



Custom Installation Amplifiers

RKB-250, RKB-650 and RKB-2100

ROTEL[®]



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Rotel's new custom power amplifiers address all of the demands of the professional custom installer: easy rack-mount installation, failsafe design, and set it and forget it operation. They also come with the most important features that all music lovers want: great sound and an affordable price.

This is all possible due to Rotel's Balanced Design Concept, a design philosophy that emphasizes an exhaustive analysis of every part that goes into our circuits to determine not which one will do, but which one will sound best.

There are three models to cover almost every custom application. The RKB-250 features, 2 x 50 watts RMS @ 8 ohms, the RKB-650

is rated 6 x 50 watts RMS @ 8 ohms, and the RKB-2100 output is 2 x 100 watts @ 8 ohms. These power amplifiers are extremely robust and are able to increase their output power into 4 ohms (20 Hz-20 kHz, 0.05% THD).

Each RKB power amplifier includes front access gain controls for easy settings, a security cover for tamper-proof installations, an IEC detachable power cord, a 12-volt trigger input for remote system operation, and rack mount capability.

With high output power, high thermal stability and short-circuit protection, the RKB Series is the ideal solution to any permanently installed sound system.



FEATURES

3 models to meet your exact power requirements

Toroidal power supply technology for high performance and compact size

Custom integrated security covers over volume controls for tamper proof installations

Audio pass through (RCA) to send line level signals to an additional amplifier

Optional cooling fan available

Front panel gain controls for fast settings

12 volt trigger input for turn On and Off

12 volt trigger output for daisy chaining

Front panel indicators including signal

5 way binding post output connector

Comprehensive protection circuitry including DC, infrasonic, thermal overload and short circuit protection

5-year warranty



Optional RKB-1 Fan Kit

SPECIFICATIONS	RKB-250	RKB-650	RKB-2100
Continuous Power Output into 8 ohms (20-20k Hz, < 0.03% THD)	50 watts/ch into 8 ohms, all channels driven	6x50 watts/ch into 8 ohms, all channels driven	100 watts/ch into 8 ohms, all channels driven
Continuous Power Output into 4 ohms (DIN 1 kHz, 1.0% THD)	90 watts/ch into 4 ohms, all channels driven	6 x 80 watts/ch into 4 ohms, all channels driven	170 watts/ch into 4 ohms, all channels driven
Total Harmonic Distortion (20Hz-20kHz, 8 ohms)	Continuous rated power: < 0.03% One-half rated power: < 0.03% 1 watt power: < 0.03%	Continuous rated power: < 0.03% One-half rated power: < 0.03% 1 watt power: < 0.03%	Continuous rated power: < 0.03% One-half rated power: < 0.03% 1 watt power: < 0.03%
Intermodulation Distortion (60 Hz : 7 kHz, 4:1)	< 0.03%	< 0.03%	< 0.03%
Damping Factor (20-20,000 Hz, 8 ohms)	>200	>200	>200
Input Impedance	20 k Ohms	20 k Ohms	20 k Ohms
Input Sensitivity	1.0 volt	1.0 volt	1.0 volt
Amplifier Gain:	26 dB	26 dB	29 dB
Input Overload Level	5.0 volt	5.0 volt	5.0 volt
Peak Current	> 25 A	> 25 A	> 60 A
Frequency Response (±1 dB)	10Hz-100kHz	10Hz-100kHz	4Hz-100kHz
S/N Ratio (IHF A)	115 dB	115 dB	120 dB
Crosstalk/Separation	> 70 dB	> 70 dB	> 70 dB
Speaker Impedance	4 ohms minimum	4 ohms minimum	4 ohms minimum
Auto Turn On Level (with all inputs)	3 mV input signal	3 mV input signal	3 mV input signal
Power Requirements	USA: 120 Volts, 60 Hz Europe: 230 Volts, 50 Hz	USA: 120 Volts, 60 Hz Europe: 230 Volts, 50 Hz	USA: 120 Volts, 60 Hz Europe: 230 Volts, 50 Hz
Power Consumption	190 Watts Idle: 22 Watts Standby: 2.3 Watts	450 Watts Idle: 42 Watts Standby: 2.6 Watts	450 Watts Idle: 40 Watts Standby: 2.3 Watts
Dimensions (W x H x D) (not including rack adaptors)	430 x 100 x 322 mm 16.9 x 3.9 x 12.7 in	430 x 144 x 429 mm 16.9 x 5.7 x 16.9 in	430 x 144 x 328 mm 16.9 x 5.7 x 12.9 in
Weight (net)	8 kg, 17.6 lb.	15.5 kg, 34.1 lb.	11.2 kg, 25 lb.
Panel Height	2U, 88.1 mm/3.5 in	3U, 132.6 mm/5.2 in	3U, 132.6 mm/5.2 in

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