

High Power and Convenient Features with Pure Direct and Multi-Zone Control Capability.



Black and gold finish available in some areas

1 High Sound Quality

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

2 Advanced Facilities

- Multi-Zone Control Capability with Optional Zone Remote Unit
- Subwoofer Out
- Remote Controllable Motor-Driven Volume Control
- Continuously Variable Loudness Control
- Preset Remote Unit
- RoHS Compliant

RX-497 Main Specifications

[AUDIO SECTION]

Minimum RMS Output Power (8 ohms, 20 Hz—20 kHz, 0.04% THD)	75 W + 75 W
Output Power (4 ohms, 1 kHz, 0.7% THD)	105 W + 105 W
Maximum Power (8 ohms, 1 kHz, 10% THD)	100 W + 100 W
Dynamic Power (8/6/4/2 ohms)	105 W/125 W/150 W/178 W
Damping Factor (8 ohms, 20 Hz-20 kHz)	150 (speaker A)
Input Sensitivity/Impedance	
Phono (MM)	2.5 mV/47 k-ohms
CD	185 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	
Phono (MM) [Input Shorted 5 mV]	82 dB
CD [Input Shorted 185 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)	435 x 151 x 308 mm 17-1/8" x 5-15/16" x 12-1/8"
Weight	7.5 kg; 16.5 lbs.

High Sound Quality

Pure Direct

When Pure Direct 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.

Discrete Amplifier Configuration

The CD buffer amplifier, volume control amplifier and power amplifier are all constructed from carefully selected discrete parts. This configuration provides superior signal quality.

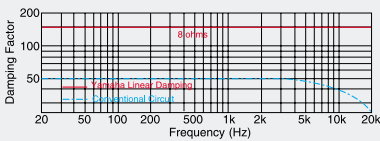
Super Audio CD and DVD-Audio Ready

Rather than the usual 20Hz–20kHz frequency response, Yamaha has given the RX-497 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-497 is fully compatible with products using these formats.



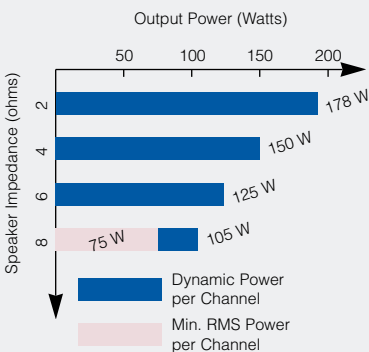
Damping Factor Characteristics



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-497 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

Custom Installation Compatibility

As befits a high performance receiver, the RX-497 is designed to be suitable for use in custom installations. It has a Zone 2 out so the audio signal can be output in a second room. In addition, You can enjoy audio in 3 different zones in your home by using main zone speaker output, Speaker B output, and zone 2 audio/video output. There is also a Zone 2 power switch and an 2-in/1-out remote terminals.

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.

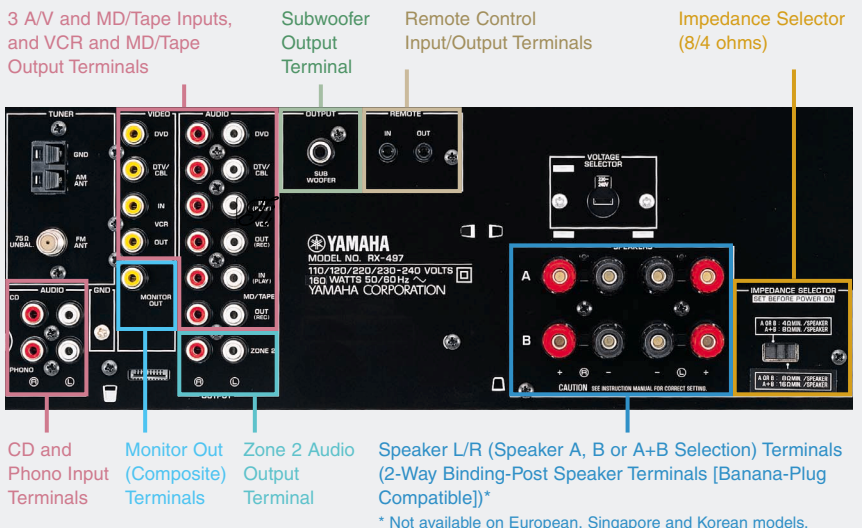
RoHS Compliant

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
- Subwoofer Out
- RDS: Radio Data System (European models only)
- 40-Station AM/FM Random Access Preset Tuning
- Auto FM Station Memory and Preset Editing (Auto Station Memory)
- Preset Remote Control Unit

RX-497 Extensive Connections



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

Brilliant Audio: Titanium
 Availability of titanium finish varies by area. Please contact your dealer for availability.