Saramonic®

Sound.Remarkable. �

Ultracompact 2.4GHz
Dual-Channel Wireless
Microphone System
Blink500

User Manual

General Introduction

The Saramonic Blink500 is an incredibly lightweight, ultracompact and easy-to-use 2-person wireless microphone system for DSLR, Mirrorless and Video cameras, or mobile devices that delivers detailed, broadcast-quality sound.

The system series is comprised of three different receivers. The RX receiver has a 3.5mm output and includes TRS and TRRS output cables, allowing it to work with any device with a 3.5mm audio input. The RXDi receiver has a MFi Certified Lightning output and is designed for Apple iOS devices. And the RXUC receiver has a USB-C output and is designed for devices with a USB-C port, including Android smartphones and tablets.

The clip-on transmitter has a great sounding built-in mic and it is small and light enough to clip to shirts and clothing, or you can use it as a traditional beltpack transmitter with the included SR-M1 professional lavalier microphone.
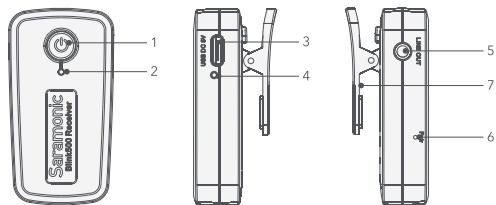
No technical knowledge of audio is required to operate. The Blink500 system operates on the interference-free 2.4GHz spectrum and automatically hops to free channels to avoid static noise and audio dropouts.

There are three kits available in the Blink500 series – consisting of transmitter and receiver, each of which is also available separately:

Model	Box Content
Blink500 B1(TX+RX)	1×Blink500 RX 1×Blink500 TX
Blink500 B3(TX+RXDi)	1×Blink500 RXDi 1×Blink500 TX
Blink500 B5(TX+RXUC)	1×Blink500 RXUC 1×Blink500 TX

Product Structure

1. Blink500 RX: Clip-On and Shoe-Mountable Receiver

① Power Key
Long press to turn on or off the receiver.

② Power and Pairing Indicator

Power Functions:
Solid Red Light = Low Battery

Pairing Functions:
Flashing Blue Light (every one second) = Unpaired
Quick Flashing Blue Light (every 0.5 second) = Waiting for Pairing
Solid Blue Light = Paired Successfully
Once the receiver and transmitter are paired, they will be connected with each other automatically, even when powered off and on.

③ USB Type-C Charging Port

④ Charge Indicator
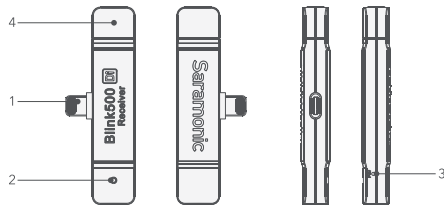Solid Green Light = Charging Battery
Light turns off when fully charged.

⑤ Line Out
Connect the receiver to a DSLR or Mirrorless camera, camcorder, smartphone, tablet, mixer or amplifier with the supplied output cables.

⑥ Pairing button

⑦ Belt Clip and Standard Cold Shoe Mount

2. Blink500 RXDi: Lightning Receiver

① Lightning Connector

② Pairing Indicator
Flashing Blue Light (every one second) = Unpaired
Quick Flashing Blue Light (every 0.5 second) = Waiting for Pairing
Solid Blue Light = Paired Successfully

Once the receiver and transmitter are paired, they will be connected with each other automatically, even when powered off and on.

③ Pairing button

④ Antenna

3. Blink500 RXUC: USB-C Receiver

① USB Type-C Connector

② Pairing Indicator
Flashing Blue Light (every one second) = Unpaired
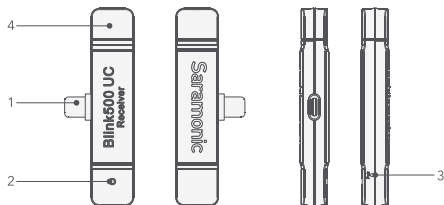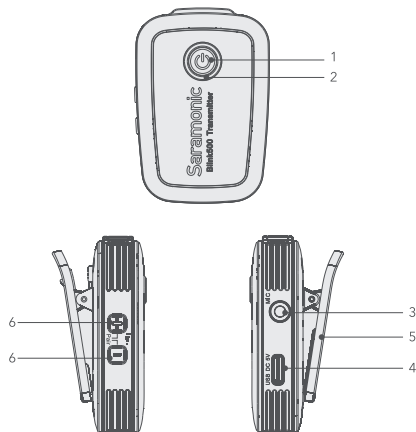Quick Flashing Blue Light (every 0.5 second) = Waiting for Pairing
Solid Blue Light = Paired Successfully
Once the receiver and transmitter are paired, they will be connected with each other automatically, even when powered off and on.

