

OPAKIT MiC

User Manual

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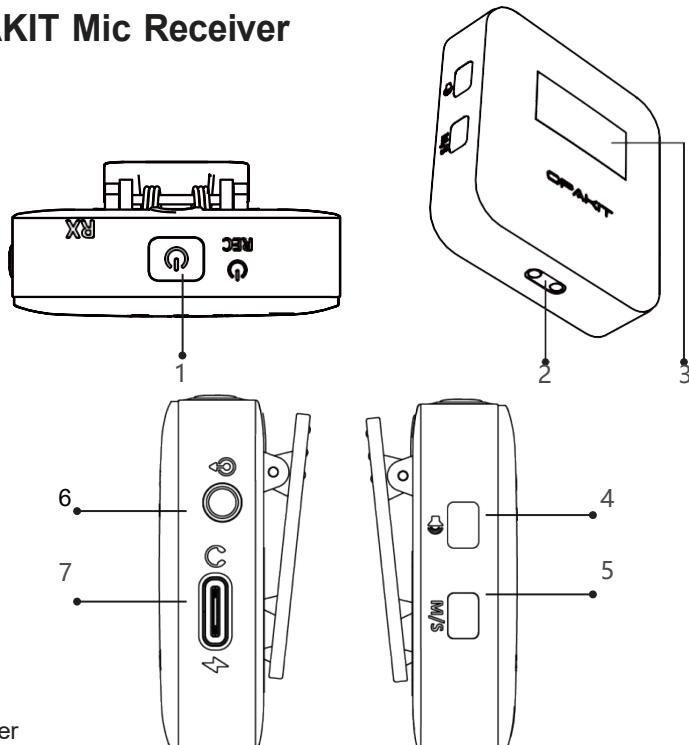
Introduction

OPAKIT MIC is a dual-channel radio system, which includes two wireless transmitters and a dual-channel receiver. It supports simultaneous recording of two sources of sound and up to 200 meters (about 110 meters measured) of wireless transmission. Transmitter built-in high-quality all-directional microphone, while supporting external, microphone, equipped with back clip for easy use. TX1 transmitter built-in 16GB storage, up to 60 hours of audio recording. Receiver, equipped with TFT display screen, real-time display noise reduction, wireless signal and other information. The receiver can be connected to the camera or mobile phone through the body extension interface to provide high-quality audio recording for video shooting. The receiver can also be connected to the computer for microphone function. There is also an independent listening interface. The standard charging box can charge both the transmitter and the receiver, and can make the two automatic matching (enter and shut down the machine, matching needs to be manual, after the completion of matching will open the next automatic connection) .



OPAKIT Mic different sets contain different items, please purchase the set is based on the actual. If no special instructions, the description of this article are general function.

OPAKIT Mic Receiver



1. Power

Long press for 2 seconds to switch machine. Or click to turn on/off the local recording feature of the RX transmitter.

2. Charging contacts.

It can be charged after connecting with the charging contact of the charging compartment, and it can be automatically paired with the receiver placed in the same charge compartment (with charging function only).

3. Functional display screen

Real-time display noise reduction, wireless signal and other information.

4. Volume

Click to adjust the volume (third cycle). Press with the mode button at the same time for 2 seconds to enter the alignment state.

5. Mode

Click to switch to Mono/stereo mode. Press for 2 seconds at the same time as the volume button to enter the alignment state.

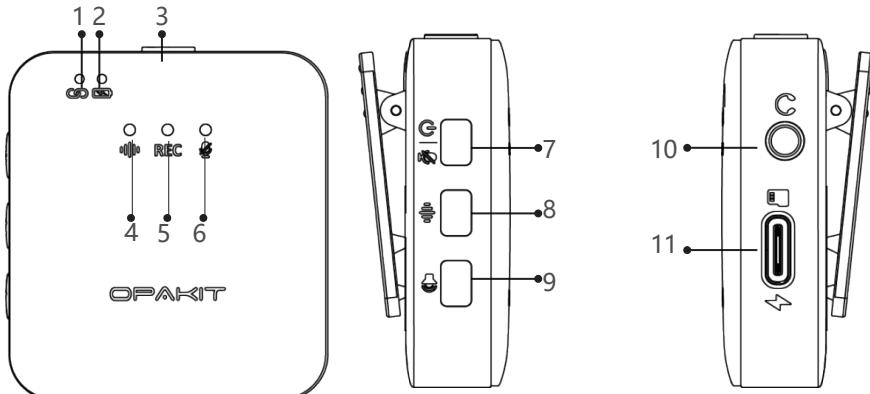
6. 3.5mm TRS Input

External microphone recording output (3.5 mm audio output interface for external headphone monitoring/camera recording using TRS TO TRS line connection).

