

Yamaha WX-021 MusicCast 20

Yamaha MusicCast 20 Wireless Speaker Instruction Manual

Model: WX-021 / MusicCast 20

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Yamaha MusicCast 20 Wireless Speaker. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage. The Yamaha MusicCast 20 is a versatile wireless speaker designed to deliver superior sound quality and seamless connectivity within your home audio system. It supports various streaming options including Wi-Fi, AirPlay 2, Bluetooth, and Spotify Connect, and integrates with Amazon Alexa and Google Assistant for voice control.

2. SAFETY INFORMATION

Always observe the following basic precautions when using this product to reduce the risk of electric shock, short-circuiting, damages, fire or other hazards.

- **Power Supply:** Use only the specified power supply voltage. Do not place the power cord near heat sources.
- **Location:** Do not expose the unit to rain, use it near water, or in damp or wet conditions. Avoid direct sunlight, extreme temperatures, or excessive dust.
- **Handling:** Do not insert foreign objects into the unit. Do not open the unit or attempt to disassemble or modify the internal components.
- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- WX-021 MusicCast 20 Wireless Speaker (Pair)
- Power Cord(s)
- Quick Start Guide

- Safety Brochure
- Yamaha 2 Year Limited Warranty Information

4. PRODUCT OVERVIEW

The Yamaha MusicCast 20 speaker features a compact, cylindrical design with a durable black finish. It is equipped with a 3.5" woofer, a 1.125" soft dome tweeter, and dual passive radiators for balanced audio output.

4.1 Top Panel Controls



Image: Top view of the Yamaha MusicCast 20 speaker, highlighting the control panel. The panel includes buttons for Power, Alarm, Wi-Fi

status, Bluetooth status, three preset buttons (1, 2, 3), Play/Pause, Volume Down, Volume Up, and Connect. The Yamaha logo is centrally located.

- **Power Button:** Turns the speaker on or off.
- **Alarm Button:** Sets or checks alarm settings.
- **Wi-Fi Indicator:** Shows Wi-Fi connection status.
- **Bluetooth Indicator:** Shows Bluetooth connection status.
- **Preset Buttons (1, 2, 3):** Quickly access saved radio stations or playlists.
- **Play/Pause Button:** Controls media playback.
- **Volume Up/Down Buttons:** Adjusts the speaker volume.
- **Connect Button:** Used for network setup and MusicCast linking.

4.2 Rear Panel Connections



Image: Rear view of the Yamaha MusicCast 20 speaker, showing the power input at the bottom and a mounting point with a screw hole in the center. The "MusicCast" logo is visible at the top.

- **Power Input:** Connect the supplied power cord here.
- **Ethernet Port:** For wired network connection (optional).
- **Mounting Point:** Allows for wall mounting (hardware sold separately).

5. SETUP

5.1 Initial Placement



Image: A single Yamaha MusicCast 20 speaker positioned on a bedside table, demonstrating its compact size and suitability for various room placements.

Place the speaker on a stable, flat surface. Ensure there is adequate space around the speaker for proper ventilation. For optimal sound, avoid placing it in enclosed spaces or directly against walls, unless using wall-mount accessories.

5.2 Power Connection

1. Connect the supplied power cord to the power input on the rear of the speaker.
2. Plug the other end of the power cord into a wall outlet.
3. Press the Power button on the top panel to turn on the speaker.

5.3 Network Setup (MusicCast App)

The MusicCast app is essential for full functionality, including Wi-Fi setup, multi-room audio, and advanced settings.

1. Download the "MusicCast CONTROLLER" app from the App Store (iOS) or Google Play Store (Android) on your smartphone or tablet.
2. Ensure your mobile device is connected to the Wi-Fi network you wish to connect the speaker to.
3. Open the MusicCast app and follow the on-screen instructions to add a new device.
4. The app will guide you through connecting the speaker to your Wi-Fi network. This typically involves pressing the "CONNECT" button on the speaker's top panel when prompted.
5. Alternatively, you can connect the speaker directly to your router using an Ethernet cable for a wired network connection.

6. OPERATING INSTRUCTIONS

6.1 Basic Playback

- **Volume Control:** Use the **Volume Up** and **Volume Down** buttons on the top panel or within the MusicCast app.
- **Play/Pause:** Press the **Play/Pause** button on the top panel to start or stop playback.
- **Presets:** Use the **1, 2, 3** preset buttons to quickly access pre-registered internet radio stations or music services via the MusicCast app.

6.2 Connecting Devices

The MusicCast 20 offers multiple ways to connect and stream audio:

- **Wi-Fi:** For streaming from music services, network-attached storage (NAS), or other MusicCast devices. Requires setup via the MusicCast app.
- **Bluetooth:**
 - a. Press and hold the **Bluetooth** button on the top panel until the Bluetooth indicator flashes.
 - b. On your mobile device, enable Bluetooth and select "MusicCast 20" from the list of available devices.
 - c. The Bluetooth indicator will glow solid when connected.
- **AirPlay 2:** For streaming from Apple devices. Ensure your Apple device and the speaker are on the same Wi-Fi network, then select the MusicCast 20 from the AirPlay menu on your device.
- **Spotify Connect:** Stream directly from the Spotify app. Select the MusicCast 20 as the playback device within the Spotify app.

