YAMAHA

Network Stereo Receiver
R-N303

Handsomely Practical

We are pushing our Hi-Fi engineering ideas to extend into this entry-class network receiver with modern day wireless connectivity and the nostalgia of vinyl with a phono input terminal. The R-N303 is the perfect blend of technology and timeless elegance.

MusicCast · WiFi CERTIFIED · dlna CERTIFIED · Bluetooth · AirPlay · Made for iPod iPhone iPad · Spotify · Spotify · pandora

napster · SiriusXM · TIDAL · DEEZER · ECOmode · ECO

*Streaming service availability varies by region.

High Sound Quality

- High sound quality power amp and circuit design, inherited from Yamaha 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 analog 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 designed network module

Wide Variety of Enjoyment

- Enjoy all your favorite modern music sources
  (network audio, streaming services, *Bluetooth*®, AirPlay®, FM radio)
- Compatible with popular music streaming services, including Spotify — and the latest: 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

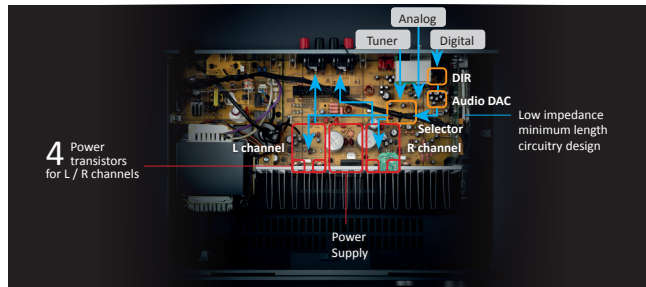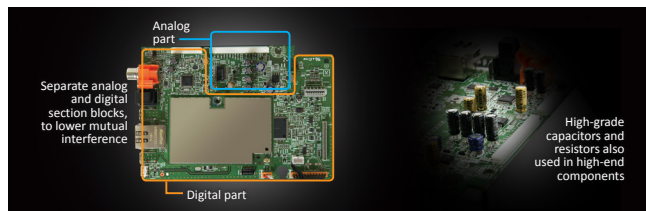| Specifications	
Output Power	
Minimum RMS Power	100 W + 100 W (8 ohms, 40 Hz–20 kHz, 0.2% THD)
Maximum Power	140 W + 140 W (8 ohms, 1 kHz, 10% THD)
Dynamic Power per Channel (8 / 6 / 4 / 2 ohms)	125 W / 150 W / 165 W / 180 W
Network	LAN (DLNA ver. 1.5 (DMR)), Wi-Fi®
Supported Format	MP3, WMA, MPEG4 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) Analog Audio (PHONO, CD, LINE 1, LINE 2): 4
	Optical Digital: 1, Coaxial Digital: 1
	(Outputs) Analog Audio (Line2): 1, Headphone: 1
	Speaker: 2 (4 terminals)
Tuner	FM / AM
Standby Power Consumption	0.1 W
	1.7 W (Wired, Network Standby on)
	1.8 W (Wi-Fi, Network Standby on)
	1.8 W (Wireless Direct, Network Standby on)
	1.8 W (*Bluetooth*, Network Standby on)
Dimensions (W x H x D)	17-1/8" x 5-1/2" x 13-3/8" (without antenna)
	17-1/8" x 8" x 13-3/8" (with antenna up)
Weight	15.9 lbs.
Supplied Accessories	Remote control, batteries (x 2),
	FM antenna cord, AM antenna cord

High Sound Quality

Sonic Boom

Engineered for sonic power, the R-N303 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 minimizes the lengths of the audio signal paths, while placing the power supply unit near the amp unit eliminates energy loss and 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

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

Built for High Resolution

The R-N303 is compatible with high-resolution sound sources: 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 the Yamaha 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.
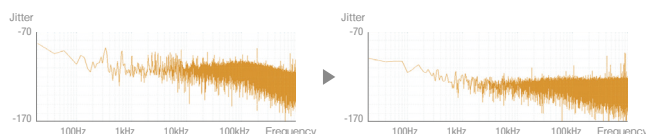
High-Quality Sound, In-House Designed Network Module

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 when playing network, USB and *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
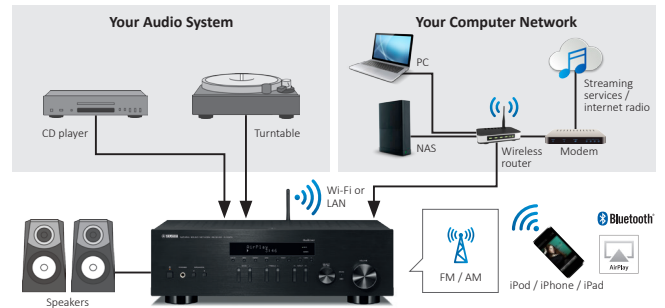

Wide Variety of Enjoyment

Enjoy All Music Sources

This network receiver lets you enjoy music from CD players and turntables, and it can play music you have stored on your computer or NAS (network-attached storage). Moreover, with just this single device, you can play music wirelessly from smartphones or tablets using *Bluetooth* or AirPlay®, as well as a variety of music from streaming services and FM/AM radio.

MusicCast Expands Entertainment Possibilities

MusicCast uses your existing 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 receiver 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 programs to movies and concerts.

Easy to Use

Fingertip Control

Tap, swipe and control with the free MusicCast app. Download the intuitively designed app and seamlessly operate the R-N303 and other MusicCast devices.

R-N303-NPB