

# Saramonic

Ultracompact 2.4GHz Dual-Channel  
Wireless Microphone System

2.4GHz迷你双通道无线麦克风系统

**Blink500 ProX B1/B2/B2R**

User Manual  
用户手册



## General Introduction

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The Saramonic Blink500 ProX is an incredibly lightweight, ultracompact and easy-to-use wireless microphone system for up to 2 people. The microphone delivers exceptional, broadcast-quality sound to smartphones, tablets, computers, DSLR, camcorders, recorders, and other audio/video recording devices. It features capabilities of low-latency and up to 100 metres of operating range. Blink500 ProX is ideal for instrument recording, live streaming, vlogging, mobile journalism and more.

Built-in omnidirectional microphone, the transmitter is small and light enough to clip to shirts and clothing, or you can use it as a belt-pack transmitter with the included lavalier microphone. The Blink500 ProX TX transmitter has an intuitive OLED display and the Blink500 ProX TXR transmitter features the capability of onboard recording to archive files. This is useful when, for example, a performance starts suddenly.

The Blink500 ProX RX also features a selectable Mono / Stereo output setting when using a second transmitter, giving you the ability record each mic to separate channels of camera's and recorder's stereo audio inputs.

The included charging case allows you to charge the transmitter(s) and receiver anywhere and can be recharged or powered via the USB-C DC 5V port.

No technical knowledge of audio is required to operate, with no complicated menus or setting. The Blink500 ProX system operates on the 2.4GHz spectrum and automatically hops to free channels to avoid static noise and audio dropouts.

## Statement

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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: [info@saramonic.com](mailto:info@saramonic.com)

## Cautions

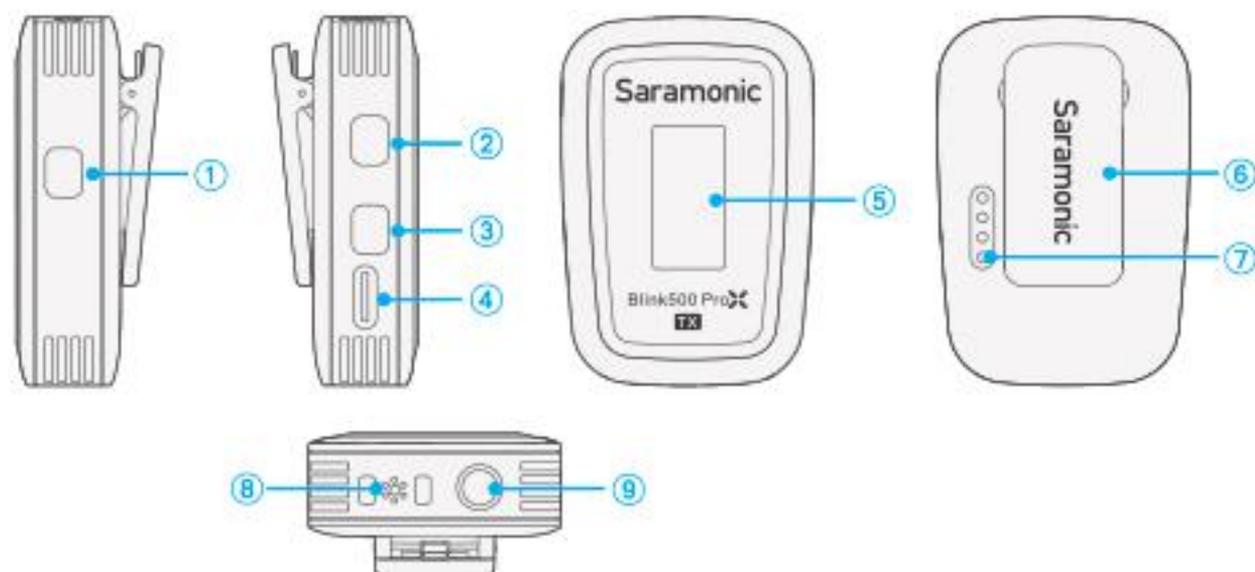
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1. Non-professional teardown is strictly prohibited.
2. Please keep it away from heat sources such as heaters or ovens.
3. Do not remove the battery without professionals' help.
4. Please clean the device with only a soft, dry cloth.
5. When using 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.

