

INTEGRATED AMPLIFIER

RA-1592



2 x 200 Watts
of robust power



Class AB amplifier



Integrated
Bluetooth aptX



AKM premium 32-bit/
768kHz Digital to Analog
Converter



Balanced XLR inputs

There has never been a better time to be a music lover. Today's source options provide limitless audiophile quality music. CD-or-better quality streaming, high resolution download sites, inexpensive mass storage devices, the still resilient CD and the resurgence of classic vinyl are all providing a wealth of content at impressively high fidelity. To hear all this music as the artist intended requires an extraordinarily flexible, sonically capable component.

The RA-1592 Integrated Amplifier is exactly that component. It leverages the strengths of our award winning RC-1590 preamplifier and RB-1582 MkII power amplifier in a sleek single chassis design. With a powerful 200 watt per channel Class AB amplifier using performance audio grade components, the RA-1592 can effortlessly drive large speaker systems. The impressive Rotel manufactured toroidal transformer is a key element in the power supply design which also includes custom slit-foil storage capacitors and a dual-monoblock topology. All of this helps to ensure the amplifier performance stands up to even the most complex music and real world playback conditions.

To complement the amplifier section, the RA-1592's preamplifier incorporates the superb 32 bit 768kHz AKM digital-to-analog converter (DAC) and analog stages of the highest quality. The DAC and surrounding circuitry supports a vast array of source inputs including DSD capable PC-USB (24bit/192kHz), 3 coaxial, 3 optical, integrated aptX® Bluetooth and front mounted USB iPod input. In recognition of the faithful analog music lovers, there is a phono stage input (MM), XLR balanced input and 3 analog RCA source inputs.

User selectable A-B speaker outputs with 5-way binding posts, RCA pre-output and dual subwoofer outputs provide the ultimate flexibility in installation. The amplifier protection circuits monitor DC offset, overcurrent, short circuit and temperature to protect both the electronics and attached speakers.

Custom integration features include RS232 and Ethernet IP control, 2 trigger outputs, remote IR input and automated digital signal sense power control for easy integration with streaming sources and control systems.

The RA-1592 is the finest integrated amplifier yet in Rotel's 55 year history of producing performance audio components.

INTEGRATED AMPLIFIER

RA-1592



SPECIFICATIONS

Continuous Power Output (20 - 20kHz, < 0.03%, 8 ohms)	200 watts/channel	Digital Section	
Total Harmonic Distortion (20 Hz - 20kHz, 8 ohms)	< 0.03%	Frequency Response	10 Hz - 90 kHz (0 ± 2 dB, Max)
Intermodulation Distortion (60 Hz : 7kHz, 4:1)	< 0.03%	Signal to Noise Ratio (IHF A-weighted)	102 dB
Frequency Response		Input Sensitivity / Impedance	0 dBfs / 75 ohms
Phono Input	20 Hz - 20 kHz, 0 ± 0.5 dB	Preamplifier Output Level	1.4 V (at -20 dB)
Line Level Inputs	10 Hz - 100 kHz, 0 ± 0.5 dB	Coaxial / Optical Digital Signals	SPDIF LPCM (up to 192kHz 24 bit)
Damping Factor (20 Hz - 20 kHz, 8 ohms)	600	PC-USB	USB Audio Class 1.0 (up to 96kHz 24bit) USB Audio Class 2.0 (up to 384kHz 32bit)* *Driver installation required DSD and DoP support
Input Sensitivity / Impedance		Power Requirements:	
Phono Input (MM)	5.2 mV / 47k ohms	USA:	120 volts, 60 Hz
Line Level Inputs (RCA)	340 mV / 100k ohms	EC:	230 volts, 50 Hz
Line Level Inputs (XLR)	540 mV / 100k ohms	Power Consumption	500 watts
Input Overload		Standby Power Consumption	< 0.5 watts
Phono Input (MM)	52 mV	BTU (4 ohms, 1/8th power)	1239 BTU/h
Line Level Inputs (RCA)	3.5 V	Dimensions (W x H x D)	431 x 144 x 425mm 17 x 5 7/8 x 16 in
Line Level Inputs (XLR)	5.5 V	Front Panel Height	3U (132.6mm, 5 1/4 in)
Preamplifier Output / Impedance	1.9 V / 100 ohms	Weight (net)	16.8kg, 37.04 lbs.
Signal to Noise Ratio (IHF A-weighted)			
Phono Input (MM)	80 dB		
Line Level Inputs	103 dB		