

All-round 6.1 Channel High Performance Receiver featuring Network Receiver functions, XM Satellite Radio “Ready” with XM HD Surround and iPod compatibility via the optional Yamaha YDS-10.



1 Network Receiver Functions

- Playback MP3/WMA/WAV music from PC's
- USB flash drive/music player compatibility
- Internet radio playback compatibility
- MusicCAST Client compatibility

2 Advanced Features

- XM Ready with XM HD Surround powered by Neural Surround
- Compatible with iPod via optional Yamaha YDS-10
- Compressed Music Enhancer
- On-screen display

3 High Sound Quality

- 6.1-channel, 570W powerful surround sound (95W x 6)
- Digital ToP-ART and High Current Amplification
- 192kHz/24-Bit DACs for all channels

4 High Picture Quality

- 3 HDTV compatible component video inputs
- Component video up-conversion
- Digital video processing with TBC (Time Base Corrector)

Decoder Straight

- Dolby Digital
- Dolby Digital EX
- DTS Digital Surround
- DTS 96/24
- DTS-ES Matrix 6.1
- DTS-ES Discrete 6.1
- Dolby Pro Logic
- Dolby Pro Logic II Music
- Dolby Pro Logic II Movie
- Dolby Pro Logic II Game
- Dolby Pro Logic IIx Music
- Dolby Pro Logic IIx Movie
- Dolby Pro Logic IIx Game
- DTS Neo:6 Music
- DTS Neo:6 Cinema
- Neural Surround

HiFi DSP Programs

- | | |
|---------------|--------------------|
| MUSIC | ● Hall in Vienna |
| | ● The Roxy Theatre |
| | ● The Bottom Line |
| ENTERTAINMENT | ● Disco |
| STEREO | ● 6-Channel Stereo |

CINEMA DSP Programs

- | | |
|---------------|--------------|
| ENTERTAINMENT | ● TV Sports |
| | ● Mono Movie |
| | ● Game |
| MUSIC | ● Pop/Rock |
| | ● Spectacle |
| | ● Sci-Fi |
| MOVIE THEATER | ● Adventure |
| | ● General |
| STANDARD | ● Enhanced |

Program Total

- | | |
|------------------------|-------------------------|
| ● HiFi DSP Programs | ● CINEMA DSP |
| ● Tri-Field CINEMA DSP | ● Quad-Field CINEMA DSP |

d-cinema "d-cinema" is the slogan of Yamaha A/V products and technology, reflecting our focus on digital technology and our leadership in creating and refining digital home theater.

Network Receiver Functions

Network Receiver

This model is the first Yamaha receiver to offer network receiver functions. Using network connection and Windows Media Connect 2.0 technology, it lets you play MP3, WMA and WAV music from remote PC's. You can also listen to any of the thousands of stations available on Internet radio.



The RX-N600 provides even more listening options. It can function as a client in Yamaha's MusicCAST home audio network, seamlessly integrating with the MCX-2000. A USB terminal on the front panel makes it convenient to play music from USB flash drives and portable USB music players. And the optional YDS-10 lets you connect your iPod to the receiver.



LAN terminal on rear panel (top) and front panel Video Aux terminals with USB port (bottom)

* Not compatible with certain components and music server.

Advanced Features

XM Satellite Radio "Ready" with XM HD Surround Powered by Neural Surround

This receiver is XM Satellite Radio "Ready," allowing you to hear over 170 digital channels of music, news, sports, talk and entertainment from America's number one Satellite Radio service. To get XM Satellite Radio the XM Mini-Tuner and Home Dock including home antenna are required (sold separately). Just subscribe to XM Satellite Radio to hear radio as it was meant to be!



This receiver is also capable of receiving XM Satellite Radio with XM HD Surround powered by Neural Surround. This is a new advance in surround technology that allows delivery of a more detailed sound stage with superior channel separation and localization of audio elements.

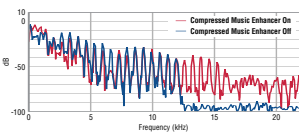
XM has it's own position on the source selector, for quick, direct selection.

On-Screen Display

The receiver displays iPod, PC, Internet radio and MusicCAST music or station information on the screen, and you can make receiver settings while viewing the screen.

Compressed Music Enhancer

Yamaha employs sophisticated digital signal processing with our exclusive algorithms to enable playback that improves iPod, MP3 and WMA music quality.



With the Compressed Music Enhancer, highs and especially lows are richer and smoother, with an exciting live feel.

High Sound Quality

Digital ToP-ART and High Current Amplification

The Digital ToP-ART design concept combines the latest and best technologies, parts and circuit designs to maximize sound quality. High Current Amplification uses superior components to achieve high current power with low impedance from power supply circuit to speaker terminals.



192kHz/24-Bit DACs for All Channels

This receiver uses extremely high performance 192kHz/24-bit DACs for all channels.

High Performance CINEMA DSP LSI

This receiver uses Yamaha's recently developed LSI with 64-bit floating point quantization processing, for high speed, high density digital sound field processing.



New CINEMA DSP LSI

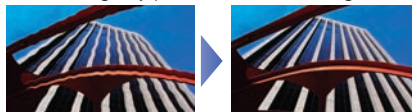
High Picture Quality

Component Video Up-Conversion

Component video up-conversion (composite to S-Video and component, S-Video to component) as well as down video conversion (S-video to composite) is automatically applied to incoming signals.

