



Tour Grade

Designed for the most demanding applications in both touring and installed sound, EV's ultra-reliable Tour Grade amplifiers offer a unique combination of output power, sonic excellence and high efficiency, all in a compact, lightweight format that's ideal for life on the road. Based on grounded-bridge Class-H topology, Tour Grade amps feature an integrated switch-mode power supply for maximum power per pound, with plenty of headroom to

handle transient peaks and low loads. The optional RCM-26 remote control module adds state-of-the-art IRIS-Net-controlled DSP, including FIR-Drive loudspeaker optimization, IIR filters, signal routing, level control, dynamics and system supervision. The optional RCM-28 module provides additional DSP options as well as the revolutionary OMNEO Media Networking Architecture for the most demanding applications.

TG5 2000 W PER CHANNEL POWER AMPLIFIER

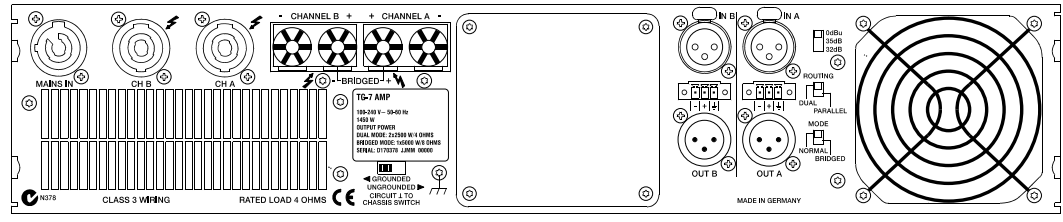


- High-level touring performance
- Rugged, lightweight package
- 2000 W per channel (2 Ω)
- Grounded-bridge Class-H design
- Switch-mode power supply
- Microprocessor-controlled
- Front LCD panel for operation-mode setup and monitoring
- Slot for optional RCM-26 or RCM-28 IRIS-Net-compatible DSP and control module
- 11-level protection package
- Only 31.4 lb (14.2 kg)

TG7 3500 W PER CHANNEL POWER AMPLIFIER



- High-power performance for top-level tours
- Rugged, lightweight package
- 3500 W per channel (2 Ω)
- Grounded-bridge Class-H design
- Switch-mode power supply
- Microprocessor-controlled
- Front LCD panel for operation-mode setup and monitoring
- Slot for optional RCM-26 or RCM-28 IRIS-Net-compatible DSP and control module
- 11-level protection package
- Only 32 lb (14.5 kg)



TG5 and TG7 rear view

UCC1 REMOTE CONTROL INTERFACE FOR IRIS-NET



- USB-CAN converter for IRIS-Net enabled devices
- Supports up to 100 CAN devices
- Parallel CAN connections on RJ-45 Ethercons
- USB-powered
- XLR jack for audio bus monitoring
- 19" rackmount panel included
- Status LED shows CAN activity and device status

RCM-26



IRIS-NET REMOTE CONTROL MODULE FOR TOUR GRADE AMPLIFIERS

- Extend Tour Grade performance with powerful DSP functionality
- Advanced FIR-Drive loudspeaker optimization
- High precision load impedance supervision
- Two GPI and two GPO ports
- One-button system test for fast, complete check of connected cables and components
- Pilot tone detection for cable supervision
- Six recallable DSP/configuration presets
- Parallel RJ-45 CAN bus connectors

RCM-28



IRIS-NET REMOTE CONTROL MODULE FOR TOUR GRADE AMPLIFIERS

- OMNEO Media Networking Architecture
- Advanced FIR-Drive loudspeaker optimization
- High precision load impedance supervision
- Two GPI and two GPO ports
- One-button system test for fast, complete check of connected cables and components
- Pilot tone detection for cable supervision
- Dedicated Array EQ and Delay DSP
- Recallable DSP/configuration presets