## Product Structure

### Blink500 ProX TX:

Body-pack Transmitter with OLED Display and Microphone



#### ① Power/Mute button

Function	Operation
Power ON/ OFF	Press and hold for 2 seconds
Mute ON/ OFF	Press

#### ② +/SET Button

Function	Operation
+	On home screen, short press to increase mic gain. On menu screen, short press to select different functions or values shown on the display.
SET	On home screen, long press to enter the menu screen. On menu screen, long press to enter the displayed menu. Then, long press again to confirm your option.

### ③ - Button

Function	Operation
-	On home screen, short press to decrease mic gain. On menu screen, short press to select different functions or values shown on the display.
BACK	On menu screen, long press to return to home screen.

### ④ USB-C Charging Port (DC 5V)

### ⑤ OLED Display

Display menus, please refer to "OLED Display Introduction" for more details.

### ⑥ Belt Clip

### ⑦ Charging Contacts

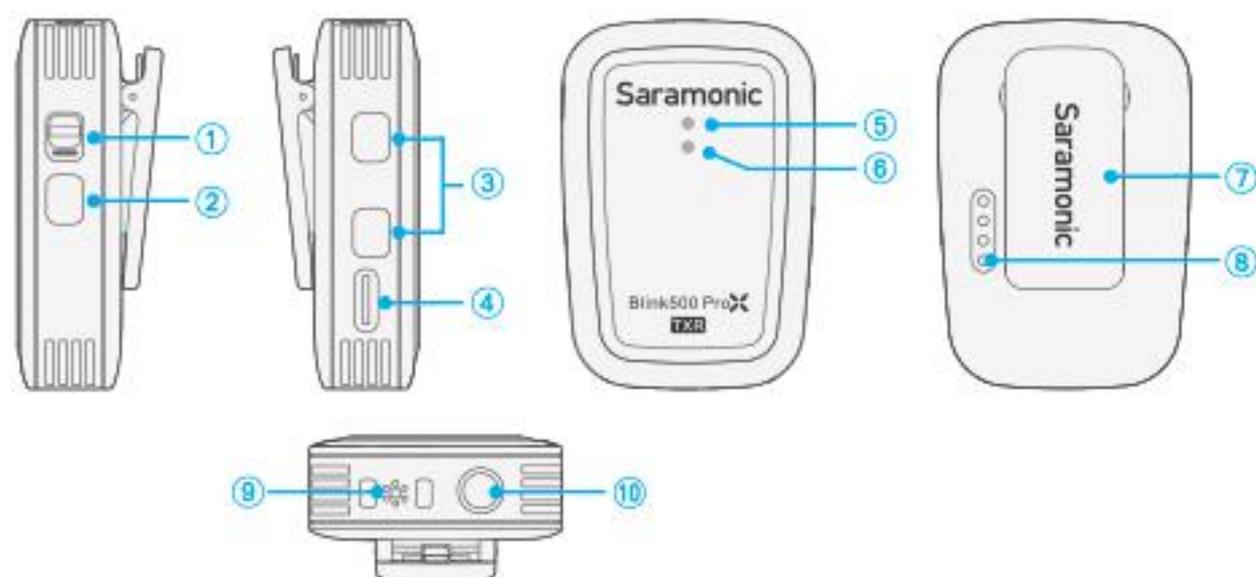
### ⑧ Built-in Microphone

### ⑨ Mic/ Line Input Jack

It can be connected to the 3.5mm lavalier microphones, and other 3.5mm microphones or line-in devices.

## Blink500 ProX TXR:

### Body-pack Transmitter with Onboard Recording



#### ① REC Switch

- Toggle the switch up or down to enable or disable onboard recording. (The red line exposed means enable.)
- Enable the onboard recording in the transmitter's shutdown state, then it will automatically start recording after being powered on.
- The file will be automatically split after 30 minutes of recording, making it easy to quickly find your desired recording segment.
- The recording files are named with consecutive numbers, such as REC-001.WAV. Up to 999 recording files can be created with a sampling rate of 48KHz/16bit.
- When the memory or file name is full, the original file will be automatically overwritten with the latest file from the beginning (REC-001.WAV).

#### ② Power/ Mute Button

Function	Operation
Power ON/ OFF	Press and hold for 2 seconds
Mute ON/ OFF	Press
Enter the pairing mode	Press and hold for 5 seconds in shutdown mode

### ③ +/- Button

- Press "+" or "-" button to adjust the mic gain (total 7 level).
- Press and hold the "+" and "-" button at the same time for 2 seconds to switch between mic input or line input. When switching to line input, the status indicator lights up yellow.

