

1Mii RT5066

1Mii RT5066 Wireless Audio Transmitter Receiver User Manual

Model: RT5066 | Brand: 1Mii

1. INTRODUCTION

Thank you for choosing the 1Mii RT5066 Wireless Audio Transmitter Receiver. This kit provides a high-fidelity, low-latency solution for wirelessly transmitting audio from your source devices to your audio output systems. Enjoy crystal-clear sound and flexible connectivity without the clutter of cables.



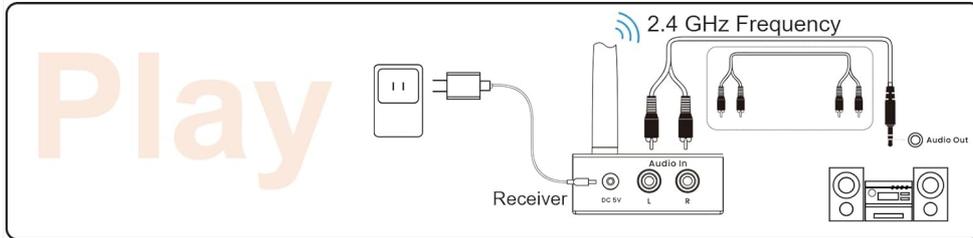
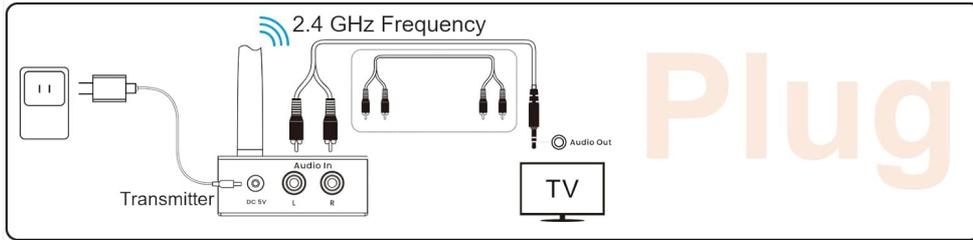
The 1Mii RT5066 Wireless Audio Transmitter and Receiver units.

2. WHAT'S IN THE BOX

- 1Mii RT5066 Wireless Audio Transmitter + Receiver
- RCA to 3.5 Male Audio Cable * 2
- RCA Audio Cable * 2
- DC 5V Power Cable + Power Adapter * 2
- Antenna * 2

Plug & Play Very Easy to Use

Connect to the power supply, auto power on, auto pairing



All components included in the 1Mii RT5066 package.

3. PRODUCT FEATURES

- **Wireless Audio Transmission:** Wirelessly sends audio to powered speakers, subwoofers, amplifiers, soundbars, home theater systems, or stereos.
- **Long Range Transmission:** Supports 2.4 GHz technology with antennae reaching up to 320 feet (100 meters) outdoors and 100-200 feet (30-50 meters) indoors.
- **HiFi Audio & Low Delay:** Delivers high-quality audio (better than CD quality) with less than 20ms delay, ensuring clear, stable, noise-free, and synchronized sound.
- **Flexible Connection:** Transmitter connects to any audio source with 3.5mm AUX and RCA output. Receiver connects to any home stereo, amp, or powered wired speaker with 3.5mm AUX and RCA input.
- **Plug & Play:** Simple to use; connect to power, and units will automatically power on and connect.



Extended Long Range
up to 320 ft (100m)
Stable Connection



Extended long-range capability of the 1Mii RT5066.

Zero Latency Between Any Audio Devices

2.4GHz wireless technology brings you perfect audio and video synchronization



2.4GHz
Zero Latency



Zero latency for perfect audio and video synchronization.

4. SETUP GUIDE

Follow these steps to set up your 1Mii RT5066 Wireless Audio Transmitter Receiver kit:

4.1 Connecting the Transmitter

1. Connect the DC 5V power cable to the Transmitter unit and plug the other end into a power adapter.
2. Connect the Transmitter to your audio source (e.g., TV, PC, CD player, MP4 player) using the appropriate RCA or 3.5mm AUX audio cable. Use the 'Audio In' ports on the Transmitter.

