

Network AV Receiver with 6 in/2 out HDMI (3D and ARC compatibility), iPhone app compatibility, front panel HDMI and USB digital connections, HD Audio decoding with CINEMA DSP 3D, YPAO Multipoint functionality, and 1080p upscaling.



Audio Features

- 7-channel powerful surround sound
665W = 95W x 7 (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)
1,120W = 160W x 7 (8 ohms, 1 kHz, 10 % THD, 1 ch driven, JEITA)
- HD Audio format decoding: Dolby TrueHD and DTS-HD Master Audio; Dolby Digital Plus and DTS-HD High Resolution Audio
- Discrete amp configuration
- Pure Direct for highest resolution sound
- Low jitter PLL circuitry helps optimise sound imaging
- Assignable amplifiers for bi-amp connection
- Intelligent assignable amplifiers for Surround Back <-> Front Presence or Zone 2

Video Features

- Analogue and HDMI video upscaling to full HD 1080p
- 1080p-compatible HDMI: 6 inputs (1 on front) and 2 output
- Supports Deep Colour (30/36 bit), x.v.Colour, 24Hz Refresh Rate and Auto Lip-Sync compensation
- High quality video processing with precise deinterlacing
 - Motion adaptive and edge adaptive deinterlacing
 - Multi-cadence (incl. 3-2 pull-down) detection
- HDMI with 3D and Audio Return Channel

Advanced Features

- SCENE buttons (BD/DVD, TV, CD and Radio)
 - Quick and simple to use
 - HDMI CEC powers up compatible TVs and Blu-ray Disc™ players
- Network functions
 - AV Controller app for operating various functions from an iPhone or iPad, etc.
 - Android app available in the coming months
 - Access to: Internet Radio (vTuner): MP3, WMA
Music files on PC: WAV, MP3, WMA, AAC, FLAC
 - DLNA 1.5 certified
- Front panel USB Digital Connection for iPod and iPhone
- Advanced multi-language GUI on-screen display with album art
- HDMI front panel input for devices such as camcorders and digital cameras
- HDMI CEC with versatile control from AV Receiver remote control
- YPAO sound optimisation with multi-point measurement
- Audio input assign capability for HDMI and component video input

- Ability to change HDMI Input while in Standby Through mode
- iPod/iPhone compatibility with optional YDS-12 Universal Dock
- Wireless connection for iPod/iPhone with optional YID-W10
- Bluetooth (A2DP) compatibility with optional Yamaha Bluetooth® Wireless Audio Receiver YBA-10
- iPod/iPhone song titles displayed in English and Western European languages on the front panel and on-screen display
- Dialogue Lift
- Audio Delay for adjusting Lip-Sync (0-250ms)
- Preset remote unit
- Background video feature (for tuner, Net and USB)

Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programmes)
- Compressed Music Enhancer with CINEMA DSP
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence Speakers
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level
- SILENT CINEMA and Virtual CINEMA DSP

Versatile Zone Control

- Zone 2 on/off and control on front panel
- Zone sleep and system sleep
- Party mode
- Remote input/output
- Programmable +12V trigger output

Eco-Friendly Design

- Auto power down function with variable time setting
- Low Standby Power Consumption of 0.1 W
- Low Standby Power Consumption of 2.0 W (HDMI Standby Through mode)

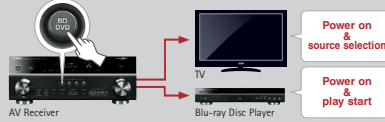
Use in a Home Network for More Music, Easy Control

This AV Receiver can be the control centre of a home entertainment network connected to the internet. You can use the AV Controller app for control from an iPhone, etc., and enjoy internet radio from vTuner.



SCENE with CEC Compatibility

Pressing a SCENE button turns on the AV Receiver, TV and Blu-ray Disc™ player and starts disc play. The remote unit can control basic player functions without being preset. *All connected devices must be HDMI CEC compatible. Some CEC compatible TVs/players may not work.



On-Screen Advanced GUI (Graphical User Interface)

Yamaha's latest Graphical User Interface has a high resolution display with clear, easy-to-use menus and also includes a selectable Status Bar that shows input source, volume level, DSP mode and audio format. The GUI can be displayed over both normal and 3D pictures.