### ④ USB-C Port

Used for charging. Can also be used to read recording files and check remaining memory after connecting to a smartphone or computer.

### ⑤ Recording Indicator

Blinking Pattern	Status
Blinking red	Mute
Static red	Onboard recording ON

HINT: • When mute and onboard recording are enabled at the same time, the indicator will show mute status.

- Enabling mute won't affect the onboard recording.

### ⑥ Status Indicator

Blinking Pattern	Status
Blinking blue slowly	Unpaired
Blinking blue quickly	Pairing
Static blue	Paired successfully or Fully charged
Blinking red	Low battery
Static red	Charging
Lights up yellow	Line input mode
Blinking blue 3 times quickly	Maximum/ Minimum gain

### ⑦ Belt Clip

### ⑧ Charging Contacts

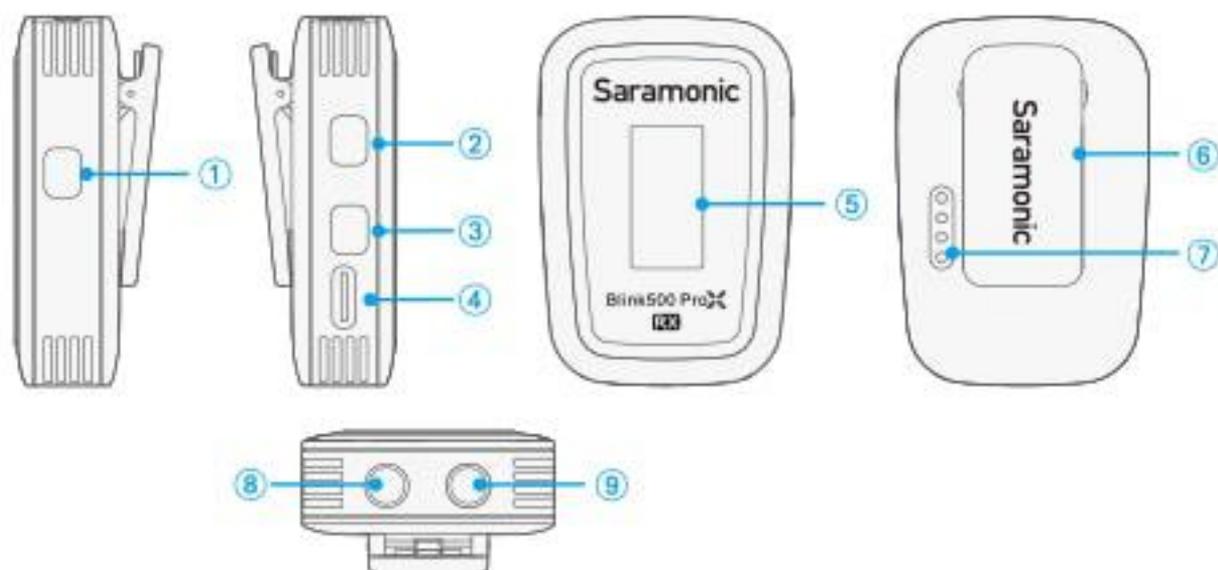
## ⑨ Built-in Microphone

## ⑩ Mic/ Line Input Jack

It can be connected to the 3.5mm lavalier microphones, and other 3.5mm microphones or line-in devices.

## Blink500 ProX RX:

### Clip-on and Shoe-mountable Receiver



## ① Power/Mute button

Function	Operation
Power ON/ OFF	Press and hold for 2 seconds
Mute ON/ OFF	Press

## ② +/SET Button

Function	Operation
+	On home screen, short press to increase volume. On menu screen, short press to select different functions or values shown on the display.

SET	On home screen, long press to enter the menu screen. On menu screen, long press to enter the displayed menu. Then, long press again to confirm your option.
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### ③ - Button

Function	Operation
-	On home screen, short press to decrease volume. On menu screen, short press to select different functions or values shown on the display
BACK	On menu screen, long press to return to home screen.

### ④ USB-C Charging Port (DC 5V)

### ⑤ OLED Display

Please refer to "OLED Display Introduction" for more details.