4.2 Connecting the Receiver

1. Connect the DC 5V power cable to the Receiver unit and plug the other end into a power adapter.
2. Connect the Receiver to your audio output device (e.g., powered speaker, amplifier, soundbar) using the appropriate RCA or 3.5mm AUX audio cable. Use the 'Audio Out' ports on the Receiver.



Diagram illustrating the plug and play setup for the transmitter and receiver.

4.3 Setup Video Guide

Video: 1Mii Wireless Transmitter Receiver Kit Instructions for Use. This video provides a visual guide on how to set up the transmitter and receiver units.

Video: RT5066 Wireless Audio Transmitter and Receiver. A comprehensive overview of the product and its setup.

5. OPERATING INSTRUCTIONS

Once both the transmitter and receiver are powered on, they will automatically pair. The indicator lights on both units will turn solid blue, indicating a successful connection.

5.1 Pairing Process

Video: How to Pair the RT5066 Receiver and the Transmitter? This video demonstrates the automatic pairing process. If one unit is turned off or loses power, the other unit's light will flash red and blue. To re-establish the connection, ensure both units are powered on. They should automatically re-pair.

6. MAINTENANCE

To ensure the longevity and optimal performance of your 1Mii RT5066, please follow these maintenance guidelines:

- Keep the devices clean by wiping them with a soft, dry cloth.
- Avoid exposing the units to extreme temperatures, humidity, or direct sunlight.
- Do not disassemble the units. Any repairs should be performed by qualified personnel.
- Ensure proper ventilation around the units to prevent overheating.

7. TROUBLESHOOTING

If you encounter issues with your 1Mii RT5066, refer to the following common problems and solutions:

7.1 Pairing Issues / Indicator Light Flashing Red and Blue

If the indicator light on either the receiver or transmitter flashes red and blue and cannot be paired, you may need to reset the units. We recommend resetting the receiver first, then the transmitter.

Video: How to Reset the Receiver and Transmitter? This video guides you through the reset process.

7.2 Audio Loss or Cutout

- Ensure the units are within the recommended transmission range (320ft outdoors, 100-200ft indoors).
- Obstacles such as walls, metal objects, or other 2.4GHz devices (like Wi-Fi routers) can affect signal strength and range. Try repositioning the units to minimize obstructions.
- Check all cable connections to ensure they are secure.

7.3 Static Noise or Unclear Sound

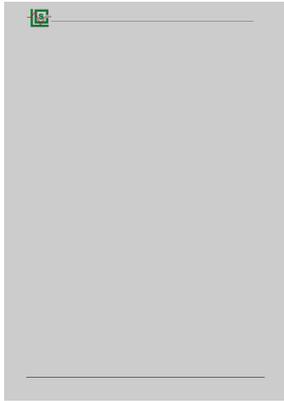
- Verify that all audio cables are correctly connected and not damaged.
- Ensure the audio source and output devices are functioning correctly.
- Minimize interference from other electronic devices.
- Confirm that the RT5066 is connected to a powered speaker/subwoofer, not a passive speaker, as it is not an amplifier.

8. SPECIFICATIONS

Feature	Specification
Model Number	RT5066
Product Dimensions	2.3 x 3.8 x 0.94 inches
Item Weight	1.26 pounds
Connectivity Technology	Wireless, 2.4GHz
Audio Output Mode	Stereo
Surround Sound Channel Configuration	2
Compatible Devices	Television, Home Stereo, Speaker
Connector Type	RCA
Color	Black

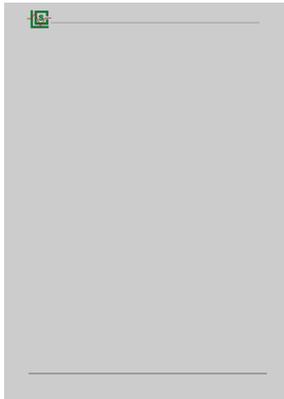
9. WARRANTY AND SUPPORT

1Mii products are designed and manufactured to the highest quality standards. For warranty information and technical support, please refer to the contact details provided in your product packaging or visit the official 1Mii website. Keep your purchase receipt for warranty claims.



