

Saramonic Blink500 T4

Saramonic Blink 500 T4 Wireless Lavalier Microphone System User Manual

Model: Blink500 T4

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Saramonic Blink 500 T4 4-Person Wireless Lavalier Microphone System. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The Saramonic Blink 500 T4 is a compact and versatile 2.4GHz wireless microphone system designed for capturing high-quality audio with up to four subjects simultaneously. It is ideal for use with DSLR cameras, camcorders, smartphones, and computers, making it suitable for interviews, podcasts, YouTube content creation, and more.

2. PRODUCT OVERVIEW

The Saramonic Blink 500 T4 system includes four compact clip-on transmitters (TX) with built-in omnidirectional microphones and a single camera-mountable receiver (RX). It offers flexible audio input options, noise reduction capabilities, and a reliable wireless range.

Key Features:

- **4-Person Wireless System:** Supports simultaneous audio capture from up to four individuals.
- **Flexible Transmitters:** Each transmitter features a built-in omnidirectional microphone and a 3.5mm input for the included lavalier microphone. Can be clipped directly or used as a belt pack.
- **Clear, High-Quality Sound:** Utilizes 24-bit / 48kHz digital wireless sound with algorithm-based noise reduction for clear audio.

- **Mixed or Independent 4-Channel Output:** The receiver provides a 3.5mm TRRS output for either a mixed stereo signal or independent 4-channel output, along with a 3.5mm TRS headphone output for real-time monitoring.
- **Remarkable Range & Power:** Offers a line-of-sight range of up to 328 feet (100 meters) and automatic channel switching. Transmitters provide up to 12 hours of runtime, and the receiver up to 8 hours.
- **Multi-Device Compatibility:** Connects to DSLR cameras, camcorders, smartphones, tablets, multi-channel recorders, mixers, and computers.

System Components:



Image: The Saramonic Blink 500 T4 system showing four black transmitters with blue power lights and one black receiver with a green mute light, along with lavalier microphones and cables.

Multi-Device Compatibility

Work with DSLR Camera, iPhone, Android and PC



Image: The Saramonic Blink 500 T4 system laid out with various compatible devices including a DSLR camera, iPhone, Android phone, laptop, and tablet, illustrating its multi-device compatibility.

3. WHAT'S IN THE BOX

Verify that all items are present in your package:

- 4 x Blink500T4 TX Transmitters with Built-In Microphone
- 1 x Blink500T4 RX Receiver with Built-In Camera Shoe-Mount
- 4 x SR-M1 Omnidirectional Lavalier Microphones
- 4 x Alligator-Style Lavalier Microphone Clips
- 4 x Foam Lavalier Windscreens
- 1 x 1' (30.5 cm) 3.5mm TRRRS to 3.5mm TRS Output Cable (for Cameras)
- 1 x 1' (30.5 cm) 3.5mm TRRRS to 3.5mm TRRS Output Cable (for Smartphones)
- 1 x 27.6" (70 cm) 3.5mm TRRRS Male to 4x 3.5mm TRS Male Output Cable (for Independent 4-Channel

Output)

- 2 x USB-A to Triple Head USB-C Charging Cables
- 1 x Custom Zippered Clamshell Carrying Case

Package Content



Blink500T4 RX x1



Blink500T4 TX x4



SR-M1 3.5mm lavalier microphone x4



3.5mm TRRS cable for 3.5mm TRS male output cable x1



USB-A to triple head USB-C charging cable x2



3.5mm TRRS cable for Smartphone x1



3.5mm TRS cable for Smartphone x1



Carrying case x1

Image: A diagram illustrating all components included in the Saramonic Blink 500 T4 package, including transmitters, receiver, lavalier microphones, various cables, and the carrying case.

4. SETUP GUIDE

4.1 Charging the Devices

Before first use, fully charge all transmitters (TX) and the receiver (RX). Use the provided USB-A to Triple Head USB-C charging cables.

- Connect the USB-C ends of the charging cable to the charging ports on the TX units and RX unit.
- Connect the USB-A end to a USB power adapter (not included) or a computer's USB port.
- The indicator lights will show charging status (refer to the Operating section for light indicators).

