



# AVENTAGE

POWER. PERFORMANCE. PRECISION.





PANDORA



## OBJECT-BASED AUDIO

Nothing captivates a movie-going audience quite like a big screen and exhilarating surround sound. Today, the magic of cinema can be experienced at home with a larger-than-life TV or projector, and immersive multi-channel audio that transports you to the heart of the action of the latest Hollywood blockbuster.

Object-based audio brings this sense of immersion to a whole new level by stretching beyond the realms of conventional surround sound systems. By utilising additional speakers overhead, it's possible to locate specific sounds and effects in a 3D space with such precision and detail previously never imagined.

This next-generation technology delivers breathtaking realism and unprecedented performance from the biggest names in surround sound - Dolby and DTS.

At the forefront of innovation since its creation, Yamaha's award-winning AVENTAGE Series not only supports both Dolby Atmos® and DTS:X™, but was the first in the market to do so.

AVENTAGE Series 7 brings the ultimate cinema experience into the home with all AV Receiver models with the exception of the RX-AS710 slim model supporting Dolby Atmos and DTS:X object-based surround sound - the future of home entertainment.

Discover an exquisite partnership in sound.

Yamaha and object-based audio.

## A WORLD OF MUSIC AT YOUR FINGERTIPS

Access an expansive, new world of music with popular music streaming services including Pandora® and Spotify Connect®. Built-in for unparalleled convenience and ease of use, there has never been a better way to listen to old favourites or discover new music.

All AV Receiver models also feature Bluetooth for delivering sound wirelessly from smartphones, tablets and other devices such as laptops. For lossy audio formats, Yamaha's Compressed Music Enhancer optimises playback performance. Alternatively, audio can be sent via Bluetooth to compatible headphones and speakers, regardless of the brand.

For iTunes and iOS users, AirPlay® wireless audio streaming is seamlessly integrated as well as vTuner which provides access to thousands of Internet radio stations from around the world.

## TRADEMARK YAMAHA SOUND

A long and celebrated history in sound reproduction has enabled Yamaha to cultivate an enviable reputation at the forefront of sound technology. Yamaha employs the finest circuit designs, premier components and the most exhaustive testing and tuning to fulfil the award-winning AVENTAGE legacy.

## SOPHISTICATED AUTO CALIBRATION

YPAO (Yamaha Parametric room Acoustic Optimiser), automatically calibrates the system for optimal audio performance in any size or shape room.

Reflected Sound Control (R.S.C.) builds on standard YPAO analysis by negating the effect of early reflections that may influence the direct sound source, while multipoint measurement optimises audio in multiple listening positions to accommodate larger audiences.



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**4K Ultra HD**

Pass-Through/Upscaling

### LATEST HDMI AND CUTTING-EDGE VIDEO PERFORMANCE

Delivering studio-grade sound into the home makes up only half the home cinema experience.

AVENTAGE Series 7 delivers astonishing picture quality with support for 4K Ultra HD video at 60 frames per second and compliance with the latest HDMI2.0a and HDCP2.2 copyright protection standard.

Enjoy your favourite movies on the latest 4K Ultra HD televisions and projectors with video resolution upscaling from standard and 1080p Full HD sources. Further, HDR (High Dynamic Range) video and support for the wider colour gamut of BT.2020 offers a more vibrant and detailed picture than ever before.

### TOTAL PURITY CONCEPT

Drawing on an unrivalled musical heritage and expertise in a range of audio disciplines, Yamaha's 'Total Purity Concept' serves as the premise for all design aspects of the AVENTAGE Series.

The concept encompasses high drive amp technology, a pure pre-amplification stage, anti-vibration technology and dedicated power supplies. All models feature a fully discrete power amp configuration to minimise distortion, independent power supplies to ensure analogue circuitry remains unaffected by digital noise, and large custom heat sinks that dissipate heat while also suppressing vibrations.

This unyielding approach to 'Purity' epitomises the AVENTAGE ethos for obtaining the highest standards in all facets of design and performance.

### UNCOMPROMISING DESIGN

Embodying Yamaha's approach to the design and construction of AVENTAGE Series 7, all AV Receiver models feature an aluminium fascia which not only offers a high-end aesthetic but also shields internal circuitry from noise and electronic radiation generated by video monitors and fluorescent lighting.

Minimising interference from these external sources aids in achieving optimal sonic performance.