③ Pairing button

④ Antenna

4. Blink500 TX: Body-pack Transmitter with Microphone

① Power Key
Long press to turn on or off the transmitter.

② Power Indicator, Volume Indicator and Pairing Indicator

Power Functions:
Solid Red Light = Low Battery

When charging:
Solid Green Light = Charging Battery
Light turns off when fully charged.

Volume Functions:
Indicates the volume setting in three stages.

Adjust the audio level by the "+" and "-" buttons.
Default is in the third stage.
The transmitter mic will be muted if you turn down the volume till all the lights are turned off.

Pairing Functions:

Flashing Blue Light (every one second) = Unpaired
Slow Flashing Blue Light (every three seconds) = Paired Successfully

③ 3.5mm Audio Input
Connect to the supplied lavalier microphone.

④ USB Typc-C Charging Port

⑤ Belt Clip and Standard Cold Shoe Mount

⑥ Volume Control Buttons & Pair Buttons

Operation Guide

For the Blink500 B1 kit
1. Turn on the transmitter TX by long pressing the power key.
2. Turn on the receiver RX by long pressing the power key.
3. Using the pin, to press the paring button of the RX receiver. The pairing indicator now flashes all 0.5 seconds. Press the "+" and "-" buttons on the TX Transmitter simultaneously within 10 seconds.
4. The kit will be paired when the RX pair indicator is solid blue and the TX pair indicator is flashing slowly.
   Note: To pair a second transmitter TX, just repeat the step 3 and 4.
5. Connect the receiver RX to the mic jack of a camera, camcorder, recorder or mixer with the supplied 3.5mm TRS audio cable. Or connect the RX to a smartphone or tablet with the supplied 3.5mm TRS to TRRS audio cable.
6. You are ready to record.
   Note: The output of receiver RX is line out. You can connect it to speaker system. To avoid noise during connection, before connecting the receiver to a speaker system, please mute the speaker system and do not use the headphones.

For the Blink500 B3/ B5 kit
1. Turn on the transmitter by long pressing the power key.
2. Plug the RXDi into an iOS device or the RXUC into an USB Type-C device. Please make sure the antenna (yellow side) is oriented on the top of the device.

3. Insert the pairing pin into the pairing pin-hole of RXDi or RXUC, press hard and the pair indicator should be quick flashing at every 0.5s. Press both the "+"and "-" button of transmitter TX simultaneously within 10 seconds.
4. The kit will be paired when the RX pair indicator is solid blue and the TX pair indicator is flash slowly.
   Note: To pair a second transmitter TX, just repeat the step 3 and 4.
5. You are ready to record.

Specification

Blink500 RXDi	
Transmission Type	2.4GHz Digital Frequency
Frequency	2.400 up to 2.4835 GHz
Transmitting Power	17mW
Modulation	GFSK
Operating Range	Up to 50 m (164')
Audio Output Connecter	MFi Certified Lightning Connecter
Stromversorgung	Supplied by Lightning 3.7 V
Antenna	PIFA Antenna
Weight	Approx. 11 g (0.38oz)
Dimensions	76 x 16.5 x 11mm
Operating Temperature	0°C up to 50°C
Storage Temperature	-20°C up to +55°C

Blink500 RXUC	
Transmission Type	2.4GHz Digital Frequency
Frequency	2.400 up to 2.4835 GHz
Transmitting Power	17mW
Modulation	GFSK
Operating Range	Up to 50 m (164')
Audio Output Connecter	USB-C Connector
Power Requirements	Supplied by USB-C 5.0 V
Antenna	PIFA Antenna
Weight	Approx. 10.5 g (0.37oz)
Dimensions	76 x 16.5 x 11mm
Operating Temperature	0°C up to 50°C
Storage Temperature	-20°C up to +55°C