### ⑥ Belt Clip

### ⑦ Charging Contacts

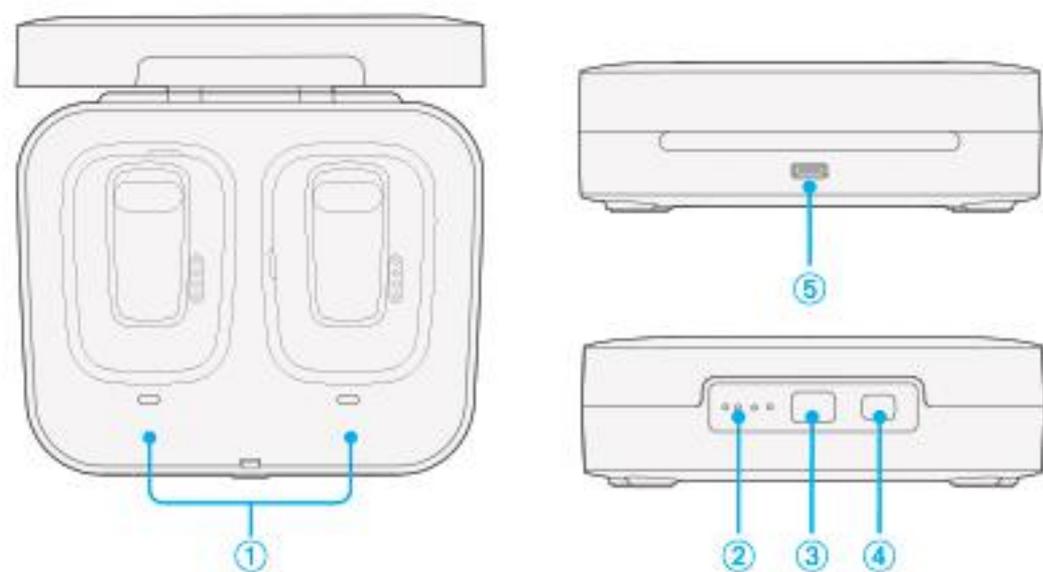
### ⑧ LINE OUT Jack

Connect the Blink500 ProX RX to a DLSR camera, mixer, or amplifier with the included output cable.

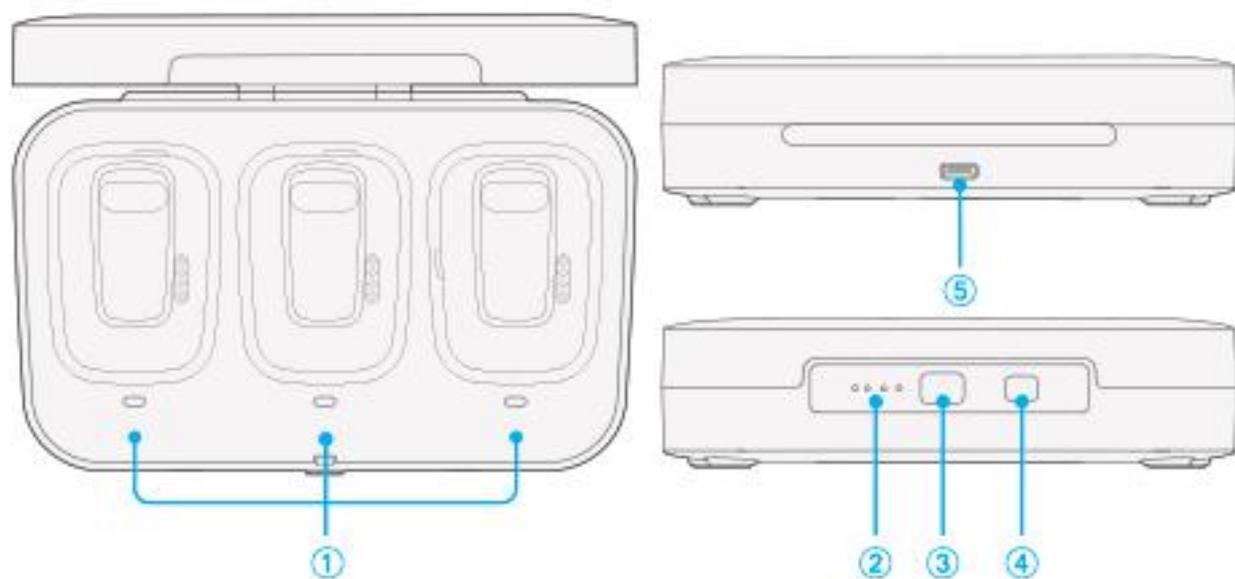
### ⑨ 3.5mm Headphones Output

Connect a headphone to monitor the audio output.

