

Q Acoustics M20 Series

Q Acoustics M20 HD Wireless Music System User Manual

Model: M20 Series

1. INTRODUCTION

The Q Acoustics M20 HD Wireless Music System provides high-resolution stereo sound through its advanced design and versatile connectivity options. This manual offers detailed instructions for setting up, operating, and maintaining your M20 speakers to ensure optimal performance and longevity.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the product. Keep this manual for future reference.

- **Power Source:** Connect the speakers only to the specified power supply. Ensure the voltage matches the requirements indicated on the product.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Water and Moisture:** Do not expose the apparatus to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Unplug the product from the wall outlet before cleaning. Use only a dry cloth for cleaning.

3. WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- 1 x Powered Speaker
- 1 x Passive Speaker
- 1 x Remote Handset (including batteries)
- 1 x Speaker Cable (13.1 feet)

- 1 x US Power Cord (5.9 feet)
- 2 x Foam Bungs
- 1 x User Manual (this document)



Image: The Q Acoustics M20 HD Wireless Music System, featuring two white speakers.

4. PRODUCT OVERVIEW AND FEATURES

The M20 HD Wireless Music System is designed to deliver exceptional audio performance with versatile connectivity.

- **High-Resolution Stereo Sound:** Features decoupled 0.9" tweeters and 4.9" mid/bass drivers with rear-firing reflex ports for balanced and dynamic audio.
- **Bluetooth 5.0 Connectivity:** Supports aptX, aptX HD, aptX Low Latency, SBC, and AAC for wireless streaming of high-resolution audio (up to 24-bit/48kHz).
- **P2P Braced Cabinets:** Rigid cabinets with Point-to-Point (P2P) bracing reduce internal vibrations, enhancing stereo imaging and sound-stage accuracy.
- **Versatile Inputs:** Includes USB, digital optical, stereo RCA, and 3.5mm inputs, plus a subwoofer output for expanded audio options.
- **Optimized Placement:** An EQ switch allows the system to optimize audio performance based on speaker placement (corner, wall, or free space).



aptX™ HD Bluetooth®

Connectivity for wireless
streaming of high
resolution-quality audio
(up to 24-bit/48kHz)

Image: A Q Acoustics M20 speaker, emphasizing its aptX HD Bluetooth capabilities for high-resolution wireless audio streaming.