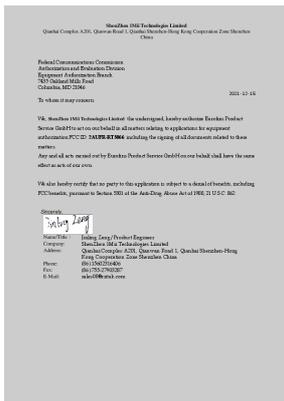
[pdf] Test Report

Test Report DTS ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFRT 2AUFRRRT5066 rt5066
Shenzhen LCS Compliance Testing Laboratory Ltd. FCC ID: 2AUFRR**RT5066** Report No.: LCS211109059AEB
TEST REPORT For Shenzhen 1Mii Technologies Limited Wireless receiver and transmitter Test Model: **RT50**
Prepared for Address Prepared by Address Tel Fax Web Mail Date of receipt of test sample Numbe...
lang:en score:38 filesize: 1001.19 K page_count: 34 document date: 2021-12-17



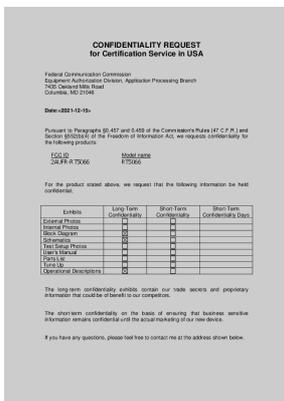
[pdf] Test Report

Test Report DSS ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFRT 2AUFRRRT5066 rt5066
Shenzhen LCS Compliance Testing Laboratory Ltd. FCC ID: 2AUFRR**RT5066** Report No.: LCS211109059AEA
TEST REPORT FOR Shenzhen 1Mii Technologies Limited Wireless receiver and transmitter Test Model: **RT5**
Prepared for Address Prepared by Address Tel Fax Web Mail Date of receipt of test sample Numb...
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FCC POA ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFRT 2AUFRRRT5066 rt5066
Shenzhen 1Mii Technologies Limited Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kon
on our behalf in all matters relating to applications for equipment authorization FCC ID: 2AUFRT-**RT5066** includ
signing of all documents related to these matters. Any and all acts carried out...
lang:en score:37 filesize: 68.94 K page_count: 1 document date: 2021-12-15



[pdf] Confidentiality Request Letter

FCC Confidentiality request letter ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFRT 2AUFRRRT50
CONFIDENTIALITY REQUEST for Certification Service in USA Federal Communication Commission Equipm
Freedom of Information Act, we requests confidentiality for the following products: FCC ID 2AUFRT-**RT5066** Mc
RT5066 For the product stated above, we request that the following information b...
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Appendix A

RF Test Data for BT V5.1 (DSS) (Conducted Measurement)

Product Name: Wireless receiver and transmitter
Test Model: RT5066

Environmental Conditions	
Temperature	23°C
Relative Humidity	62.7%
ATM Pressure	1023.0hPa
Test Engineer	muqian J1
Supervised by	Wenjun Li
	Li Huan

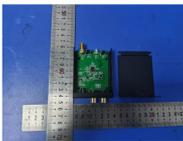
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Tonscend Appendix A Test Data for BT ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFR 2AUFR r5066

Shenzhen LCS Compliance Testing Laboratory Ltd. FCC ID: 2AUFR**RT5066** Report No.: LCS211109059AEA Appendix A RF Test Data for BT V5.1 DSS Conducted Measurement Product Name: Wireless receiver and tra Test Model: **RT5066** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Superv...

