

AVENTAGE model designed for superior audio quality with 9.2 channels, and featuring 8 in/2 out HDMI, Multipoint YPAO with R.S.C., SCENE PLUS, network functions incl. Web Browser Control, AV Controller app compatibility, custom installation-friendly functions with Zone 2/3 Video.



## Audio Features

- 9-channel powerful surround sound
  - 1,980W = 220W x 9 (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven [European Model])
  - 1,260W = 140W x 9 (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)
  - 1,980W = 220W x 9 (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
- Selected high quality parts to achieve optimum audio performance
- H-shape cross member frame and rigid bottom frame
- Symmetrical power amplifier layout
- Heat sink with anti-vibration and anti-thermal properties
- DAC on Pure Ground circuitry
- High speed thermal feedback power amplifier
- Ultra Low Jitter PLL circuitry helps optimise sound imaging
- Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce vibration
- Detachable Power Cable for easier installation (also allows cable upgrade)
- Intelligent assignable amplifiers for Surround Back <-> Rear Presence or Zone 2/3

## Video Features

- 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
  - Auto noise reduction (mosquito noise, block noise, temporal noise)
  - Auto resolution enhancement (detail/edge enhancement)
  - Auto contrast enhancement
  - Video signal control (Contrast, Brightness, Saturation)
  - 6 preset memories

## Advanced Features

- SCENE PLUS - simple and versatile functionality
  - HDMI CEC powers up compatible TVs and Blu-ray Disc™ players
  - 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
  - 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 Streaming Services (Napster® for UK/Germany only) Music files on PC: WAV, MP3, WMA, AAC, FLAC
  - Web Browser Control via PC or PDA
  - Receiver Manager through network connection
  - DLNA 1.5 certified

- HDMI front panel input for devices such as camcorders and digital cameras
- HDMI CEC with versatile control from AV Receiver remote control
- Front panel USB Digital Connection for iPod and iPhone
- Advanced multi-language GUI on-screen display with album art
- YPAO-R.S.C. (Reflected Sound Control) sound optimisation with multi-point measurement
  - DSP Effect Normalization
  - Room Acoustic Echo
  - Controlling reflection and echo
- Flexibly assignable component video and optical/coaxial (except Video Aux) inputs allow a wide range of source components
- Ability to change HDMI input while in Standby Through mode
- iPod/iPhone compatibility with optional YDS-12 Universal Dock
- iPod/iPhone 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
- Dialogue Lift
- Background video feature (for tuner, Net and USB)
- Macro, Learning and preset capable remote unit

## Surround Realism

- HD Audio decoding with CINEMA DSP 3D (23 DSP programmes)
- Compressed Music Enhancer with CINEMA DSP
- Virtual Presence Speaker function provides a surround sound field having greater height, even if front presence speakers are not used.
- Channel expandability with external amplifier (9-channel expandability, bi-amping)
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level

## Versatile Zone Control

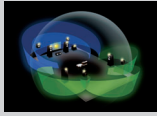
- Zone 2/3 on/off and control on front panel
- Zone GUI (song/station selection, album cover art display, Zone tone controls/Zone balance, short message)
- Zone 2/3 video assign (Component, S-Video, Composite)
- System Backup / Recovery function
- Multi-channel output in main Zone plus 2-channel HDMI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

## Eco-Friendly Design

- Auto power down function with variable time setting
- Low Standby Power Consumption of 0.3W
- Low Standby Power Consumption of 2.7W (HDMI Standby Through mode)

## 9.2-Channel Discrete Amp

"Surround sound" takes on new meaning when you are enveloped in sound fields from nine separate channels and two subwoofers. Alternatively, you can assign channels to other zones (5+2+2, etc.) to enjoy audio in several rooms. The CINEMA DSP 3D programmes use the extra channels to create wide, high and dense sound fields for sensational surround sound.



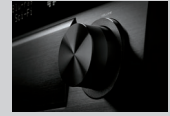
## Multipoint YPAO-R.S.C.

YPAO-R.S.C. analyses room acoustics and measures various speaker characteristics, then calibrates audio parameters to achieve optimum sound at any of eight listening positions. It employs Reflected Sound Control to correct early reflections for studio-quality sound. It also provides DSP Effect Normalization, which varies the CINEMA DSP parameters according to the reflected sounds.



## Optimum Audio Quality Design Concept

The AVENTAGE line of high-performance AV receivers is based on an audio design concept that can best be expressed as "uncompromising excellence." By expertly harmonizing traditional and advanced technologies, every factor that affects sound quality, even to an aluminum front panel and unique A.R.T. Wedge foot, is handled with no other thought than to achieve the best possible audio quality.



