

1Mii DS70

1Mii DS70 Bluetooth 5.2 Transmitter User Manual

Model: DS70

1. INTRODUCTION

The 1Mii DS70 Bluetooth 5.2 Transmitter is designed to add Bluetooth audio transmission capabilities to your television or other audio sources. It enables you to wirelessly stream audio to Bluetooth headphones or speakers, providing a private listening experience without disturbing others. Key features include support for aptX Low Latency, aptX Adaptive, and aptX HD codecs for synchronized audio and video, the ability to connect two Bluetooth devices simultaneously, and a clear LCD display for intuitive operation. Its unique pass-through mode allows for simultaneous audio output to both Bluetooth headphones and a wired soundbar or stereo system.



2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- DS70 Bluetooth Transmitter for TV
- Optical Cable
- 3.5mm Audio Cable
- 3.5mm to RCA Audio Cable
- Charging Cable (USB)

3. PRODUCT OVERVIEW

The DS70 features a compact design with an integrated LCD display and various input/output ports on the rear panel.

3.1 Front Panel and Controls

The top surface of the DS70 houses the LCD display and control buttons:

- **LCD Display:** Shows pairing status, device name, decoding format, and volume level.
- **Search Button (Q):** Initiates Bluetooth device search.
- **OK Button:** Confirms selections.
- **Up/Down Buttons (^ , v):** Navigate menus and adjust volume.
- **Return Button (↶):** Goes back to the previous screen.

Screen Display for Easy Pairing

Makes pairing operations much simpler and easier



Volume Control



Easy Operation



Bluetooth 5.2



Figure 2: LCD Display and Control Buttons

3.2 Rear Panel and Ports

The rear panel provides all necessary audio input and power connections:

- **MIC Input:** For connecting a microphone (if applicable).
- **AUX Input:** 3.5mm audio jack for analog audio input.
- **OPT Input:** Optical (Toslink) port for digital audio input.
- **Input Source Switch (OPT/AUX/MIC):** Selects the active audio input.
- **Bypass/Speaker Output (AUX/OPT):** For pass-through audio to an external soundbar or stereo.
- **ON/OFF Switch:** Powers the device on or off.
- **DC IN:** USB-C port for power supply.

Universal Compatibility

Compatible with 99% of TVs



Optical Cable



3.5mm Cable



3.5mm to RCA Cable



Figure 3: Rear Panel Connections

4. SETUP

Follow these steps to set up your 1Mii DS70 Bluetooth Transmitter:

4.1 Power Connection

1. Connect the provided USB charging cable to the **DC IN** port on the DS70.
2. Plug the other end of the USB cable into a USB power adapter (not included) or a USB port on your TV/PC.
3. Flip the **ON/OFF** switch on the rear panel to the **ON** position. The device will power on and the LCD screen will illuminate.



Figure 4: Powering On the DS70

4.2 Audio Input Connection

Choose one of the following methods to connect the DS70 to your audio source (e.g., TV, PC, CD player):

- **Optical (Digital Audio):** Use the provided optical cable to connect the **OPT Input** on the DS70 to the optical output port on your TV or audio source.
- **AUX (Analog Audio):** Use the provided 3.5mm audio cable to connect the **AUX Input** on the DS70 to the 3.5mm headphone jack or AUX output on your TV or audio source.
- **RCA (Analog Audio):** Use the provided 3.5mm to RCA audio cable. Connect the 3.5mm end to the **AUX Input** on the DS70 and the RCA ends to the corresponding red and white RCA audio output ports on your TV or audio source.
- **MIC Input:** If your TV lacks audio outputs, you can use the MIC input for sound collection with a microphone (microphone not included).

Important Note:

- After connecting the audio cable, ensure you switch the **Input Source Switch** on the DS70's rear panel to match the connected input (e.g., **OPT** for optical, **AUX** for 3.5mm/RCA, **MIC** for microphone). Failure to do so will result in no sound output.



Figure 5: Selecting Audio Input Source

5. OPERATING INSTRUCTIONS

5.1 Pairing Bluetooth Headphones/Speakers

1. Ensure the DS70 is powered on and the correct audio input is selected.
2. Put your Bluetooth headphones or speaker into pairing mode. Refer to your device's manual for specific instructions.
3. On the DS70, press the **Search (Q)** button. The DS70 will begin searching for nearby Bluetooth devices, and the LCD screen will display a list of discoverable devices.

4. Use the **Up/Down** (\wedge , \vee) buttons to navigate the list and select your desired Bluetooth device.
5. Press the **OK** button to confirm the selection and initiate pairing.
6. Once successfully paired, the device name will appear on the DS70's screen, and the Bluetooth icon will indicate a stable connection.



Figure 6: Pairing with Bluetooth Headphones

5.2 Pairing Two Headphones Simultaneously

The DS70 can transmit audio to two Bluetooth headphones or speakers at the same time:

1. Pair the first Bluetooth headphone/speaker as described in Section 5.1.
2. Once the first device is connected, put your second Bluetooth headphone/speaker into pairing mode.
3. Press the **Search (Q)** button on the DS70 again.
4. Select the second device from the list on the LCD screen and press **OK** to pair.
5. Both connected devices will be displayed on the screen (e.g., A: BT headphone 1, B: BT headphone 2).



Figure 7: Dual Headphone Pairing

5.3 Volume Control

Use the **Up/Down** (\wedge , \vee) buttons on the DS70 to adjust the output volume. The current volume level will be displayed on the LCD screen.