### PEERLESS CONSTRUCTION

A signature of all AVENTAGE AV Receivers, the A.R.T. (Anti-resonance Technology) Wedge symbolises Yamaha's approach to superior construction.

This fifth leg located in the centre of the AV Receiver footprint stabilises the chassis by supporting the power transformer, power transistors and heat sinks - a unique method for minimising the influence of unwanted vibrations that can adversely affect signal integrity.





## YOUR HOME OF SOUND

A revolution in multi-room audio, MusicCast brings music to every room in the home wirelessly. Choose to start with one speaker or a whole-of-home solution, and manage it all through a simple app.

An AVENTAGE AV Receiver unlocks a diverse range of entertainment options when connected to the MusicCast system. Audio from any device, including those connected via HDMI, can be streamed through the home when connected to the AV Receiver. For example, CDs, TV and even vinyl records are able to be shared wirelessly to other MusicCast models using the intuitive app interface.

By acting as a hub for all devices to connect to, the AV Receiver provides unsurpassed flexibility for a truly integrated home audio system.



## VERSATILE CONFIGURATIONS: SMART ZONE

Using the MusicCast app, the powered zones of the AV Receiver are represented graphically as rooms enabling quick and convenient control of audio in multiple areas of the home.

The seamless interface provides unprecedented ease of use - simplifying multi-zone technology and delivering unmatched versatility in whole-of-home applications.

When listening to music in the main area for example, it is possible to distribute a second sound source via the AV Receiver to another room using the MusicCast app. Even when the main room is powered off, the second zone is still able to be utilised as an independent room.

Grouping of rooms is as simple as linking from the MusicCast app to enable the enjoyment of the same audio source throughout the home.

Further, advanced multi-zone functionality on the RX-A2060 and RX-A3060 enables the playback of different audio sources in up to four areas with Advanced HDMI Zone Switching allowing up to 2 high-definition audio/video sources in different zones.



## PROFESSIONAL SOUND

The RX-A1060 and above utilise world-renowned DACs from ESS Technology - a leader in the field.

Exceptional signal-to-noise ratio and dynamic range is achieved, ensuring exquisite sound reproduction from Blu-ray sources and the latest high-resolution audio formats. The use of ESS Technology DACs highlights Yamaha's ongoing commitment to superior audio and components.

## ADVANCED NETWORK CONNECTIVITY

All AV Receiver models feature built-in Wi-Fi and an Ethernet connection. Wi-Fi not only offers a suite of wireless functions including app control and access to music streaming services, but also enables Wireless Direct which creates a hot spot for multiple wireless devices to connect directly to the AV Receiver in the absence of a Wi-Fi network.

## ADDITIONAL MODELS:

### AVENTAGE SEPARATE COMPONENTS

Experience the ultimate in home theatre with Yamaha's AVENTAGE Separate Components.

As Yamaha's flagship AV Pre-amplifier, the 11.2 channel CX-A5100 utilises the most sophisticated engineering and technology to showcase the latest in object-based surround sound, offering full support for 4K Ultra HD with HDCP2.2 compatible HDMI, and featuring advanced wireless connectivity including Wi-Fi and Bluetooth.

In combination with the MX-A5000 Power Amplifier, audiences will enjoy the ultimate 3D sound field with Yamaha's patented CINEMA DSP HD<sup>3</sup> and impressive, new dimensions of surround sound as found in the newest movie theatres with object-based audio.



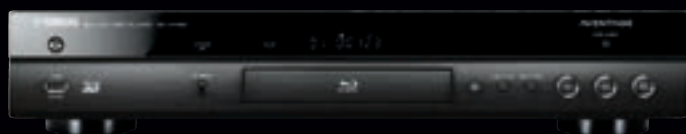
CX-A5100 11.2 Channel Pre-amplifier



MX-A5000 11 Channel Power Amplifier

### AVENTAGE UNIVERSAL DISC PLAYER

Designed to deliver superior audio as well as exquisite video, the BD-A1060 is the ideal companion for the AVENTAGE Series 7 AV Receivers.



