

AV Receiver RX-A3040



AVENTAGE Wi-Fi Built-In AV Receiver with 11.2ch expandability, highest grade construction and CINEMA DSP HD³ for enjoying the ultimate in audio and video performance. Outstanding features include super-high quality ESS DACs, High-Resolution audio support,

4K 50/60p support and Advanced HDMI Zone Switching.



Audio Features

- 9-channel powerful surround sound 150W per Channel (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2 ch driven) 165W per Channel (8 ohms, 1 kHz, 0.9% THD, 2 ch driven)
 H-shape cross member frame and rigid bottom frame/double bottom construction
- Symmetrical power amplifier layout
- Heat sink with anti-vibration and anti-thermal properties

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 Ultra-high performance 1924Hz/32bit ESS ES9016 DACs for 7 main channels.
 High-quality ESS ES9006 DACs for presence channels
 DAC on Pure Ground circuitry
 High speed thermal feedback power amplifier
 Ultra Low Jitter PLL circuitry helps optimize sound imaging
 Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce vibration
 High Resolution Music Enhancer further heightens musicality from the original content
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- Intelligent assignable amplifiers for Surround Back <-> Rear Presence or Zone2/3
- Phono input for vinyl playback
 FLAC or WAV 192kHz/24-bit audio playback · Apple Lossless audio playback

Video Features

- 4K Ultra HD Pass-Through for super high resolution images

- 4K Uitra HD rass-introugn for super night resolution images
 4K Uitra HD upscaling boosts lower resolution images to super high-definition resolution
 The latest HDMI version support for 4K 50/60p input
 HDMI: 8 inputs (1 on front) and 2 outputs [assignable for zone 2/4) with 3D and Audio Return Channel
 Yamaha original video processing that optimizes processing for each type of video content
- Multion adaptive and edge adaptive deinterlacing Multi-cadence(incl. 3-2 pull-down) detection -Resolution enhancement(detail and edge enhancement) -Video signal control(Contrast, Brightness, Saturation)

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 2/3/4

- Versatile parameters can be stored into each SCENE
 Network functions
 Wi-Fi Built-in

- Wi-Fi Built-in Wirels Direct connects a mobile device directly without home network Easy Wi-Fi setup i.e. iOS Wi-Fi settings 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/tablets Access to: Internet Radio (Viner): MP3, WMA Streaming Services (Pandora³⁹, Rhagsody³⁹, Spotify³⁹, SiriusXM) 'Music service availability varies bregion. Music files on PC/NA5: WAV, MP3, WMA, AAC, FLAC, Apple Lossless

- 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
 HD Radio™ (for USA only)
 Front panel USB Digital Connection for iPod, iPhone, iPad and USB device
 YPAO-R.S.C. (Reflected Sound Control) with 3D, multi-point and angle measurement
 Winb sensitivity VPAD mismohone for more species merurement
- High sensitivity YPAO microphone for more precise measurement
- Advanced multi-language GUI on-screen display with album art
 Background Video feature

Surround Realism

- CINEMA DSP HD³ expands the sound field vertically for more thrilling and realistic surround sound HD Audio decoding with CINEMA DSP HD³ (23 DSP programs) Compressed Music Enhancer with CINEMA DSP Dialogue Lift ensures that dialogue comes from the center of the screen Dialogue Level Adjustment for progres sound balance with dialogue and vocals Virtual Presence Speaker function for CINEMA DSP HD³ surround without Front Presence Speaker Virtual Presence Speaker remoduce more analytic round field without Pont Presence Speaker Virtual Presence Speaker remoduce more analytic round field without Pont Presence Speaker Virtual Presence Speaker remoduce more analytic round field without Pont Presence Speaker
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- Virtual Rear Presence Speaker reproduces more realistic sound field without Rear Presence Speakers

- Virtual Reaf Presence Speaker reproduces more realistic sound neid without Keaf Pre-Virtual CINEMA FRONT provides virtual surround sound with 5 speakers in front VFAD Volume to ensure natural sounds even at low volume Extra Bass enriches the powerful bass sound even with small speakers Channel expandability with external amplifier (11-channel expandability, bi-amping) Adaptive DRC [Dynamic Range Control) and Adaptive DSP Level SILENT CINEMA to enjoy surround sound with headphone

Versatile Zone Control

- Advanced HDMI Zone Switching allows various input sources to be output via HDMI and enjoyed in different rooms
 Zone 2/3/4 on/off and control on front panel
- Zone GUI (Sone Vollme, election, album cover art display, Zone tone controls/Zone balance, short message)
 System Backup / Recovery function
 Cone mond, Zone vollme, tone controls and balance
- · Party mode

Eco-Friendly Design

- ECO mode operation for about 20%* less power consumption
- *Compared to power consumption when ECO mode is off Yamaha mesur Auto power standby function with variable time setting Low standby power consumption of 0.1W

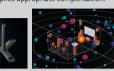


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Ultimate Audio Experience

Yamaha's incredible CINEMA DSP HD³ literally takes the surround sound experience to new heights, using two CINEMA DSP engines to produce higher and wider sound fields. YPAO 3D provides automatic sound parameter optimization that measures the direction of the front, surround and presence speakers, as well as the height of the presence speakers and applies appropriate compensation. This maximizes the 3D

sound field effectiveness of the CINEMA DSP HD³ programs.