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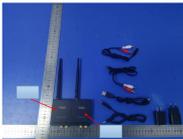


[pdf] Product Photos Teardown

Internal Photos ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFR 2AUFRRT5066 r5066

Shenzhen LCS Compliance Testing Laboratory Ltd. 1. INTERIOR PHOTOGRAPHS FCC ID: 2AUFR-**RT5066** Antenna Fig. 1 Fig. 2 This report shall not be reproduced except in full, without the written approval of Shenzhen Compliance Testing Laboratory Ltd. Page 1 of 4 Shenzhen LCS Compliance Testing ...

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[pdf] Product Photos

External Photos ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFR 2AUFRRT5066 r5066

Shenzhen LCS Compliance Testing Laboratory Ltd. 1. EXTERIOR PHOTOGRAPHS FCC ID: 2AUFR-**RT5066** Transmitter Receiver Fig. 1 Fig. 2 This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 1 of 4 Shenzhen LCS Complianc...

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FCC RF Exposure Evaluation

1. Product Information

FCC ID	2AUFR-RT5066
Product Name	Wireless receiver and transmitter
Manufacturer	RT5066
Power Supply	Input: DC 5V For AC Adapter Input: 100-240V/50/60Hz For USB Adapter Input: 5V, 1.5A, 7W
Hardware Version	RT5066 V1.0 (V1.0) 20210509
Software Version	4.0.0.0.0.1
Bluetooth	2.4G, BLE V4.2
Channel Number	79 channels for Bluetooth V5.1 (DSS) 46 channels for Bluetooth V4.2 (DSS)
Channel Spacing	160K for Bluetooth V5.1 (DSS) 120K for Bluetooth V4.2 (DSS)
Modulation Type	QPSK for Bluetooth V5.1 (DSS) GFSK for Bluetooth V4.2 (DSS)
Antenna Type	External antenna
Antenna Gain	2.0dBi
Antenna Impedance	50 Ohm
EMF Type	General operation/uncontrolled environment
DUT Type	Production Unit
Device Type	Mobile device

Evaluation method and link

Systems operating under the provisions of FCC 47 CFR section 15.107 shall be operated in a manner that ensures that the public will not be exposed to radio frequency energy in excess of the Commission's guidelines...

In accordance with 47 CFR 1.1307(b)(1) for the purposes of this report, SAR was evaluated under the most of the SAR values for all configurations. For this purpose, the maximum SAR was evaluated under the most of the SAR values for all configurations. For this purpose, the maximum SAR was evaluated under the most of the SAR values for all configurations. For this purpose, the maximum SAR was evaluated under the most of the SAR values for all configurations.

2. Refer Evaluation Method

2.1 Refer Evaluation Method

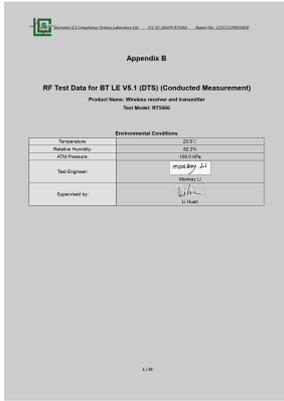
47 CFR 1.1307(b)(1) SAR Method for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3.160 to 3.163-04a.

FCC RF Exposure Evaluation Report Link: [FCC RF Exposure Evaluation Report](#)

[pdf] Test Report SAR Rating

RF Exposure Evaluation ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFR 2AUFRRT5066 r5066 Shenzhen LCS Compliance Testing Laboratory Ltd. FCC RF Exposure Evaluation FCC ID: 2AUFR-**RT5066** 1. Information FCC ID Product name Test Model Power Supply Hardware Version Software Version Bluetooth CI Number Channel Spacing Modulation Type Bluetooth Version Antenna Type Antenna Gain...