4.2 Attaching Lavalier Microphones (Optional)

Each transmitter has a built-in microphone. For a more discreet miking solution, you can use the included lavalier microphones:

- Plug the 3.5mm TRS connector of the SR-M1 lavalier microphone into the 3.5mm input jack on the side of the TX transmitter.
- Secure the lavalier microphone to clothing using the alligator-style clip, positioning it approximately 6-8 inches (15-20 cm) below the speaker's chin for optimal sound.
- Attach a foam windscreen to the lavalier microphone to reduce plosives and wind noise.



Image: A close-up showing a Saramonic Blink 500 T4 transmitter being clipped onto clothing, demonstrating its compact design and how it can be worn.

4.3 Connecting the Receiver to Your Device

The Blink 500 T4 RX receiver can connect to various recording devices:

- **For DSLR/Mirrorless Cameras:** Mount the RX receiver onto your camera's hot shoe using the built-in camera shoe-mount. Use the 1' (30.5 cm) 3.5mm TRRRS to 3.5mm TRS output cable to connect the RX's output to your camera's microphone input.
- **For Smartphones/Tablets:** Use the 1' (30.5 cm) 3.5mm TRRRS to 3.5mm TRRS output cable to connect the RX's output to your smartphone or tablet's headphone/microphone jack. For devices without a 3.5mm jack, an appropriate adapter (e.g., USB-C to 3.5mm or Lightning to 3.5mm) may be required (not included).
- **For Multi-Channel Recording (Independent Output):** Use the 27.6" (70 cm) 3.5mm TRRRS Male to 4x 3.5mm TRS Male Output Cable to connect the RX to a multi-channel recorder or mixer that supports separate inputs for each channel.



Image: The Saramonic Blink 500 T4 receiver mounted on top of a DSLR camera, with one of the transmitters visible in the foreground, demonstrating a typical camera setup.



Shown with Optional Equipment

Image: The Saramonic Blink 500 T4 system connected to a multi-channel portable audio recorder, showing how multiple transmitters can feed into a single recording device for independent track recording.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **Transmitter (TX):** Press and hold the power button for 2 seconds to turn on or off. The indicator light will illuminate.
- **Receiver (RX):** Press and hold the power button for 2 seconds to turn on or off. The indicator light will illuminate.

5.2 Pairing

The TX and RX units are pre-paired at the factory. If re-pairing is needed:

- Ensure both TX and RX units are powered on and within close proximity.
- The units should automatically connect. A solid blue light on the TX and a solid green light on the RX indicate a successful connection.
- If connection fails, power cycle both units.

5.3 Monitoring Audio

The RX receiver features a 3.5mm TRS headphone output for real-time audio monitoring.

- Plug a pair of headphones into the "Monitor" jack on the RX unit.
- Adjust the volume on your headphones or recording device as needed.

5.4 Muting the Transmitter

Each TX transmitter has a one-tap mute function:

- Press the power button on the TX unit once to mute the microphone. The indicator light will change color (e.g., from blue to red) to indicate mute status.
- Press the button again to unmute.

Internal and External Microphone



One-Tap
Muting



Real-Time
Monitoring



Image: A visual representation highlighting the one-tap muting and real-time monitoring features of the Saramonic Blink 500 T4, with examples of users wearing the microphones.

5.5 Noise Reduction

The Blink 500 T4 system incorporates algorithm-based noise reduction to filter out background noise while preserving human voice clarity.

- This feature is automatically active. No user intervention is typically required.
- For optimal performance, ensure the microphone is positioned correctly and avoid excessive background noise if possible.

