

Open Up Your New Hi-Fi Life

Featuring high sound quality circuitry design that inherits the Hi-Fi concept and technologies nurtured through Yamaha’s long years of audio development, these units are also compatible with our proprietary network system, MusicCast. These entry class components deliver sound quality and listening and pleasure well beyond its price, and are exceptionally high-performance network Hi-Fi receivers of high value.



High Sound Quality

- High sound quality power amp and circuit design, inherited from Yamaha’s Hi-Fi technology
 - Equipped with four power transistors (two each, left/right)
 - Low impedance, shortest circuit design
- Low-noise circuitry design and high-grade parts
 - Separate analogue and digital section blocks,
 - High-grade capacitors and resistors that are also used in high-end components.
- High resolution music playback with 192 kHz / 24-bit DAC
- High-quality sound in-house-design network module

Wide Variety of Enjoyment

- Enjoy all your favourite modern music sources (Network Audio, Streaming Services, Bluetooth®, AirPlay®, FM radio)
- Compatible with popular music streaming services, including Spotify* – and newly, Tidal and Deezer
- Digital audio input for TV or Blu-ray Disc™ Player
- Phono Input for vinyl playback

Easy to Use, Elegant Appearance

- MusicCast compatibility with MusicCast app
- Gapless playback compatibility
- Screw-type speaker terminals
- Simple yet sophisticated design

Yamaha Eco-Products

With an advanced energy saving design, this product achieves a low power consumption of not more than two watts when in Network Standby mode.



Yamaha Eco-Label
Yamaha Eco-Label is a mark that certifies products of high environmental performance.

Specifications

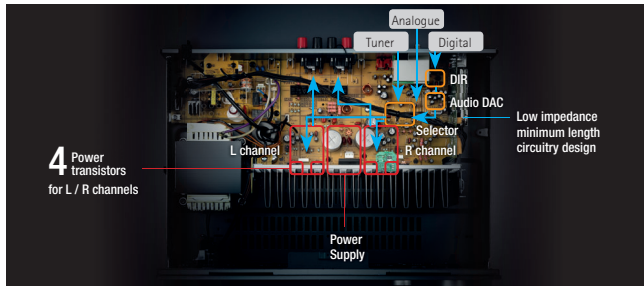
Output Power	
Minimum RMS Power	100 W + 100 W (8 ohms, 40 Hz–20 kHz, 0.2 % THD)
Maximum Power	140 W + 140 W (8 ohms, 1 kHz, 10 % THD)
Dynamic Power per Channel (8/6/4/2 ohms)	125 W / 150 W / 165 W / 180 W
Network	
LAN (DLNA ver. 1.5 (DMR), Wi-Fi)	
Supported Format	
MP3, WMA, MPEG4 AAC 48 kHz / 320 kbps WAV, FLAC, AIFF 192 kHz / 24-bit, ALAC 96 kHz / 24-bit DSD 2.8 / 5.6 MHz	
Bluetooth	
(Version) 2.1 + EDR, (Profile) A2DP, AVRCP (Audio codec) SBC, AAC* * Receiving only.	
Terminals	
(Input) Analogue Audio (PHONO, CD, LINE 1, LINE 2) :4 Optical Digital :1, Coaxial Digital :1 (Outputs) Analogue Audio (Line2) :1, Headphone :1 Speaker :2 (4 terminals)	
Tuner	
FM / AM	
0.1 W 1.7 W (Wired, Network standby on)	
Standby Power Consumption	
1.8 W (WiFi, Network standby on) 1.8 W (Wireless Direct, Network standby on) 1.8 W (Bluetooth, Network standby on)	
Dimensions (W x H x D)	
435 x 141 x 340 mm; 17-1/8" x 5-1/2" x 13-3/8" (without antenna) 435 x 202 x 340 mm; 17-1/8" x 8" x 13-3/8" (with antenna up)	
Weight	
7.2 kg; (15.9 lbs)	
Supplied Accessories	
Owner’s manual, Remote control, Batteries (x 2), FM antenna cord, AM antenna cord	



High Sound Quality

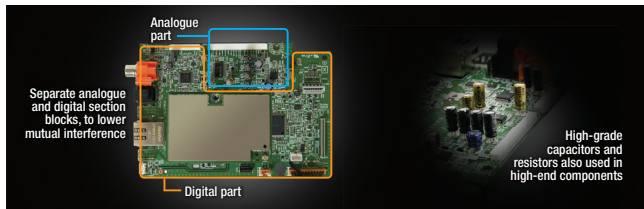
High Sound Quality High Power Amp

Each unit is equipped with a high-quality/high-power amp, featuring a single push-pull and discrete configuration that delivers a maximum output of 140 watts/channel (8Ω). Its low-impedance design minimises the lengths of the audio signal paths, while placing the power supply unit near the amp unit eliminates energy loss, achieves superior drivability for optimum sound reproduction with all kinds of speakers, providing exceptionally dynamic, exciting sound.



