

A12MKII

STEREO INTEGRATED AMPLIFIER



2 x 60 Watts
of robust Class
AB power



Texas Instruments
premium 32-bit/384kHz
Digital to Analog Converter



Moving Magnet
Phono input for
turntable connection



Wireless aptX™
Bluetooth



roon
TESTED
Certified
Roon Tested

The A12MKII Integrated Amplifier measures only a slim 80 mm (3 inches) tall but stands well above its sleek design profile in performance and feature set for all music lovers.

The heart of the A12MKII begins with Rotel's in-house manufactured oversized toroidal transformer feeding high efficiency storage and smoothing capacitors for deep, controlled bass energy. The power supply features multiple voltage and current regulators delivering independent power to critical analog, digital and amplification stage circuits isolating sensitive low voltage signals from high power speaker outputs lowering the noise floor and reducing unwanted distortion. Circuit design follows Rotel's proprietary Balanced Design Concept with physical and electrical isolation techniques delivering exceptionally clean audio.

The A12MKII is replete with inputs supporting your favorite sources including a Moving Magnet Phono Stage for vinyl fans, 4 RCA analog, 4 digital, PC-USB and high quality aptX™ Bluetooth for wireless streaming.

A premium 32-bit Texas Instruments Digital to Analog converter extracts genuine and accurate details of the music with custom output filters and preamplifier circuits preserving the integrity of the audio stream.

The Class AB amplifier delivers 60 Watts of dynamic power into 8 ohms utilizing high current, fast transient output devices for improved accuracy of the music timing and a more lifelike reproduction of audio into dual A-B speaker binding posts.

The IR remote, front panel controls, and graphic display ensure effortless operation. RS232, 12V triggers and remote input ensure seamless integration with control systems.

Slim and powerful the A12MKII delivers on Rotel's iconic brand heritage.

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SPECIFICATIONS

Maximum Power Output	120 watts/ch (4 ohms)	Digital Section	
Continuous Power Output	60 watts/ch (8 ohms)	Frequency Response	10 Hz - 90k Hz (0 ± 2 dB, Max)
Total Harmonic Distortion	< 0.018%	Signal to Noise Ratio (IHF A-weighted)	103 dB
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	Input Sensitivity / Impedance	0 dBfs / 75 ohms
Frequency Response		Preamplifier Output Level	1.4 V (at -20 dB)
Phono Input	20 Hz - 20k Hz (0 ± 0.5 dB)	Coaxial / Optical Digital Signals	SPDIF LPCM (up to 24-bit / 192k Hz)
Line Level Inputs	10 Hz - 100k Hz (0 ± 0.5 dB)	PC-USB	USB Audio Class 1.0 (up to 24-bit / 96k Hz)
Damping Factor (20 Hz - 20k Hz, 8 ohms)	220		USB Audio Class 2.0 (up to 32-bit / 384k Hz)* *Driver installation required Room Tested
Input Sensitivity / Impedance		Power Requirements	
Phono Input (MM)	3.4 mV / 47k ohms	Europe	230 V, 50 Hz
Line Level Inputs (RCA)	230 mV / 24k ohms	USA	120 V, 60 Hz
Input Overload		Power Consumption	230 watts
Phono Input (MM)	50 mV	Standby Power Consumption	< 0.5 watts
Line Level Inputs	4 V	BTU (4 ohms, 1/8th power)	632 BTU/h
Preamplifier Output / Impedance	1.2 V / 470 ohms	Dimensions (W x H x D)	430 x 93 x 345 mm 17 x 3 5/8 x 13 1/2 in
Tone Controls - Bass / Treble	± 10 dB at 100 Hz / 10k Hz	Front Panel Height	80 mm, 3 1/8 in
Signal to Noise Ratio (IHF A-weighted)		Weight (net)	8.76 kg, 19.31 lbs.
Phono Input (MM)	90 dB	Finish	Silver and Black
Line Level Inputs	100 dB		

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

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