- Heavy and stable construction
- CD and Pure Direct Modes for superior performance
- Professional balanced connections via XLR terminals
- SACD playback and HD Audio bitstream out
- 192 kHz/32-bit DAC
- High-res audio playback (DSD 5.6 MHz, FLAC, ALAC)
- 4K Ultra HD upscaling
- Miracast compatibility
- Built-in Wi-Fi and Wireless Direct
- BD-Live and BONUS VIEW
- Blu-ray 3D, DVD, SACD, USB and CD playback
- Automatic wireless setup with WPS

### AVENTAGE SLIM AV RECEIVER

The first slim AVENTAGE model, the RX-AS710 features Wi-Fi and Bluetooth built-in, 4K Ultra HD compatible HDMI with HDCP2.2 and Zone 2.



- MusicCast multi-room technology
- Built-in Wi-Fi and Wireless Direct
- Bluetooth with Compressed Music Enhancer
- AirPlay, Spotify®, Pandora® music streaming services
- High-res audio playback (DSD 2.8 MHz/5.6 MHz, FLAC/WAV/AIFF 192 kHz/24-bit, Apple Lossless 96 kHz/24-bit)
- 4K60p 4:4:4 Pass through, HDMI (6 in/1 out) with HDCP2.2 (3 in/1 out) and Audio Return Channel (ARC)
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- Advanced on-screen display
- Powered multi-zone audio support (Zone 2)