Low-noise Circuitry Design and High-grade Parts

These units adopt circuitry design that prioritises sound quality, drawing on Yamaha's Hi-Fi concept, and effectively lowering mutual interference by dividing the analogue section and digital section into separate blocks. It utilizes carefully selected sound quality parts also used in high-end models, which have been thoroughly optimized for sound quality. The result is exceptionally low noise and superior S/N performance, for sound reproduction filled with a sense of spaciousness.



Supports High Resolution Music

The R-N303 is compatible with high-resolution sound sources of DSD 5.6 MHz native and AIFF / WAV / FLAC 192 kHz / 24-bit, as well as Apple Lossless 96 kHz / 24-bit. It uses a Burr-Brown 192 kHz / 24-bit DAC to deliver superior S/N performance. Combined with Yamaha's original network module, the unit thoroughly draws out all the sonic merits of high-resolution sound sources, effectively reproducing even the subtle ambience of concert halls and delicate expressive nuances in the sound.

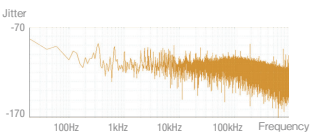


High-quality Sound In-house-design Network Module

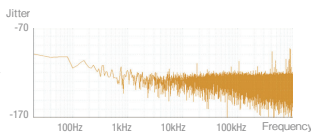
The key device that determines the sound quality of network audio is the Yamaha Original Network Module, which contains a high precision low-jitter clock that improves the reproduction of high resolution sound sources. Pure audio clock generation without an added jitter constituent caused by the clock generator sharply lowers the creation of jitter noise in playing network and USB / Bluetooth® sources, and achieves further S/N improvement. It faithfully distinguishes delicate differences in the sonic characteristics of high resolution sound.



Audio clock jitter of conventional modules



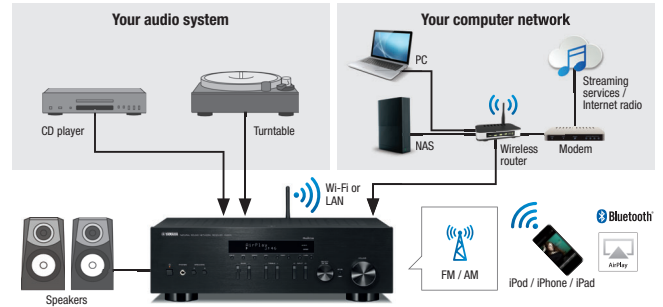
Audio clock jitter of the new module



Wide Variety of Enjoyment

Enjoy All Music Sources

This network receiver, of course, lets you enjoy music from CD players and turntables, but it also can play music you have stored on computer or NAS (network-attached storage). Moreover, with just this single device, you can play wireless music in smart phones or tablets using Bluetooth® or AirPlay®, as well as a variety of music from various streaming services, and FM / AM.



MusicCast Expands Entertainment Possibilities

MusicCast employs a high performance wireless network to deliver music and audio enjoyment. It can stream digital music content from your smartphone, PC or NAS to other MusicCast devices in your home. It can also share the music from external devices such as a CD player or TV connected to the R-N303. Audio content from Bluetooth-connected smartphones or tablets can also be streamed to MusicCast devices in multiple rooms.



Digital Audio Input for TV or Blu-ray Disc™ Player

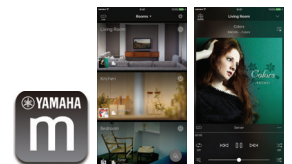
This model is equipped for digital audio input with both optical and coaxial terminals. The optical is for receiving audio from a TV, and the coaxial for receiving audio from a Blu-ray Disc™ player. The audio stays in the digital domain, giving you pure, pristine dynamic sound for all your entertainment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



Easy to Use

MusicCast CONTROLLER for Easy Operation

Control. It's all in the palm of your hands – with the free MusicCast CONTROLLER app. Simply tap and flick on the intuitively designed screen, and easily operate all of your MusicCast devices, as well as the R-N303.



• AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion or later, and Mac and PC with iTunes 10.2.2 or later. Supports iOS 7 or later for setup using Wireless Accessory Configuration. "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, iPad, iPhone, iPod, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. • 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 licence. Other trademarks and trade names are those of their respective owners. • The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance. The Wi-Fi Protected Setup Identifier Mark is a mark of the Wi-Fi Alliance. "Wi-Fi," "Wi-Fi Protected Setup", "Wi-Fi Direct" and "Miracast" are marks or registered marks of the Wi-Fi Alliance. • Spotify and Spotify logo are registered trademarks of the Spotify Group. • Napster and the Napster logo are trademarks and registered trademarks of Rhapsody International. • JUKE and JUKE logo are registered trademarks of Media-Saturn-Holding GmbH. • TIDAL and TIDAL logo are registered trademark of Aspiro AB in the European Union and other countries. • Deezer and Deezer logo are international trademarks of Deezer S.A., registered in France and other countries. • DLNA™ and DLNA CERTIFIED™ are trademarks or registered trademarks of Digital Living Network Alliance. All rights reserved. Unauthorized use is strictly prohibited.