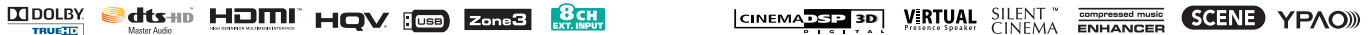9.2-channel operation capability, 8 in/2 out HDMI (V.1.4a with 3D and Audio Return Channel), HD Audio decoding with CINEMA DSP, HQV video quality, new GUI, new YPAO with Reflected Sound Control and new SCENE functionality.

Oil–Damped Hidden Control Panel includes USB port, Aux input terminals, Zone 2/Zone 3 switches, YPAO optimised microphone jack, and more.

Learning and preset capable remote unit (right) and Zone remote unit (left)

High Sound Quality
- 7-channel powerful surround sound
  (1,330W=190W x 7 max for Europe; 910W=130W x 7 RMS)
- HD Audio format decoding: Dolby TrueHD and DTS-HD Master Audio; Dolby Digital Plus and DTS-HD High Resolution Audio
- H-shape cross member frame
- Symmetrical power amplifier layout
- New heat sink with anti-vibration and anti-thermal properties
- High speed thermal feedback power amplifier
- DAC on Pure Ground circuitry with high quality Burr-Brown DACs
- Ultra Low Jitter PLL circuitry
- Intelligent Assignable amplifiers for bi-amp or Surround Back <-> Front Presence or Zone 2/Zone 3 connection

High Picture Quality
- Analogue and HDMI video upscaling to full HD 1080p
- 1080p-compatible HDMI: 8 inputs (1 on front) and 2 outputs (simultaneous)
- Supports Deep Colour (30/36 bit), x.v.Colour, 24Hz Refresh Rate and Auto Lip-Sync compensation
- HQV high-class chipset "VHD1900" for HD/SD Video
- Video adjustment functionality
  - New auto noise reduction (mosquito noise, block noise, temporal noise)
  - New auto resolution enhancement (detail/edge enhancement)
  - Contrast, Brightness, Saturation
  - 6 preset memories

Advanced Features
- New SCENE PLUS - simple and versatile functionality
  -12 SCENE choices (4 on front panel and others on GUI)
  -Zone SCENE - 4 SCENE buttons for Zone 2/Zone 3
  -Versatile parameters can be stored into each SCENE
- Network functions
  -Access to Internet Radio (MP3/WMA) and music files on PC or DLNA Server (WAV, MP3, WMA, AAC, FLAC 96/24)
  -Web Browser Control via PC or PDA
  -Receiver Manager through network connection
  -DLNA V.1.5 certified
- YPAO-Reflected Sound Control sound optimisation with multi-point measurement
  —DSP Effect Normalization
  —Room Acoustic Echo
  —Controlling reflection and echo

- HDMI (V.1.4a with 3D and Audio Return Channel)
- HDMI CEC functionality
- New on-screen display GUI with album art and 6 languages (English, French, German, Spanish, Russian and Japanese)
- Flexiblly assignable component video and optical/coaxial (except Video Aux) inputs allow a wide range of source coponents
- Video Adjustment Preset
- Ability to change HDMI input while in Standby Through mode
- USB port for portable audio players and flash drives (MTP/MSC)
- iPod/iPhone compatibility with optional YDS-12 Universal Dock
- iPod song titles displayed in English and Western European languages on the front panel and on-screen display
- Wireless connection for iPod/iPhone with optional YID-W10
- Bluetooth (A2DP) compatibility with optional Yamaha Bluetooth® Wireless Audio Receiver YBA-10
- Dialogue Lift
- Auto power down function with variable time setting

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
- Channel expandability with external amplifier (9-channel expandability (bi-amping))
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level

Versatile Zone Control
- Zone 2/Zone 3 on/off and control on front panel
- Zone GUI (song/station selection, album cover art display, zone tone controls/Zone balance, short message)
- Zone video assign (Zone 2/Zone 3)
- System Backup / Recovery function
- Multi-channel output in main zone plus 2-channel HDMI output in a second zone
- Zone MONO, Zone volume and tone controls
- Party mode

Titanium and gold finish available in some areas.

Main Specifications

Max Power per Channel [for Europe] (4 ohms, 1 kHz, 0.7% THD)	Front L/R Channels	190 W + 190 W
	Centre Channel	190 W
	Surround L/R Channels	190 W + 190 W
	Surround Back Channel	190 W + 190 W
Minimum RMS Output Power (8 ohms, 20 Hz–20 kHz) (0.06% THD)	Front Channels	130 W + 130 W
	Centre Channel	130 W
	Surround Channels	130 W + 130 W
	Surround Back Channels	130 W + 130 W
Dynamic Power/Channel (Front L/R, 8/6/4/2 ohms)		165/210/285/405 W
Total Harmonic Distortion (AV1 etc, 20 Hz-20 kHz, Sp Out, Front L/R)		0.04% (65 W/8 ohms)
Input Sensitivity/Impedance (1 kHz, 100 W/8 ohms)	Phono MM	3.5 mV/47 k-ohms
	Audio 2, etc	200 mV/47 k-ohms
	F/C/S/SB	200 mV/47 k-ohms
	Subwoofer	200 mV/47 k-ohms

