

Lawmate RD-30

Lawmate RD-30 Pocket RF Detector

INSTRUCTION MANUAL

Model: RD-30 | Brand: Lawmate

1. Introduction

The Lawmate RD-30 is a compact, multi-functional RF detection device designed to identify both transmitting and non-transmitting hidden cameras. This updated model offers enhanced capabilities, including the detection of wired signals in addition to wireless transmissions. Its portable design makes it an ideal tool for discreet surveillance sweeps.

2. Key Features

- **Three Detection Modes:** Wireless RF detection, Wired signal detection, and Hidden Camera Lens Finder.
- **Wireless Detection:** Identifies radio frequency transmissions from wireless cameras and other bugging devices.
- **Wired Detection:** Capable of detecting signals from wired cameras.
- **Hidden Camera Lens Finder:** Utilizes a series of bright LEDs to locate camera lenses, even if the camera is not transmitting.
- **Adjustable Sensitivity:** Features low and high sensitivity settings for precise detection in various environments.
- **Compact and Portable:** Small form factor for easy carrying and discreet use.

3. Package Contents

Before use, please ensure all items are present:

- Lawmate RD-30 Pocket RF Detector unit
- AAA Batteries (2 included)

4. Setup

4.1 Battery Installation

The RD-30 requires two AAA batteries for operation. Follow these steps to install them:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover downwards to open the compartment.
3. Insert two AAA batteries, ensuring correct polarity (+ and - terminals match the markings inside the compartment).
4. Replace the battery compartment cover by sliding it upwards until it clicks into place.

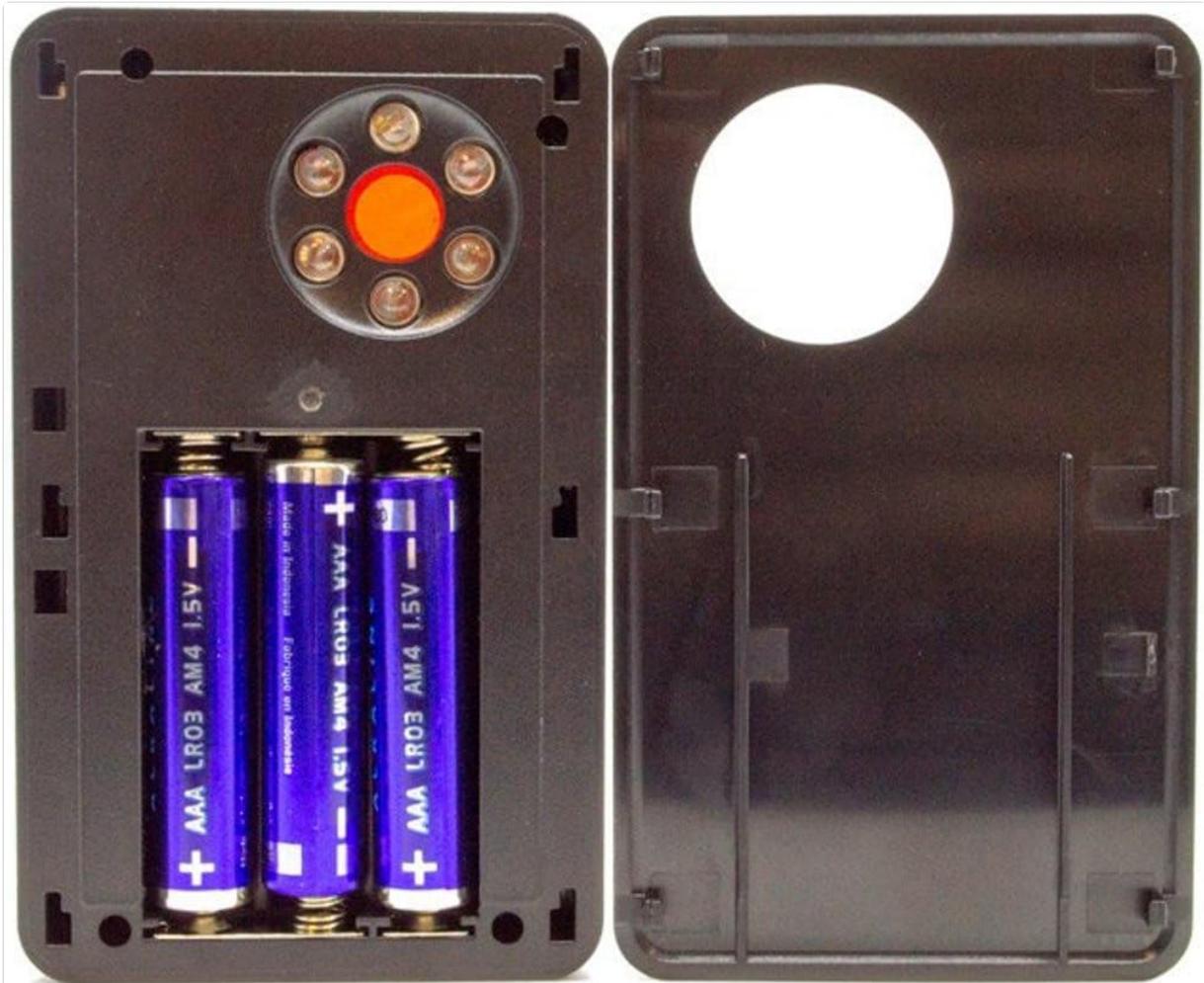


Figure 1: Battery compartment with batteries installed.

