iProtec RM230-LSR

iProtec RM230-LSR Rail Mount Firearm Combo Light/Laser Manual

Model: RM230-LSR | Brand: iProtec

Product Overview

The iProtec RM230-LSR is a versatile rail-mounted firearm accessory combining a powerful 230-lumen white light with a precise red laser sight. Engineered for durability, it features an anodized aircraft-grade aluminum construction, making it water and impact-resistant. Its adjustable hinge mount allows for quick, tool-free attachment to most standard rail-equipped pistols and long guns, though it is not suitable for subcompact models. The device offers multiple operational modes, including high light, low light, strobe, and laser, controlled by convenient ambidextrous switches. A laser adjustment Allen tool and one CR123A battery are included.



Figure 1: Front view of the iProtec RM230-LSR device.

Setup Guide

Battery Installation

The iProtec RM230-LSR requires one CR123A battery (included). To install or replace the battery:

1. Unscrew the tail cap of the device.
2. Insert the CR123A battery with the positive (+) end facing towards the light head.
3. Securely screw the tail cap back on until it is hand-tight.

Mounting the Device

The RM230-LSR features an adjustable hinge mount for easy attachment to standard firearm rails. No tools are required for mounting.

1. Loosen the mounting screw on the side of the device.
2. Align the device's rail clamp with your firearm's accessory rail.
3. Press the device onto the rail and tighten the mounting screw by hand until secure. Ensure the device is firmly attached and does not wobble.

4. **Note:** This device is designed for standard rail-equipped pistols and long guns and does not fit subcompact models.



Figure 2: Bottom view of the iProtec RM230-LSR, highlighting the adjustable rail mount.

Operating Instructions

The RM230-LSR features ambidextrous on/off switches located on both sides of the device for convenient operation by left-handed or right-handed users.

Light Modes

The device offers four distinct light modes: High, Low, Strobe, and Laser. To cycle through the light modes:

- **Single Press:** Press and release either of the side switches to turn the light on in High mode. Press again to cycle to Low mode, then to turn off.
- **Double Press:** From the off position, quickly double-press either switch to activate the Strobe mode.



Figure 3: The iProtec RM230-LSR mounted on a firearm, demonstrating the active white light.

Laser Operation

The integrated red laser sight can be activated independently or in conjunction with the light modes.

- **Laser Activation:** Press and hold either side switch for approximately 2 seconds to activate the red laser.
- **Laser Deactivation:** Press and hold either side switch again for 2 seconds to turn off the laser.
- **Laser Adjustment:** Use the included Allen tool to adjust the laser's windage and elevation for precise aiming. Adjustment screws are located on the top and side of the laser module.



Figure 4: The iProtec RM230-LSR mounted on a firearm, showing the active red laser.

Maintenance

Cleaning

To maintain optimal performance, keep the device clean. Use a soft, dry cloth to wipe down the exterior. For the lens and laser aperture, use a lens cleaning cloth and solution designed for optics to avoid scratching.

Battery Replacement

Replace the CR123A battery when the light output diminishes or the device fails to power on. Refer to the 'Battery Installation' section for detailed steps.

Troubleshooting

Problem	Possible Cause	Solution
Device not turning on.	Dead or improperly installed battery.	Check battery orientation; replace battery if necessary.
Light is dim or flickers.	Low battery or loose connections.	Replace battery. Ensure tail cap is securely tightened.
Laser not visible or misaligned.	Laser off, obstructed, or needs adjustment.	Ensure laser is activated. Clear any obstructions from the laser aperture. Use the Allen tool to adjust the laser.
Device slides on rail during use.	Mounting screw is loose or incompatible rail.	Ensure mounting screw is tightened securely. Verify firearm rail is standard size and not a subcompact.

Technical Specifications

Feature	Specification
Model Name	RM230-LSR Gun Light + Red Laser
Light Source Type	LED
White Brightness	230 Lumens
Light Path Distance	110 Meters
Runtime	2 hours
Power Source	Battery Powered
Battery Type	1 CR123A (included)
Material	Anodized Aircraft-Grade Aluminum
Color	Black
Item Weight	3.8 ounces
Water Resistance Level	Water Resistant
Mounting Type	Rail
Special Feature	Lightweight

Warranty and Support

Warranty Information

The iProtec RM230-LSR comes with a 1-year manufacturer's warranty. Please retain your proof of purchase for

warranty claims.

Customer Support

For further assistance, technical support, or warranty inquiries, please refer to the contact information provided on the iProtec official website or product packaging.

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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.

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