

# BOYA

## Multi-Compatible 2.4 GHz Dual-Channel Wireless Microphone System

BOYALINK

Instruction Manual

## Statement

Please read this manual carefully before using and strictly operate and store it in accordance with the instructions. Please save the manual for your future reference. If you need further assistance than the user manual, please consult your retailer for help or email us:

**support@boya-mic.com**

## General Introduction

The BOYALINK is an ultra-compact and portable 2.4 GHz wireless

microphone system, compatible with cameras, smartphones, tablets, computers and more. It features selectable noise cancellation, delivering broadcast-quality sound with remarkable ease of use. The BOYALINK is ideal for content creation, live streaming, vlogging, mobile journalism and much more.

There are 3 different adapters included in the kit: 3.5mm TRS, USB-C, and iOS Lightning. The receiver has a USB-C charging port that supports charging and powering the device while using it with a USB-C/ iOS Lightning adapter.

The included charging case allows you to charge the transmitter and receiver anywhere, making the BOYALINK kit easy to carry on.

## Cautions

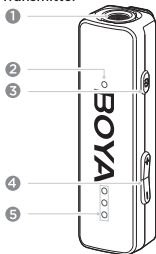
1. Non-professional teardown is strictly prohibited.
2. Please keep it away from heat sources such as radiators or spotlights.
3. Do not remove the battery without professionals' help.
4. Please clean the device with only a soft, dry cloth.
5. When using and storing, please keep away from the dust and moisture.
6. For the best pick-up pattern, do not hold your hand against the microphone capsule cover.

## Features

- Also available in 48 kHz HD audio when noise cancellation enabled.
- Wide-range 20-20,000Hz frequency response - deliver exceptional high-quality sound.
- In-built rechargeable lithium-ion battery provides 10+ hours of recording.
- Mono / Stereo output switchable.
- 3.5mm TRS analog output, USB-C and iOS Lightning digital output - universal compatibility with cameras, smartphones and computers.
- Rotating clasp-type fur windshield, not easy to fall off.
- The receiver's clasp allows the adapter to be easily removed.
- Sound can be played directly through your phone's speaker without unplugging the receiver.

## Product Structure

### Transmitter



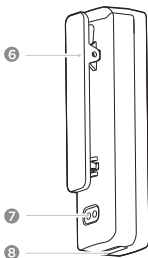
① **In-built Microphone Capsule**

② **Status Indicator**

Status	Indicator
Unpaired	Blinking blue slowly
Pairing	Blinking blue quickly
Paired successfully	Static blue
Mute	Blinking red slowly
Noise cancellation enabled	Static green
Low battery	Blinking red quickly
Charging	Static red
Fully charged	Red light off

③ **Power Button**

- Press and hold to power on or off.
- Press to mute or unmute the microphone.
- Press and hold for 5 seconds to enter pairing status in shutdown mode.
- Press twice to take a photo or to start or stop recording a video as the receiver is connected to a smartphone



and paired with the transmitter.

④ **+ / - Button**

- Press the "+" or "-" button to adjust mic gain in 6 levels.
- Press both the "+" and "-" buttons at the same time to enable/disable noise cancellation (The noise cancellation feature offers two levels: strong and weak. In the BOYA Central app, you can adjust the level based on different environments).
- The setting is retained even after the power is turned off.

⑤ **Gain Indicator**

Each light indicates a two-level input gain.  
Maximum Gain: all lights blink 3 times at the same time.  
Minimum Gain: only the last light blink 3 times.

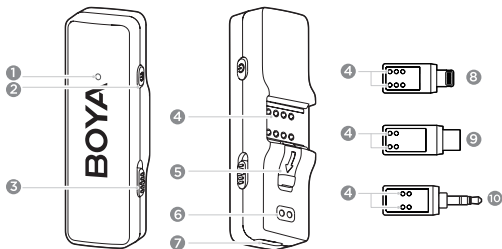
⑥ **Belt Clip**

⑦ **Charging Contacts**

⑧ **USB-C Charging Port**

For charging the transmitter. (It's okay to use the transmitter while charging.)

## Receiver



### ① Status Indicator

Status	Indicator
Unpaired	Blinking blue slowly
Pairing	Blinking blue quickly
Paired successfully	Static blue
Low battery	Blinking red quickly
Charging	Static red
Fully charged	Red light off

### ② Power Button

- Press and hold to power on or off.
  - Press twice to enable or disable the phone's speaker.
  - Press and hold for 5 seconds to enter pairing status in shutdown mode.
- HINT:

- (1) When your phone's speaker is enabled or disabled, the receiver will restart.
- (2) Once the speaker is enabled, sound can be played directly without unplugging the receiver.

### ③ Mono/ Stereo Toggle

The output mode can be set to either mono or stereo. When in mono mode, the audio from the capsule, or capsules will be mixed to both the left and right sides. When in stereo mode, the two capsules' audio output will be separated to the left and right sides.