7. Data Port (USB-C)

For charging and OTG/monitor function.

OPAKIT Mic Transmitter



1. Power Indicator (Blue)

Power on (Flashing slow), Code status (Flashing fast), Connect successfully (Keep the lights on). Turn the local recording is on green.

Flashing	Description
Flashing slow	Didn't connect receiver
Flashing fast	Pairing
Red	Power low
During charging	
Red	Low Power Red Light Flash (1Hz-1Hz), red light on charging, full light off
Light off	Full charged

2. Power Indicator Light (Red)

Low Power, Red Light Flashing frequency (1Hz); During charg, Red light keeps on; Full charged: Red light is off.

3. Built-in Microphone

Use for radio.

4. Noise reducing light

When the noise reduction function is turned on, the indicator light will light up.

5. Local recording light

The light is on when turn on local recording function.

6. Mute light

The light is on blue when turn on mute funciton.

7. Power Button

Long Press 2 seconds to switch the machine on and off; Press to mute microphone when power on.

8. Noise Reduction

Click to turn on/off noise reduction. Press with the audio key for 2 seconds at the same time to enter the pairing state.

9. Audio keys

Click to adjust volume (High, middle and low three gears); Long press to turn on/off the local recording.

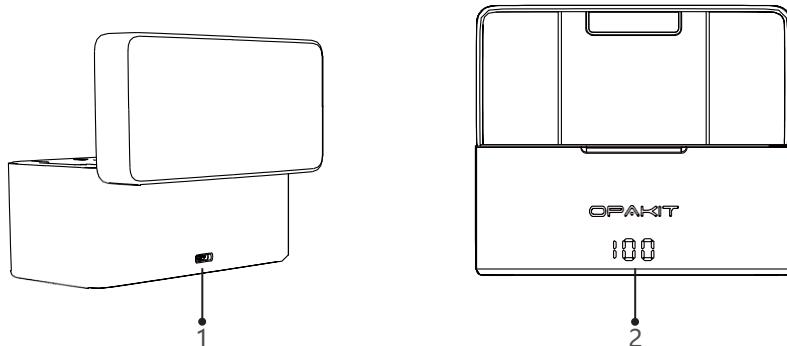
10. 3.5 mm TRS output

Connect headphones to listen for Mic Sound and listen back to another TX sound, and listen to the voice of the host when using the mobile phone live link.

11. Data interface (USB-C)

Charging and TF card recording file output.

OPAKIT Mic Charging Compartment

**1. Charging interface (USB-C)**

Using USB-C interface to charge the charging compartment itself.

2. Power indicator

It shows the current charge compartment power information, see the following table for details.

The power indicator lamp can be used to display the charge and discharge process of the power, the indicator lamp is defined as follows.

100 Full charged
○ Power depletion state

LED Flashing During charging

Operations

Pairing

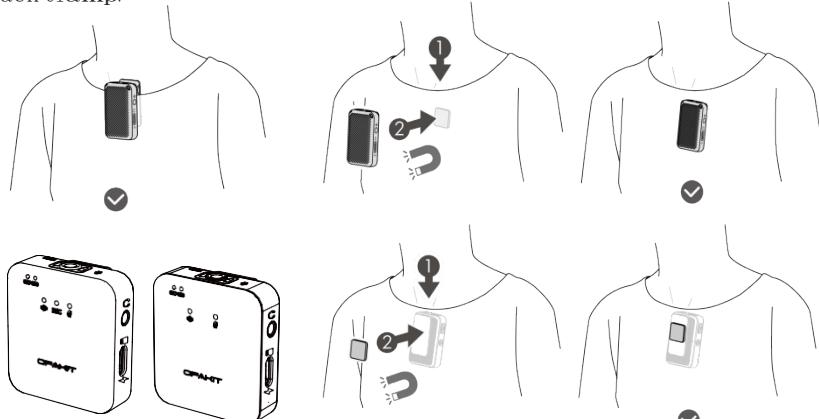
The transmitter and receiver have been paired before leaving factory default. If the transmitter and receiver disconnect, re-pair them as below:

1. After turning on the TX transmitter, press "Noise reduction key" and "Audio key" for 2 seconds at the same time. When power indicator starts to flashing it means entered pairing mode.
2. Press "Mode key" and "Audio Key" simultaneously on RX receiver, when the signal symbol flashes on the display it enters to pairing mode too.
3. About 5 seconds later, the TX transmitter light turns on and the RX receiver signal symbol is on without flashing. It indicates paired successfully.