Blink500 RX	
Transmission Type	2.4 GHz Digital Frequency
Frequency	2.400 up to 2.4835 GHz
Transmitting Power	17mW
Modulation	GFSK
Operating Range	Up to 50 m (164')
Audio Output Connecter	3.5 mm Jack
Audio Output level	-60 dBV
Power Requirements	Built-in Li-ion Battery with 3.7 V/ 300 mAh (1.11 Wh)
Input	5 V ⎓ 158 mA
Built-In Battery Life	Approx. 6 heurs
Antenna	PIFA Antenna
Weight	Approx. 26.5 g
Dimensions	62×33×15.5 mm
Operating Temperature	0°C up to 50°C
Storage Temperature	-20°C up to +55°C

Blink500 TX	
Transmission Type	2.4 GHz Digital Frequency
Frequency	2.400 up to 2.4835 GHz
Transmitting Power	17mW
Modulation	GFSK
Operating Range	Up to 50 m (164')
RF Output Power	10 mW
Polar Pattern	Omnidirectional
Frequency Response	50Hz–18KHz
Maximum SPL	Built-in Microphone: 120dB SPL Lava lier Microphone: 110dB SPL
Empfindlichkeit	Built-in Microphone: -42dB Lava lier Microphone: -30dB
SNR	> 78dB
Power Requirements	Built-in Li-ion Battery with 3.7 V/ 300 mAh (1.11 Wh)
Input	5 V ⎓ 158 mA
Built-In Battery Life	Approx. 6 heurs
Antenna	PIFA Antenna
Audio Inputs	3.5mm TRS Lava lier Microphone Input or Built-in Microphone
Weight	Approx. 34g
Dimensions	63 x 43 x 16.5mm
Operating Temperature	0°C up to 50°C
Storage Temperature	-20°C up to +55°C

Packing List

Blink500 RX
1x Blink500 RX Receiver with Built-In Clip
1x 3.5 mm TRS to TRS Output Cable for Cameras
1x 3.5 mm TRS to TRRS Output Cable for
Smartphones and Tablets
1x USB-C Charging Cables
1x Pairing Pin
1x User Manual

BlinkS00TX
1x Blink500 TX T ransmitter with Built-In Microphone and Clip
1x SR-M1 Omnidirectional Lavalier Microphone
1x Alligator-Style Lavalier Microphone Clip
1x Foam Lavalier Windscreen
1x USB-C Charging Cable
1x Pairing Pin
1x User Manual

Blink500 RXDi
1x Blink 500 RXDi Receiver with MFi Certified Apple
Lightning Connector
1x Pairing Pin
1x User Manual

Blink500 RXUC
1x Blink 500 RXUC Receiver with USB-C Connector
1x Pairing Pin
1x User Manual

Blink500 B1 (TX+RX)
1x Blink500 RX Receiver with Built-In Clip
1x Blink500 TX Transmitterwith Built-In Microphone and Clip
1x 3.5mm TRS to TRS Output Cable for Cameras
1x 3.5mm TRS to TRRS Output Cable for
Smartphones and Tablets
2x USB-C Charging Cables
1x SR-M1 Omnidirectional Lavalier Microphone
1x Alligator-Style Lavalier Microphone Clip
1x Foam Lava lier Windscreen
1x Pairing Pin and 1x User Manual

Blink500 B3 (TX+RXDi)
1x Blink500 RXDi Receiver with MFi Certified Apple
Lightning Connector
1x Blink500 TX Transmitter with Built-In Microphone and Clip
1x SR-M1 Omnidirectional Lavalier Microphone
1x Alligator-Style Lava lier Microphone Clip
1x Foam Lavalier Windscreen
1x USB-C Charging Cable
1x Pairing Pin and 1x User Manual

Blink500 B5 (TX+RXUC)
1x Blink500 RXUC Receiver with USB-C Connector
1x Blink500 TX Transmitter with Built-In Microphone and Clip
1x SR-M1 Omnidirectional Lavalier Microphones
1x Alligator-Style Lavalier Microphone Clip
1x Foam Lavalier Windscreen
1x USB-C Charging Cable
1x Pairing Pin and 1x User Manual

Common Technical Issues and Solutions

If you encounter problems when using the Blink500 system, please refer to the follow checklist before contacting technical support. If the problem cannot be solved, please contact the dealer's after-sales service department.

