

Supreme Performance

Built from the ground up, this preamplifier processor delivers the best in performance and technology. Harness the latest technologies in audio and video in your theater and pair it with the MX-A5200 amplifier for the ultimate experience.



Audio Features

- ESS 384 kHz / 32-bit SABRE™ DACs (ES9026PRO x 2) **NEW**
- Heat sink with anti-vibration and anti-thermal properties
- High-quality volume IC and independent pure power supply
- Ultra low-jitter PLL circuitry helps optimize sound imaging
- Highly rigid construction including Anti-Resonance Technology (A.R.T. Wedge) to reduce vibration
- XLR input and output terminals for low-noise signal transmission
- High-resolution Music Enhancer further heightens musicality from the original content
- Compressed Music Enhancer for Bluetooth
- Phono input for vinyl playback
- H-shape cross member frame
- Double-bottom chassis **NEW**

- Gapless playback compatibility allows play without interruption
- Front panel USB digital connection for USB thumb drives
- Advanced GUI on-screen display with HD capability **NEW**
- YPAO™ - R.S.C. sound optimization with 3D, 64-bit high-precision EQ calculation, multipoint and angle measurement **NEW**
- High-sensitivity YPAO microphone for more precise measurement
- Video out feature (for TUNER / USB / NET / Bluetooth)
- SCENE PLUS- simple and versatile functionality
 - 8 SCENE choices (4 on front panel and others on remote control) **NEW**
 - Zone SCENE- 4 SCENE buttons for Zone 2 / 3 / 4
 - HDMI CEC powers up compatible TVs and Blu-ray Disc™ players
 - Versatile parameters can be stored into each SCENE

Video Features

- Latest HDMI® (7 in / 3 out) with 4K Ultra HD Full Support (4K / 60p [4:4:4]), HDR video, Hybrid Log-Gamma and Dolby Vision Compatibility and BT.2020 pass-through, dedicated zone output (HDMI 3) **NEW**
- 4K video upscaling from analog and HDMI input
- Yamaha original video processing that optimizes processing for each type of video content
 - Motion-adaptive and edge-adaptive deinterlacing
 - Multicadence (including 3-2 pull-down) detection
 - Resolution enhancement (detail and edge enhancement)
 - Video signal control (contrast, brightness, saturation)

Advanced Features

- Amazon Alexa voice control compatibility
- Ability to add wireless subwoofer (MusicCast SUB 100) **NEW**
- MusicCast for audio enjoyment in every room
- Bluetooth for wireless music streaming (SBC / AAC)
- Ability to add MusicCast Surround speaker(s) for 5.1.2-ch. setup (MusicCast 20 or MusicCast 50) **NEW**
- Network functions
 - Wi-Fi built-in (802.11b / g / n, 2.4 / 5 GHz) **NEW**
 - 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 iOS or Android™ smartphones and tablets
 - Access to internet radio (airable radio), MP3, WMA, streaming services (Spotify, Napster, Pandora®, SiriusXM, SiriusXM Music for Business, TIDAL, Deezer)
 - Music files on PC / MP3 / WMA / MPEG-4 AAC: up to 48 kHz / 16-bit, ALAC: up to 96 kHz / 24-bit, FLAC: up to 384 kHz / 24-bit, WAV / AIFF: up to 384 kHz / 32-bit, DSD: up to 11.2 MHz **NEW**
 - Triggered auto playback with MusicCast devices

Surround Realism

- 11.2-Channel processing
- Surround:AI™ automatically optimizes the surround effect in real time **NEW**
- Dolby Atmos® and DTS:X™ with CINEMA DSP HD³
- Enhanced CINEMA DSP program (total 24 DSP programs)
- Rear presence channel support for maximum 3D sound effect
- Compressed Music Enhancer with CINEMA DSP
- Dialogue Lift ensures that dialogue comes from the center of the screen
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals
- Virtual Presence Speaker function for CINEMA DSP HD³ surround without front presence speakers
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- YPAO™ Volume to ensure natural sounds even at low volume
- Extra Bass enriches the powerful bass sound even with small speakers
- SILENT CINEMA™ to enjoy surround sound with headphones

Versatile Zone Control

- Pre out terminal for Zone 2 and 3 with volume control
- Advanced HDMI Zone Switching allows various input sources to be output via HDMI and enjoyed in different rooms
- Zone Extra Bass for more powerful bass sound in another room (Zone 2 and 3)
- Zone Volume Equalizer for optimum sound balance in another room (Zone 2 and 3)
- Zone 2 / 3 / 4 on / off and control on front panel
- Zone GUI (song / station selection, album cover art display)
- System backup / recovery function
- Zone mono, Zone volume, Zone tone controls, Zone balance, Zone audio delay and Party Mode

Eco-Friendly Design

- Auto Power Standby function with variable time setting
- With an advanced energy saving design, this preamplifier achieves a low power consumption when in Network Standby mode.