## Blink500 ProX B1BOX:



## Blink500 ProX B2BOX:



### ① Transmitter&Receiver Charging Indicator

Charging = Static red (Transmitter's/Receiver's battery level indicator flashes in cycle.)

Fully charged = Light off (Transmitter's/Receiver's battery level indicator is static and full.)

### ② Case Power Capacity Indicator

Indicator	Status
	Charging (Blinks blue light in cycle)
	Full charged
	Current battery level (75%)
	Low battery (25%)
	Battery runs out/ Case closed
	Charging Microphone(s) in the case (Blinks blue light for 1 minute)

### ③ OPEN Button

### ④ Case Battery Detection Button

Press the button, then the power capacity indicator of the charging case lights up, showing the current remaining battery.

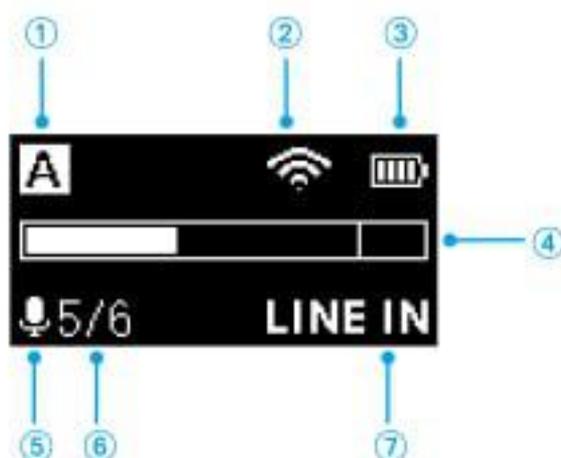
**Note:** Press the detection button as case closed, and its power capacity indicator will light on for 3 seconds then off.

### ⑤ USB-C Charging Port (DC 5V)

**Note:** The transmitter/receiver will automatically turn on after opening the charging case and turn off after being placed in the case for 5 seconds or closing the case for 1 minute.

# OLED Display Introduction

## Blink500 ProX TX



③ TX's Battery Level Indicator  
Displays the TX battery level.  
Please recharge the device immediately when the blank indicator starts flashing.

④ Audio Input Level Meter  
Displays the audio input level.

⑤ Mute Indicator of Mic  
🔇 Mute ON   🔊 Mute OFF

⑥ Mic Gain  
On home screen, press +/- button to adjust the volume of microphone. The setting is retained even after the power is turned off.

⑦ TX's Input Mode  
Displays the what input mode of the TX transmitter is currently set to, either MIC IN or LINE IN.

## Home Screen

If no operation is performed within 20 seconds on menu screens, the display will automatically return to home screen.

### ① Channel Group Icon

**A B** The channel A/B is successfully paired.

**A B** The channel A/B is unpaired.

**? ?** Channel is unknown. (usually occurs when the transmitter restores default settings)

### ② RF Level Indicator

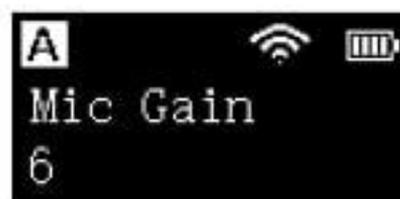
Indicates the current signal level.

📶 Signal is strong (Paired successfully)

■ Signal is weak (Paired successfully)

■ No signal (Disconnected)

## Menus Introduction



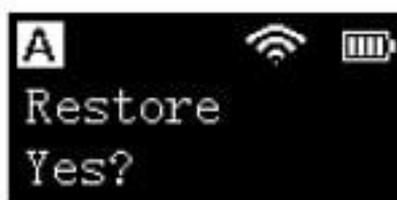
**Mic Gain:** Adjust the microphone's input gain level from 0 to 6. Default is "5".



**Input Mode:** The input mode can be selected to Mic In or Line In. When the input mode is Mic In mode, the transmitter can be connected to the included lavalier microphone, or other microphones with a 3.5mm output. When the input mode is Line In mode, the receiver can be connected to line-level output devices. The system's default is "Mic In".