Ultra-high Performance DACs for Superior Sound Quality

Ultra-high performance ESS Technology 192 kHz/32 bit ES9016 DACs for the seven main channels produce an unsurpassed sound stage with 124dB dynamic range and super low distortion

and noise levels. High-quality ESS ES9006 DACs power the presence channels. This AV receiver's sound reproduction will satisfy the most demanding listeners.



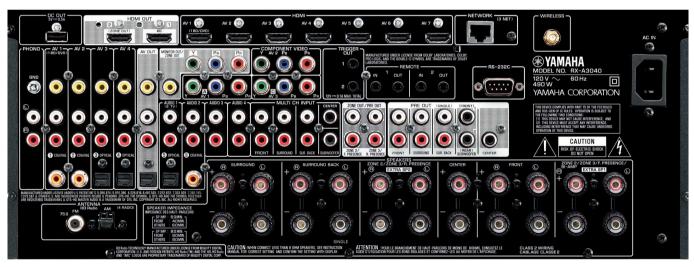
Wi-Fi Built-in Provides Superior Functionality with Easy Setup

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.



Main Specifications			
Audio Section		Dynamic Power/Ch (Front L/R, 8/6/4/2 ohms)	175/220/295/410 W
Rated Output Power (8 ohms, 1 kHz, 0.9% THD, 2 ch driven)			
Front L/R	165 W / 165 W	General	
Center	165 W	Standby Power Consumption	
Surround L/R	165 W / 165 W	HDMI Control off, Standby Through off	0.1 W
Surround Back L/R	165 W / 165 W	HDMI Control on, Standby Through on	2.5 W
Front Presence L/R	165 W / 165 W	Network Standby on	3.1 W (Wired)
Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2 ch driven)			17-1/8" x 7-1/2" x 18-3/8"
Front L/R	150 W / 150 W	Dimensions (W x H x D)	(with antenna: 17-1/8" x 9-7/8" x 18-5/8)
Center	150 W	Dimensions (W X H X D)	435 x 192 x 467 mm
Surround L/R	150 W / 150 W		(with antenna: 435 x 252 x 474 mm)
Surround Back L/R	150 W / 150 W	Weight	39.9 lbs.; 18.1 kg
Front Presence L/R	150 W / 150 W		



Extensive Connections

Inputs	
HDMI*1 (Audio Input Assignable*2, Front HDMI : MHL input compatible)	8
Network (Ethernet / Wi-Fi)	1/1
USB*1	1
Radio Antenna (FM/AM) incl. HD Radio*3	1/1
Optical Digital (Assignable)	3
Coaxial Digital (Assignable)	3
Analog AV ^{*1} / Audio (with Phono)	5/5
Component Video (Assignable)	3
Composite*1	5
Multi-Channel Input	8ch

Dutputs	
HDMI	2 (Zone assignable)
Optical Digital	1
Analog Audio	1
Pre Out	11.2ch
Component Video Monitor*4	1
Composite Monitor*4	1
AV Out (Composite)	1
Speaker	9ch (11 terminals)
Subwoofer	2 (stereo, front/rear, mono x 2)
DC Out*5	1
Headphone Jack*1	1

Others	
Zone 2 Out with Volume and Tone Controls	1
Zone 3 Out with Volume and Tone Controls	1
Remote In/Out	2/2
+12V / Total 100 mA Trigger Out*6	2
RS-232C	1
Terminal for Detachable Power Cable	1
*1 Including front panel terminals. *2 Front HDMI input is not assignable. *3 For USA only.	
*4 Assignable to monitor out or Zone 2/2 out	

*4 Assignable to monitor out or Zone 2/3 out.
*5 For optional accessories.
*6 Yamaha subwoofer system control support.

• "Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, 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, or iPad may affect wireless performance. AirPlay, iPad, iPhone, iPod, and, and iPod touch are trademarks of Apple Inc, registered in the U.S. and other countries. AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Max with OS X Mountain Lion or later, and PC with Times 10.2.2 or later. • The Wi-Fi CRITIFIED To as certification mark of the Wi-Fi Alliance. • DLNA" and DLNA CERTIFIED "are trademarks of Digital Living Network Alliance. All rights reserved. Unauthorized use is strictly prohibited. • The HTC Connect[™] Logo is a trademark of The giant of the Hi-Fi Alliance. • DLNA" and DLNA CERTIFIED "are trademarks of The giant" and the HD, HD Radio, and "Arc" logos are trademarks of iBiguity Digital ~ Spotify and Spotify logo are registered trademarks of the Spotify Group. • Pandora and Pandora Internet Radio logo are registered trademarks of Tandora Media, Inc. in the United States and/or other countries. • Rhapsody and the Rhapsody International. Inc. # SINUS, XM and all related marks and Hawaii. • Doby and the double-D symbol are registered trademarks of DIS, Inc. + DD And the Symbol, RD Sor DIS-HD. the XMID Relation are registered trademarks of DIS, Inc. • HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks of HOMIL-DSymbol are registered trademarks of DIS, Inc. + DDMI, the HDMI logo are a trademark of Yamaha Corporation. • SILENT CINEMA is a trademark of Yamaha Corporation. • SILENT CINEMA is a trademark of MILL Licensing LC in the United States and/or other countries. • CINEMA DSP is a trademark of Yamaha Corporation. • SILENT CINEMA is a tradem