YAMAHA

AV Receiver
RX-V777BT

Superior audio quality 7.2-channel Wi-Fi Built-In Network AV Receiver, support for the latest HDMI version, HDMI Zone B for flexible system setup, high-grade aluminum front panel and the world's most advanced features, including CINEMA DSP 3D and YPAO Volume. Bluetooth adapter included.

Audio Features

- 7-channel powerful surround sound
  110W per Channel (8 ohms, 1 kHz, 0.9% THD, 2 ch driven)
  95W per Channel (8 ohms, 20 Hz–20 kHz, 0.09% THD, 2 ch driven)
- HD Audio format decoding: Dolby TrueHD and DTS–HD Master Audio
  Dolby Digital Plus and DTS–HD High Resolution Audio
- Aluminum front panel for enhanced rigidity
- Full discrete amp configuration
- Pure Direct for pure HiFi sound quality enjoyment
- Burr–Brown 192 kHz/24–bit DACs for all channels
- Low jitter PLL circuitry helps optimize sound imaging
- Assignable amplifiers for front speaker bi-amp connection
- Intelligent assignable amplifiers for Surround Back <–> Front Presence or Zone 2
- FLAC or WAV 192kHz/24–bit audio playback
- Apple Lossless audio playback

Video Features

- The latest HDMI version support for 4K 50/60p input
- 4K / full HD 1080p video upscaling from analog and HDMI input
- HDMI: 6 (1 on front) and 2 output with 3D and Audio Return Channel
- Supports Deep Color (30/36 bit), x.v.Color, 24 Hz 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

Advanced Features

- SCENE buttons with direct power on (BD/DVD, TV, Net and Radio)
  - Quick and simple to use
  - HDMI CEC powers up compatible TVs and Blu-ray Disc™ players
- Network functions
  - Easy Wi-Fi setup i.e. iOS Wi-Fi setting sharing, WPS etc.
  - AirPlay allows music streaming from Mac, PC, iPod, iPhone, iPad
  - AV Controller app for operating various functions from an iPod, iPhone, iPad or Android phones
  - Access to: Internet Radio (vTuner): MP3, WMA
         Streaming Services (Pandora®*, Rhapsody®*, Spotify®*, SiriusXM)
         *Music service availability varies by region.
         Music files on PC/NAS: WAV, MP3, WMA, AAC, FLAC, Apple Lossless
  - DLNA 1.5 certified
- Wireless Direct connects a mobile device directly without home network
- Gapless playback compatibility allows play without interruption
- HTC Connect™ for music streaming from HTC Connect™ compatible smartphones

- MHL supports full HD video and audio from mobile phones and portable devices
- Front panel USB Digital Connection for iPod, iPhone and iPad
- iPod/iPhone/iPad song titles displayed in English and Western European languages on the front panel
- Advanced multi-language GUI on-screen display with album art
- YPAO R.S.C. (Reflected Sound Control) sound optimization with multi-point measurement
- HDMI front panel input for devices such as camcorders and digital cameras
- Audio input assign capability for HDMI and component video input
- Ability to change HDMI input while in Standby Through mode
- Audio Delay for adjusting Lip-Sync (0–500 ms)
- Background Video feature (for Radio/USB/NET/AUX input)
- USB DC Out

Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programs)
- Compressed Music Enhancer with CINEMA DSP
- Dialogue Lift ensures that dialogue comes from the center of the screen
- Virtual dialogue lift even without use of front presence speakers
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence Speakers
- Virtual CINEMA FRONT provides virtual surround sound with 5 speakers in front
- YPAO Volume to ensure natural sounds even at low volume
- Extra Bass enriches powerful bass sound, even with small speakers
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP level
- SILENT CINEMA to enjoy surround sound with headphones
- Two subwoofer outputs (simultaneous outputs)

Versatile Zone Control

- HDMI Zone B for audio/video streaming to another room (same content as main room)
- Zone 2 on/off and control on front panel
- Zone max volume and initial volume setting
- Party mode
- Remote input/output
- Programmable +12V trigger output

Eco-Friendly Design

- ECO mode operation for about 20%* less power consumption
  *Compared to power consumption when ECO mode is off (Yamaha measurement).
- Auto power standby function with variable time setting
- Low standby power consumption of 0.15 W

Powered by music

RX-V777BT

Wi-Fi Built-in Provides Superior Functionality with Easy Setup

Wi-Fi Built-in improves installation flexibility. WPS and other types of Wi-Fi setup are supported. By using Wireless Direct, you can connect the AV Receiver wirelessly and directly to a smartphone, making it possible to enjoy music files on the phone via AirPlay or HTC Connect™, and to operate the receiver via AV Controller App.