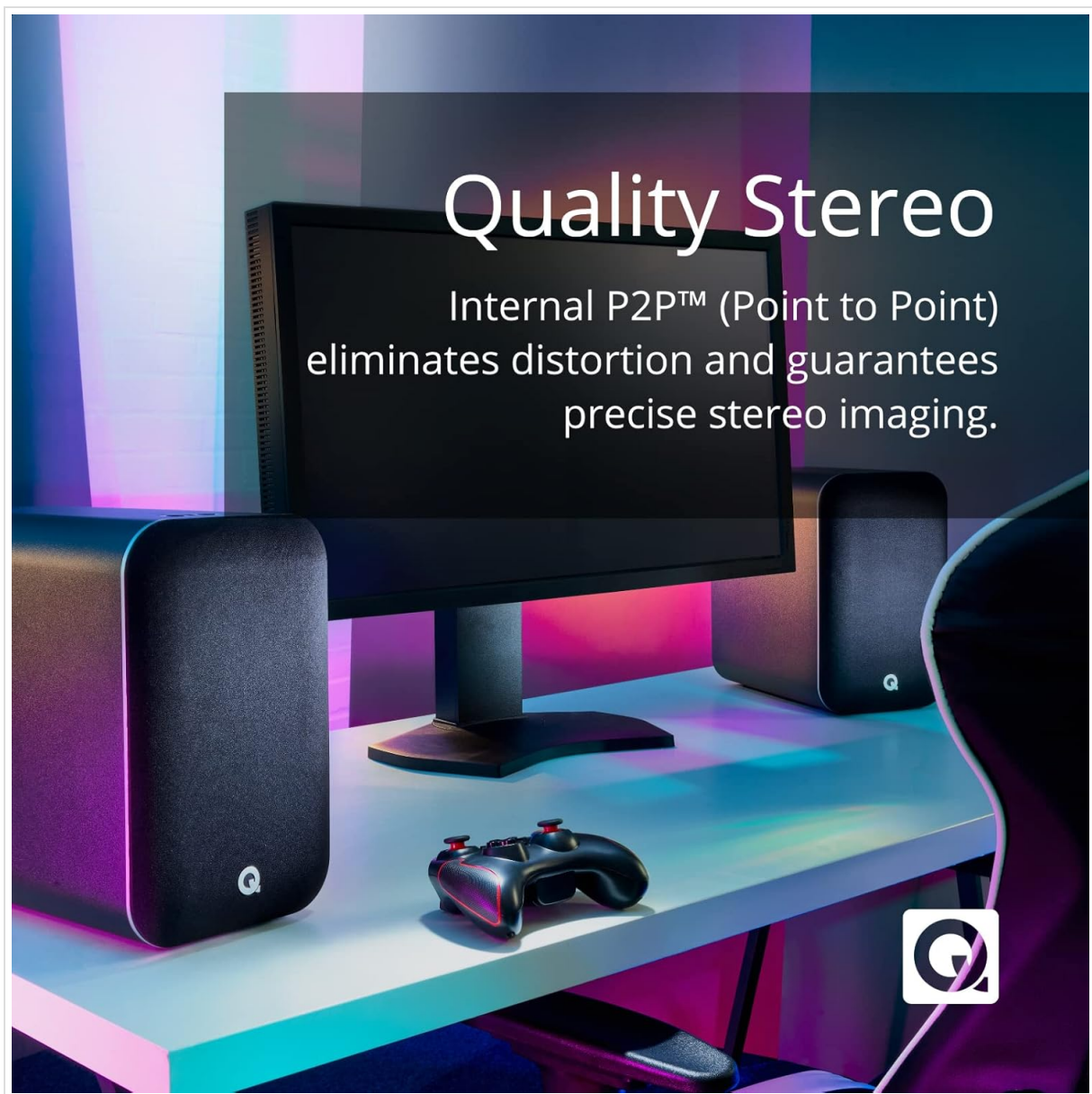


Image: Two Q Acoustics M20 speakers positioned on a desk, demonstrating their role in delivering quality stereo sound for a desktop setup.

5. SETUP

5.1 Speaker Placement

Position your M20 speakers on a stable, level surface. The powered speaker can be designated as either the left or right channel. Consider the acoustic environment of your room.

1. **EQ Switch:** Locate the EQ switch on the rear of the powered speaker. Adjust this switch according to your speaker's position:
 - **Corner:** For speakers placed in a room corner.
 - **Wall:** For speakers placed against a wall.
 - **Free Space:** For speakers placed away from walls and corners.

This setting optimizes the digital sound processing for the best audio performance in your specific setup.

5.2 Connecting the Speakers

1. Identify the powered speaker (with the power input and control panel) and the passive speaker.
2. Connect the supplied speaker cable between the 'SPEAKER OUT' terminals on the powered speaker and the corresponding terminals on the passive speaker. Ensure correct polarity (red to red, black to black).

5.3 Power Connection

1. Connect the supplied power cord to the power input on the powered speaker.
2. Plug the other end of the power cord into a suitable mains power outlet.

5.4 Input Connections

The M20 offers multiple input options:

- **Bluetooth:** For wireless audio streaming from compatible devices.
- **USB:** Connect to a computer for high-resolution audio playback (up to 24bit/192kHz).
- **Digital Optical:** Connect to TVs, game consoles, or other digital audio sources.
- **Stereo RCA (AUX):** For analog audio sources like CD players or turntables (with pre-amp).
- **3.5mm (AUX):** For portable audio players or other devices with a headphone output.
- **Subwoofer Output:** Connect an external subwoofer for enhanced bass.