## Main Specifications

## Audio Section

Rated Output Power (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven [European Model])

Front L/R	220 W/ch
Centre	220 W
Surround L/R	220 W/ch
Surround Back L/R	220 W/ch
Surround Presence L/R	220 W/ch

Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)

Front L/R	140 W + 140 W
Centre	140 W
Surround L/R	140 W + 140 W
Surround Back L/R	140 W + 140 W
Surround Presence L/R	140 W + 140 W

Maximum Effective Output Power (8 ohms, 1 kHz, 10 % THD, 1 ch driven, JEITA)

Front L/R	220 W/ch
Centre	220 W
Surround L/R	220 W/ch
Surround Back L/R	220 W/ch
Surround Presence L/R	220 W/ch

Dynamic Power/Ch (Front L/R, 8/6/4/2 ohms) 165/210/285/405 W

## General

Standby Power Consumption

HDMI Control off, Standby Through off	0.3 W
HDMI Control on, Standby Through on	2.7 W

Dimensions (W x H x D) 435 x 192 x 467 mm

Weight 17.1 kg

## Optional Accessories

Universal Dock for iPod/iPhone  
YDS-12

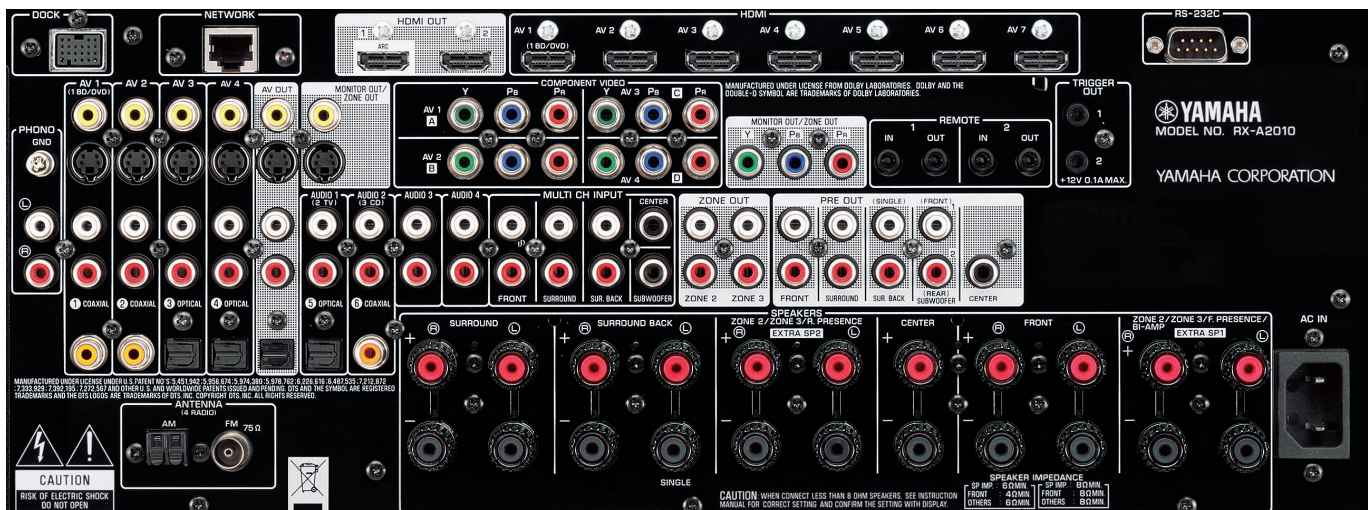


iPhone not included

Wireless Dock System for iPod/iPhone  
YID-W10



iPhone not included



## Extensive Connections

Inputs	
HDMI <sup>*1</sup>	8
Network	1
USB <sup>*1</sup>	1
Radio Antenna (FM/AM) <sup>*2</sup>	1 / 1
Dock Terminal for Optional Dock Accessories	1
Optical Digital (Assignable except Video Aux) <sup>*1</sup>	4
Coaxial Digital (Assignable)	3
Analog AV <sup>*1</sup> / Audio (with Phono)	5 / 5
Component Video (Assignable)	4
Composite <sup>*1</sup> / S-Video <sup>*1</sup>	5 / 5
Multi-Channel External Decoder	8ch

<sup>\*1</sup> Including front panel terminals.

<sup>\*2</sup> The shape of the FM antenna terminal varies according to area.

Outputs	
HDMI	2 (simultaneous)
Optical Digital <sup>*3</sup>	1
Analogue AV / Audio	1
Pre Out	7.2ch
Component Video Monitor <sup>*4</sup>	1
Composite / S-Video Monitor <sup>*4</sup>	1 / 1
AV Out (Composite / S-Video)	1 / 1
Speaker (without subwoofer) <sup>*5</sup>	9ch
Extra Speaker <sup>*6</sup>	4ch
Subwoofer	2 (stereo, front/rear)
Headphone Jack	1

<sup>\*3</sup> Assignable to AV out.

<sup>\*4</sup> Assignable to monitor out or Zone (2/3 assignable) out.

<sup>\*5</sup> Banana-plug compatible speaker terminals.

<sup>\*6</sup> Extra Speaker 1: Zone 2/3/Front Presence, Bi-Amp

Extra Speaker 2: Zone 2/3/Rear Presence.

## Others

Zone 2 Out with Volume and Tone Controls	1
Zone 3 Out with Volume and Tone Controls	1
Remote In/Out <sup>*7</sup>	2 / 2
+12V / Total 100 mA Trigger Out <sup>*8</sup>	2
RS-232C	1
Terminal for Detachable Power Cable	1

<sup>\*7</sup> SCENE-IR support.

<sup>\*8</sup> Yamaha subwoofer system control capable.

European Model

• "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. • Burr-Brown products are trademarks of Texas Instruments, Inc. • "x.v.colo" 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.