



Superior HiFi Sound, Comprehensive Network Features

Streaming music, convenient smartphone control, AirPlay compatibility—the Yamaha R-N500 Network Receiver puts all these together, and more. It gives you a wide variety of powerful network features, with the superior quality sound only possible with Yamaha HiFi, and clothes them all in a beautiful, elegant design. Just a single audio component, but one that will broaden your audio world and expand the ways you enjoy music.

This high-performance network HiFi receiver powerfully reproduces a wide range of sound sources, including network audio, with unsurpassed sound quality. It features an app control for easy operability, and has built-in digital input jacks for TV use and more.



Made for
iPod iPhone iPad



Multi Network Enjoyment

- Listen to Internet radio stations from around the world and access music streaming*.
*Available via future firmware update. Service availability depends on regions.
- Enjoy the entire spectrum of all your favourite modern music sources
- AirPlay compatible
- NP Controller App lets you operate from your smartphone or tablet.
- FLAC or WAV 192kHz/24-bit audio playback.

Comprehensive Connectivity

- Digital audio input for TV or Blu-ray player
- USB digital connection for iPod, iPhone, iPad and USB devices

High Quality Sound

- ToP-ART sound quality design and highest quality parts
- Pure Direct Mode for greater sound purity
- Continuously variable loudness control

Elegant Appearance, Energy-saving Convenience

- Simple yet Sophisticated Design
- Eco Mode and Auto Power Standby

Main Specifications

Audio Section		
Maximum Power	(4 ohms, 1 kHz, 0.7 % THD)	105 W + 105 W
Rated Output Power	(8 ohms, 20 Hz–20 kHz, 0.04% THD)	80 W + 80 W
Maximum Power (JEITA)	(8 ohms, 1 kHz, 10% THD)	115 W + 115 W
Dynamic Power per Channel	(8/6/4/2 ohms)	105 W/125 W/150 W/178 W
Input Sensitivity/Impedance	CD etc	200 mV / 47 k-ohms
	Phono MM	3.5 mV / 47 k-ohms
Frequency Response	CD, etc. (20 Hz–20 kHz / 10 Hz–100 kHz)	0 ± 0.5 dB / 0 ± 1.0 dB
Total Harmonic Distortion	CD, etc. to Speaker Out	0.015% (40 W / 8 ohms)
	(20 Hz–20 kHz) Phono MM to Rec Out	0.025% (3 V)
Signal-to-Noise Ratio	CD, etc. (200 mV, Input Shorted)	100 dB
	(IHF-A Network) Phono MM (5 mV, Input Shorted)	87 dB
Network Section		
DLNA		Version1.5 (DMP/DMR function)
File Format		MP3, WMA, MPEG4, AAC, WAV, FLAC
Tuner (FM/AM) Section		
50dB Quietening Sensitivity	(IHF, 1 kHz, 100% Mod., Mono)	3 µV (20.8 dBf)
Signal-to-Noise Ratio	(Mono / Stereo)	71 dB / 69 dB
General Section		
Standby Power Consumption		0.1 W
Dimensions	(W x H x D)	435 x 151 x 387 mm 17-1/8" x 6" x 15-1/4"
Weight		9.8 kg 21.6 lbs.



Multi Network Enjoyment

Listen to Internet radio stations from around the world and access music streaming*

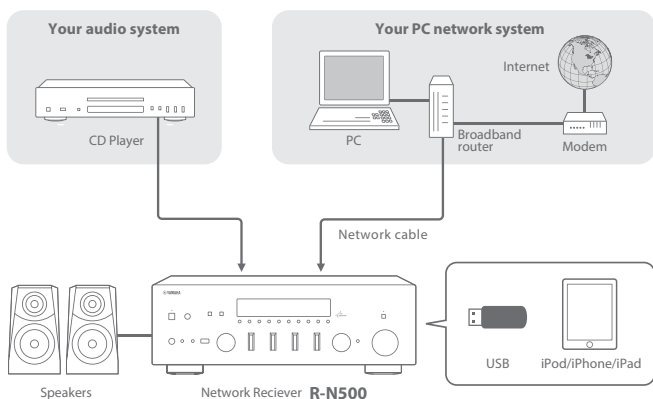
Support for the vTuner radio station database enables sampling of Internet radio broadcasts throughout the world by connecting to the Internet over a LAN. Furthermore, support for music streaming allows you to enjoy a wide variety of music content.

