

RIX Storm S6R, Pocket K3

RIX 640x512 35mm Storm S6R (LRF) and RIX Pocket K3 Bundle User Manual

Comprehensive Guide for Your Thermal Imaging Devices

Brand: RIX | Models: Storm S6R (LRF), Pocket K3

INTRODUCTION

This manual provides detailed instructions for the operation, maintenance, and troubleshooting of your RIX 640x512 35mm Storm S6R (LRF) thermal imaging scope and RIX Pocket K3 thermal imaging monocular. Please read this manual thoroughly before using the devices to ensure proper function and safety.

KEY FEATURES

- **NETD <20 mK Sensor:** Next-generation thermal sensor with 640x512 resolution for reduced image noise and enhanced detail, even in high humidity.
- **Compact Laser Rangefinder (LRF):** Built-in LRF with a detection range up to 1,312 yards and ± 1.09 yards precision. Includes a free ballistic calculator for improved long-range accuracy.
- **Lightweight & Dual-Purpose Design:** The STORM series weighs approximately 1lb, allowing for comfortable handheld use. Includes a Quick Detach (QD) mount for easy rifle attachment.
- **Advanced Clarity Modes:** Sunny Mode reduces image noise, while Rain Mode boosts thermal sensitivity in high-humidity conditions.
- **Intuitive Operating System:** User-friendly interface with enlarged, four-directional buttons for easy operation, even with gloves.
- **High-Resolution OLED Display:** Both devices feature OLED displays for clear viewing.
- **Integrated Lens Cover:** For protection and convenience.
- **Wi-Fi Connectivity:** Connect to your smartphone for live streaming, firmware updates, and photo/video management.
- **Durable Construction:** Made from hard-anodized aluminum, capable of withstanding recoil from up to .375 H&H Magnum or 12-gauge shotgun. IP67 waterproof rating.

STORM S6R (LRF) THERMAL SCOPE

Components and Controls

The Storm S6R features an intuitive button layout and robust construction for reliable performance.

LRF & BALLISTIC CALCULATOR

The S6R feature a built-in laser rangefinder, redesigned with advanced technology to be more compact without adding weight or affecting usability.

Despite the smaller size, it still offers a detection range of up to 1312 yards and high-precision of ± 1 meters (1.09 yards) and includes a free ballistic calculator, significantly enhancing long-range shooting accuracy.



Image: RIX Storm S6R Thermal Scope showing the eyepiece, focus ring, control buttons, and laser rangefinder.

- **Eyepiece:** Rubberized for comfort and eye protection, especially during recoil. Features a diopter adjustment ring for fine-tuning to your eyesight.
- **Objective Lens:** 35mm lens with an integrated flip-open cover for protection.
- **Control Buttons:** Enlarged, four-directional buttons directly mapped to the user interface for easy navigation and function selection.
- **Laser Rangefinder (LRF):** Integrated on the side, capable of ranging distances up to 1,312 yards.
- **USB-C Port:** Located on the side, protected by a cover, for data transfer (video/photos/audio) and charging.
- **Picatinny Rail Mount:** Quick Detach (QD) mount on the bottom for easy attachment to a rifle.

Battery Installation and Power Supply

The Storm S6R operates on an 18650 rechargeable battery. The battery cavity is located at the rear of the device.

1. To access the battery compartment, turn the lever to align with the white dot and pull off the cap.
2. Insert the 18650 battery into the compartment, ensuring correct polarity.
3. Replace the cap and turn the lever to secure it.

The device offers approximately 5 hours of run time per battery. Two batteries provide 10 hours of run time.

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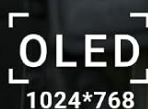
Video: Demonstrates battery installation and removal for the RIX Storm S6R thermal scope.

Operation

- **Power On/Off:** Press and hold the power button on the side to turn the optic on. To turn off, press and hold the power button for 3 seconds until a prompt appears on the screen.
- **Standby Mode:** Briefly press and release the power button to enter standby mode. Press again to exit standby.
- **Video Recording:** The device has a built-in video camera (1024x768 resolution) that records video and photos with audio. A timer appears on the screen during recording.
- **Wi-Fi Connectivity:** Connect the device to your smartphone via Wi-Fi (SSID: STORM_S6 R) to live stream, manipulate controls, and manage media files using the dedicated app.
- **Laser Rangefinder (LRF):** The integrated LRF provides precise distance measurements up to 1,312 yards. Ballistics can be programmed via the app for enhanced accuracy.
- **Image Modes:** The device offers various image modes (e.g., Black Hot, Red Hot, Green Monochrome, Color) to optimize visibility in different conditions. Sunny Mode and Rain Mode enhance clarity in specific environments.

ADVANCED THERMAL CLARITY IN EXTREME CONDITIONS

STORM's Sunny Mode cuts noise for razor-sharp detail. When humidity hits, Rain Mode amplifies thermal sensitivity—exposing hidden targets in rain or fog. See with precision, day or night.



Weather Mode On

Weather Mode Off



Image: Advanced thermal clarity in extreme conditions, demonstrating Sunny Mode and Rain Mode for enhanced detail.

