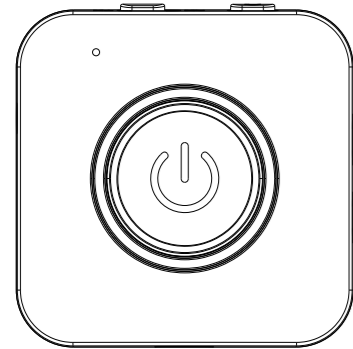


### BLUETOOTH 5.0 TRANSMITTER AND RECEIVER 2 IN 1 ADAPTER

#### User manual

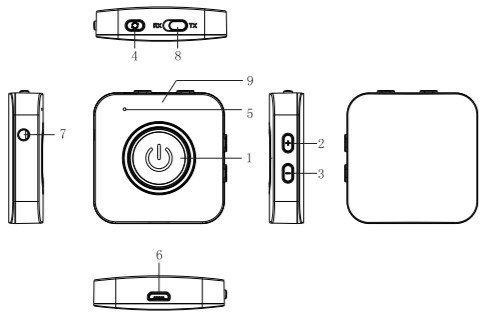


Model: DWR21  
Support Email: info@ilaicomein.com

**PACKAGE CONTENTS:**

- 1\*Bluetooth 2 in 1 Adapter
- 1\*3.5mm Audio Cable
- 1\*3.5mm to 2-Male RCA Cable
- 1\*3.5mm male to male connector
- 1\*USB Charging Cable
- 1\*User Manual

**PRODUCT DIAGRAM**



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1. MFB Button: power on/off; play/pause; answer/hang up calls; wake up Siri

2. Volume + Button/Next track

3. Volume - Button/Previous track

4. Pairing Button

5. LED Indicator

6. Type-C Charging Port

7. 3.5mm Audio AUX Port

8. Bluetooth Transmitter(TX)/Receiver(RX) Switch

9. Microphone

**SPECIFICATION:**

Bluetooth Version: Bluetooth V5.0  
Frequency Range: 2.4GHz-2.48GHz  
Transmission Power: CLASS2  
Bluetooth Profile: HFP A2DP AVRCP  
Bluetooth Range: about 33ft/10 m  
Charging Power: DC+5V  
Battery Capacity: 180mAh/3.7V  
Charging Current: 150mA  
Charging Time: 2 Hours  
Working Current: about 30mA (the distance between the transmitter and the product increases, the current will increase accordingly)

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Working Time: 8-9 hours (depends on actual usage)  
Bluetooth Device Name: receiver mode DWR21; transmitter mode T-DWR21

**BASIC OPERATION:**

**RECEIVE/TRANSMIT MODE SWITCH:**

When the switch is turned to "RX", the product is in the receiving mode and the LED indicator is blue; When the switch is turned to "TX", the product is in the transmitting mode and the LED indicator is green.

**NOTE:** When the product is turned on and in the working state, it can directly switch between the receiving and transmitting modes. After switching, the product will automatically restart and enter the corresponding pairing mode.

**POWER ON:**

Press and hold the MFB button for 3 seconds in the off state, the product will automatically turn on and enter the pairing or reconnecting state. If it is in the receiving mode, the blue indicator flashes quickly, and if it is in the transmitting mode, the green indicator flashes quickly.

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**POWER OFF:**

**MANUAL POWER OFF:**

Press and hold the MFB button for 3 seconds in the power-on state, the red indicator light stays on for 1 second and then goes out, and the product shuts down.

**AUTOMATIC SHUT-DOWN:**

① After the product is turned on, it enters the pairing and connection state. If there is no connection after 10 minutes, the product will automatically shut down.

② After the product bluetooth connection is out of the bluetooth range, it enters the pairing and reconnect state, and if there is no connection after 20 minutes, the product will automatically shut down.

③ When the battery power is lower than 3.3V, the product will automatically shut down.

**CLEAR THE PAIRING LIST:**

Press and hold the pairing button for 8 seconds in the power-on state, when the red indicator light flashes slowly 2 times (1s once) and then

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turns off, the product will clear the list of paired Bluetooth devices in the corresponding mode and re-enter the pairing state.

**NOTE:** When the product is clearing the pairing list, if it is in the receiving mode, the pairing record in the receiving mode will be cleared, and if it is in the transmitting mode, the pairing record in the transmitting mode will be cleared.

