

ROTEL®

235-54
RX-454

4 CHANNEL STEREO RECEIVER



HERE is ROTEL RX-454, a fully equipped four channel stereo receiver that houses in one compact yet efficiently designed unit all the advanced electronics of a complete high fidelity music control center. There are many things the receiver can do: for 4-channel, it decodes sources encoded by SQ matrix, plays discrete sources, and converts regular stereo sources to stimulated four-channel sound with a specially built-in 'derived' circuit. For 2-channel (stereo), it can handle two pairs of speaker systems as main and remote, and whenever you wish to share the receiver with your family but not to same music, it will play record discs in one room and AM, FM or tape in another room. Naturally, the superb performance of the receiver is backed

by ROTEL's outstanding technology. With a precise FET front end and four-ganged IFC, the tuner section will give you clear and noise-free broadcast reception. An integrated circuit in the Multiplex section assures excellent separation. And not to forget the power amplifier that is wide-banded negligible distortion. The power output is more than sufficient at 20Wx4 continuous RMS all channels driven, or more than enough at 45Wx2 both channels driven when played as a straight stereo equipment. Needless to say, additional components such as 4-channel or stereo tape recorders can be connected, as well as a CD-4 demodulator if you wish to play discrete four-channel discs. Go take a look at this total receiver yourself!

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SPECIAL FEATURES

- * All Advance Solid State Design.
- * All low-noise and wide-band Silicon Output Transistors.
- * Highly sensitive FET Front End and Four-Gang IF Circuit with Ceramic Filter; Integrated Circuit in Multiplex section.
- * Durable Power Amplifier section that puts out 20W+20W+20W+20W RMS continuous power all four channels driven simultaneously or when in 2-channel operation converts to 45W+45W.
- * ROTEL's exclusive "separate" mechanism that let you play the equipment as two stereo receivers ("2x2CH" mode), being able to operate different programs through the main pair of speakers and the remote speakers simultaneously.
- * Handsomely trimmed aluminum extrusion Front Panel with simply but efficiently laid out Controls.
- * Rotary Controls: Mode, Dual FRONT-BACK Bass and Treble, four individual Level Controls, Master Volume, Function Selector and Tuning.
- * Push Buttons: Power, Front or Main Speaker System, Back or Remote Speaker System, High Filter, Loudness, Tape Monitor and FM Muting.
- * Illuminated Dial Board with wide Linear FM Dial Scale.
- * Illuminated AM/FM Signal Strength Tuning Meter.
- * Illuminated Stereo Light, Function Indicators and Mode Indicators.
- * Rear Panel Connections for stereo or 4-channel tape recorders, stereo phone player, and stereo or 4-channel auxiliary components. Can use Auxiliary Inputs for CD-4 Demodulator if wish to listen to discrete 4-channel records.
- * Convenient AC Outlets (two switched).
- * Front Panel 4-channel and stereo headphone jacks.
- * Attractive Wood Cabinet included.

SPECIFICATIONS

AMPLIFIER SECTION

Total Music Power (IHF)	180W at 4 ohms
Continuous Power (RMS)	24Wx4, 4 channels driven at 4 ohms
	20Wx4, 4 channels driven at 8 ohms
(when in stereo mode)	55Wx2, both channels driven at 4 ohms
	45Wx2, both channels driven at 8 ohms
	(all less than 1% THD at 1KHz)
Harmonic Distortion	0.1% at 18Wx4 RMS, 8 ohms
IM Distortion	0.2% at 18Wx4 RMS, 8 ohms
Frequency Response	15 to 90,000 Hz, -3db at 8 ohms
Power Bandwidth (IHF)	20 to 50,000 Hz at 8 ohms
Input Sensitivity/Impedance	
Phono Mag.	2.5 mV/45K ohms
Aux.	100 mV/25K ohms
Tape Monitor In	200 mV/55K ohms
Tape Din	330 mV/100K ohms
Residual Noise	1.6 mV
Signal to Noise Ratio	
Phono	65 db
Aux, Tape In	70 db
Damping Factor	30 at 8 ohms
Bass Control	±12 db at 50 Hz
Treble Control	±12 db at 10 KHz
High Filter	-10 db at 10 KHz
Loudness	+9 db at 50 Hz
Speaker Impedance	4 to 16 ohms

TUNER SECTION

FM: Antenna Impedance	300 ohms balanced
	75 ohms unbalanced
Sensitivity	2.5 μ V
Harmonic Distortion	0.5%
Signal to Noise Ratio	65 db.
Capture Ratio	3 db
Selectivity	45 db
Stereo Separation	40 db at 1 KHz
Image Rejection	60 db
IF Rejection	70 db
Spurious Response	80 db
AM: Sensitivity	250 μ V/m
Image Rejection	45 db
IF Rejection	45 db
Selectivity	35 db
POWER VOLTAGE	100, 117, 220, 240V
	50/60 Hz
DIMENSIONS	18½"(W) x 13¾"(D)
	x 5"(H)
WEIGHT	22 lbs/10 kg

Note: Features and specifications subject to change without notice.