*Available via future firmware update. Service availability depends on regions.



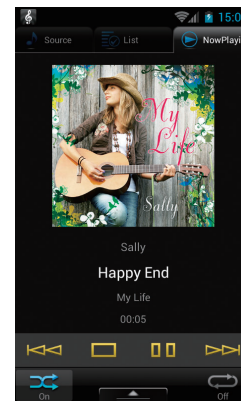
Enjoy the entire spectrum of all your favourite modern music sources

The R-N500 is a receiver and network audio player in a single unit. You can use it to easily play audio sources downloaded from the Internet and stored on a PC or NAS system. Or, enjoy streaming music services and internet radio (with vTuner). Moreover, Yamaha's original NP Controller App allows you to enjoy your favourite tunes on a smartphone or tablet device via wireless connection.



NP Controller App lets you operate from your smartphone or tablet

Download Yamaha's handy NP Controller App and use it to browse through music sources on your smart device's display, and even view song information and album art. What's more, it features a MusicPlay function that lets you enjoy music streaming, without having to select a different app. Compatible with either smartphone or tablet, it also gives you control over network and other settings.



AirPlay compatible

The R-N500 Network Receiver has virtually all of your music playback bases covered. This includes full compatibility with AirPlay—which means you get the convenience of wireless music playback from your Mac, iPod, iPhone or iPad, as well as from a PC.



FLAC or WAV 192kHz/24-bit Audio Playback

Compatibility with FLAC/WAV 192kHz/24bit playback is built in, bringing you the sound accuracy with rich expressive power that's only possible from high resolution sources. Yamaha technologies refined over many years ensure high stability and reliability.

Comprehensive Connectivity

Digital Audio Input for TV or Blu-ray Player

The R-N500 is equipped for digital audio input—with both optical and coaxial terminals. The optical is for receiving audio from a TV, and the coaxial for receiving audio from a Blu-ray player. The audio stays in the digital domain, giving you pure, pristine dynamic sound for all your entertainment sources, from sports and other programmes to movies and concerts.



USB digital connection for iPod, iPhone, iPad and USB devices

The R-N500 provides a USB port on the front panel for quick connection of an iPod, iPhone, iPad or USB stick. You have instant access to all your stored music, and the digital connection ensures that you hear it with the highest possible sound quality.



iPod digital connection capability.

High Quality Sound

ToP-ART Sound Quality Design and Highest Quality Parts



Everything in the R-N500 has been built for maximum performance and high quality. The internal design utilises simple, direct transmission of the signals—ensuring optimum separation, elimination of noise and distortion, and pure sound reproduction. This includes dual independent power supplies for the two sound sources, analog and digital, as well as Yamaha's original ToP-ART (Total Purity Audio Reproduction Technology) and Art Base chassis construction to fully protect audio signals from noise and vibration. Moreover, all parts and materials have been carefully selected and tested, to make sure they are of only the highest quality—so that they all work together to provide the absolute best sound possible.

Pure Direct Mode for Greater Sound Purity

Engaging the Pure Direct switch causes the audio signal to bypass the control circuits for bass and treble, balance and the back buffer amp. This improves sound quality while maintaining full output capacity. Shortening the signal route improves sound purity, helping to reproduce even the most delicate musical nuances.