### ④ Contacts

### ⑤ Clasp

### ⑥ Charging Contacts

### ⑦ USB-C Charging Port

For charging the receiver. An external device can be powered and charged through this port while the receiver with a USB-C or iOS Lightning adapter is plugged into it.

### ⑧ MFi Certified Lightning Adapter

It can be connected to an iOS Lightning device.

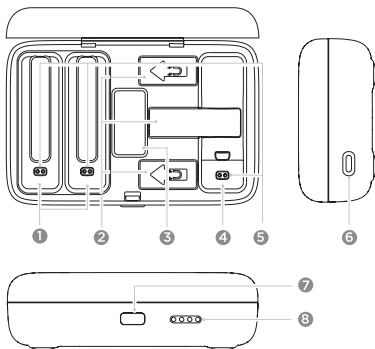
### ⑨ USB-C Adapter

It can be connected to Android Smartphones, Tablets, Computers and other USB-C devices.

### ⑩ 3.5mm TRS Adapter

It can be connected to cameras, recorders, mixers or other devices with a 3.5mm TRS jack.

# Charging Case



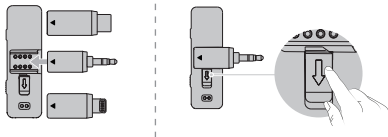
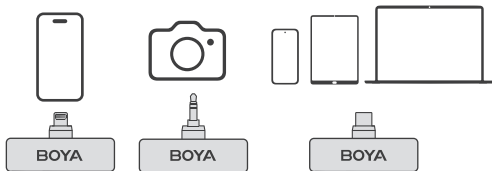
- ① Slot for Transmitter(s)
- ② Slot for Adapters
- ③ Slot for Fur Windshield
- ④ Slot for Receiver
- ⑤ Charging Contacts
- ⑥ USB-C Charging Port
- ⑦ OPEN Button
- ⑧ Charging Indicator

Status	Battery Level	Indicator
Low battery	<10%	● ○ ○ ○
Charging	<25%	● ○ ○ ○
	25%-50%	● ● ○ ○
	50%-75%	● ● ● ○
	75%-100%	● ● ● ●
Fully charged	100%	● ● ● ●

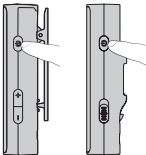
## Operation Guide



1. Attach the fur windshield to the transmitter(s) when using it outdoors or in a windy environment.



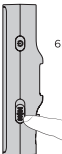
2. Push the selected adapter into the receiver. Connect the receiver to your audio devices, such as a camera, smartphone, tablet, computer, etc.



3. Press and hold the power buttons to turn the transmitter(s) and receiver on.
4. The transmitter(s) and receiver are paired by default. If they are disconnected, please press and hold their power buttons for 5 seconds in shutdown mode until their status indicators blink blue rapidly, making them enter the pairing state.

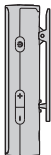



5. The transmitter(s) and receiver will be successfully paired within 10 seconds. The indicators of both are static blue.

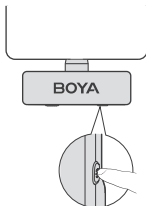


6. Toggle **M**  **S** to select either mono or stereo output mode.

7. It is recommended to record a sample and play it back to check if the audio level is acceptable before recording.



8. In order to improve the recording effect in a noisy environment, it is recommended that press the "+" and "-" buttons  on the transmitter(s) at the same time to enable noise cancellation.  
HINT: When two transmitters are paired with a receiver, the noise cancellation feature of both are synced up.



9. Press the power button twice to enable your phone's speaker to play the sound directly without unplugging the receiver.
10. After recording, put the transmitter(s) and receiver back into the case for charging.

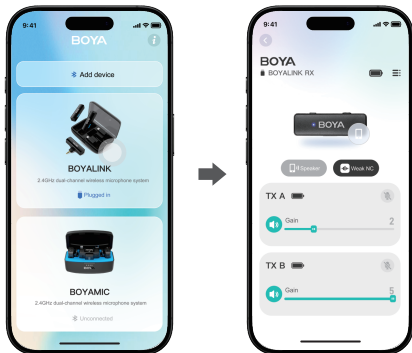
## BOYA Central app

When the receiver is connected to a smartphone or computer, the user can record audio or video with the help of the BOYA Central app.

1. Please scan the QR code below with your phone to install the BOYA Central app.

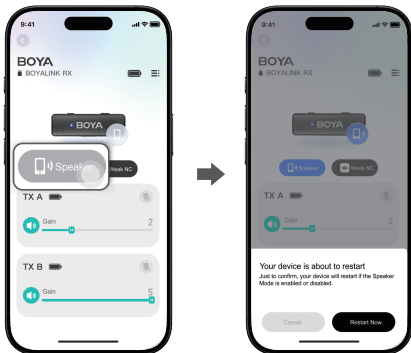


2. Mount the correct adapter on the receiver according to your device's port, and then connect the receiver to your smartphone. Launch the BOYA Central app. Tap "BOYALINK" to enter the receiver (RX), transmitter (TXA), and transmitter (TXB) control page.