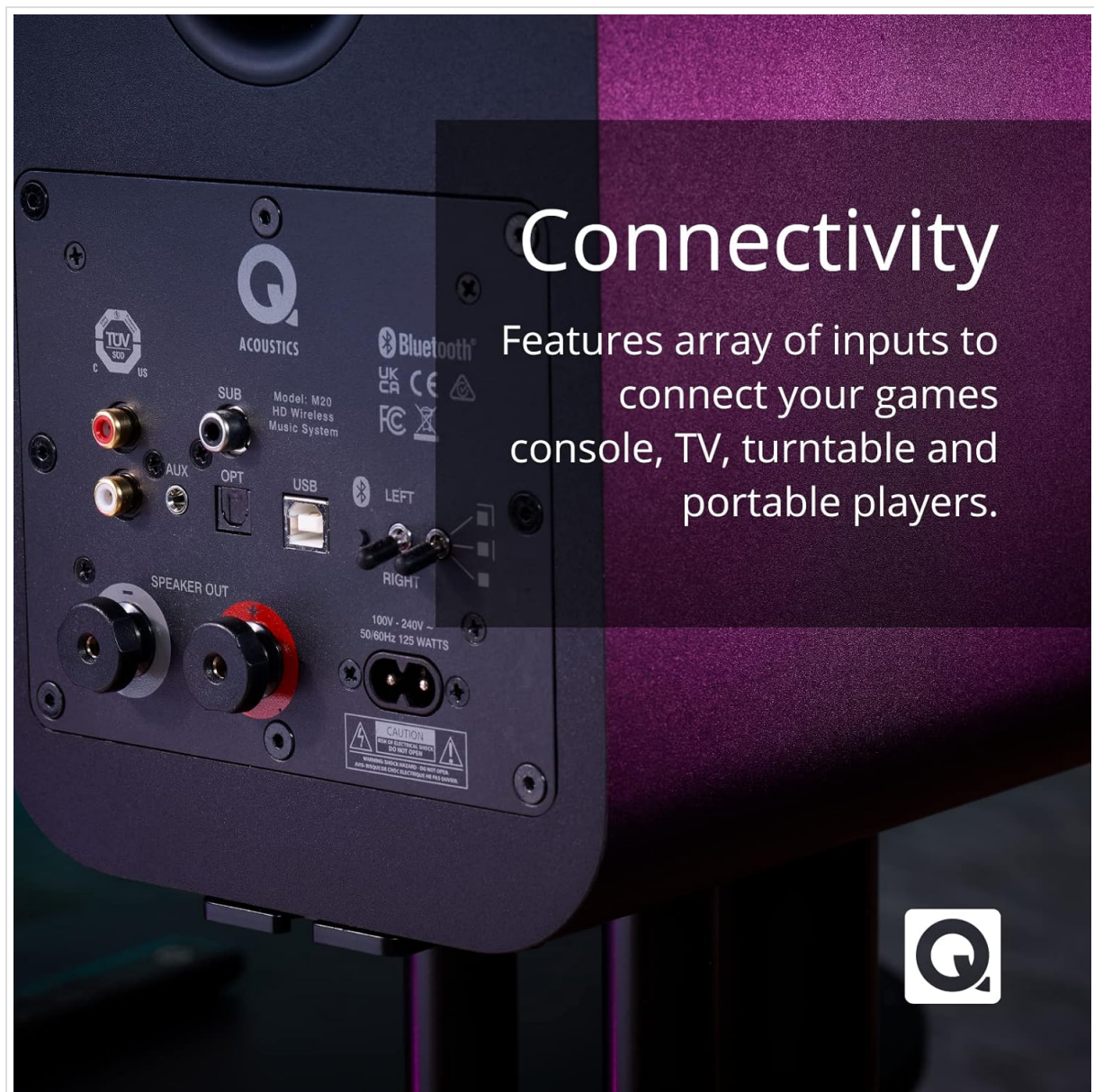


Image: A close-up of the rear panel of the Q Acoustics M20 powered speaker, detailing its array of input and output ports for diverse connectivity.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the power button on the remote control or the powered speaker to turn the system on or off. The LED indicator on the powered speaker will illuminate when powered on.

6.2 Source Selection

Use the 'Source' button on the remote control or the powered speaker to cycle through the available inputs (Bluetooth, USB, Optical, RCA, 3.5mm). The active input will be indicated by the LED on the powered speaker.

6.3 Bluetooth Pairing

1. Select Bluetooth as the input source. The Bluetooth LED will flash, indicating pairing mode.
2. On your device (smartphone, tablet, computer), enable Bluetooth and search for available devices.

3. Select 'Q Acoustics M20' from the list. Once connected, the Bluetooth LED on the speaker will glow solid.
4. If prompted for a password, enter '0000'.

6.4 Using the Remote Control

The remote handset provides convenient control over the M20 system:

- **Power:** Turns the system on/off.
- **Volume +/-:** Adjusts the master volume.
- **Mute:** Mutes or unmutes the audio.
- **Source Selection:** Cycles through input sources.
- **Bass/Treble +/-:** Adjusts bass and treble levels (if applicable).
- **Bluetooth Controls:** Play/Pause, Skip Track (for Bluetooth source).

7. MAINTENANCE

7.1 Cleaning

To clean the speakers, first unplug them from the power outlet. Use a soft, dry, lint-free cloth to wipe the surfaces. Avoid using abrasive cleaners, waxes, or solvents as these can damage the finish.

7.2 General Care

- Avoid placing heavy objects on the speakers.
- Keep speakers away from direct sunlight, excessive heat, and moisture.
- Ensure adequate ventilation around the speakers.