	TG5			TG7			RCM-26		RCM-28	
Topology	Class-H grounded bridge			Class-H grounded bridge						
Impedance	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω				
Continuous Output/Channel (1 kHz, THD 1%)	2000 W	1450 W	850 W	3500 W	2500 W	1500 W				
Continuous Output/Channel (20–20,000 Hz, THD < 0.2%)			1200 W	600 W			2100 W	1050 W		
Maximum Bridged Output: 4, 8 Ω			3800 W	2900 W			7000 W	5000 W		
Amplifier Gain (Selectable)	39, 35 or 32 dB			41.5, 35 or 32 dB						
Signal-to-Noise Ratio (A-weighted)	109 dB			111 dB			116 dB		120 dB	
Total Harmonic Distortion	0.05%			0.05%			<0.005% (THD+Noise)		<0.002% (THD+Noise)	
Intermodulation Distortion (SMPTE)	0.05%			0.05%						
DIM 30	0.02%			0.02%						
Slew Rate	30 V/μs			35 V/μs						
Analog Inputs	Yes			Yes			2 audio inputs on internal slot connector, pre-/post-fader selectable			
Input Impedance (Balanced)	20 kΩ			20 kΩ						
Input Sensitivity (Selectable)	0, +6, +7 dBu			0, +6, +9 dBu						
Digital Inputs	Optional (RCM-26 / RCM-28)			Optional (RCM-26 / RCM-28)			AES3 (AES/EBU) format, XLR In/Thru connectors			
A/D Conversion	See RCM-26 / RCM-28			See RCM-26 / RCM-28			24 Bit linear, Sigma-Delta, 128x oversampling			
D/A Conversion	See RCM-26 / RCM-28			See RCM-26 / RCM-28			24 Bit linear, Sigma-Delta, 128x oversampling			
Data Format	See RCM-26 / RCM-28			See RCM-26 / RCM-28			24 Bit linear A/D and D/A conversion, 48 Bit processing			
Internal Processing	See RCM-26 / RCM-28			See RCM-26 / RCM-28			2 DSPs (150 MHz, 300 MIPS)		Dual Core DSP, 500 MIPS	
Sample Rate	See RCM-26 / RCM-28			See RCM-26 / RCM-28			48 kHz		48 kHz	
Sample Rate Conversion (SRC)	See RCM-26 / RCM-28			See RCM-26 / RCM-28			32 kHz – 192 kHz internal sample rate converter			
Network Control (IRIS-Net)	Optional (RCM-26 / RCM-28)			Optional (RCM-26 / RCM-28)			Yes		IRIS-Net control/OMNEO	
Control Protocol	See RCM-26 / RCM-28			See RCM-26 / RCM-28			CAN Bus		OMNEO/OCA	
CAN Bus Interface	See RCM-26 / RCM-28			See RCM-26 / RCM-28			10–500 kbaud, 2x RJ-45 (IRIS-Net Control)		Not required because of OCA support	
GPIO Control Port	See RCM-26 / RCM-28			See RCM-26 / RCM-28			1 x 6-pole Euroblock, 2 control inputs, 2 control outputs, (+5 V, 200 mA / GND)			
FIR-Drive	Optional (RCM-26 / RCM-28)			Optional (RCM-26 / RCM-28)			Yes		Yes	
Power Supply	100–240 V, 50-60 Hz			100–240 V, 50-60 Hz						
Power Consumption 1/8 max. output @ 4 Ω	1000 W			1450 W						
Dimensions (H x W x D)	3.47" x 19" x 20.16" (88.1 x 482.6 x 512 mm)			3.47" x 19" x 20.16" (88.1 x 482.6 x 512 mm)			3.33" x 3.17" x 9.06" (84.7 x 80.4 x 230.3 mm)		3.33" x 3.17" x 9.06" (84.7 x 80.4 x 230.3 mm)	
Net Weight	31.4 lb (14.2 kg)			32 lb (14.5 kg)			0.53 lb (240 g)		0.53 lb (240 g)	