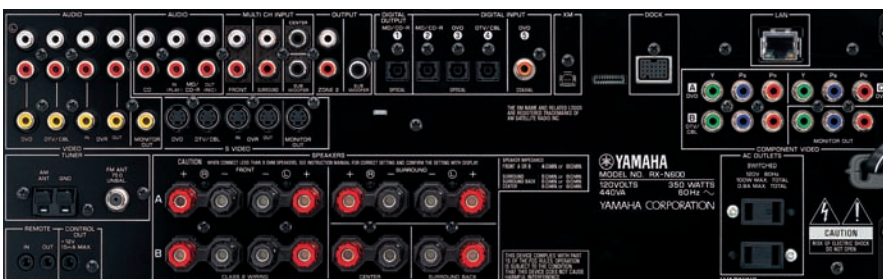
Digital Video Processing with TBC

Analog Devices' high performance encoder and decoder digitally processes the video signal to



Without TBC

With TBC



Inputs	Quantity
LAN Terminal / USB* Terminal	1 / 1
XM Connect-and-Play	1
Dock Terminal for YDS-10	1
Optical / Coaxial Digital**	3 / 1
S-Video	3
Analog A/V / Audio*	4 / 2
Component Video**	3
Multi-Channel External Decoder	6ch

Outputs	Quantity
Analog A/V / Audio	1 / 1
Optical Digital (Fixed and Assignable)	1
S-Video	1
Component Video Monitor	1
S-Video / Composite Monitor	1 / 1
Speaker (without subwoofer)	6ch/8 ter.
Subwoofer	1
Zone 2 Audio Out	1
Remote In/Out	1 / 1
Control Out	1

** Including front panel terminals.

* Fixed and assignable

• The XM Satellite Radio service is only available in the 48 contiguous United States (not available in Alaska and Hawaii) and Canada. • XM name, XM Ready and related logos are registered trademarks of XM Satellite Radio, Inc. • iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. • Windows Media is a registered trademark of Microsoft Corporation. • Dolby, Pro Logic and Double D are trademarks of Dolby Laboratories Corporation. • DTS and Neo6 are trademarks of Digital Theater Systems, Inc. • Neural Surround™ name and related logos are trademarks owned by Neural Audio Corporation. • CINEMA DSP is a trademark of Yamaha Corporation. • SILENT™ is a trademark of Yamaha Corporation. • Product designs and specifications are subject to change without notice.

ensure high image quality. A Time Base Corrector (TBC) eliminates time base errors such as curved or bent lines that should be straight.

Other Notable Features

- Front panel video aux terminals
- 3 HDTV compatible component video input terminals (Assignable)
- Direct Stereo for high quality 2-channel sound reproduction
- Quad-Field/Tri-Field CINEMA DSP and 14 surround programs
- Night Listening Enhancer (Cinema and Music) and SILENT CINEMA
- Virtual CINEMA DSP
- Audio Delay for adjusting lip-sync (0-160ms)
- Preset remote unit with illuminated input indicators
- Zone 2 control and Zone on/off switch on front panel
- Selectable 9-subwoofer crossover frequencies (40, 60, 80, 90, 100, 110, 120, 160, 200 Hz) / Subwoofer phase select
- Sleep timer
- 40-station preset tuning
- Auto preset tuning

Universal Dock for iPod

YDS-10

The optional YDS-10 Universal Dock lets you connect your iPod to this receiver. You can listen to your iPod music and watch iPod images and movies on your monitor via the receiver. You can also operate your iPod via the receiver's remote unit with the On-Screen Display and charge your iPod.

Works with:

- iPod nano
- iPod mini
- iPod (Click and Wheel)



iPod not included



Main Specifications

Minimum RMS Output Power	(8 ohms, 20 Hz-20 kHz, 0.06% THD)
Front L/R Channels	95 W + 95 W
Center Channel	95 W
Surround L/R Channels	95 W + 95 W
Surround Back Channel	95 W
Maximum Output Power per Channel [for Europe]	(4 ohms Load/8 ohms Position, 1 kHz, 0.7% THD)
Front L/R Channels	145 W + 145 W
Center Channel	145 W
Surround L/R Channels	145 W + 145 W
Surround Back Channel	145 W
Maximum Power (8 ohms, 1 kHz, 10% THD)	
Front L/R Channels	135 W
Center Channel	135 W
Surround L/R Channels	135 W
Surround Back Channel	135 W
Dynamic Power (1 kHz)	
8/6/4/2 ohms	130/165/195/240 W
Damping Factor	
(8 ohms, 20 Hz-20 kHz)	120 (speaker A)
Frequency Response	10 Hz-100 kHz +0, -3 dB
Total Harmonic Distortion (CD, Front Sp Out)	0.06%
(50 W/8 ohms)	
Signal-to-Noise Ratio (CD)	100 dB (250 mV)
Monitor Out Frequency Response	
Component Video Signal	5 Hz-60 MHz -3 dB
Standby Power Consumption	0.1 W
Dimensions (W x H x D)	17 1/8" x 6 3/4" x 15 1/2"
	435 x 171 x 393 mm
Weight	25.8 lbs.; 11.7 kg