

C8

CUSTOM INSTALLATION AMPLIFIER



8 x 70 Watts
of robust Class AB
power, 4 Ohms



IP and RS232
communication for control
system integration



Custom engineered
toroidal transformer



12 volt trigger
input



Rack ears included

Rotel's C8 Class AB Custom Installation Amplifier delivering on our 60-Year heritage of Performance, Quality and Value. The C8 delivers 8-channels at 70 Watts per channel of premium, Class AB amplification, all channels driven into 4-ohm speaker loads bridgeable to 140 Watts per channel.

The oversized in-house manufactured toroidal transformer drives sixteen high current output devices fed by an array of bulk storage smoothing capacitors ensuring deep, agile and controlled bass energy while maintaining rhythm and timing of all genres of music.

The C8 includes 4 Analog inputs available to all Zones through internal matrix-switching and a Priority Zone PA Override option allowing critical announcements to be instantly available to all zones. The front panel display and user controls provide selection of the matrixed source input and independent volume, bass and treble settings ensuring the C8 can be tuned for listening preferences, speaker profiles and room characteristics. Setup is also available via the front panel for easy system configuration when mounted in remote locations ensuring ultimate installation flexibility.

Control system integration is available via the IP and RS232 interfaces and the 12-Volt trigger input offers simplified power control. Detachable Phoenix speaker terminals allow for pre-wire installations with secure-locking terminals reducing service calls.

The custom engineered 2U height chassis does not require top or bottom clearance spacing for ultra-efficient rack mounting. All rack mounting hardware is included.

The C8 is available in black only.



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SPECIFICATIONS

Maximum Power Output	70 watts/ch (8 channels driven, 4 ohms)	Power Requirements	USA EC	120 V, 60 Hz 230 V, 50 Hz
Continuous Power Output	50 watts/ch (8 channels driven, 8 ohms)	Power Consumption		570 watts
Bridged Power Output	140 watts/ch (4 channels driven, 4 ohms)	Standby Power Consumption	Normal Network Standby	< 0.5 watts < 2 watts
Total Harmonic Distortion	< 0.1%	BTU (4 ohms, 1/8th power)		1537 BTU/h
Intermodulation Distortion (60 Hz : 7 kHz, 4:1)	< 0.1%	Dimensions (W x H x D)		430 x 97 x 414 mm 17 x 3 ⁷ / ₈ x 16 ² / ₅ ins
Frequency Response Line Level Inputs	10 Hz - 100k Hz, 0 ± 0.5 dB	Front Panel Height		2U / 88.1 mm / 3 ¹ / ₂ ins
Tone Controls Bass Treble	± 10 dB at 100 Hz ± 10 dB at 10k Hz	Weight (net)		16.7 kg, 36.81 lbs.
Damping Factor (20 Hz - 20 kHz, 8 ohms)	80	Finish		Black
Input Sensitivity / Impedance Line Level Inputs (RCA)	0.3 V / 31k ohms			
Input Overload Line Level Inputs (RCA)	2.8 V			
Signal to Noise Ratio (IHF A-weighted) Line Level Inputs	100 dB			
Crosstalk/Separation	> 50 dB			

All specifications are accurate at the time of printing.
 Rotel reserves the right to make improvements without notice.

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