

# WXC-50

MusicCast Pre-amplifier



# EXPAND

## Welcome to MusicCast

MusicCast is a revolution in networked multi-room audio.

Use all your MusicCast products together or separately - it's completely up to you.



## Fill your home with music

Play different music in each room, combine rooms or get everyone listening to the same thing, it's easy with the intuitive MusicCast app.



## Bluetooth and AirPlay

All MusicCast models are Bluetooth and AirPlay compatible. From video hosting services to music streaming apps, enjoy convenient audio streaming from your smartphone.



## Add MusicCast to your system

Use the WXC-50 Pre-amplifier with your existing components to enjoy seamless music streaming and multi-room control.





## AUDIO FEATURES

- 2 channel Pre-amplifier
- High-quality, 192 kHz/24-bit ESS SABRE DACs - the same as used in Yamaha's high-end AV Receivers
- Support for high-res audio formats including DSD 2.8/5.6 MHz, WAV/FLAC 192 kHz and ALAC 96 kHz
- Frequency response up to 100 kHz supporting high-resolution audio playback
- High-quality Player Mode bypasses Volume and Audio Processing - useful when connecting to high-end amplifiers
- Compressed Music Enhancer restores lost data from compressed music formats such as MP3 and AAC
- Volume-adaptive EQ automatically adjusts treble/bass balance to provide a uniform listening experience at different volumes
- 48-bit digital volume control provides much greater precision and quality than that of conventional digital or analogue controls
- Low noise and distortion
- Advanced Bass Extension delivers a more powerful low frequency response - great for compact or in-ceiling speakers

## ADVANCED FEATURES

- Bluetooth for wireless music streaming (SBC/AAC)
- Network functions
  - MusicCast app for intuitive multi-room control
  - Wi-Fi Built-in (802.11b/g/n)
  - Easy Wi-Fi setup (ie- iOS Wi-Fi settings sharing, WPS, etc.)
  - AirPlay® allows music streaming from Mac, iPod, iPhone, iPad
  - Access to: Internet Radio (vTuner): MP3, WMA Streaming Services (Spotify®, Pandora®) Music files on PC/NAS: WAV, MP3, WMA, AAC, FLAC, Apple Lossless, AIFF, DSD
- Wired LAN option
- Wireless Off option
- Seamless link to Yamaha Amplifiers with Main In and Trigger In terminals for control of system power and volume
- One push play - pressing any button turns the unit on and recalls/resumes the latest playback setting
- Flexible Trigger In/Out setup
- Web Setup compatibility

## DESIGN FEATURES

- Compact design measuring only 214 mm wide
- Able to be placed in horizontal or vertical orientations
- Installer-friendly size at 1U rack height (2 wide) with removable feet

## ECO-FRIENDLY DESIGN

- Low standby power consumption of 1.92W

## MAIN SPECIFICATIONS

NETWORK SECTION	
DLNA	Version 1.5
File Format	MP3, WMA, MPEG4 AAC, WAV, FLAC, AIFF, ALAC, DSD
Wi Fi	Yes
AirPlay	Yes
Bluetooth	Yes (SBC/AAC)
AUDIO SECTION	
Pure Direct	Yes
THD (20 Hz - 20 kHz)	0.003% (Pre-out)
Signal-to-Noise Ratio	112 dB (Opt/Net/USB/Bluetooth in)/98 dB (Aux In)
AirPlay	Yes
Bluetooth	Yes (SBC/AAC)

GENERAL SECTION	
Standby Power Consumption	1.92W
Dimensions (W x H x D)	214 x 51.5 x 260 mm (with antenna) 214 x 123.6 x 260 mm
Weight	1.44 kg



## CONNECTIONS

INPUTS	
Analogue Audio	1
Digital Audio	1
USB	1

OUTPUTS	
Analogue Audio	1
Digital Audio (Optical, Coaxial)	1
Subwoofer Out	1

OTHERS	
Ethernet	1
Remote In	1
Control (Trigger) In/Out	1/1