8. TROUBLESHOOTING

If you encounter any issues with your M20 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound	Power off; incorrect source selected; volume too low; speaker cable disconnected.	Ensure power is on; select correct input source; increase volume; check speaker cable connection.
Bluetooth not connecting	Speakers not in pairing mode; device too far; interference; previously paired device connected.	Ensure Bluetooth source is selected and flashing; move device closer; turn off other Bluetooth devices; disconnect from other devices.
Distorted sound	Volume too high; poor source quality; incorrect EQ setting.	Reduce volume; try a different audio source; adjust EQ switch based on placement.
Remote control not working	Batteries depleted; obstruction; remote out of range.	Replace batteries; remove obstructions; ensure remote is within range and pointed at the speaker.

If the problem persists after trying these solutions, please contact Q Acoustics customer support.

9. SPECIFICATIONS

Detailed technical specifications for the Q Acoustics M20 HD Wireless Music System:

Feature	Specification
Mounting Type	Plug Mount
Model Name	Q-M20-HD-WHT
Speaker Type	Bookshelf
Recommended Uses	Music
Compatible Devices	Desktop
Subwoofer Diameter	5 Inches
Surround Sound Channel Configuration	2.0
Color	White
Product Dimensions	13.8"D x 17.7"W x 15.7"H
Item Weight	12 Kilograms (26.4 pounds)
Control Method	Remote
Wireless Communication Technology	Bluetooth
Speaker Size	125 Millimeters
Power Source	Corded Electric
Signal-to-Noise Ratio	120 dB
Woofer Diameter	5.15 Inches
Number of Batteries	2 AA batteries required (for remote)
Audio Driver Type	Dynamic Driver
Bluetooth Range	60.96 Meters
Indoor/Outdoor Usage	Indoor
Speaker Maximum Output Power	64 Watts
Frequency Response	55Hz–22kHz
Connectivity Technology	USB, Bluetooth, Optical, RCA, 3.5mm
Audio Output Mode	Stereo

Specification

Crossover Frequency	2.6kHz
Dimensions	279mm (H) x 170mm (W) x 296mm (D)
Enclosure Type	2-Way Reflex
Frequency Response	55Hz - 22kHz
Power	32 - 65W
Weight	5.1kg (passive), 5.5kg (powered)
Inputs	Bluetooth® 5.0 (with aptX™, aptX™ HD, apt™ Low Latency, SBC and AAC compatibility) USB (24bit/192kHz compatibility) Digital optical (24bit/192kHz compatibility) Stereo RCA (line level) 3.5mm (line level)

Image: A visual representation of the Q Acoustics M20 speaker specifications, including crossover frequency, dimensions, and inputs.

10. WARRANTY AND SUPPORT








Q Acoustics products are designed and manufactured to the highest quality standards. This product is covered by a full warranty against defects in materials and workmanship under normal use.

- **Warranty Period:** Refer to your purchase documentation or the official Q Acoustics website for specific warranty duration.
- **Claiming Warranty:** In the event of a defect, please contact your retailer or Q Acoustics customer support with your proof of purchase.

For further assistance, product registration, or to view frequently asked questions, please visit the official Q Acoustics website or their Amazon store:

[Visit the Q Acoustics Store on Amazon](#)

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 Q Active MANUAL	Q Acoustics Q Active Wireless Speaker System - User Manual This manual provides comprehensive instructions for setting up, connecting, and operating the Q Acoustics Q Active wireless speaker system (models QA200 and QA400). It covers safety precautions, feature summaries, positioning, connectivity options, audio playback methods, system reset, and specifications.
 5000 Series OWNER'S MANUAL	Q Acoustics 5000 Series Owner's Manual Owner's manual for Q Acoustics 5000 Series loudspeakers, covering setup, installation, safety, and specifications for models 5010, 5020, 5040, and 5090.
 3000c Series OWNER'S MANUAL	Q Acoustics 3000c Series Owner's Manual Owner's manual for the Q Acoustics 3000c Series loudspeakers, providing setup, installation, and safety information.
 3000 系列 用户手册及产品说明书  3000	Q Acoustics 3000 - Q3070S Q Acoustics 3000 Q3070S
 3000i Speaker Stand Pair Assembly & Safety Instructions MANUAL	Q Acoustics 3000i Speaker Stand Pair Manual Assembly instructions and safety warnings for the Q Acoustics 3000i Speaker Stand Pair, suitable for 3010i and 3020i speakers.
 3060S OWNER'S MANUAL	Q Acoustics 3060S Owner's Manual User manual for the Q Acoustics 3060S active subwoofer, providing setup, installation, safety, and operational guidance for optimal audio performance.