	RX-A5710	RX-A760	RX-A860	RX-A1060	RX-A2060	RX-A3060
Channels	7.2	7.2	7.2	7.2	9.2	9.2 (expandable to 11.2)
Rated Output Power (8Ω, 20 Hz - 20 kHz, 0.06% THD)	60W	90W	100W	110W	140W	150W
192 kHz/24-bit DACs for all channels	Yes (Burr-Brown)	Yes (Burr-Brown)	Yes (Burr-Brown)	Yes (ESS SABRE9006A)	Yes (ESS SABRE9006A)	ESS SABRE 32 Ultra DAC for 7 main channels, ESS ES9006 DACs for presence channels
Multi-room	MusicCast	MusicCast	MusicCast	MusicCast with SmartZone	MusicCast with SmartZone	MusicCast with SmartZone
Powered Zone	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2/3, Zone 4 (Advanced HDMI Zone Switching)	Zone 2/3, Zone 4 (Advanced HDMI Zone Switching)
HDMI Input/Output	6 in (HDMI 1-3: HDCP2.2 compatible) 1 out (HDCP2.2 compatible)	6 in (HDMI 1-3: HDCP2.2 compatible) 1 out (HDCP2.2 compatible)	8 in (HDMI 1-3: HDCP2.2 compatible) 2 out (HDCP2.2 compatible)	8 in (HDMI 1-7: HDCP2.2 compatible) 2 out (HDCP2.2 compatible)	8 in (HDMI 1-7: HDCP2.2 compatible) 2 (HDCP2.2 compatible)	8 in (HDMI 1-7: HDCP2.2 compatible) 2 (HDCP2.2 compatible)
4K Ultra HD Pass-through and Upscaling	Yes (4K60p 4:4:4)	Yes (4K60p 4:4:4)	Yes (4K60p 4:4:4)	Yes (4K60p 4:4:4)	Yes (4K60p 4:4:4)	Yes (4K60p 4:4:4)
HDR (High Dynamic Range)	Yes	Yes	Yes	Yes	Yes	Yes
BT2020	-	Yes	Yes	Yes	Yes	Yes
Object-based Audio Decoding	-	Dolby Atmos/ DTS:X	Dolby Atmos/ DTS:X	Dolby Atmos/ DTS:X	Dolby Atmos/ DTS:X	Dolby Atmos/ DTS:X
HD Audio Decoding	Dolby TrueHD, Dolby Digital Plus, Dolby Pro Logic IIX, DTS-HD Master Audio	Dolby TrueHD, Dolby Digital Plus, Dolby Pro Logic IIX, DTS-HD Master Audio	Dolby TrueHD, Dolby Digital Plus, Dolby Pro Logic IIX, DTS-HD Master Audio	Dolby TrueHD, Dolby Digital Plus, Dolby Pro Logic IIX, DTS-HD Master Audio	Dolby TrueHD, Dolby Digital Plus, Dolby Pro Logic IIX, DTS-HD Master Audio	Dolby TrueHD, Dolby Digital Plus, Dolby Pro Logic IIX, DTS-HD Master Audio
CINEMA DSP	3D (17 programs)	3D (17 programs)	3D (17 programs)	3D (23 programs)	3D (23 programs)	HD <sup>1</sup> (24 programs)
Wireless Connectivity	Bluetooth Built-in (SBC/AAC)	Bluetooth Built-in (SBC/AAC)	Bluetooth Built-in (SBC/AAC)	Bluetooth Built-in (SBC/AAC)	Bluetooth Built-in (SBC/AAC)	Bluetooth Built-in (SBC/AAC)
	Bluetooth Output	Bluetooth Output	Bluetooth Output	Bluetooth Output	Bluetooth Output	Bluetooth Output
	Wi-Fi Built-in	Wi-Fi Built-in	Wi-Fi Built-in	Wi-Fi Built-in	Wi-Fi Built-in	Wi-Fi Built-in
	Wireless Direct	Wireless Direct	Wireless Direct	Wireless Direct	Wireless Direct	Wireless Direct
	AirPlay	AirPlay	AirPlay	AirPlay	AirPlay	AirPlay
App Control	MusicCast/AV Controller	MusicCast/AV Controller	MusicCast/AV Controller	MusicCast/AV Controller	MusicCast/AV Controller	MusicCast/AV Controller
Music Streaming Services	Pandora, Spotify Connect	Pandora, Spotify Connect	Pandora, Spotify Connect	Pandora, Spotify Connect	Pandora, Spotify Connect	Pandora, Spotify Connect
High-resolution Audio Playback	FLAC/WAV/AIFF 192 kHz/24-bit, Apple Lossless 96 kHz/24-bit, DSD 2.8 MHz/5.6 MHz playback	FLAC/WAV/AIFF 192 kHz/24-bit, Apple Lossless 96 kHz/24-bit, DSD 2.8 MHz/5.6 MHz playback	FLAC/WAV/AIFF 192 kHz/24-bit, Apple Lossless 96 kHz/24-bit, DSD 2.8 MHz/5.6 MHz playback	FLAC/WAV/AIFF 192 kHz/24-bit, Apple Lossless 96 kHz/24-bit, DSD 2.8 MHz/5.6 MHz playback	FLAC/WAV/AIFF 192 kHz/24-bit, Apple Lossless 96 kHz/24-bit, DSD 2.8 MHz/5.6 MHz playback	FLAC/WAV/AIFF 192 kHz/24-bit, Apple Lossless 96 kHz/24-bit, DSD 2.8 MHz/5.6 MHz playback
DSD Direct	-	-	-	Yes	Yes	Yes
Pre-out	Subwoofer x 2	Subwoofer x 2	7.2 channel	7.2 channel	7.2 channel	11.2 channel
Phono Input	Yes	Yes	Yes	Yes	Yes	Yes
Vibration Control	A.R.T. Wedge	A.R.T. Wedge, H-shape Cross Frame	A.R.T. Wedge, H-shape Cross Frame, Double Bottom Construction	A.R.T. Wedge, H-shape Cross Frame, Double Bottom Construction	A.R.T. Wedge, H-shape Cross Frame, Double Bottom Construction	A.R.T. Wedge, H-shape Cross Frame, Double Bottom Construction
Symmetrical Power Amplifier Layout	-	Yes	Yes	Yes	Yes	Yes
YPAO Auto Calibration	YPAO-R.S.C. (Reflected Sound Control)	YPAO-R.S.C. (Reflected Sound Control)	YPAO-R.S.C. (Reflected Sound Control) with Multi-point Measurement	YPAO-R.S.C. (Reflected Sound Control) with Multi-point Measurement	YPAO-R.S.C. (Reflected Sound Control) with 3D and Multi-point Measurement	YPAO-R.S.C. (Reflected Sound Control) with 3D, Multi-point, Angle Measurement and Precision EQ
Dimensions (W x H x D)	435 x 111 x 377 mm 9.2kg	435 x 171 x 380 mm 10.5 kgs	435 x 171 x 382 mm 10.6 kgs	435 x 182 x 439 mm 14.9 kgs	435 x 192 x 474 mm 17 kgs	435 x 192 x 474 mm 18.1 kgs
Warranty	4-year Manufacturer's Warranty with 12-month Replacement Period	4-year Manufacturer's Warranty with 12-month Replacement Period	4-year Manufacturer's Warranty with 12-month Replacement Period	4-year Manufacturer's Warranty with 12-month Replacement Period	4-year Manufacturer's Warranty with 12-month Replacement Period	4-year Manufacturer's Warranty with 12-month Replacement Period

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