YAMAHA

AV Receiver
RX-A810

AVENTAGE

Premium Quality Audio Performance combines with the latest technological advances, including iPhone app compatibility, front panel HDMI and USB digital connections, 8 in/2 out HDMI (3D and ARC compatibility), HD Audio decoding with CINEMA DSP 3D, YPAO Multipoint functionality, and custom installation-friendly features.

Oil–Damped Hidden Control Panel Includes HDMI Input Terminal, USB Port, Video Aux Input Terminals, Zone 2 Switch, YPAO Optimized Microphone Jack, And More.

Audio Features

- 7-channel powerful surround sound
  700W = 100W 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
- Selected high quality parts to achieve optimum audio performance
- Pure Direct for HD Audio and video enjoyment
- 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)
- 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: 8 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
- 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)
- Learning-capable and preset remote unit (Preset remote unit in some areas)
- 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
- Remote input/output
- Programmable +12V trigger output
- RS-232C interface

Eco-Friendly Design

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

Powered by music

AV Receiver
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A.R.T. Wedge Helps to Ensure that Vibrations Do Not Affect Sound Quality

The A.R.T. (Anti-Resonance Technology) Wedge is a fifth foot in the centre of the unit. It dampens vibrations from the power transformer, power transistors and heat sinks, as well as vibrations that might be caused by the sound from the speakers.

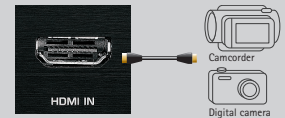### Network Functions, iPhone App & Web Browser Control

Various network functions enhance operation. The Yamaha AV Controller app (from iTunes App Store) lets you control power on/off, volume, input and DSP mode selection, and more from your iPhone.

You can also operate various functions via the built-in Web Browser Control.

iPhone App   Web Browser Control

8 In/2 Out HDMI Terminals

With eight HDMI inputs, you can connect a wide variety of high quality audio and video sources. One of the inputs is on the front panel, making it convenient to connect a camcorder or other device. The two outputs make it possible to send the same video to two different monitors.

HDMI IN   Camcorder
Digital camera

Main Specifications

Audio Section

Rated Output Power (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven [European Model])	
Front L/R	160 W/ch
Centre	160 W
Surround L/R	160 W/ch
Surround Back L/R	160 W/ch
Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)	
Front L/R	100 W + 100 W
Centre	100 W
Surround L/R	100 W + 100 W
Surround Back L/R	100 W + 100 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 369 mm
Weight	11.1 kg

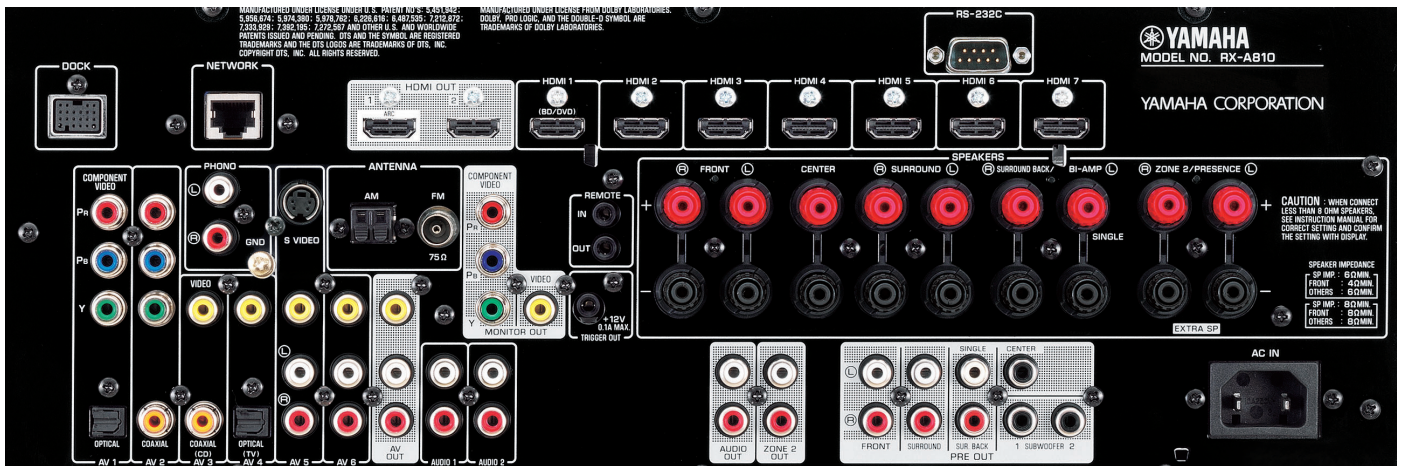## Optional Accessories

Universal Dock for iPod/iPhone
YDS–12

Made for
iPod iPhone

iPhone not included

Wireless Dock System for iPod/iPhone
YID–W10

Made for
iPod iPhone   AirWired

iPhone not included

European Model

Extensive Connections

Inputs

HDMI*1 (Audio Input Assignable*2)	8
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
S-Video (European Model only)	1
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 available in some areas.

Others

Zone 2 Audio Out	1
Remote In/Out	1 / 1
+12V/0.1A Trigger Out	1
RS-232C	1
Terminal for Detachable Power Cable	1