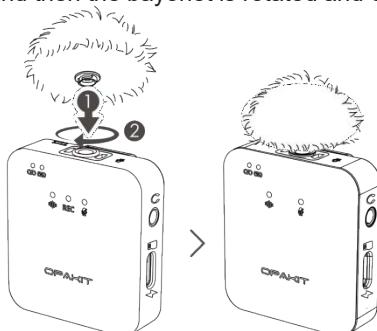
Using Scene

Transmitter

The transmitter can be directly clamped on the collar, or can be attached to the clothes or the surface of a stationary object by a standard magnet with a back clamp.



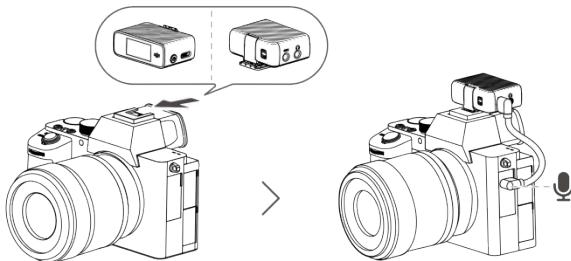
In outdoor or windy environment, the wind-proof wool is recommended. The air-proof wool sleeve bayonet is positioned at the microphone bayonet of the transmitter and embedded, and then the bayonet is rotated and clamped tightly.



Receiver

1. Using with the camera

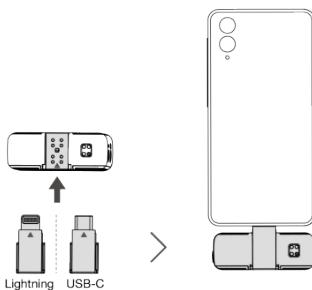
Using the back clip can be directly stuck in the camera cold boot/hot boot mouth, and use the camera cable of OPAKIT Mic to connect to the camera microphone interface, then transmitter can transmit audio to the camera.



After connecting the camera, please note that the camera volume gain is turned down to avoid overexposure.

2. Using with the Phone

The RX receiver can be connected to the phone through the standard phone connector, when using the phone to shoot video, the audio can be transmitted to the phone. After disconnecting the cell phone and the receiver, the cell phone can output the sound.



- After the RX receiver is inserted into the cell phone connector, the 3.5 mm TRS output interface stops the external output.
- When the RX receiver is plugged into the phone connector, only mono mode can be used, not stereo mode.
- When the RX receiver is connected to the phone, the phone's speaker plays no sound, and the phone is connected to a Bluetooth headset or Bluetooth speaker to play sound.
- The RX receiver automatically shuts down if it is not connected to the TX transmitter for more than one minute.

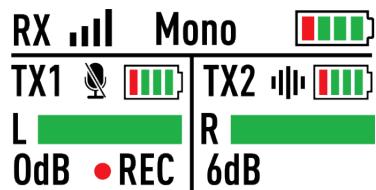
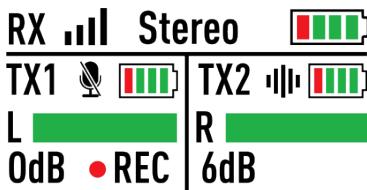
3. Using with computer

Connect the RX Receiver to the USB port of the computer through the USB-C special cable. The RX receiver and the TX transmitter can be used as a microphone.



Through the standard charging line connection, enter the computer audio input settings page for related settings.

TFT Screen definition



RX Connection indicator symbol

After turn on, it displays white, indicating that TX1/TX2 connection success;

During pairing, it flashes quickly;

Pairing operation, press "+" "-" keys at the same time for 2 seconds on TX1, and press "+" "-" keys for 2 seconds at the same time on RX.

Quickly Flashing blue, enter the pairing mode.

•REC The recording function symbol

When TX1's recording function is turned on, the display lights white, and the red dots licker. Lights off when closed;

Stereo Stereo symbol

This symbol lights up in stereo mode. TX1 and TX2 correspond to the audio output of two L/R channels.

Power indicator symbol

A total of three state display, indicating the TX1, TX2 and RX Battery Power Status.

TX1 Connection indicator

When connection successfully, it lights white. It lights off when TX1 shutdown.

TX2 Connection indicator symbol

When connection successfully, it lights white. It lights off when TX2 shutdown.

 Dynamic volume symbol

It changes with the microphone's volume. The louder sound, the longer green displays; the lower sound, the shorter green displays.