Main Specifications

Audio Section	
Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)	
Front L/R	95 W + 95 W
Centre	95 W
Surround L/R	95 W + 95 W
Surround Back L/R	95 W + 95 W
Maximum Effective Output Power (8 ohms, 1 kHz, 10 % THD, 1 ch driven, JEITA)	
Front L/R	160 W/ch
Centre	160 W
Surround L/R	160 W/ch
Surround Back L/R	160 W/ch

Dynamic Power/Ch (Front L/R, 8/6/4/2 ohms)	140/180/210/250 W
General	
Standby Power Consumption	
HDMI Control off, Standby Through off	0.1 W
HDMI Control on, Standby Through on	2.0 W
Dimensions (W x H x D)	435 x 171 x 368 mm
Weight	11.2 kg

Optional Accessories

Universal Dock for iPod/iPhone
YDS-12



Wireless Dock System for iPod/iPhone
YID-W10



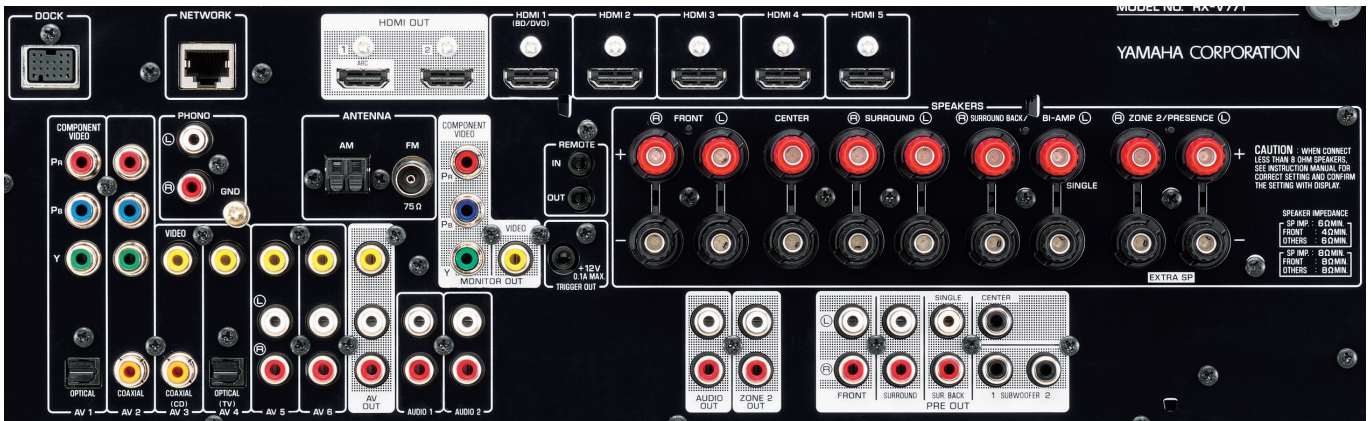
AirWired



Yamaha Bluetooth® Wireless Audio Receiver
YBA-10



* Availability varies depending on area.



Extensive Connections

Inputs	
HDMI*1 (Audio Input Assignable*2)	6
Network	1
USB*1	1
Radio Antenna (FM/AM)*3	1 / 1
Dock Terminal for Optional Dock Accessories	1
Optical Digital	2
Coaxial Digital	2
Analogue Audio*1 (with Phono)	6
Component Video (Audio Input Assignable)	2
Composite Video*1	5

*1 Including front panel terminals.

*2 Front HDMI input is not assignable.

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

Outputs	
HDMI	2 (simultaneous)
Analogue Audio	1
Analogue AV	1
Pre Out	7.2ch
Component Video Monitor	1
Composite Monitor	1
Composite AV	1
Speaker (without subwoofer)*4/*5/*6	7ch / 9 ter
Subwoofer	2 x mono
Headphone Jack	1

*4 Assignable for surround back L/R to bi-amp (front L/R).

*5 Extra speaker terminals are assignable to Zone 2 or Presence.

*6 Banana-plug compatible speaker terminals are not available in some areas.

Others	
Zone 2 Audio Out	1
Remote In/Out	1 / 1
+12V/0.1A Trigger Out	1

• *Made for iPod, and *Made for iPhone, mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, 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, may affect wireless performance. iPhone, iPod, iPod classic, 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. • Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. • DTS and the Symbol are registered trademarks and the DTS logos are trademarks of DTS, Inc. • Windows is a registered trademark of Microsoft Corporation in the United States and other countries. • HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. • DLNA Certified is a trademark of the Digital Living Network Alliance. • *x.v.Colour™ is a trademark of Sony Corporation. • CINEMA DSP is a trademark of Yamaha Corporation. • SILENT CINEMA is a trademark of Yamaha Corporation. • Product designs and specifications are subject to change without notice.