4.2 Device Overview

Familiarize yourself with the controls and indicators on your RD-30 detector.



Figure 2: Top view of the RD-30 controls and indicators.



Figure 3: Side view of the RD-30 toggle switches.

5. Operating Instructions

The RD-30 offers three primary detection functions: Wireless, Wired, and Lens Finder. It also features adjustable sensitivity.

5.1 Powering On/Off

To power on the device, select a detection mode using the switches on the side. To power off, set all detection mode switches to the 'Off' position.

5.2 Wireless Detection Mode

This mode is used to detect radio frequency (RF) signals emitted by wireless cameras, microphones, and other transmitting devices.

1. Set the 'Detection Mode' switch to 'Wireless'.
2. Select 'High Sensitivity' or 'Low Sensitivity' based on your environment. Start with 'High Sensitivity' for a broad scan, then switch to 'Low Sensitivity' for pinpointing.
3. Slowly sweep the area, moving the detector around objects and walls.
4. Observe the LED indicator bar. An increase in illuminated LEDs indicates a stronger RF signal.
5. The device may also vibrate if a signal is detected, depending on settings.

5.3 Wired Detection Mode

This mode helps identify wired cameras and other devices that may not transmit wirelessly but still emit detectable signals.

1. Set the 'Detection Mode' switch to 'Wired'.
2. Adjust sensitivity as needed.
3. Sweep the detector close to potential hiding spots, electrical outlets, and wiring.
4. Monitor the LED indicator bar for signal strength.

5.4 Hidden Camera Lens Finder

This feature uses bright red LEDs to reflect off camera lenses, making them visible to the user through the viewer.

1. Set the 'Finder Viewer' switch to 'On' for continuous illumination or 'Blink' for flashing LEDs.
2. Look through the red viewing port on the device.
3. Slowly scan the area, paying close attention to dark or obscured spots.
4. A camera lens will appear as a bright, reflective red dot when viewed through the port.



Figure 4: RD-30 with Hidden Camera Lens Finder active.

5.5 Sensitivity Adjustment

The 'Low Sensitivity' and 'High Sensitivity' switches allow you to fine-tune the detector's range and precision.

- **High Sensitivity:** Use for initial broad sweeps of a room or large area. This setting will detect weaker signals from a greater distance.
- **Low Sensitivity:** Use to pinpoint the exact location of a detected signal. Once a signal is found on high sensitivity, switch to low and move closer to narrow down the source. This helps reduce false positives from distant or weak interference.

5.6 General Usage Tips

- For best results, conduct sweeps in quiet environments with minimal electronic interference. Consider turning off Wi-Fi routers, cell phones, and other non-essential electronics in the immediate area.
- Move slowly and methodically when sweeping an area.
- Pay attention to areas like smoke detectors, air vents, wall decorations, power outlets, and furniture.
- The pull-out antenna is delicate; handle it with care to prevent bending or damage.

6. Maintenance

6.1 Battery Replacement

When the device's performance degrades or the indicator lights dim, it's time to replace the AAA batteries. Follow the installation steps in Section 4.1.

6.2 Cleaning

Wipe the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these can damage the unit.

6.3 Storage

Store the RD-30 in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the batteries to prevent leakage.

7. Troubleshooting

If you encounter issues with your Lawmate RD-30, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with fresh AAA batteries.
Frequent false positives or inconsistent detection.	High environmental RF interference (Wi-Fi, cell phones, smart meters, etc.). Incorrect sensitivity setting.	Turn off non-essential electronics in the area. Use 'Low Sensitivity' for pinpointing. Conduct sweeps in isolated areas.
Weak or no detection of known RF sources.	Low battery power. Incorrect detection mode. Antenna damage.	Replace batteries. Ensure 'Wireless' mode is selected. Inspect the pull-out antenna for damage; handle with care.
Lens finder LEDs do not illuminate.	'Finder Viewer' switch is off. Low battery power.	Ensure 'Finder Viewer' switch is set to 'On' or 'Blink'. Replace batteries.
Difficulty locating camera lenses with the finder.	Scanning too quickly. Not looking directly through the viewer.	Scan slowly and methodically. Ensure your eye is aligned with the viewing port. Adjust your angle to catch reflections.

8. Specifications

- **Model Number:** RD-30

- **Package Dimensions:** 6.1 x 5 x 1.65 inches
- **Item Weight:** 8.1 ounces
- **Batteries:** 2 AAA batteries (included)
- **Frequency Bands Supported:** 20MHz - 6GHz
- **Power Source:** Battery Powered
- **Display Type:** LED
- **UPC:** 794604441771

9. Warranty Information

Warranty details for the Lawmate RD-30 Pocket RF Detector are not provided within this instruction manual. Please refer to your purchase documentation or contact the retailer for specific warranty terms and conditions.

10. Customer Support

Contact information for customer support is not provided within this instruction manual. For assistance, please refer to the contact details provided by your retailer or visit the official Lawmate website.