

I. Packing List

Single Mic Kit:

Transmitter X 1, Receiver x 1, Lavalier Microphone X 1, Charging Cable X 1, Manual X 1, Audio Cable X 1, Audio Cable Convertor for Smartphone X 1, Storage Box X 1.

Double Mic Kit:

Transmitter X 2, Receiver x 1, Lavalier Microphone X 2, Charging Cable X 2, Manual X 1, Audio Cable X 1, Audio Cable Convertor for Smartphone X 1, Storage Box X 1

Fig i.

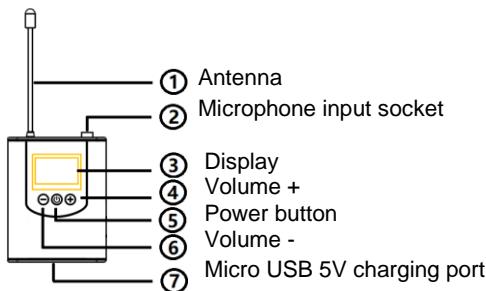
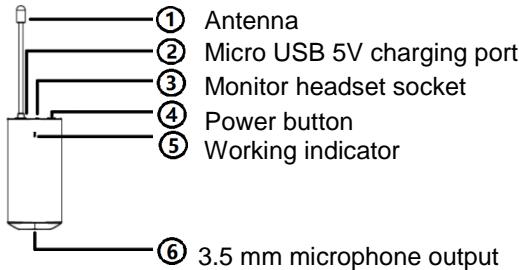


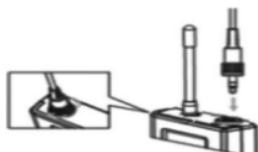
Fig ii.



II. Setting Up The Transmitter

1. Insert the plug of the lavalier microphone into the MIC socket of the transmitter (Fig i) in place and lock it firmly, as shown in Fig iii.

Fig iii.



2. If you have the double mic kit, then repeat this step for both transmitters.

N.B. The transmitter and the receiver are default paired at the factory, ready for use when powered on.

III. Setting Up The Receiver

1. Setting up

- (1) Plug the audio cable into the output jack of the receiver (Fig ii.).
- (2) Long press  button to turn on/off (Fig ii.)
- (3) The working channel of the receiver is automatically paired with the transmitter, no manual adjustment needed.

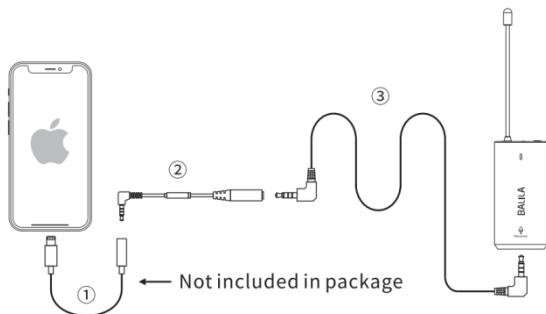
2. Connection with different devices

N.B. Please follow the ①②③ connection orders

A. For iPhone without a 3.5mm jack

iPhone → official lighting to 3.5mm converter (Not Included) → Audio Cable Convertor for Smartphone
→ Audio Cable → Receiver

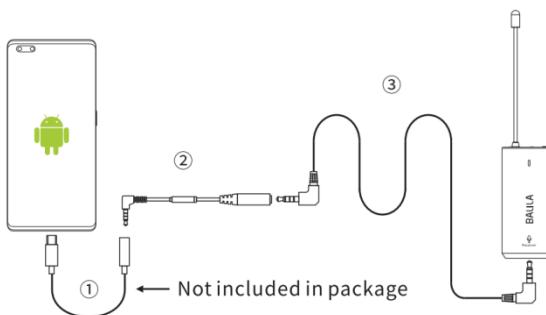
Fig iv.



