300 MIPS Processing Power for Real Time DSP Editing and Zero-Latency FIR Filters
- Unique System Supervision and Diagnostics (Load Monitoring and Additional Impedance Measurements - System Check)
- Total Control Through IRIS-Net Software
- Compatible with all IRIS-Net Capable Devices: RCM24 (DSP controlled Precision Series Amplifiers) NetMax® N8000

Specifications

<table>
<thead>
<tr>
<th>TG-5</th>
<th>TG-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Midband Output Power THD=1 kHz, 1 kHz, Dual Channel</td>
<td>2 1900 W 3500 W</td>
</tr>
<tr>
<td></td>
<td>4 1450 W 2500 W</td>
</tr>
<tr>
<td></td>
<td>8 850 W 1500 W</td>
</tr>
<tr>
<td>Max. Rated Output Power THD , 0,1%, 20 Hz - 20 kHz</td>
<td>2 -- 2100 W</td>
</tr>
<tr>
<td></td>
<td>4 -- 1950 W</td>
</tr>
<tr>
<td></td>
<td>8 -- 1800 W</td>
</tr>
<tr>
<td>Max. Single Channel Output Power Dynamic Headroom, IHF-A</td>
<td>2 4500 W 4 3200 W</td>
</tr>
<tr>
<td></td>
<td>8 1800 W</td>
</tr>
<tr>
<td>Max. Bridged Output Power THD = 1%, 1 kHz</td>
<td>2 -- 7000 W 8 -- 5000 W</td>
</tr>
</tbody>
</table>

Maximum Voltage Swing

THD1%, 1 kHz: 125V

Power Bandwidth

THD = 1%, ref. 1 kHz, 1/2 power @4 10 Hz - 50 kHz

Voltage Gain ref. 1 kHz: 39 / 33 / 32 dB (switchable) 41 / 35 / 32 dB (switchable)

Input Sensitivity (rated power @8 ): 0 / +6 / +7 dBu (switchable) 0 / +6 / +9 dBu (switchable)

THD at rated output power: <0.05%

IMD-SMPTE (60 Hz, 7 kHz): <0.05%

DIM30 (3.15 kHz, 15 kHz): <0.02%

Max. Input Level: +22 dBu (9.75Vrms)

Crosstalk (1 kHz, rated output power): <80 dB

Frequency Response (ref. 1 kHz): 10 Hz - 30 kHz (± 1 dB)

Input Impedance: 20 k

Damping Factor (1 kHz): >400

Slew Rate: 30 V/µs 35 V/µs

S/N Ratio (A-weighted, 32 dB gain): 109 dB 111 dB

Output Noise, A-weighted: <70 dB

Protection

Audio Limiters, High Temperature, DC, HF, Short Circuit, Back-EMP, Peak Current Limiters, Brush Current Limiters, Turn-On Delay, Mains Circuit Breaker Protection, Mains Overvoltage Protection

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 512 mm (19" x 3.46" x 20.15")

Net Weight: 14.2 kg (31.4 lbs) 14.5 kg (32 lbs)