0dB A volume indicator

Indicating the current microphone volume level (0dB, 6DB, 9DB)

 Audio noise reduction symbol

When the TX1/TX2 microphone noise reduction function is on, icons lit up to appear white.

 Mute symbol

When the recording function of TX1/TX2 microphone is off, the icon light up.

Mono In mono mode

This symbol lights white in mono mode, and the two transmitted dynamic volume bars are combined. In the case of only connecting TX1 or TX2, both L/R bars are displayed.

 Stereo

TX1/TX2 receiver left and right channel output corresponding to the transmitter TX1 and TX2 two sound source, corresponding relationship can be exchanged.

TX1 Transmitter independent recording

TX1 transmitter built-in 16GB storage, the longest can record more than 60 hours audio. Open the transmitter TX1, and short press the recording button of TX1 transmitter to start independent recording. Short-press again to stop recording.

The transmitter audio source is stored in 24 bit lossless mono MP3 format. During long time of recording, it will atomatically split the file for about 10 minutes. The total recording time is approximately 60 hours, which is automatically looped over when the storage is full.

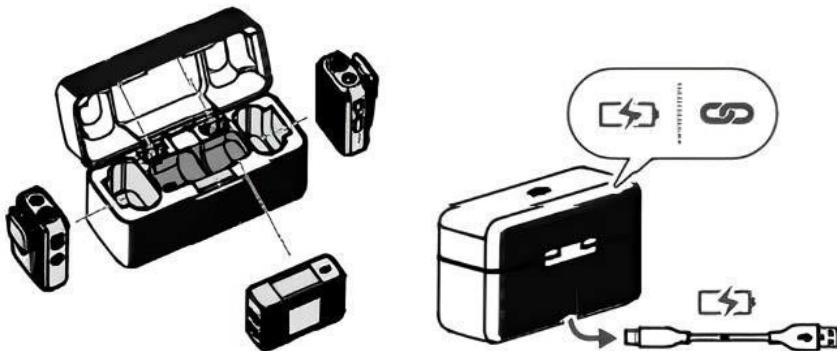
Audio file processing

The audio files can be connected to a computer to export or delete, and also can be formatted by a computer.

Charging Compartment

It is recommended to use 5V/2A charger to charge the charging compartment. A 1600mAh battery is built into the charging compartment. Place the OPAKIT MIC transmitter and receiver into the charging compartment to start charging at the same time until they are full. When used with the charging compartment, the total duration of the transmitter and receiver is up to about 20 hours.

Two transmitters and a receiver can be placed in the charging compartment at the same time.



Specifications

Name	OPAKIT Mic Transmitter
Size	40 x 45 x 13 mm
Weight	30g
Audio sampling rate	48KHz/24Bit
Signal-to-noise ratio	> 60 dB
Noise reduction intensity	20dB
THD	< 0.1%
RF Distance	Visual Range 100 meters
Battery Type	Polymer
Length of recording	16 gigabytes of memory for more than 60 hours
Recording format	Mp3
Battery capacity	300 mAh
Operating voltage/current	About TX 3.7V / 24m

Name	OPAKIT Mic Receiver
Size	40 x 45 x 13 mm
Weight	24.9g
Audio sampling rate	48KHz/24Bit
Noise reduction intensity	< 20 dBm
Frequency Response	50-15KHz
Battery Type	Polymer
Battery Capacity	300 mAh
Operating voltage/current	3.7 V; 65 mA Bright Screen; 1 minute later the screen becomes dark, the current is 36 mA

Name	OPAKIT Mic Charge Compartment
Model	
Size	100 x 50 x 56mm
Weight	162.2g
Battery Type	Polymer
Battery Capacity	1600 mAh
Battery Energy	8Wh
Battery Voltage	3.7V
Charging Temperature	5°C ~ 45°C
Working Temperature	5°C ~ 45°C
Charge Time	2 Hours
Work Time	More than 20 hours (including charging bin)

Warranty

Warranty service terms

1. Product failure, in the case of non-human damage, OPAKIT will provide life-long warranty.
2. OPAKIT will provide free advice and a cost warranty in case of human-caused damage to the product.

Customer notes

1. Customers need to fill in the necessary after-sales warranty information (customer information will be strictly confidential, to comply with the relevant confidentiality provisions).

After-sales warranty information:

Product model

Purchase date

Name

Address

Order number

Contact

2. We strive to create worry-free after-sales, if you have any questions or suggestions about the product or documentation, please contact the official email address: TOP1_SERVICE@OUTLOOK.COM, we will 24 hours dedicated to your service.

Waning

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction