

# ROTEL

®

£92-50

AM/FM STEREO  
RECEIVER

## RX-152

When your friend asks which AM/FM Stereo Receiver gives quality performance at reasonable cost... turn on the power and let the RX-152 answer

The performance speaks for itself. So does the quality. In a Rotel answer to what Hi-Fi should be. RX-152 AM/FM Stereo Receiver is specially sound-engineered for people entering the world of high fidelity for the first time. Yet it's

mature, so it's also the answer to quality performance at reasonable cost for seasoned audio enthusiasts. For the full-feature story, see the backside of this leaflet.



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**High performance tuner . . .** High performance is one thing the RX-152 has plenty of. FM FET front end, ceramic filters and IC's in the FM IF section give a measure of reliability and improved selectivity that's hard to beat.

**The wide look in a linear FM dial scale . . .** The big measure of extra width makes for easy, precise tuning on this easy-to-see vernier scale.

**Low, low distortion . . .** The low distortion power amplifier has all of the low-noise silicon transistors and advanced semi-complementary SEPP circuitry a stereo receiver needs for exceptional output features: 10 W/10 W RMS continuous power into 8 ohms at less than 1% THD both channels driven in range of 50 to 20,000 Hz.

**The big look in tuning control and meter . . .** The bigness pays off in exceptionally convenient tuning. The smooth flywheel action and clear meter indication puts you right-on the station you want.

**NF equalizer amp . . .** Here's low distortion, again. This time it's a low distortion 2-stage direct coupled NF (negative feedback) circuit that goes to work to achieve accurate RIAA characteristics. The tone control circuit also uses negative feedback type circuitry. The result . . . flawless reproduction.

**Here's the whole story on knob controls . . .** and switches. Volume, bass, treble, balance, selector, loudness, tape monitor, two speaker switches for operating two pairs of speakers, rear panel simulated 4-channel activation

switch for impressive surround sound (that's 4-channel), durable power switch — the RX-152 has them all, which is a natural, but the important thing is we haven't hidden a thing. Everything's out in the open to let you effect the control changes you want quickly.

**Connection facilities . . .** RX-152 quality leaves nothing out. Inputs for PHONO (magnetic and ceramic cartridges), TAPE/AUX, TAPE MONITOR, outputs for TAPE/AUX and TAPE MONITOR, terminals for two pairs of speakers, terminals for balanced 300-ohm and unbalanced 75-ohm FM antenna connections, terminal for external AM antenna, an AM loopstick antenna is built right in the receiver, front panel headphone receptacle, and AC outlet — now are you beginning to see why we say 'quality performance at reasonable cost?' Sure you are.

**That sweeping functional look . . .** Good looks don't mean a thing in a receiver if they aren't functional. So take a closer look at the RX-152: Hair-line brushed extruded aluminum front panel with durable metal knobs, a simulated walnut finish cabinet, lean, compact styling. If it won't match any decor and system that surrounds it — our name isn't Rotel.

### SPECIFICATIONS

#### AMPLIFIER SECTION

Music Power Output (IHF) . . . . .	50 W (4 ohms)
Continuous Power Output (RMS) . . .	16 W/16 W (4 ohms)
(each channel driven)	14 W/14 W (8 ohms)
Continuous Power Output (RMS) . . .	14 W/14 W (4 ohms)
(both channels driven)	12 W/12 W (8 ohms)
	10 W/10 W (8 ohms, in the range
	of 50 to 20,000 Hz at less than
	1% THD)
Harmonic Distortion . . . . .	less than 0.2% (8 W/8 W RMS)
IM Distortion . . . . .	less than 0.5% (8 W/8 W RMS)
Power Bandwidth (IHF) . . . . .	20 to 45,000 Hz (8 ohms)
Frequency Response . . . . .	20 to 60,000 Hz $\pm 3$ dB
Damping Factor . . . . .	30 (8 ohms, 1 kHz)
Input Sensitivity/Impedance . . . . .	TAPE MONITOR 125 mV/ 35 kohms
	TAPE/AUX 135 mV/46 kohms
	PHONO MAG 2.6 mV/45 kohms
	PHONO CER 135 mV/260kohms
Phono Overload . . . . .	80 mV (1 kHz)
Phono Equalization . . . . .	RIAA S.T.D. $\pm 1.5$ dB
Bass Control . . . . .	$\pm 10$ dB at 100 Hz
Treble Control . . . . .	$\pm 10$ dB at 10 kHz
Loudness Contour . . . . .	+10 dB/100 Hz, +5 dB/10 kHz
Crosstalk . . . . .	50 dB/10 kHz
Hum and Noise (S/N) . . . . .	PHONO 65 dB
(continuous power output)	TAPE 70 dB
	Residual 0.5 mV
Speaker Impedance . . . . .	4 to 16 ohms

#### FM TUNER SECTION

Frequency Range . . . . .	88 to 108 MHz
Sensitivity (IHF) . . . . .	4 microvolts
Signal-to-Noise Ratio . . . . .	65 dB
Harmonic Distortion . . . . .	0.2%
Selectivity . . . . .	40 dB $\pm 400$ kHz
Capture Ratio . . . . .	5 dB
Stereo Separation . . . . .	35 dB at 1 kHz
IF Rejection . . . . .	65 dB
Image Rejection . . . . .	50 dB
Spurious Response Rejection . . . . .	65 dB
SCA Suppression . . . . .	60 dB
AM Suppression . . . . .	54 dB

#### AM TUNER SECTION

Frequency Range . . . . .	525 to 1650 kHz
Sensitivity . . . . .	20 microvolts
Selectivity . . . . .	25 dB $\pm 10$ kHz
IF Rejection . . . . .	45 dB
Image Rejection . . . . .	50 dB

#### GENERAL

Power Consumption . . . . .	70 W
Power Supply . . . . .	AC 120 V 60 Hz
Dimensions (overall) . . . . .	474(W) x 114(H) x 267(D)mm
Weight (net) . . . . .	5 kg/11 lbs.

Quality. Uncompromised.

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