ROTEL®

C8+

CUSTOM INSTALLATION AMPLIFIER





8 x 150 Watts of robust Class AB power, 4 Ohms



4 individual 24-bit/192kHz Digital to Analogue Converters



Custom engineered toroidal transformer



12 volt trigger input



Rack ears included

Performance meets efficiency in Rotel's C8+ Class AB Custom Installation Amplifier delivering on our 60-Year heritage of Performance, Quality and Value. The C8+ drives 8-channels of premium audio at 150 Watts per channel, all channels driven into 4-ohm speakers utilizing Rotel's proprietary amplification technology.

The oversized in-house manufactured toroidal transformer drives thirty-two high current output transistor devices for effortless, deep, controlled bass energy. Outputs can be bridged providing 4 channels of 300 Watts per channel, capable of driving even the most demanding loudspeakers and exceptional audio clarity in critical listening zones.

For ultimate installation flexibility the C8+ includes 4 Analog, 2 Coaxial and 2 Optical (24-bit/192kHz) inputs available to all Zones through internal matrix-switching with a Priority Zone PA Override feature allowing critical announcements to be broadcasts to all Zones. The front panel display and user controls provide selection of the matrixed source input and independent volume, bass and treble settings for each zone ensuring the C8+ can be tuned to the speaker and room

characteristics. Device setup is also available via the front panel for easy system configuration when mounted in remote locations

Speaker outputs utilize detachable Phoenix connectors for prewire installations with secure-locking screw terminals reducing service calls. Control system integration is available via IP and RS232 interfaces and the 12-Volt trigger input offers simplified power control.

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	150 watts/ch	Digital Section	
	(8 channels driven, 4 ohms)	Frequency Response	10 Hz - 20k Hz (0 ± 0.5 dB)
Continuous Power Output	100 watts/ch (8 channels driven, 8 ohms)	Signal to Noise Ratio (IHF A-weighted)	102 dB
Bridged Dewer Output	300 watts/ch	Input Sensitivity/Impedance	0 dBfs / 75 ohms
Bridged Power Output	(4 channels driven, 4 ohms)	Coaxial/Optical Digital Signals	SPDIF LPCM (up to 24-bit / 192k Hz)
Total Harmonic Distortion	< 0.1%		(up to 24-bit / 192k Hz)
Intermodulation Distortion (60 Hz : 7kHz, 4:1)	< 0.1%	Power Requirements	120 // 60 //-
		USA EC	120 V, 60 Hz 230 V, 50 Hz
Frequency Response	10 Hz - 100k Hz, 0 ± 0.5 dB	Power Consumption	980 watts
Line Level Inputs		Standby Power Consumption	
Tone Controls Bass	± 10 dB at 100 Hz	Normal	< 0.5 watts
Treble	± 10 dB at 100 Hz ± 10 dB at 10k Hz	Network Standby	< 2 watts
	80	BTU (4 ohms, 1/8th power)	2744 BTU/h
Damping Factor (20 Hz - 20 kHz, 8 ohms)	00	$\textbf{Dimensions}~(W \times H \times D)$	430 x 97 x 414 mm
Input Sensitivity / Impedance			$17 \times 3^{7}/_{8} \times 16^{2}/_{7}$ ins
Line Level Inputs (RCA)	0.43 V / 31k ohms	Front Panel Height	$2U / 88.1 \text{ mm} / 3 \frac{1}{2} \text{ ins}$
Input Overload		Weight (net)	18.35 kg, 40.79 lbs.
Line Level Inputs (RCA)	2.8 V	Finish	Black
Signal to Noise Ratio (IHF A-weighted)			
Line Level Inputs	100 dB		

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

100 dB > 50 dB

Texas Instruments

Crosstalk/Separation **Digital to Analog Converters**