SUPERIOR IMAGE QUALITY

S6R come with a $640 \times 512\mu\text{m}$ sensor, 35mm lens, and 1024×768 OLED display. After meticulous tuning, we've pushed the hardware to its full potential—delivering stunning image clarity. STORM models are equipped with RET (Resolution Enhancement Technology), doubling the visual clarity at 1x digital zoom and minimizing image blur and pixelation at higher digital magnifications.

2.0x



4.0x



6.0x



Image: Superior image quality at various digital zoom levels (2.0x, 4.0x, 6.0x) with Resolution Enhancement Technology (RET).

USER-FRIENDLY AND EASY TO OPERATE

The S6R connects to your phone via Wi-Fi, letting you use the app to view photos and videos, get the latest firmware updates, and more. It's compatible with a wide range of devices and is built to withstand tough environments and weather conditions effortlessly.



Image: User-friendly interface and Wi-Fi connectivity for app control and live streaming.

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Video: Preview of the RIX Storm S6R thermal scope in action, demonstrating various image modes and rangefinding capabilities.

RIX POCKET K3 THERMAL MONOCULAR

Overview and Portability

The RIX Pocket K3 is a compact and lightweight thermal imaging monocular, designed for easy portability and handheld use. It complements the Storm S6R for scouting and surveillance.



1 LB

**LIGHTWEIGHT AND
VERSATILE THERMAL SCOPE**

The lightest metal-housed thermal scope available, the S6R is made of aluminum alloy and weighs only 1 lb. It's compact and versatile, measuring just 5.3 x 2.5 x 2.2 inches. The S6R can also be used as a handheld device, perfect for those on a budget or wanting to use it with other gear simultaneously.

Image: The Storm S6R is shown to be lightweight at approximately 1lb, highlighting its versatility.

INTEGRATED LENS COVER



turn on



turn off

Image: RIX Pocket K3 with its integrated lens cover, demonstrating how it opens and closes.



HIGH-RESOLUTION OLED DISPLAY

Image: RIX Pocket K3 highlighting its high-resolution 800x600 OLED display.

INCREDIBLE LIGHTWEIGHT

0.47 lb

Only 4.9×1.8×2.9 inches in size, easily fitting into a pocket



Image: RIX Pocket K3 demonstrating its lightweight design (0.47lb) for easy pocket storage.

Battery and Operation

The Pocket K3 is powered by a replaceable 18650 battery. It features built-in 8GB memory for video and photo storage (mp4/jpg format) and Wi-Fi connectivity for app integration.

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Video: Preview of the RIX Pocket K2 (similar to K3) thermal monocular, demonstrating its compact size and basic controls.

Specifications

Feature	Storm S6R (LRF)	Pocket K3
Brand	RIX	RIX
Sensor Resolution	640x512	256x192
NETD	<20 mK	<25 mK
Objective Lens Diameter	35 mm	9 mm
Display Type	1024 OLED	800x600 OLED
Laser Rangefinder	Yes (up to 1,312 yards)	No
Video/Photo Recording	Yes (1024x768, mp4/jpg)	Yes (800x600, mp4/jpg)
Built-in Memory	Not specified (transfer via USB-C)	8 GB
Wi-Fi	Yes	Yes
Battery Type	18650 (rechargeable)	18650 (rechargeable)
Operating Time	Up to 5 hours (per battery)	Up to 7 hours
Degree of Protection	IP67 (Waterproof)	IP67 (Waterproof)
Material	Lightweight Metal/Alloy	Not specified (compact design)

Maintenance

- **Cleaning:** Use a soft, lint-free cloth (provided with Pocket K3) to clean the lenses and device body. Avoid abrasive materials.
- **Storage:** Store the devices in a cool, dry place when not in use. Remove batteries if storing for extended periods.
- **Battery Care:** Ensure batteries are charged regularly. Do not use modified or damaged batteries.
- **USB-C Port:** Always ensure the USB-C port cover is fully secured to maintain waterproofing.

Troubleshooting

- **Device Not Powering On:** Ensure the battery is correctly installed and fully charged. Long press the power button for 3 seconds.
- **Poor Image Quality:** Adjust the diopter and focus rings. Check the selected image mode (Sunny/Rain) for optimal clarity in current conditions.
- **Wi-Fi Connection Issues:** Ensure the device's Wi-Fi is enabled and your smartphone is within range. Restart both devices if necessary.
- **Data Transfer Problems:** Ensure the USB-C cable is securely connected.

Warranty & Support

RIX offers a comprehensive warranty for its products:

- **5-Year Warranty:** Thermal devices with detector resolutions of 384 or higher (e.g., Storm S6R).

- **3-Year Warranty:** Thermal devices with detector resolutions of 256 (e.g., Pocket K3).
- **3-Year Warranty:** Digital devices.

For customer service, please contact RIX directly:

Visit: www.rixoptics.com

Email: support@rix-mx.com

Call: +1 (800) 580-5281

Please provide your feedback and experience to help RIX improve its products and services.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question