- Tap "Speaker" to enable or disable the phone's speaker. (When your phone's speaker is enabled or disabled, the receiver will restart)



- Tap "Weak NC / Strong NC" to switch the noise cancellation level.



## Troubleshooting

If you encounter problems when using the unit, please refer to the following checklist before contacting technical support. If the problem cannot be solved, please contact the dealer's after-sales service department.

- **Sound from the unit is silent when connected to an external device**

- ① Make sure the adapter on the receiver is well connected to your device. Or remove the adapter and wipe the charging contacts with a clean cloth.
- ② Make sure the mic gain is not turned to minimum.
- ③ Make sure the unit is not muted.

- **Sound of the unit is too low or too loud or even distorted**

Adjust mic gain to the suitable level for recording in the current environment to improve the recording effect.

- **Current noise or other abnormal noise appears during monitoring**

Make sure there is no interference near the unit. If the noise still exists after changing the unit's position, please contact our customer service.

- **The operating range of the unit is limited and the sound is frequently intermittent**

Make sure there is no interference between the transmitter and receiver. If the intermittent sound still occurs frequently, please contact our customer service.

- **Howling noise occurs when using the receiver with an adapter**

Make sure your the Speaker Mode is disabled.

- **Failed to charge the transmitter(s) or receiver via the charging case**

- ① Make sure the charging contacts of both are in full contact. Wipe the charging contacts with a clean cloth and try again.
- ② If you want to check whether the magnetic force is aging or whether the charging contacts of the two are not in sufficient contact, press the transmitter/receiver placed in the charging case to check whether it is in a charging state. If they are still failed to be charged, please contact our customer service.

## Specifications

### Transmitter & Receiver

Transmission Type	2.4GHz digital frequency
Modulation	Digital modulation
Polar Pattern	Omnidirectional
Antenna	Ceramic antenna
Operating Range (Without Obstacle)	Up to 300 m (This value is tested in the open areas without any interferences according to FCC standard.)
RF Output Power	< 10 mW
Distortion	< 0.01%
Frequency Response	20 Hz - 20 kHz
Sampling Rate	48 kHz
Bit Rate	24 bit
Signal-to-Noise Ratio	>85 dB
Sensitivity	-42 dB
Audio Input	TX: In-built microphone capsule
Audio Output	RX: 3.5 mm TRS analog output, USB-C and iOS Lightning digital output
Battery Voltage/ Capacity	TX: 3.7V / 95mAh RX: 3.7V / 120mAh
Power Requirements	In-built lithium-ion battery / Charging contacts / USB-C charging port
In-built Battery Life	TX: Approx. 10 hours RX: Approx. 6 hours
Weight	TX: 13 g; RX: 15 g (with an adapter)
Dimensions	TX: 59 × 16.2 × 13 mm RX: 59 × 18.2 × 13.3 mm
Operating Temperature	0°C to +50°C
Storage Temperature	-10°C to +50°C

## Charging Case

Battery Capacity	1000 mAh
Charging Time	Approx. 1.5 hours
Charging Connector	USB-C
Times for Charging Microphone	2 times (2*TX+1*RX)
Weight	99 g
Dimensions	112 × 73 × 33 mm
Operating Temperature	0°C to +50°C
Storage Temperature	-10°C to +50°C

## In the Box

### BOYALINK

2× BOYALINK Transmitter  
1× BOYALINK Receiver  
1× USB-A to USB-C Cable  
1× MFi Certified Lightning Adapter  
1× 3.5mm TRS Adapter  
1× USB-C Adapter  
2× Fur Windshield  
1× Charging Case  
1× Carrying Pouch

### BOYALINK A1

1× BOYALINK Transmitter  
1× BOYALINK Receiver  
1× USB-A to Dual USB-C Cable  
1× MFi Certified Lightning Adapter  
1× 3.5mm TRS Adapter  
1× USB-C Adapter  
1× Fur Windshield  
1× Carrying Pouch

### BOYALINK A2

2× BOYALINK Transmitter  
1× BOYALINK Receiver  
1× USB-A to Triple USB-C Cable  
1× MFi Certified Lightning Adapter  
1× 3.5mm TRS Adapter  
1× USB-C Adapter  
2× Fur Windshield  
1× Carrying Pouch

### BOYALINK C2

2× BOYALINK Transmitter  
1× BOYALINK Receiver  
1× USB-A to USB-C Cable  
1× 3.5mm TRS Adapter  
1× USB-C Adapter  
2× Fur Windshield  
1× Charging Case  
1× Carrying Pouch

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