**Language Setting:** English or 简体中文 (Chinese) are available. Default is English.



**Restore Default Setting**  
Yes: restores default settings  
No: exits restore default settings



**Set Mute Key:** Enable or Disable mute key button function. Default is "Enable".

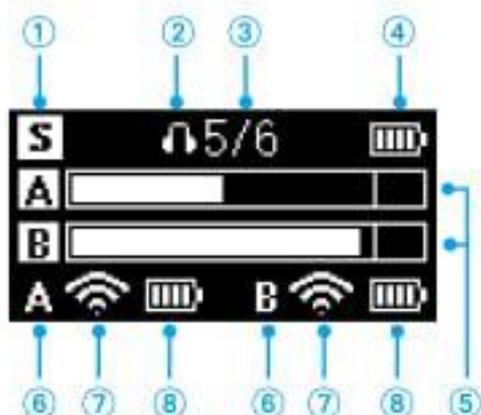


**Pair Setting:** Pair with the receiver. For details of operation, please refer to "Operation Guide"



**Set Backlight:** Set backlight to Always On or On for 10, 30, or 60 seconds. Default is "On".

## Blink500 ProX RX



### Home Screen

If no operation is performed within 20 seconds on menu screens, the display will automatically return to home screen.

#### ① Receiver's Output Mode

**M** Mono **S** Stereo

#### ② Mute Indicator of Headphone /Output

**⏏** Mute OFF **🔇** Mute ON

#### ③ Receiver's Headphone/Output Volume

On home screen, press +/- button to adjust the headphone/output volume. The setting is retained even after the power is turned off.

#### ④ Receiver's Battery Level Indicator

Displays the receiver's battery level. Please recharge the device immediately when the blank indicator starts flashing.

⑤ Audio Input Level Meter  
Displays the audio input level.

⑥ Channel Group Icon

⑦ RF Level Indicator  
Indicates the current signal level.

**📶** Signal is strong (Paired successfully)

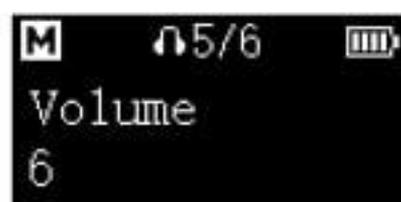
**📶** Signal is weak (Paired successfully)

**📶** No signal (Disconnected)

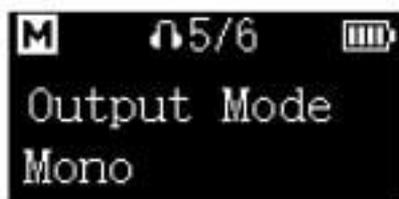
⑧ Transmitter's Battery Level Indicator

Displays the transmitter's battery level. Please recharge the device immediately when the blank indicator starts flashing.

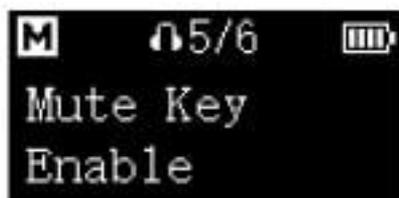
## Menus Introduction



Headphone Output Volume: The headphone monitoring volume can be set from 0 to 6. Default is "5".



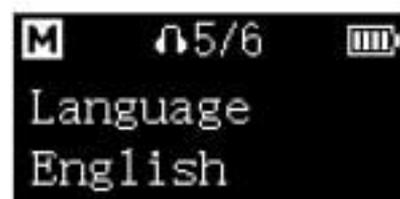
**Output Mode:** The output mode can be set to either mono or stereo. When in mono mode, the audio from the transmitter, or transmitters will be mixed to both the left and right sides. When in stereo mode, the two transmitters' audio output will be separated to the left and right sides. System default is mono.



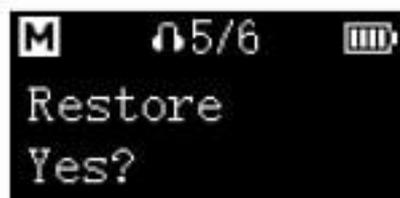
**Set Mute Key:** Enable or Disable mute key button function. Default is "Enable".



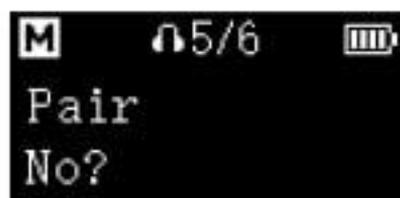
**Set Backlight:** Set backlight to Always On or On for 10, 30, or 60 seconds. Default is "On".