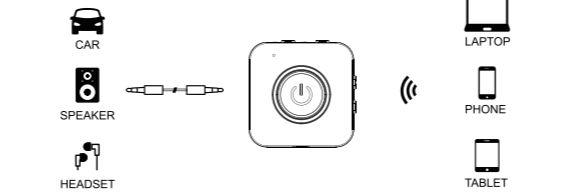
**LED INDICATORS**

LED Indicator	Status
Blue light flashes quickly	Pairing or reconnection status in Receiver(RX) mode
Solid blue light	Connected in Receiver(RX) mode
Red light flashes	Low battery
Solid red light	Charging
Green light flashes quickly	Pairing or reconnection status in Transmitter(TX) mode
Solid green light	Connected in Transmitter(TX) mode

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**RECEIVER MODE(RX):**

**PAIRING AND CONNECTION:**



- Use a 3.5mm audio cable to connect the product to the 3.5mm audio input port of the home amplifier/car audio/stereo headphone.
- Turn the Bluetooth receive/transmit switch on the side of the product to the "RX" position to put the product in receive mode.
- In the off state, press and hold the MFB button for 3 seconds to turn on the adapter, the blue indicator light will be on for 1 second and then automatically enter the pairing state, the blue indicator will flash quickly.
- Turn on the Bluetooth function of the mobile phone, search for the Bluetooth device name "DWR21", select it and connect.

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5. After the connection is successful, the LED indicator will be blue. Now you can enjoy music through the home amplifier/car audio/stereo headset; connect the mobile phone for hands-free calling; If there is no connection after 10 minutes, the product will automatically shut down.

**CONNECTION TO TWO MOBILE PHONES:**

- Connect the first mobile phone according to the steps above.
- Click the pairing button, the product will enter the pairing state and the blue indicator flashes quickly.
- Turn on the Bluetooth function of the second mobile phone, search for the Bluetooth device name "DWR21", select it and connect it.
- After the second mobile phone is successfully connected, the LED indicator will turn blue. The pairing time is 2 minutes, if the second device is not paired after 2 minutes, the product will automatically resume connecting to the first mobile phone.

**DISCONNECT THE CURRENT CONNECTION:**

**MANUAL DISCONNECTION:** If the product is currently connected to one or two mobile phones and needs to reconnect to other mobile phones,

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press and hold the pairing button for 3 seconds, the product will disconnect all current mobile phone connections and re-enter the pairing state, and the blue indicator flashes quickly.

**AUTOMATIC DISCONNECTION:** If the product is currently connected to only one mobile phone, turn off the Bluetooth of the mobile phone, the product will automatically enter the pairing state, and the blue indicator light will flash quickly.

**Bluetooth Reconnect**

If the product has been connected to a mobile phone, it will automatically enter the reconnecting state after powering on. When reconnecting, the blue indicator flashes quickly for 15 seconds.

If the product is not reconnected to the mobile phone after 15 seconds, it will enter the pairing state, and the blue indicator remains flashes quickly, Pairing time is 10 minutes, the product will automatically shut down if it is not paired with a mobile phone after 10 minutes.

If the product has only been paired with one mobile phone, the blue indicator light will be on after the connection is successful.

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If two devices have been paired, after the first device is successfully reconnected, it will continue to reconnect to the second device. The blue indicator light continues to flash rapidly for 15 seconds.

If the connection to the second mobile phone is successful, the state of the first mobile phone will be automatically restored, and the blue indicator will be on.

**BUTTON OPERATIONS IN RECEIVER MODE:**

Function	Operation
Power on/off	Press and hold the MFB button for 3s
Answer a call/Hang up the phone	Short press the MFB button
Reject incoming call	Press and hold the MFB button for 2s
Redial the last call	Double-click the power button to call back the last call of the first connected mobile phone; Double-click the pairing button to call back the last call of the second connected mobile phone

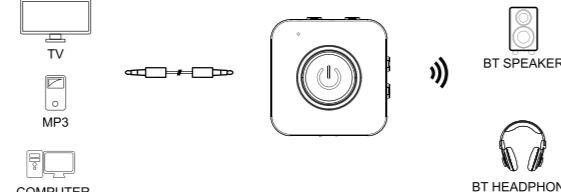
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Audio Switch	Press and hold the MFB button for 1 second to switch audio between the mobile phone and the Bluetooth device
Pause/Play the music	Short press the MFB button
Volume up/down	Long press the volume +/- button
Next/Previous track	Short press the volume +/- button
Voice assistant	In standby state, press and hold the MFB button for 1 second
Three-way Call	Incoming calls during a call: 1. Short press the MFB button to hang up the current call and answer the new call; 2. Press and hold the MFB button for 1s to answer the new call, and the first call is on hold; 3. Press and hold the MFB button for 1s to switch between the two call.
Clear Pairing State	Press and hold the pairing button for 8 seconds in the power-on state

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**TRANSMITTER MODE(TX):**

**PAIRING AND CONNECTION:**



- Use a 3.5mm audio cable to connect the product to the 3.5mm audio output port of the car audio/TV/computer and other equipment.
- Turn the Bluetooth receive/transmit switch on the side of the product to the "TX" position to put the product in transmit mode.
- In the off state, press and hold the MFB button for 3 seconds to turn on the adapter, the green indicator light stays on for 1 second and then automatically enters the pairing state, the green indicator flashes quickly.
- Turn on the bluetooth headphone or bluetooth speaker and turn to pairing state, it will automatically connect to the adapter, please make

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sure the distance between adapter and bluetooth headset is within 3ft. After the connection is successful, the green indicator light will be on. If the bluetooth headphone or bluetooth speaker is not paired after 10 minutes, the product will automatically shut down.