B. For Android phone without a 3.5mm jack

Android Phone → Type-C Cable to 3.5mm jack (Not Included) → Audio Cable Convertor for Smartphone → Audio Cable → Receiver

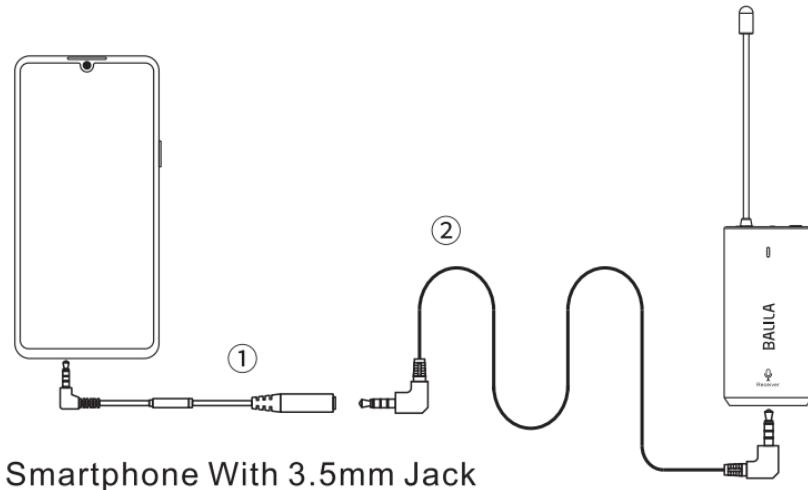
Fig v.



C. Smartphone with a 3.5mm jack

Smartphone → Audio Cable Convertor for Smartphone → Audio Cable → Receiver

Fig vi.



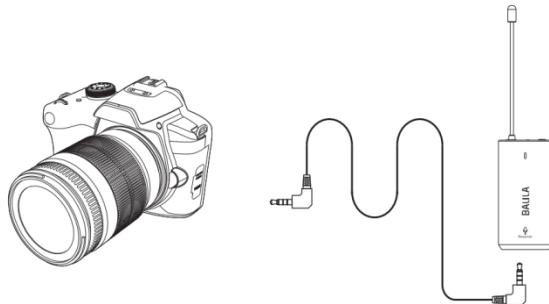
N.B. If you are using a Samsung phone with both a 3.5mm jack and Type-C jack, please connect the receiver through the 3.5mm following the ①②connection orders.

D. Other recording devices with 3.5mm MIC jack

(eg: Camera, Camcorder, Mixer, laptop, amplifier and etc.)

Camera → Audio Cable → Receiver

Fig vii.



IV. Function Instructions

1. Audio Monitoring & Volume Adjustment



- (1) Monitor the recording by plugging earphones into the "headphones" jack (Fig ii.)
- (2) Adjust the volume by pressing the "-" / "+" keys on the transmitter (Fig i.), max 15-level volume adjustable.

2. Channel Switch

Turn on the transmitter (Fig i.), short press the power button to switch channels (20 channels optional)

N.B. If you use multiple microphone kits at the same time, you need to short press the power button of the transmitter to switch to different channels.

3. Indicator Instructions

(1) Transmitter

- A. The display is on when the power button is long pressed. The battery symbol displays current battery level and when charging, the battery symbol displays charging status, indicating that it is being charged.
- B. If charged after powering it off, the display screen displays charging status only. After it is fully charged, the battery symbol is full and solid.

(2) Receiver

- A. Short press the power button (Fig i.), and the light yellow indicator is on. If the light yellow indicator is off it means that it is not successfully turned on. Please long press the power button for 3 seconds and light yellow is normally on, meaning that it is successfully turned on.
- B. For a Single Mic Kit, with transmitter on, only the green light of the receiver is on meaning a successful pairing.
For a Double Mic Kit, with two transmitters on, both the green and blue lights should be showing on the receiver. If only the green light is on, it means that only transmitter A is successfully connected. If only the blue light is on it means that only transmitter B is successfully connected. Please check the distance or conduct a new pairing (Following section V part A in the manual).
- C. When being charged, the red light is normally on and after fully charged it is off.

V. Troubleshooting

If you have any problems with the recording please check solutions below.