6.3 Voice Control (Alexa / Google Assistant)

The MusicCast 20 is compatible with Amazon Alexa and Google Assistant devices for voice control.

1. Ensure your MusicCast 20 speaker is connected to your network via the MusicCast app.
2. Open the Amazon Alexa app or Google Home app on your mobile device.
3. Enable the "MusicCast Skill" for Alexa or link your MusicCast account for Google Assistant.
4. Follow the app's instructions to discover and link your MusicCast 20 speaker.
5. You can now use voice commands to control playback, volume, and group speakers.

7. MULTI-ROOM & STEREO PAIRING

The MusicCast system allows for flexible audio configurations throughout your home.

7.1 Multi-Room Audio

Play the same music across multiple MusicCast devices in different rooms, or stream different music to each speaker.

1. Ensure all MusicCast devices are connected to the same network via the MusicCast app.
2. In the MusicCast app, drag and drop rooms together to link them and play synchronized audio.

7.2 Stereo Pairing



Image: A pair of Yamaha MusicCast 20 speakers, illustrating their use as a stereo pair for enhanced audio.

Pair two MusicCast 20 speakers to create a dedicated stereo setup for a wider soundstage and more immersive listening experience.

1. Ensure both MusicCast 20 speakers are connected to your network via the MusicCast app.
2. In the MusicCast app, select one of the MusicCast 20 speakers.
3. Navigate to the speaker settings and look for the "Stereo Pair" or "Link" option.
4. Follow the app's instructions to designate one speaker as the left channel and the other as the right channel.

7.3 Wireless Surround Sound

Combine a MusicCast Surround-capable AV receiver with a pair of MusicCast 20 speakers to create a 5.1 home theater system with wireless rear surround speakers.

1. Ensure your MusicCast Surround-capable AV receiver and both MusicCast 20 speakers are connected to the same network.
2. In the MusicCast app, select your AV receiver.
3. Navigate to the settings for the AV receiver and look for the "Wireless Surround" setup option.
4. Follow the app's instructions to assign the MusicCast 20 speakers as wireless rear channels.

8. MAINTENANCE

- **Cleaning the Unit:** Wipe the unit with a soft, dry cloth. Do not use chemical cleaning cloths, thinners, alcohol, or other chemical agents, as they may damage the finish.
- **Dust Removal:** Use a soft brush or a vacuum cleaner with a brush attachment to gently remove dust from the speaker grille.
- **Storage:** If storing the unit for an extended period, disconnect the power cord and place the unit in a cool, dry place

away from direct sunlight.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected securely.	Ensure the power cord is firmly plugged into the speaker and the wall outlet.
No sound	Volume is too low or muted. Input source not selected correctly.	Increase volume. Check the MusicCast app to ensure the correct input source is selected.
Cannot connect to Wi-Fi	Incorrect Wi-Fi password. Speaker too far from router. Network interference.	Verify Wi-Fi password. Move speaker closer to router. Try connecting via Ethernet. Restart router and speaker.
Bluetooth pairing fails	Speaker not in pairing mode. Device already connected.	Ensure speaker's Bluetooth indicator is flashing. Disconnect other Bluetooth devices. Try pairing again.
MusicCast speakers become unpaired (stereo/multi-room)	Temporary network instability. One speaker lost power.	Restart both speakers by unplugging and replugging them. Re-link them in the MusicCast app. Check router settings for stability.

If the problem persists, please refer to the Yamaha support website or contact customer service.

10. SPECIFICATIONS

Feature	Detail
Model Name	WX-021 / MusicCast 20
Speaker Type	Multi-Room Wireless Speaker
Drivers	3.5" Woofer, 1.125" Soft Dome Tweeter, Dual Passive Radiators
Connectivity	Wi-Fi (2.4/5 GHz), Bluetooth (Ver. 4.2 + EDR, SBC/AAC), AirPlay 2, Ethernet
High-Resolution Audio Support	Up to 192 kHz / 24-bit (ALAC, FLAC, WAV, AIFF)
Voice Control Compatibility	Amazon Alexa, Google Assistant
Maximum Output Power	60 Watts
Dimensions (W x H x D)	7.5" x 11.1" x 7.5" (19.05 cm x 28.19 cm x 19.05 cm)
Item Weight	12.3 Pounds (5.58 kg)
Color	Black
Power Source	AC Power

Feature	Detail
Surround Sound Channel Configuration	5.1 (when used as wireless rear speakers with compatible AV receiver)

Note: Specifications are subject to change without notice.

11. WARRANTY AND SUPPORT

Your Yamaha MusicCast 20 Wireless Speaker comes with a **Yamaha 2 Year Limited Warranty**. Please refer to the warranty information included in your product package for full terms and conditions.

For technical support, product registration, or to download the latest firmware updates and manuals, please visit the official Yamaha support website:

[Yamaha Official Support Website](#)

When contacting support, please have your product model number (WX-021 / MusicCast 20) and serial number ready.