Output Level/Impedance	AV Out	200 mV/1.2 k-ohms
	Headphone Out	150 mV/100 ohms
	Pre Out (F/F.Pre/C/S/SB, 1 kHz)	1 V/1.2 k-ohms
	Subwoofer (50 Hz)	1 V/1.2 k-ohms
	Zone 2/Zone 3 Out	1 V/1.2 k-ohms
Frequency Response (Audio 2 etc, Pure Direct, Front L/R)		10 Hz–100 kHz +0, -3 dB
Signal-to-Noise Ratio (Audio 2 etc, Input Shorted, Sp Out)		100 dB (250 mV)
Video Monitor Out Frequency Response Component Video Signal		5 Hz-100 MHz ±3 dB
FM 50dB Quieting Sensitivity	Mono	3 μV (20.8 dBf)
FM Signal-to-Noise Ratio	Mono / Stereo	74 dB / 70 dB
Standby Power Consumption (HDMI Off/Standby Through Off)		0.3 W
Standby Power Consumption (HDMI On/Standby Through On)		2.7 W
Standby Power Consumption (NET Standby On)		4.5 W
Dimensions (W x H x D)		435 x x 182 x 430 mm
Weight		16 kg

YDS–12 Universal Dock for iPod/iPhone
The optional YDS-12 Universal Dock lets you connect your iPod or iPhone to the receiver.
iPhone not included

Made for iPod iPhone

YID–W10 Wireless Dock System for iPod/iPhone
The optional YID-W10 ensures that you enjoy maximum sound quality and no lip sync (AV matching) problems.
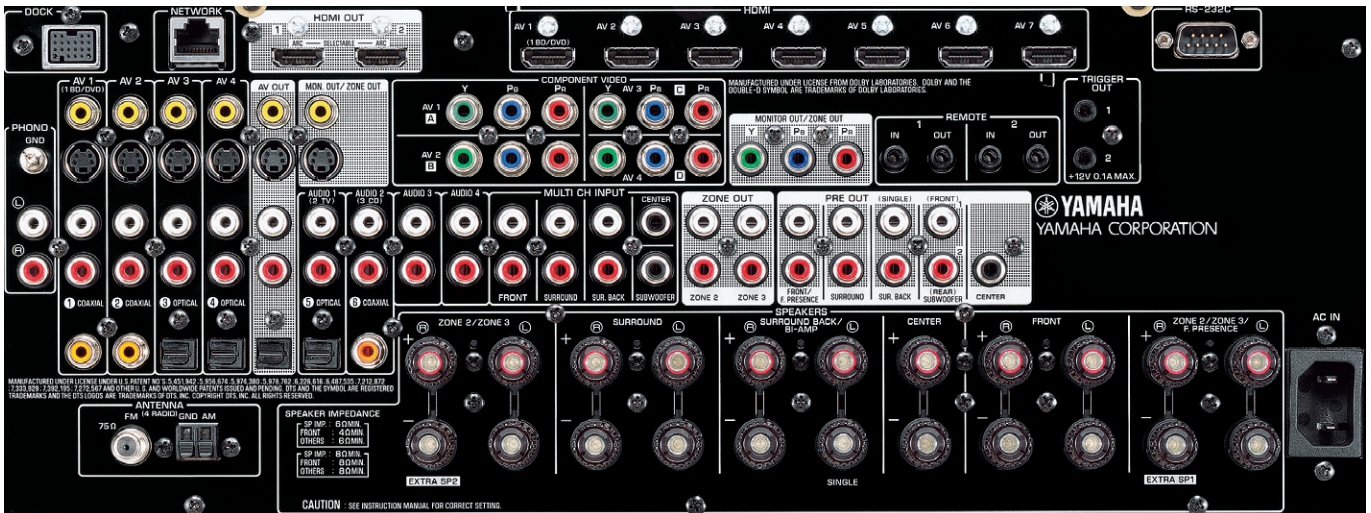*iPhone not included*

Made for iPod iPhone
AirWired

Yamaha Bluetooth® Wireless Audio Receiver
The optional YBA-10 supports A2DP audio streaming, enjoying music wirelessly from Bluetooth-enabled mobile phones, Windows PCs and Macs.
Bluetooth®

Extensive Connections

Inputs

HDMI*1	8
USB*1	1
Network	1
Radio Antenna (FM/AM)	1 / 1
Dock Terminal for Optional Dock Accessories	1
Optical Digital*1 (Assignable except Video AUX)	4
Coaxial Digital (Assignable)	3
Analogue AV*1 / Audio (with Phono)	5 / 5
Component Video (Assignable)	4
Composite / S-Video*1 Monitor	5 / 5
Multi-Channel External Decoder	8ch

*1 Including front panel terminals.

Outputs

HDMI	2 (simultaneous)
Optical Digital	1
Analogue Audio	1
Pre Out	7ch
Component Video Monitor*2	1
Composite Monitor*2 / S-Video*2	1 / 1
AV Out (Composite / S-Video)	1 / 1
Speaker (without subwoofer)*3	7ch
Extra Speaker (Front Presence / Zone 2)*3	2ch*4
Subwoofer	2 x mono

*2 Assignable to monitor out or Zone out.
*3 Banana-plug compatible speaker terminals are not available in some areas.
*4 Power amplifier assignable: Surround Back to Front Presence/Zone 2.

Others

Zone 2 Audio Out with Volume/Tone Control	1
Zone 3 Audio Out with Volume/Tone Control	1
Remote In/Out*5	2 / 2
+12V/100 mA Dual Trigger Out (Total)*6	2
RS-232C	1
Terminal for Detachable Power Cable	1

*5 SCENE-IR support.
*6 Yamaha subwoofer system control support.