A. No Green/Blue Indicator On Receiver.

When powering on, if there is no blue/green indicator of the receiver (Fig ii.) it means that the transmitter and the receiver aren't successfully paired. Please try pairing again following the steps below:
(N.B. Please power off the receiver before pairing) (Fig viii.)

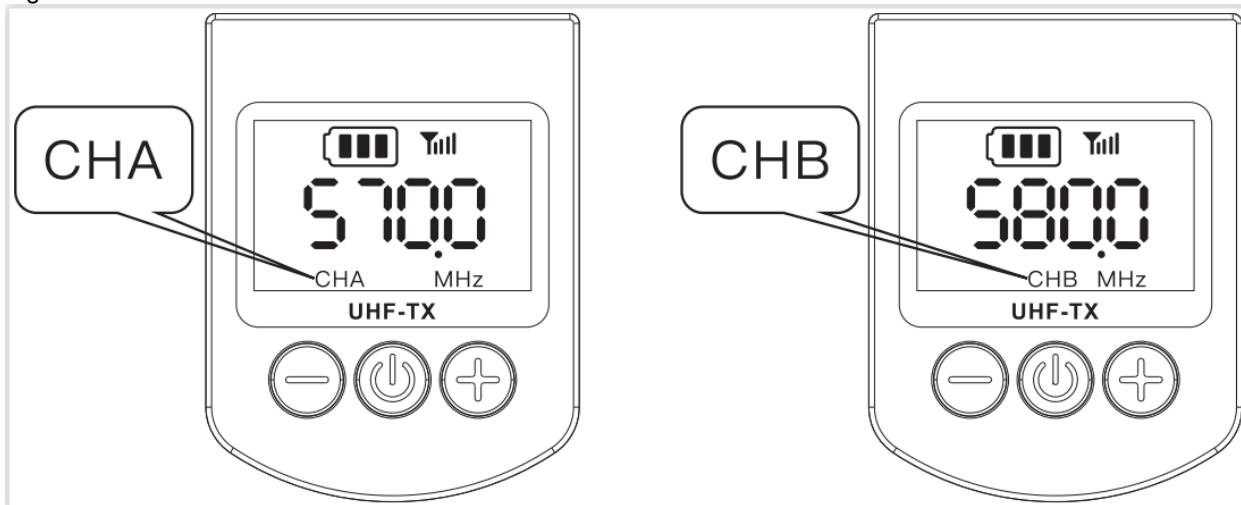
- (1) Turn on transmitter "P" (Fig i.).
- (2) Press "-" and "P" of the transmitter (Fig i.) simultaneously for 3s and the display will flash to show it is ready to pair.
- (3) Turn on the receiver, the indicator will flash 4 times.

(4) Press  of the transmitter (fig ii.). The indicator of the receiver light will remain solid green and the pairing finished.

If you have the double mic kit, then repeat this for both transmitters. (Fig viii.)

- (1) Simultaneously turn on 2 transmitters  (Fig i).
- (2) Press “-” and  of 2 transmitters (Fig i.) simultaneously for 3s and the display will flash to show it is ready to pair.
- (3) Turn on the receiver, the indicator will flash 4 times.
- (4) Press  of the transmitter (fig ii.).
- (5) One transmitter will make the receiver light turn green and the other will make it turn blue. Once both are paired and turned on they will make the receiver light half green and half blue to indicate they are both connected and ready to record.

Fig viii.



N. B. (1) For Single Mic Kit users, if the display of the transmitter (Fig i.) shows CHB, please change the channel to CHA before pairing.

Process to change the channel of the transmitter: Turn on the transmitter, press “-” and “+” of the transmitter (Fig i.) simultaneously for about 10s, the channel will be changed;

(2) For Double Mic Kit users, if both transmitters display CHA or CHB, please change the channel of one of the transmitters before pairing, same process as above (1)

N.B. Default paired at factory and ready for use when power on.

B. No Sound When Monitoring.

If the blue/green indicator are on it means the transmitter and the receiver are successfully paired. Insert a headphone into the monitor of the receiver (Fig ii.) to see if there is sound.

