

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 pre-wire 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.

C8+

CUSTOM INSTALLATION AMPLIFIER



SPECIFICATIONS

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

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