**NOTE:** When connecting to TV, if your TV has headphone (3.5mm) output AUX, please use the 3.5mm audio cable to connect the transmitter to TV. If your TV has RCA jack audio output AUX, please use the 3.5mm to RCA cable to connect the transmitter to TV.

**CONNECTION TO TWO BLUETOOTH HEADPHONES**

- Connect the first Bluetooth headphone or Bluetooth speaker according to the steps above.
- Click the pairing button, the product will enter the state of pairing and the green indicator flashes quickly.
- Turn on the second Bluetooth device and turn to pairing state, it will automatically connect to the adapter.
- After the second Bluetooth device is successfully connected, the green indicator light will be on. The pairing time is 2 minutes, if the

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second device is not paired after 2 minutes, the product will automatically resume connecting to the first Bluetooth headphone or Bluetooth speaker.

**DISCONNECT THE CURRENT CONNECTION:**

**MANUAL DISCONNECTION:** If the Bluetooth adapter is currently connected to one or two devices and needs to reconnect other device, press and hold the pairing button for 3 seconds, the adapter will disconnect all current receivers and re-enter the pairing state, the green indicator light flash quickly.

**AUTOMATIC DISCONNECTION:** If only one Bluetooth headphone is currently connected to the product, turn off the Bluetooth headphone and the product will automatically enter the pairing state, and the green indicator light flashes quickly.

**BLUETOOTH RECONNECT:**

If the product has been connected to the Bluetooth headphone or Bluetooth speaker, it will automatically enter the reconnect state after power on. When reconnecting, the green indicator flashes quickly for 15 seconds.

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If the Bluetooth device is not reconnected after 15 seconds, it will enter the pairing state, and the green indicator remains flashes quickly, pairing time is 10 minutes, the product will automatically shut down if the receiver is not paired after 10 minutes.

If the product has only been paired with one Bluetooth headphone, the green light will be on after the connection is successful.

If two Bluetooth headphones have been paired, after the first device is successfully reconnected, it will continue to reconnect to the second device, the green indicator light continues to flash rapidly, the reconnect time is 15 seconds, after the reconnect is successful, the green indicator light stays on.

If the second receiver is not successfully connected back after 15 seconds, it will automatically restore the state when the first receiver was connected, and the green indicator light will be on.

**BUTTON OPERATIONS IN TRANSMITTER MODE:**

Mute the Bluetooth headphone: short press the MFB button.  
Volume up: press the volume "+" button.  
Volume down: press the volume "-" button.  
Other buttons are unavailable in transmitter mode.

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**LOW BATTERY/CHARGING:**

**LOW BATTERY ALARM:**

When the battery voltage is lower than 20%, you will hear voice prompt: Low Battery, and the red indicator light flashes 3 times every 2 minutes, then the product will automatically shut down.

**PRODUCT CHARGING:**

When the product is battery low, the product can be charged by plugging in the 5V DC power supply through the Type-C cable. The indicator light will turn red when charging, and the red light goes out when fully charged. The charging current about 150mA, fully charged time is about 2 hours.

**LITHIUM BATTERY CHARGING HIGH AND LOW TEMPERATURE PROTECTION:**

The product has a built-in NTC temperature detection resistor to detect the temperature of the lithium battery charging to prevent the battery from being damaged due to high or low temperature during charging.

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In the high temperature state, when the temperature exceeds 45 degrees, the charging will be stopped, and the charging will be resumed when the temperature drops to about 35 degrees;

In the low temperature state, when the temperature is lower than 0 degrees, the charging will be stopped, and the charging will be resumed when the temperature rises to about 10 degrees.

**PRECAUTIONS:**

- The working voltage of the product is in the range of 3.0-4.2V. When the power is low or not used for a long time, the product should be charged in time to prevent the product from working abnormally or battery damage.
- The Bluetooth signal of Bluetooth will be blocked and absorbed by surrounding objects. Try to place it in a barrier-free position with the Bluetooth-connected device during use, so that you can enjoy better sound.
- The product has a built-in lithium battery, please pay attention to charging the product in time when using it.
- Please keep the product away from water or other liquids to avoid damage to the product.

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5. If you have any problems, please feel free to contact us at info@ilaicomein.com and we will help you.

**FAST Q&A:**

**How to delete paired records?**  
Press and hold the pairing button for 8 seconds, the product will clear the paired Bluetooth devices in the corresponding mode.

**How to do if I have connect issue or dead?**  
Please charge the product the product, then reboot the product: Press and hold the MFB for 30 seconds to reboot the product.

**Power off automatically?**  
When the battery is lower than 10%, it will power off; If there is no connection after 10 minutes, it will power off.

**Warranty information?**  
We offer 12-month warranty for this product, if you have any problems, please email us at info@ilaicomein.com and we will help you.

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**FCC Requirement**

Any 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.

**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 turning the equipment off and on, the user is encouraged to try to correct the 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.

尺寸: 95\*95mm  
材质: 105g双铜  
装裱方式: 骑马订  
彩色印刷