**Language Setting:** English or 简体中文 (Chinese) are available. Default is English.



**Restore Default Setting**  
Yes: restores default settings  
No: exits restore default settings



**Pair Setting:** Pair with the receiver. For details of operation, please refer to "Operation Guide"

## Operation Guide

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### For the kit of Blink500 ProX B1/ Blink500 ProX B2

1. Connect the receiver to the mic input of a camera, recorder or mixer with the included 3.5mm TRS cable. Or connect the RX to a smartphone, tablet, or computer with the other adapter cable.
2. Long press the power button for 2 seconds to turn on the transmitter(s) and the receiver.

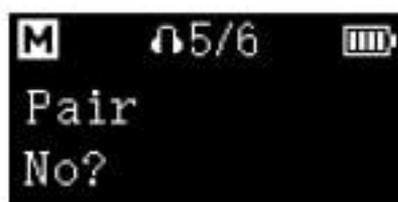
#### 3. Pairing

Before leaving factory, the system is pre-paired. Therefore, the connection will be established once they are powered on. If they are disconnected, please follow below steps:

- ① Long press the SET button to enter menu screen.
- ② Use the + or -button to display the Pair setting menu on both transmitter(s) and receiver.



TX

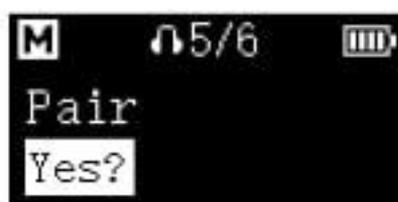


RX

- ③ Long press the SET button to select the menu.



TX



RX

- ④ Select "Yes", and long press the SET button to confirm.
  - ⑤ Transmitter(s) and receiver will be successfully paired within 10 seconds.
4. You are ready to record.

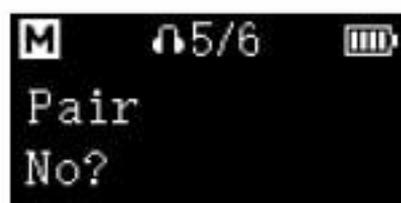
## Blink500 ProX B2R

1. Connect the receiver to the mic input of a camera, recorder or mixer with the included 3.5mm TRS cable. Or connect the RX to a smartphone, tablet, or computer with the other adapter cable.
2. Long press the power button for 2 seconds to turn on the receiver and the transmitter(s).

### 3. Pairing

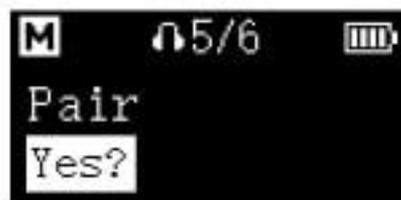
Before leaving factory, the system is pre-paired. Therefore, the connection will be established once they are powered on. If they are disconnected, please follow below steps:

- ① Long press the receiver's SET button to enter menu screen. Use the + or - button to display the Pair setting menu.



RX

- ② Long press the SET button and select "Yes", and long press the SET button again to confirm. The receiver will enter the pairing mode.



RX

- ③ Long press transmitter(s)' power button for 5 seconds in shutdown mode to enter the pairing mode.
  - ④ Transmitter(s) and receiver will be successfully paired within 10 seconds.
4. You are ready to record.

### NOTE:

- 1.If a certain transmitter of a kit failed to pair, please turn off the paired transmitter, and then re-pair the unpaired transmitter and receiver.
- 2.Due to the 2.4GHz wireless frequency is widely used, the signal may be easily attenuated or interfered. Please try to avoid obstacles while using, such as walls and buildings. And keep away from the devices with 2.4GHz frequency, such as high-power Wi-Fi antennas, radios, etc.

