

McIntosh MB10 HD

Bluetooth Receiver / Audio Player



User Guide

Congratulations on your purchase of the MB10 HD Bluetooth Receiver / Audio Player!
The following pages explain the features and operations of MB10 HD. Please take a few moments to read this user guide.
Also read all safety instructions before proceeding. The answers to most set up and performance questions can be found in this guide.

In the Box

- 1) MB10 HD
- 2) Optical Cable
- 3) USB-mirco USB Adapter
- 4) USB Power Adapter
- 5) RCA Stereo to RCA Stereo Audio Cables
- 6) 3.5mm to RCA Mono Audio Cable
- 7) Microfiber Bag
- 8) User Guide

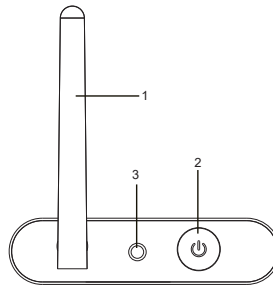
Overview

Enjoy a limitless universe of high definition digital music through your existing Hi-Fi audio system. The receiver streams the highest quality audio wirelessly from your Bluetooth enabled device to any music system or powered speakers. The receiver is a true high fidelity component that uses high-end aptX/AAC audio streaming codecs and audiophile grade DAC to unleash all the clarity, crispness and full emotional impact your Hi-Fi stereo system can deliver. Unlike standard Bluetooth receivers, the receiver provides ultimate wireless freedom with the longest wireless range.

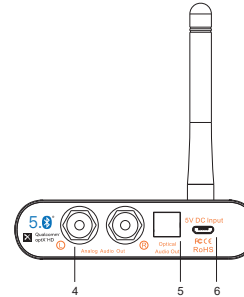
Key and parts

- 1) Antenna
- 2) Power / Pair button
- 3) 3.5mm stereo output (for RS100)
- 4) Analog stereo audio output
- 5) Toslink 24-bit optical output
- 6) DC power input

Front Panel



Rear Panel



Quick Setup

Setup and pairing is really easy. The following instructions will help you connect the receiver to your music system and pair with your tablet, computer or smartphone.

Step 1: Connect audio cables from the receiver rear panel to your music system audio input. (for stereo output)
Or Connect audio cable from the receiver front panel to your music system audio input. (for mono output)

Step 2: Connect a power adapter to the receiver with the include power supply cable and plug the power adapter into an AC outlet.

The receiver will automatically go into pair mode. The LED light will start flashing to indicate the unit is now ready to be paired.

Step 3: Turn ON Bluetooth on your device and go to Bluetooth preferences.

Step 4: Scan listed Bluetooth devices and select **"MB10 HD"** to pair and connect. The LED indicator should turn solid.

Step 5: Make sure your Hi-Fi audio system is turned on and the proper input source is selected.

Step 6: The music on your smart device will now play through your Hi-Fi audio system!
Repeat Steps 3 to 6 to add additional devices. The receiver can connect to one smart device at a time, but is capable of remembering up to 8 devices. **Double-press** the Power /Pair button until the indicator starts flashing once to disconnect the receiver from a paired device and put it back into pairing mode.

Remark: The pairing mode will keep 2 minutes, the MB10 HD will turn to standby mode after 2 minutes. If you want to turn to the pairing mode again, please simply press the Power/Pair button once.

Troubleshooting tips

How to power ON/OFF the receiver without unplugging.

To power off: Press and hold the Power/Pair button about 2 seconds until the indicator switches off.
To Power on: Simple press the Power / Pair button once.

Clear the pairing list: Turn the Bluetooth receiver MB10 HD off, then press and hold the Power/Pair button for about 10 seconds until the LED flashes blue once.

The receiver is connected but the LED indicator does not light up. Confirm that the power adapter is connected to the receiver with the included USB cable and plugged into a functioning AC outlet.

My device does not pair with the receiver.

Ensure that Bluetooth is turned ON on your device. Make sure that the LED indicator is blinking and your device is within the receiver's wireless range of 30 meters (100 feet).

The LED Indicators is solid, but I cannot connect my device.

Check whether no other devices are connected. If so, either disconnect or turn off Bluetooth on the other devices or press and hold the Power/Pair button till it flashes, then try connecting.

Try unpairing and repairing your device to the receiver. Power cycle the receiver by disconnecting and reconnecting the power cable.

The LED indicator is solid and my device is connected but there is no audio output.

Ensure that the receiver output is correctly connected to your audio system. Check whether the audio source is correctly selected on your music system (analog audio or digital optical input). Verify the volume levels on your computer OS and player App. Try unpairing and repairing your device to the receiver. Power cycle the receiver by disconnecting and reconnecting the power cable.

The volume output level from the receiver is Low.

Verify the volume levels on your computer OS and player App. Also check the volume levels on your powered speakers or stereo system.

The sound quality is poor and/ or the audio is cutting out.

Move your device or the receiver away from cordless phones, routers, microwave ovens or other Bluetooth devices. Try moving your device closer to the receiver. Try another location. Turn off your device's Wi-Fi. Try unpairing and repairing your device to the receiver. Power cycle the receiver by disconnecting and reconnecting the power cable. Check that your device's OS is updated to the latest version.

Only one channel plays music.

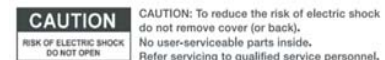
Check the cables between the receiver and your stereo system. Check your music player App and/or OS audio controls to ensure that the audio balance is centered.

Technical Specifications

Bluetooth Version	5.0 with aptX HD, aptX Low latency, aptX
Supported Codecs	aptX, AAC, SBC
Bluetooth Range	30 meters, 100 feet
Input	Bluetooth
Outputs	Digital Optical (SPDIF)
Input Power	5V, 200mA
Output Voltage	2 Volts RMS
Output Impedance	500Ohms
D/A Converter	PCM5102A
Frequency Response	10Hz – 20kHz (+/- 0.5dB)
Signal to Noise Ratio	112dB
Total Harmonic Distortion	+Noise-93dB
Latency	~30 milliseconds (ms)
Enclosure	Aluminum

Product Safety

When used in the directed manner, this unit has been designed and manufactured to ensure your personal safety. Improper use of this product can result in potential electrical shock or fire hazards. Please read all safety and operating instructions carefully before installation and use. Keep these instruction handy for future reference.



Users of this product are cautioned not to make modifications or changes that are not approved by our company. Doing so may void the compliance of this product and may result in the loss of the user's authority to operate the equipment.

Safety instructions

*Keep product dry to avoid affecting the interior circuitry of the product.

*Don't put the product in direct sunlight or place in hot areas.

*High temperature will shorten the life of electronic device.

*Don't expose to extreme temperatures, it may damage the internal circuit board.

*Don't take the product apart or the warranty will be voided.

*Don't drop the product.

*Don't use chemical or detergent to clean the product.

*Due to isolating characteristic of the product, do not use the product at excessive volume while driving or in any other activity where failure to hear surrounding sounds could be dangerous.

*Using the product at excessive volumes may cause permanent hearing damage. You can get the most out of your equipment and enjoy great audio performance even at safe levels.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by interference to radio or television reception, which can be determined by interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.