Continuously Variable Loudness Control

The R-N500 also features a dedicated loudness control on the front panel, which lets you adjust the loudness effect as desired. Separate from the overall volume, this controls the balance of the low- and high-frequency sounds, providing full tonal range at any volume level, compensating for the natural loss in the human ear of high and low frequencies at soft levels.

Elegant Appearance, Energy-saving Convenience

Simple yet Sophisticated Design

With a beautifully simple and unique design inherited directly from Yamaha's HiFi audio components, the R-N500 also boasts an easy-to-operate button layout. The aluminium front panel has a richly textured silver hairline finish. The control knobs are also of the same luxurious construction as used on our top-end models. Both inside and out, everything about the R-N500 demonstrates our commitment to superior design and operability.



Eco Mode and Auto Power Standby



The R-N500 has an ECO mode that reduces power consumption by about 20%*, and an Auto power standby function that you can set to turn the power off after 2, 4, 8 or 12 hours.

*Compared to power consumption when ECO mode is off (Yamaha measurement).

Other Notable Features

- Terminal for a Subwoofer
- Phono MM terminal for vinyl playback
- Screw-type speaker terminals
- 40 station FM/AM preset tuning
- Speaker selector and speaker terminals for two systems

Optional Accessories for Convenience Wireless Connection

WiFi Adapter YWA-10



WiFi Adapter for Wireless Streaming of Additional Music Sources

The YWA-10 makes it possible to stream music wirelessly to the Network receiver from a PC, NAS and internet. 2 LAN port design supports connection of other network device such as Blu-ray player. Power is supplied from the Network receiver via USB.

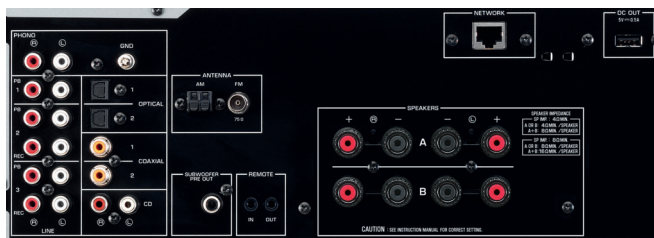
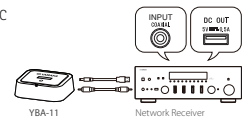


Bluetooth® Wireless Audio Receiver YBA-11



Bluetooth Adapter for Wireless Music Streaming

With the YBA-11, you'll be able to stream music wirelessly from a Bluetooth capable mobile phone or a PC to the Network receiver. Thanks to the digital connection and aptX® audio coding algorithm, you'll enjoy wireless music streaming with optimum sound quality. You can also conveniently power the YBA-11 via the DC-out connection on the rear panel of the R-N500.



European Model

Terminals

Input	
Analogue Audio (CD, PHONO, LINE 1, LINE 2, LINE 3)	5
Optical Digital	2
Coaxial Digital	2
USB	1
Network	1
Radio Antenna* (FM/AM)	1/1

*1 The shape of the FM antenna terminal varies according to area.

Output

Analogue Audio (LINE 2, LINE 3)	2
Speaker**	2 (4 terminals)
Pre Out (for subwoofer)	1
Headphone Jack	1
DC Out (for optional accessories)	1

Others

Remote In/Out	1/1
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** Banana-plug compatible speaker terminals are available in some areas.

*Made for iPod, *Made for iPhone, and *Made for iPad mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance. AirPlay, the AirPlay logo, iPhone, iPod, iPod classic, iPod nano, iPod touch, and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. iPad is a trademark of Apple Inc. • The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Yamaha Corporation is under license. Other trademarks and trade names are those of their respective owners. • The aptX™ software is copyright CSR plc or its group companies. All rights reserved. The aptX™ mark and the aptX logo are trade marks of CSR plc or one of its group companies and may be registered in one or more jurisdictions. • DLNA and DLNA CERTIFIED are trademarks and/or service marks of DigitalLiving Network Alliance.