Problems	Causes	Solutions
The RX/TX cannot be turned on	The battery is very low.	Charge the RX/TX with the supplied charging cable.
The battery become drained quickly	The device is being used under cold or hot conditions.	Recharge or move to less cold or hot enviornment.
There is no sound	The transmitter TX is muted.	Adjust the sound by the "+" and "-" buttons.
	The transmitter and receiver is not paired.	Pair the system. Refer to the "Operation Guide."
	The audio cable is not fully plugged in.	Re-plug the audio cable.
The sound is weak	The transmitter volume setting is too low.	Adjust the volume, the goal is to transmit the highest level in the entire signal path without distortion to get the highest signal to noise ratio.
The sound is distorted	Transmitter/receiver volume setting is not suitable.	Adjust the volume, the goal is to transmit the highest level in the entire signal path without distortion to get the highest signal to noise ratio.
	Using a mono plug headphone.	Please use the headphone with stereo plug

Problems	Causes	Solutions
There is too much ambient noise is picked up	The Blink500 TX built-in microphone is omnidirectional. The microphone may pick up more ambient sounds.	Please make sure the microphone is as close as possible to the subject being shot.
There is sound interruption or noise	Signal is interfered.	1. Adjust the angel of transmitter/receiver. 2. There is more radio frequency interference outdoors. Try to move the recording indoors. 3. Be away from conductive objects such as metal and water. 4. Overhead telephone lines, fluorescent lights, and metal fences may interfere with wireless microphones. 5. Turn off all nearby computers and phones.
	The RF signal is weak.	1. Make sure that the line of sight between the transmitter and receiver antennas is unobstructed. 2. Your body, clothes, and stage set may be a hindrance. 3. If there are obstacles, you need to shorten the distance between the transmitter and the receiver.
	The input level of the camera, recorder or mixer is too high.	Turn down the audio input level of the camera or recording device. Turn down the gain of mixer.
	The volume of the transmitter is too high.	Lower the volume to the second stage.

Important Information

This leaflet includes operation instructions for the **Saramonic Blink500.** It contains important information for your safety. Read these operating instructions, and in particular the safety information carefully before using the product. Failure to observe these operating instructions may lead to safety risks or damage to the product. These operating instructions are based on standards and regulations that apply in the European Union. Please retain these operating instructions for further reference. If you pass the product on to third parties, please also include these operating instructions.

Battery Warning
• Never dismantle, crush, or pierce the battery, or allow the battery to short circuit. Do not expose battery being placed in high temperature environment, if battery leaks or bulges, stop continue to use.
• Always charge using the charger. Risk of explosion if battery is replaced by an incorrect typ.
• Keep the battery out of the reach of children.
• Batteries may explode if exposed to fire. Never through batteries into the fire.
• Never exchange batteries by yourself, please let it be done by the retailer.
• Dispose used batteries by observing local regulations.
• Before disposing the device, please remove the battery. For removing the battery open the housing via the screws.

 Attention: It is not allowed to exchange the battery independently!

Conformity

Hereby, Rollei GmbH & Co. KG declares that the radio equipment type "Saramonic Blink500" is in compliance with:

2011/65/EC RoHs Directive
2014/53/EU RED-Directive

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The complete text of the EU Declaration of Conformity can be downloaded at the following Internet address:
http://www.saramonic-shop.com/EKG/Blink500

RCP Handels-GmbH & Co. KG
In de Tarpen 42, 22848 Norderstedt, Germany

Disposal

Dispose of packaging: For disposal, separate packaging into different types. Cardboard and board must be disposed of as paper and foil must be recycled.

Disposal of old devices: Applicable in the European Union and other European countries with systems for the separate collection of reusable materials. Do not dispose old devices into the household waste! If the Saramonic Blink500 is no longer used, every consumer is legally obligated to dispose them separately from the household waste, for example, at a collection site of his community / city district. This ensures that devices are properly recycled and negative effects on the environment are avoided. Therefore, electrical and electronic equipment needs to be marked with the shown symbol..

Batteries and power packs may not be disposed of in domestic waste! As a consumer, you are legally obliged to correctly dispose of all batteries and power packs irrespective of whether they contain contaminants or not, at a collection point of your municipality/council or in shops, in order to ensure an environmentally friendly disposal.
*marked with: Cd = Cadmium, Hg = Mercury, Pb = Lead

Imported by:
RCP Handels-GmbH & Co. KG
In de Tarpen 42
D-22848 Norderstedt

Service Hotline:
+49 40 270750403