RCORE4|100

FOUR-CHANNEL AMPLIFIER · CLASS AB



The **RCore4|100** is a class AB four-channel amplifier for front and rear systems or a front system with subwoofer. It delivers four times 100 W into 4 Ω, four times 140 W into 2 Ω and, bridged, two times 290 W into 4 Ω at 1 % distortion. High-pass, low-pass or full range can be selected separately for channel pairs 1/2 and 3/4. A factory head unit connects directly to the high-level input, and the amplifier turns on via the signal.

MEASURED DATA AND SPECIFICATIONS

RMS power at 1 % THD+N

into 4 Ω	4 × 100	W
into 2 Ω	4 × 140	W
bridged into 4 Ω	2 × 290	W
THD+N at 40 W / 4 Ω (20 Hz – 22 kHz)	0.22	%
THD+N at 90 W / 2 Ω	0.39	%
THD+N at 180 W / 4 Ω bridged	0.55	%

Inputs

Sensitivity low level	0.16 – 4.8	V
Sensitivity high level	0.33 – 9.7	V
Turn-on	REM / auto	

Frequency and filters

Frequency response (−3 dB, 1 W)	10 – 20 000	Hz
Filter per channel pair	HPF / LPF / FULL	
Crossover frequency	45 – 225	Hz
Slope	12	dB/oct.

Performance

Signal-to-noise ratio (A-weighted)	S/N	99	dB
S/N CEA-2006 (1 W)		78	dB
Channel separation		64	dB
Damping factor (1 kHz, 4 Ω)	DF	64	
Efficiency (4 Ω, full power)	η	63	%
Current draw (4 Ω, full power)		46	A
Idle current		0.96	A

Supply and protection

Operating voltage	10 – 16	V
Undervoltage shutdown / restart	8.3 / 8.6	V
Short-circuit protection	yes	
Thermal protection	yes	
External fuse	80	A

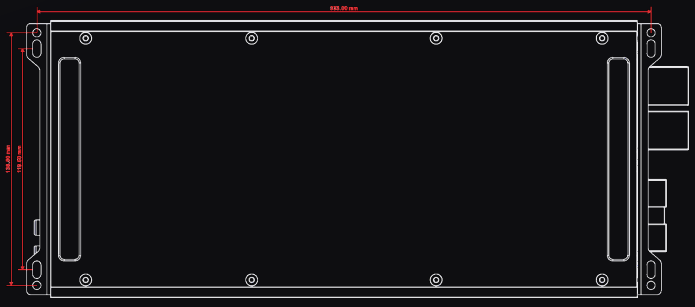
Installation and construction

Channels / class	4 / Class AB	
Minimum impedance per channel / bridged	2 / 4	Ω
Overall length	359	mm
Width	150	mm
Height	52.7	mm
Weight	2.9	kg
Remote control (optional)	RTC.2	
EAN	4260242467542	

DIMENSIONS

top and bottom view with mounting lugs, dimensions in mm





- Power at 14.4 V and 1 % THD+N; other values from the factory test of the production sample at 14.4 V and 1 kHz.
- Installation, wiring and safety: installation and operating manual (download at www.gladen.com).