YPAO with R.S.C., Volume and Multipoint Measurement

YPAO analyzes the room acoustics and your system, then precisely adjusts various audio parameters to provide optimum sound. YPAO R.S.C. (Reflected Sound Control) enhances the sound to studio-grade quality. YPAO Volume automatically adjusts the high and low frequency levels at any volume level so that you hear natural sounds even at low volume.

Support for Latest HDMI Version and 4K Ultra HD Upscaling

The RX-V777BT supports the latest version of HDMI for 4K 60p transmission, and provides two HDMI outputs. You'll have no problem upgrading your system far into the future. In addition, 4K Ultra HD upscaling boosts lower resolution images to super high-definition, ensuring compatibility with the latest ultra high-resolution video formats.

Main Specifications

Audio Section

Rated Output Power (8 ohms, 1 kHz, 0.9% THD, 2 ch driven)	
Front L/R	110 W + 110 W
Center	110 W
Surround L/R	110 W + 110 W
Surround Back L/R	110 W + 110 W
Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.09% THD, 2 ch driven)	
Front L/R	95 W + 95 W
Dynamic Power/Ch (Front L/R, 8/6/4/2 ohms)	130/170/195/240 W

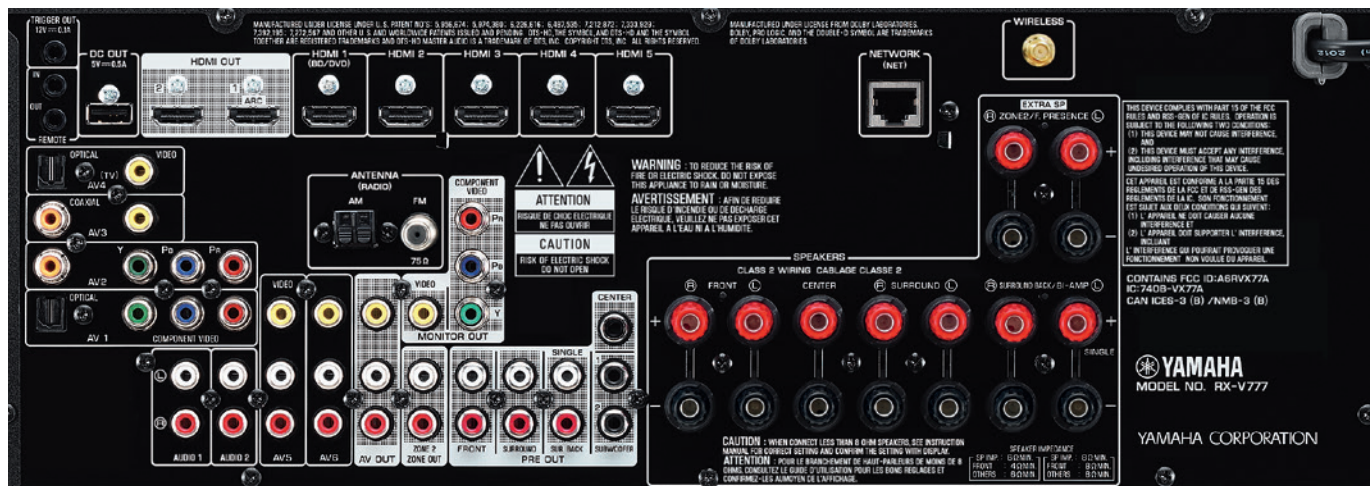### General

Standby Power Consumption	
HDMI Control off, Standby Through off	0.15 W
HDMI Control on, Standby Through on	2.0 W
Network Standby Through on	3.5 W (Wired)
Dimensions (W x H x D)	17-1/8" x 6-3/4" x 14-3/8"
	(with antenna: 17-1/8" x 9-1/4" x 14-7/8")
	435 x 171 x 365 mm
	(with antenna: 435 x 234 x 379 mm)
Weight	23.2 lbs.; 10.5 kg

Extensive Connections

Inputs

HDMI*1 (Audio Input Assignable*2, Front HDMI : MHL input compatible)	6
Network (Ethernet / Wi-Fi)	1 / 1
USB*1	1
Radio Antenna (FM / AM)	1 / 1
Optical Digital	2
Coaxial Digital	2
Analog Audio	4
Component Video (Audio Input Assignable)	2
Composite Video*1	5

*1 Including front panel terminals.
*2 Front HDMI input is not assignable.

Outputs

HDMI	2 (simultaneous)
Analog Audio	1
Analog AV	1
Pre Out	7.2ch
Component Video Monitor	1
Composite Monitor	1
Composite AV	1
Speaker*3/*4 (without subwoofer)	7ch / 9 ter
Subwoofer	2 x mono
DC Out*6	1
Headphone Jack	1

*3 Assignable for surround back L/R to bi-amp (front L/R).
*4 Extra speaker terminals are assignable to Zone 2 or Presence.
*5 For optional accessories.

Others

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