CX-A5200

Surround:AI™

The AI technology built into the DSP instantaneously analyzes each scene by focusing on distinct sound elements such as dialogue, background music, ambient sounds and sound effects, and automatically optimizes the surround effect in real time. This creates a compelling sense of realism, giving you the most profound entertainment experience possible.



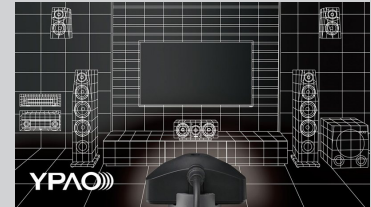
Dolby Atmos® and DTS:X™

Object-based audio brings a sense of immersion to breathtaking new heights through the use of overhead speakers and precise location of sounds not just around the listener, but on a 3D plane. With Dolby and DTS, Yamaha brings cinema surround sound into the home with astonishing realism.



Ultimate Sound Optimization

YPAO™ - Reflected Sound Control analyzes room acoustics with the included YPAO microphone to tune your system for the best sound in your unique room. YPAO 3D provides automatic sound parameter optimization that maximizes the 3D sound field effectiveness of CINEMA DSP HD³, Dolby Atmos® and DTS:X™. The 64-bit, high-precision EQ calculation achieves the most natural room acoustics possible.



Main Specifications

General

Standby Power Consumption (IR only)	≤ 0.1 W
Auto Power Standby	Yes
ECO Mode	Yes
Dimensions (W x H x D)	17-1/8" x 7-1/2" x 18-5/8" (with antenna up: 17-1/8" x 10-5/8" x 18-5/8")
Weight	33.5 lbs.



Extensive Connections

Inputs

HDMI® (HDCP 2.2, HDR10 / Dolby Vision / HLG and BT.2020 compatible)	7
Network (Ethernet / Wi-Fi)	1 / 1
USB	1 (front)
Radio Antenna (FM / AM)	1 / 1
Optical Digital	3
Coaxial Digital	3
Analog Audio*1 (including phono)	9 (1 front)
Component Video (audio input assignable)	2
Composite Video	4
XLR Terminals In	1

Outputs

HDMI (HDCP 2.2)	3 (Main, Zone B, Zone 2 or 4)
Pre Out	11.2-ch
Subwoofer	Mono x 2 or stereo or front and rear
Headphone Jack*1	1 (front)
XLR Terminals Out	11.2

Others

Zone 2 and 3 Audio Out	2
Remote In/Out	1 / 1
+12V / Total 0.1A Trigger Out	2
RS-232C	1
Terminal for Detachable Power Cable	1

*1 Including front panel terminals

• AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion or later, and Mac and PC with iTunes 10.2.2 or later. Supports iOS 7 or later for setup using Wireless Accessory Configuration. 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 is a trademark 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. and any use of such marks by Yamaha Corporation is under license. Other trademarks and trade names are those of their respective owners. • The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance. The Wi-Fi Protected Setup Identifier Mark is a mark of the Wi-Fi Alliance. "Wi-Fi" and "Wi-Fi Protected Setup" are marks or registered marks of the Wi-Fi Alliance. • Spotify and Spotify logo are registered trademarks of the Spotify Group. • Pandora and Pandora Internet Radio logo are registered trademarks or trademarks of Pandora Media, Inc. in the United States and/or other countries. • SIRIUS, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. and its subsidiaries. All rights reserved. • The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance. The Wi-Fi Protected Setup Identifier Mark is a mark of the Wi-Fi Alliance. • Napster and the Napster logo are trademarks and registered trademarks of Rhapsody International. • TIDAL and TIDAL logo are registered trademark of Aspiro AB in the European Union and other countries. • Deezer and Deezer logo are international trademarks of Deezer S.A., registered in France and other countries. • Dolby, Dolby Atmos, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories. • For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS, Inc. DTS, the Symbol, DTS in combination with the Symbol, DTS:X, and the DTS:X logo are registered trademarks or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved. • HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. • 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.



Yamaha Eco-Label

Yamaha Eco-Label is a mark that certifies products of high environmental performance.