## Other Adapter Cable (Sold Separately)

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3.5mm TRS Male Jack to Lightning  
Audio Adapter Cable (SR-C2000)



3.5mm TRS Male Jack to Type-C Audio  
Adapter Cable (SR-C2001)



3.5mm TRS Female Jack to Type-C Audio  
Adapter Cable (SR-C2003)



3.5mm TRS Female Jack to Lightning Audio  
Adapter Cable (SR-C2018)

## Specifications

### Blink500 ProX TX / Blink500 ProX RX

Display	OLED
Transmission Type	2.4GHz Digital Frequency
Modulation	Digital Modulation
Polar Pattern	Omnidirectional
Antenna	Built-in Antenna
Operating Range (Without Obstacles)	>100m
RF Output Power	<10mW
Distortion	≤ 0.1%
Frequency Response	20Hz-20KHz
Reference Audio Input Level	-20~-42dBu (MIC Input, 0dB Gain)
Signal-to-Noise Ratio	>84dB
Audio Input Connector	3.5mm MIC IN/LINE IN
Audio Output Connector	3.5mm Headphone Jack (Compatible with TRS/TRRS) 3.5mm TRS Output Jack
Battery Specifications	3.7V/400mAh
Power Requirements	Built-in Li-ion Battery or Charging Contact or USB-C DC 5V
Built-in Battery Life	Approx. 10 hours
Weight	TX: 1.04oz (29.5g) RX: 1.08oz (30.5g)
Dimensions	2.20×1.49×0.61" (56×38×15.5mm)
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 50°C

## Blink500 ProX TXR

Transmission Type	2.4GHz Digital Frequency
Modulation	Digital Modulation
Polar Pattern	Omnidirectional
Antenna	Built-in Antenna
Operating Range (without obstacles)	>100m
RF Output Power	<10mW
Distortion	<0.1%
Frequency Response	20Hz-20kHz
Reference Audio Input Level	-20~-42dBu (MIC Input, 0dB Gain)
Signal-to-Noise Ratio	>84dB
Audio Input Connector	3.5mm MIC IN/LINE IN
Memory Capacity	8G
Battery Specifications	3.7V/ 400mAh
Power Requirements	Built-in Li-ion Battery or Charging Contact or USB-C DC 5V
Built-in Battery Life	Onboard Recording ON: Approx. 5 hours Onboard Recording OFF: Approx. 11 hours
Weight	1.04oz (29.5g)
Dimensions	2.20×1.49×0.61" (56×38×15.5mm)
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 50°C

## Blink500 ProX B1BOX / Blink500 ProX B2BOX

Power Requirements	USB-C Port
Power Capacity	B1BOX: 2000mAh B2BOX: 3000mAh
Case's Charging Time	< 3 hours
Charge Cycle Times for Microphones	B1BOX: 2 times B2BOX: 2 times
Weight	B1BOX: 6.98oz(198g) B2BOX: 9.31oz(264g)
Dimensions	B1BOX: 4.84×3.91×1.51" (123×99.5×38.5mm) B2BOX: 6.49×3.91×1.51" (165×99.5×38.5mm)
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 50°C

## Packing Contents

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### **Blink500 ProX B1**

- 1×Blink500 ProX TX Transmitter
- 1×Blink500 ProX RX Receiver
- 1×Blink500 ProX B1BOX Charging Case
- 1×Omnidirectional Lavalier Microphone (with Foam Windscreen and Mic Clip)
- 1×Fur Windshield for Built-in Microphone
- 1×Type-C Charging Cable
- 1×3.5mm TRS to 3.5mm TRS Output Cable for Cameras
- 1× 3.5mm TRS to 3.5mm TRRS Output Cable for Smartphones

### **Blink500 ProX B2**

- 2×Blink500 ProX TX Transmitter
- 1×Blink500 ProX RX Receiver
- 1×Blink500 ProX B2BOX Charging Case
- 2×Omnidirectional Lavalier Microphone (with Foam Windscreen and Mic Clip)
- 2×Fur Windshield for Built-in Microphone
- 1×Type-C Charging Cable
- 1×3.5mm TRS to 3.5mm TRS Output Cable for Cameras
- 1× 3.5mm TRS to 3.5mm TRRS Output Cable for Smartphones

### **Blink500 ProX B2R**

- 2× Blink500 ProX TXR Transmitter
- 1× Blink500 ProX RX Receiver
- 1× Blink500 ProX B2BOX Charging Case
- 2× Omnidirectional Lavalier Microphone (with Foam Windscreen and Mic Clip)
- 2× Fur Windshield for Built-in Microphone
- 1× Type-C Charging Cable
- 1× 3.5mm TRS to 3.5mm TRS Output Cable for Cameras
- 1× 3.5mm TRS to 3.5mm TRRS Output Cable for Smartphones



For better recording experience, the application SmartRecorder is recommended.

为获得更好的录制体验, 推荐使用枫笛 Saramonic 自主研发应用软件 SmartRecorder。



Scan the QR code and follow us!

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