Smart Noise Reduction

Clear & Clean Voice

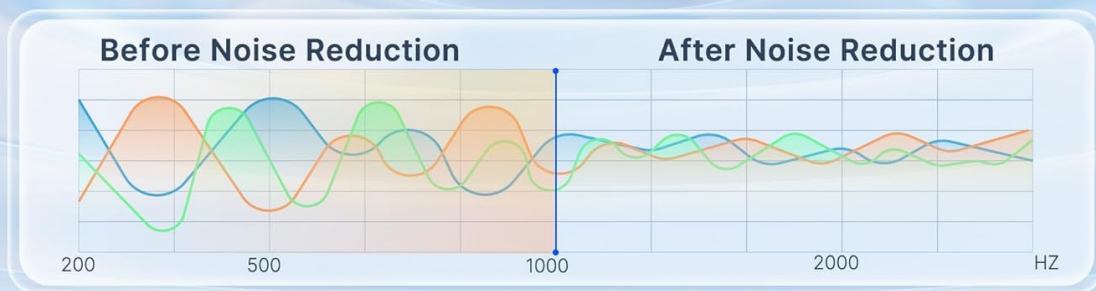


Image: A graphic illustrating the smart noise reduction capability of the Saramonic Blink 500 T4, showing a waveform before and after noise reduction, indicating a clearer audio signal.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the units. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the system in the provided carrying case when not in use to protect it from dust and physical damage. Store in a cool, dry place.
- **Battery Care:** To prolong battery life, avoid fully discharging the batteries frequently. If storing for extended periods, charge the units to approximately 50% every few months.
- **Cable Management:** Handle cables carefully to prevent kinks or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio output from receiver.	Units not powered on. Units not paired. Transmitter muted. Incorrect cable connection. Recording device input issue.	Ensure TX and RX are powered on. Check pairing status (indicator lights). Re-pair if necessary. Unmute the transmitter. Verify correct cable (TRS for camera, TRRS for smartphone) and secure connection. Check microphone input settings on your recording device.
Poor audio quality / excessive noise.	Interference. Microphone placement. Low battery.	Move away from strong Wi-Fi signals or other 2.4GHz devices. Ensure lavalier mic is positioned correctly (6-8 inches from mouth). Charge units fully.
Limited wireless range.	Obstructions. Interference.	Ensure clear line-of-sight between TX and RX. Minimize obstacles like walls or large metal objects. Avoid areas with high 2.4GHz traffic.

8. SPECIFICATIONS

Feature	Detail
Brand	Saramonic
Model Name	BLINK500T4
Wireless Frequency	2.4GHz
Operating Range	Up to 328 feet (100 meters) line-of-sight
Microphone Form Factor	Lavalier / Clip-on (built-in omnidirectional)
Polar Pattern	Omnidirectional
Frequency Response	20 KHz (upper limit, typical range is 20Hz-20kHz)
Signal-to-Noise Ratio	80 dB
Impedance	2.2 Ohm
Number of Channels	4
Power Source	Battery Powered (Lithium Ion)
TX Battery Runtime	Up to 12 hours

Feature	Detail
RX Battery Runtime	Up to 8 hours
Connectivity Technology	Wireless (2.4GHz), 3.5 mm Jack, USB Type-C
Compatible Devices	Camera, Laptop, Personal Computer, Smartphone, Voice Recorder
Material	Acrylonitrile Butadiene Styrene
Item Weight (TX/RX)	Approx. 1.1 oz (31g) per unit (based on compact design image)
Product Dimensions	9.92 x 3.07 x 6.3 inches (packaging dimensions)



Image: A visual showing the compact design of the Saramonic Blink 500 T4 transmitters (1.1 oz) and highlighting their long working time of up to 12 hours for TX units.

328FT/100M Transmission Range



Image: A graphic demonstrating the 328 feet (100 meters) transmission range of the Saramonic Blink 500 T4 wireless system, with a camera and a person at a distance.

9. WARRANTY AND SUPPORT

9.1 Limited Warranty

Saramonic products are typically covered by a limited warranty against defects in materials and workmanship for a specified period from the original date of purchase. Please refer to the official Saramonic website or your product's packaging for specific warranty terms and conditions, as these may vary by region and product type. This warranty does not cover damage caused by misuse, accident, unauthorized modification, or improper operation.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Saramonic customer support:

- **Website:** Visit the official Saramonic website for FAQs, support resources, and contact information.
- **Email/Phone:** Specific contact details can usually be found on the "Support" or "Contact Us" section of the Saramonic website.

When contacting support, please have your product model number (Blink500 T4) and proof of purchase readily available.

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