Fig ix.



Note:

- (1) If your headset has a 4-pole connector and you cannot insert all the plug, there should be room for all 4 poles (Fig iv.). You may need to use an adaptor.
- (2) If your headset has a 3-pole connector, you need to insert whole plug.

If the green indicator of the receiver lights up but there is no sound from the earphone, please check if the lavalier microphone of the transmitter is connected correctly, or if the lavalier microphone is damaged.

Please check if the volume of the receiver is turned down too low. Adjust the “+” button to turn up the volume.

C. Sound When Monitoring.

If both connection and pairing are correct and the lavalier microphone is not damaged, please check the following.

- (1) If there is sound from the headphone when monitoring, the microphone is fine, it might be a problem with the connection between the receiver and recording device. Please check the 3.5mm output cable is properly connected to the camera or other filming devices.
- (2) Please check when using a lightning adaptor on an iPhone that it is an original one purchased from the Apple store, and if you have disabled the external microphone in the general settings.
- (3) For Android phones, microphones could be restricted by original recording apps, downloading 3rd party recording apps could solve this problem.
- (4) For Android phones without a 3.5 mm jack, you will need a Type-C to 3.5 mm jack adaptor that supports recording.
- (5) For Samsung phones, may require a USB-C to 3.5 mm converter. Please make sure the connection is in the correct order. Firstly connect the TRRS cable to the device and then connect the other end to the receiver.

D. Distortion During Recording.

Wind noise - The microphone will need to be shielded from wind when outside. Consider using a deadcat mic cover.

Static noise

- (1) Ensure the mic is not touching or rubbing on clothes or skin during recording.
- (2) Check the volume level as high volume could distort the recording.
- (3) Secure the wire so it doesn't rub on clothes or skin during the recording.

VI. Other Notes

1. Do not use the product beyond the recommended usage distance, otherwise it will cause recording failure or discontinuous signal (sound).
2. Do not place the Lavalier microphone too close to the sound source. Normally keep it at 15-20cm, otherwise it will cause sound distortion.
3. Do not record when there are too many obstacles or blocked by people, it can easily interfere or block the signals, causing signal (sound) disruptions when recording.
4. The volume output of the microphone should not be set too high. The volume level of the filming devices should not be set too high either. Try to set and match multiple times until you find the best volume.

VII. Technical Parameters

Carrier Frequency Range	570 – 579.5MHz; 580-589.5MHz
Number of Channels	Transmitter A-20, Transmitter B-20
Distance	80m (outdoor open area)
Working Temperature	-20 °C ~ 55 °C
Storage Temperature	-20 °C ~ +55 °C

Transmitter

RF Output Power	≤10mW
Antenna	1/4 λ linear antenna
Spurious Emission	< 250nW
Audio Input Interface	3.5mm interface
Input Frequency Range	20Hz-20KHz
Power Supply	Built-in 650mA lithium battery
Battery Life	3-4 hours
Weight	120g

Receiver

Antenna	1/4 λ linear antenna
Audio Output Interface	3.5mm output socket
Frequency Response	50Hz-16KHz
SNR	≥ 82dB
Audio Output Level	> -60dBV
Power Supply	Built-in 650mA lithium battery
Battery Life	6-8 hours (Single Mic Kit); 3-4 hours (Double Mic Kit)
Weight	120g

Lavalier Microphone

Sensor	Back pole electret condenser
Pickup mode	Omnidirectional (lavalier)
Frequency range	30Hz-18kHz (lavalier)
S/N	74dB SPL (lavalier)
Sensitivity	-30dB ±3dB @1KHz (lavalier)
Plug	3.5mm (lock-in mini plug)
Length	1.2m

FCC Warning

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 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE 3: This radio transmitter has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated:

Antenna Type	Gain
External Antenna	2dBi

NOTE4: Prior to operation, when using the device in the 600 MHz guard bands and 600 MHz duplex gap, check and register in the appropriate white-space database to determine available channels.