5.4 Unique Pass-through Mode

The pass-through mode allows audio to be simultaneously output to both Bluetooth headphones and a wired soundbar or stereo system. This is particularly useful for shared viewing experiences or for individuals with hearing impairment who prefer headphones while others listen via speakers.

1. Connect your TV's audio output to the DS70's input (Optical, AUX, or RCA) as described in Section 4.2.
2. Connect your wired soundbar or stereo system to the **Bypass/Speaker Output** (AUX or OPT) on the DS70's rear panel.
3. Pair your Bluetooth headphones/speakers with the DS70 as described in Section 5.1.
4. Audio will now be transmitted wirelessly to your Bluetooth devices and simultaneously through the wired connection to your soundbar/stereo.

Unique Pass-through Mode

Bluetooth headphones and TV speakers play TV audio simultaneously



Figure 8: Pass-through Mode in Use

6. MAINTENANCE

To ensure the longevity and optimal performance of your 1Mii DS70 transmitter:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty.

7. TROUBLESHOOTING

If you encounter issues with your DS70, please refer to the following common problems and solutions:

- **No Sound Output:**
 - Ensure the DS70 is powered on.

- Verify that the audio input cable is securely connected to both the DS70 and your audio source (TV/PC).
- Check that the **Input Source Switch** on the DS70's rear panel is set to the correct input (Optical, AUX, or MIC) corresponding to your connection.
- Confirm that your TV's audio output settings are correctly configured to send audio through the selected port (e.g., PCM for optical output, not Bitstream/Dolby/DTS).
- Ensure your Bluetooth headphones/speakers are powered on, in pairing mode, and successfully connected to the DS70.
- Adjust the volume on both the DS70 and your connected Bluetooth device.

- **Audio Delay (Lip-Sync Issues):**

- The DS70 supports aptX Low Latency (aptX LL) for minimal audio delay. To achieve low latency, your Bluetooth headphones/speakers must also support aptX LL. If your headphones do not support aptX LL, the DS70 will use other codecs (like aptX, SBC), which may result in a 70-200ms audio delay.
- aptX LL is not supported when connecting two pairs of headphones simultaneously.

- **Cannot Pair Bluetooth Device:**

- Ensure your Bluetooth headphones/speakers are in pairing mode and discoverable.
- Make sure the DS70 is in search mode (press the **Search (Q)** button).
- Move the DS70 closer to your Bluetooth device.
- Clear the pairing history on both the DS70 and your Bluetooth device, then try pairing again.
- Restart both the DS70 and your Bluetooth device.

- **Intermittent Connection or Poor Audio Quality:**

- Ensure there are no significant obstacles (walls, large metal objects) between the DS70 and your Bluetooth device.
- Reduce the distance between the DS70 and your Bluetooth device.
- Avoid placing the DS70 near other wireless devices that may cause interference (e.g., Wi-Fi routers, cordless phones).

8. SPECIFICATIONS







Feature	Specification
Model Number	DS70
Bluetooth Version	5.2
Supported Audio Codecs	aptX Low Latency, aptX Adaptive, aptX HD, aptX, SBC
Connectivity Technology	Bluetooth
Input Ports	Optical, 3.5mm AUX, MIC
Output Mode	Stereo
Simultaneous Connections	Up to 2 Bluetooth headphones/speakers
Product Dimensions	8.6D x 8.6W x 10H centimetres

Weight	184 g
Manufacturer	1Mii

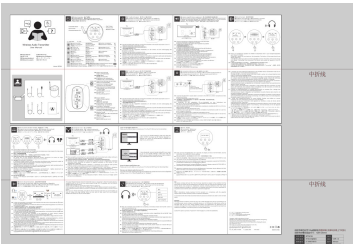
9. WARRANTY AND SUPPORT

1Mii products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or customer service inquiries, please visit the official 1Mii website or contact their customer support team directly. Please retain your proof of purchase for warranty claims.

Related Documents - DS70

	1Mii B03 Bluetooth 5.3 Transmitter Receiver User Manual User manual for the 1Mii B03 Bluetooth 5.3 Transmitter Receiver, detailing its features, operation, and troubleshooting for home stereo audio transmission with aptX Low Latency and HD support.
	1Mii B03 Bluetooth 5.0 Transmitter Receiver User Guide Comprehensive user guide for the 1Mii B03 Long Range Bluetooth 5.0 Transmitter and Receiver. Learn how to connect your TV or home stereo for wireless audio with aptX Low Latency support.
	1Mii B06TX Bluetooth Transmitter Setup Guide A concise guide to setting up and pairing the 1Mii B06TX Bluetooth 5.0 transmitter for wireless audio connections to TVs, headphones, and speakers.
	1Mii B06TX Bluetooth 5.2 Transmitter User Manual User manual for the 1Mii B06TX Bluetooth 5.2 Transmitter, detailing its features, setup, and operation for connecting TVs to wireless headphones or speakers.
	1Mii B03 Pro Bluetooth Transmitter Receiver Quick User Guide A concise guide to using the 1Mii B03 Pro Bluetooth transmitter and receiver, covering TX mode, RX mode, and Bypass mode. Includes setup instructions, pairing procedures, LED status indicators, and troubleshooting tips.
	1Mii B03Pro Bluetooth 5.0 Transmitter and Receiver User Manual User manual for the 1Mii B03Pro Bluetooth 5.0 audio transmitter and receiver. Features include aptX HD, Low Latency, ESS DAC, Optical/RCA/AUX connectivity, and dual-link for high-fidelity wireless audio streaming.

Documents - 1Mii – DS70



[pdf] User Manual

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aptX AD HD LL SBC Optical AUX RCA Jacks and Mic in Dual Device Connection Long Range
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