

Sound Quality Up to Yamaha Standard with Pure Direct, Linear Damping, High Dynamic Power and Advanced Circuits.



1 High Sound Quality

- Pure Direct Amplification
- Super Audio CD and DVD-Audio Ready with Extended Frequency Response
- Linear Damping
- High Dynamic Power, Low-Impedance Drive Capability

2 Advanced Facilities

- Continuously Variable Loudness Control and Bass/Treble/Balance Controls (with Center Clicks)
- Remote Controllable Motor-Driven Volume Control
- Speaker A, B or A+B Selection
- 40-Station AM/FM Random Access Preset Tuning
- RoHS Compliant

RX-397 Main Specifications

[AUDIO SECTION]

Minimum RMS Output Power (8 ohms, 20 Hz—20 kHz, 0.04% THD)	50 W + 50 W
Dynamic Power (8/6/4/2 ohms)	70 W/77 W/89 W/100 W
Damping Factor (8 ohms, 20 Hz-20 kHz)	150 (speaker A)
Input Sensitivity/Impedance	
Phono (MM)	2.5 mV/47 k-ohms
CD	150 mV/47 k-ohms
Frequency Response (Pure Direct)	10 Hz-100 kHz ±1 dB
Total Harmonic Distortion (20 Hz—20 kHz)	
Phono (MM) to Rec Out	0.02%
CD to Sp Out	0.02% (35 W/8 ohms)
Signal-to-Noise Ratio (Input Shorted)	
Phono (MM)	
[Input Shorted 5 mV]	82 dB
CD [Input Shorted 150 mV]	108 dB

[TUNER SECTION]

FM 50dB Quieting Sensitivity	
Mono	2 μV (17.3 dBf)
Stereo	25 μV (39.2 dBf)
FM Usable Sensitivity (Mono)	1 μV (11.2 dBf)
FM Alternate Channel Selectivity	70 dB
FM Signal-to-Noise Ratio (Mono/Stereo)	76 dB/70 dB

[GENERAL SECTION]

Dimensions (W x H x D)	17-1/8" x 5-15/16" x 12-1/8"
Weight	16.3 lbs.

High Sound Quality

Pure Direct Switch

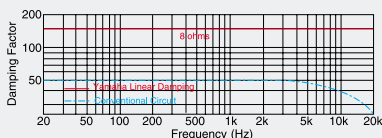
When this switch engaged, the signal bypasses the tone, loudness, balance controls, and other circuit, being fed directly to the discrete power amplifier. It travels in a straight line from the volume control, through the high-gain short, direct path is maximum signal purity.

Super Audio CD and DVD-Audio Ready with Extended Frequency Response

Rather than the usual 20Hz–20kHz frequency response, Yamaha has given the RX-397 the ability to handle frequencies from 10Hz to 100kHz (1dB). Although the ear cannot hear the higher frequencies, it has been proven that these harmonics can affect sound reproduction quality. Super Audio CD, DVD-Audio and other new formats will be able to output sound over this range, so the RX-397 is fully compatible with products using these formats.



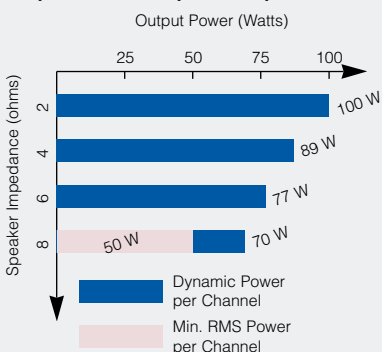
Damping Factor Characteristics



Linear Damping

Yamaha's Linear Damping maintains a high, stable damping factor even at frequencies from 10Hz to 20kHz, where it generally tends to fall off. The result is superior articulation of all sounds.

Output Power vs. Speaker Impedance



Linear Damping

Level variations due to high amp impedance tend to reduce an amplifier's damping factor, and frequency variations cause it to fluctuate. This circuit cancels the effect of these variations, maintaining a high, stable damping factor, for superior articulation of all sounds and better frequency response.

High Dynamic Power, Low-Impedance Drive Capability

The RX-397 is capable of delivering large amounts of reserve power for accurate reproduction of high energy peaks. This emphasizes the music's dynamic qualities and provides a sharper sound image.

Advanced Facilities

Continuously Variable Loudness Control and Bass/Treble/Balance Controls

With this control, the midrange frequencies are attenuated over a continuously varying, level-dependent curve, instead of a fixed level of low and high frequency boost as in conventional loudness controls.

The bass/treble/balance controls are continuously variable, so they can offer smooth and accurate tonal response control over a wide range. And, with the controls set to their center defeat positions, you have a perfectly flat tonal balance, with no influence on the

original sound.

Remote Controllable Motor-Driven Volume Control

The remote unit can be used to turn the volume control. The command from the remote activates a motor which moves the volume knob. Because operation is mechanically driven, signal quality is not degraded.

Speaker A, B or A+B Selection

Speaker A, B or A+B selection lets you listen to either or both of two sets of speakers in two locations.

RoHS Compliant

This environmentally friendly receiver fully complies with the EU's RoHS (Restriction of Hazardous Substances) standards.

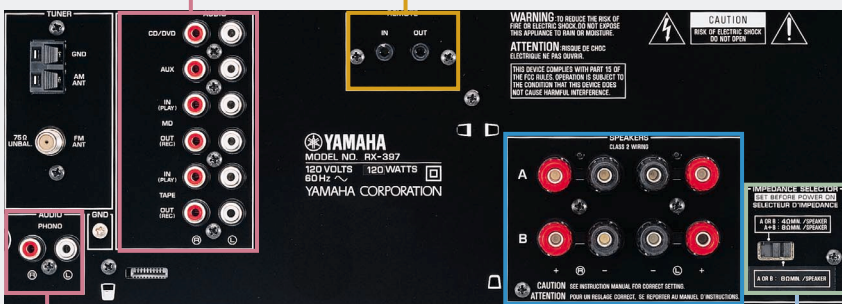
Other Notable Features

- All Electronic Parts are Exceptionally High Quality
- Low-Impedance Power Supply
- Remote Control Input/Output Terminals
- Tape Monitor Switch
- 5 Audio Input Terminals with Phono Input Terminal
- Front Panel Headphone Jack
- Impedance Selector (8 ohms/4ohms)
- 40-Station AM/FM Random Access Preset Tuning
- Auto FM Station Memory and Preset Editing (Auto Station Memory)

RX-397 Extensive Connections

4 Audio Inputs, and 2 Audio Output Terminals

Remote Control Input/Output Terminal



Phono Input Terminal

Speaker L/R (Speaker A, B or A+B Selection) Terminals (2-Way Binding-Post Speaker Terminals [Banana-Plug Compatible])

Impedance Selector (8/4 ohms)

• Product designs and specifications are subject to change without notice.