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Tonscend Appendix B Test Data for BT LE ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFR 2AL rt5066

Shenzhen LCS Compliance Testing Laboratory Ltd. FCC ID: 2AUFR-**RT5066** Report No.: LCS211109059AEB Appendix B RF Test Data for BT LE V5.1 DTS Conducted Measurement Product Name: Wireless receiver and transmitter Test Model: **RT5066** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Sup... lang:en score:29 filesize: 3.97 M page_count: 23 document date: 2021-12-17



[pdf] Label

Label and Location ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver transmitter 2AUFR 2AUFRRT5066 rt5066 Shenzhen LCS Compliance Testing Laboratory Ltd. LABEL AND LOCATION FCC ID: 2AUFR-**RT5066** Wireless receiver and transmitter Model: **RT5066** FCC ID: 2AUFR-**RT5066** This device complies with part 15 of the FCC Operation is subject to the following two conditions: 1 this device may not cause harmful... lang:en score:29 filesize: 48.65 K page_count: 1 document date: 2021-12-17

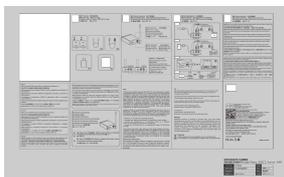


[pdf] Product Photos

Test Setup Photos ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFR 2AUFRRT5066 rt5066 Shenzhen LCS Compliance Testing Laboratory Ltd. FCC ID: 2AUFR-**RT5066** Test Setup Photos of the EUT Test Photos of Radiated Emissions Measurement Fig. 1 Fig. 2

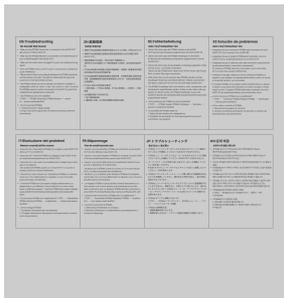
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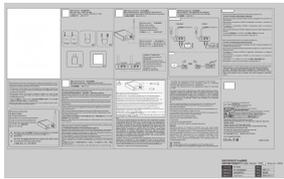
[pdf] User Manual SAR Rating

03 10 19 cdr Administrator User Manual ShenZhen 1Mii Technologies Limited RT5066 Wireless receiver and transmitter 2AUFR 2AU rt5066 RF Exposure Information This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. ... lang:en score:20 filesize: 2.36 M page_count: 1 document date: 2021-12-14



[pdf] Troubleshooting Guide

RT5066 20240710 1Mii 2.4Ghz Wireless Audio Transmitter Receiver for TV 320ft Long Range 20ms Low Delay HiFi Adapter Kit Su Powered Speaker Stereo Soundbar RCA 3.5mm AUX Out Input in 1 RT5066 Troubleshooting Guide B0C77WVCG8 B09MCGQ8S2 B0C2TQYHKX C12GgFyQfNL m media amazon images 1 ||| ... lang:en score:19 filesize: 6.1 M page_count: 1 document date: 2024-09-11

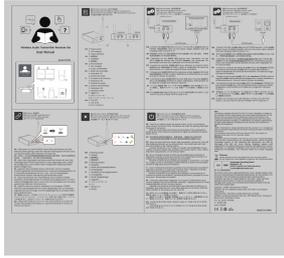


[\[pdf\]](#) Instructions

03 11 cdr Administrator 1Mii Wireless Transmitter Receiver Audio for Music 2 4GHz Long Range 320 ft and Low Delay from TV to Speaker Stereo Subwoofer Soundbar RCA Out in RT5066 Instructions Use IFU 1mii B0BX3876MG B09MCGQ8S2 B1VotYyq4wL m m amazon images | |||

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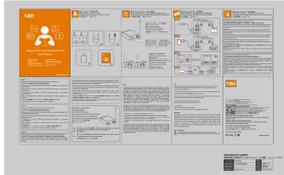


[\[pdf\]](#) Instructions

RT5066 20240708 Administrator 1Mii 2 4Ghz Wireless Audio Transmitter Receiver for TV 320ft Long Range 20ms Low Delay HiF Kit Subwoofer Powered Speaker Stereo Soundbar RCA 3 5mm AUX Out Input in 1 RT5066 Instructions Use IFU B0C77WVCG8 B09M B0C2TQYHKX C1uRiHSMi4L m media amazon images | |||

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