

Multi-Function Privacy Security Detection Device · User Manual

Product Overview

Product Introduction

This device is a 2.4G wireless signal detection device designed for critical venues. Its detection band is **2400–2483.5MHz**. By detecting Wi-Fi hotspots and online terminal devices in the environment, it helps inspectors find and locate hidden wireless eavesdropping and covert surveillance devices.

Main Functions

- ▶ **Quick Scan:** one-tap screening for 2.4G Wi-Fi hotspots and connected terminals in the environment
- ▶ **Professional Detection Task:** complete venue 2.4G signal detection following a standardized workflow and generate an integrated analysis report
- ▶ **Wi-Fi Signal Detection:** parses SSID, MAC address, estimated distance, channel, signal power and device vendor
- ▶ **Terminal Signal Detection:** detects online terminal devices attached to Wi-Fi hotspots
- ▶ **Approaching-Assisted Locating:** gradually approach the signal source based on signal strength variation
- ▶ **Whitelist Management:** add verified-safe signals to the whitelist so they no longer trigger alarms
- ▶ **Integrated Analysis Report:** aggregate detection data and generate an exportable analysis report

Operating Instructions

Panel Function Introduction

Interface description is as follows:

No.	Name	Function
①	TYPE-C Port	Charging and report export via USB drive
②	Power Button	Power on/off
③	Volume Key	For volume adjustment
④	Wrist Strap	For handheld operation, preventing accidental device drops

No.	Name	Function
⑤	S/N	Device serial number identifier

Power On and Login

Long-press the **Power Button** on top of the device to power on.

The login screen provides two operator roles, **Administrator** and **Auditor**. The initial login password for both roles is **123456**.

Home

After logging in, you enter the Home screen. The Home screen integrates the 2.4G signal detection functions in a grid layout, allowing quick launch of specialized detections.

Interface layout:

- **Top Status Bar:** logged-in account, system time, remaining battery, current operating mode
- **Function Menu Area:** entries for 2.4G signal detection such as Quick Scan and Professional Detection Task, shown as colored circular icons with text labels
- **Operation Navigation Area:** Back, Home, Gallery, Wizard, Settings Center, Report Management, Screenshot

The **Settings Center** supports configuring alarm thresholds for Wi-Fi signals and terminals (indoor/outdoor grouping and the alarm field strength for each level) to reduce false positives, and allows changing the login password, configuring Quick Scan parameters, adjusting alert tones and vibration, and viewing device local parameters.

Detection Sequence



Standard fixed detection sequence:

Quick Scan survey → Wi-Fi Signal Detection → Wi-Fi Terminal Signal Detection → Generate and export the detection report



Flexible detection note: During actual inspection, operators may adjust the detection items and their order according to the site environment and detection requirements. A fixed sequence is not mandatory.

Power Off and Charging

Long-press the Power Button on top of the device and select **Power Off / Restart** in the on-screen dialog. Connect the charging cable to the Type-C Charging Port on top of the device. When using an external power supply, use the supplied adapter or a compliant adapter with CCC certification.

Quick Scan

- ① On the Home screen, tap **Quick Scan** to enter one-tap environmental electromagnetic security detection. It quickly detects 2.4G Wi-Fi hotspots and connected terminals in the space.
 - ② Tap **Start**. The system automatically begins detection and performs intelligent analysis and risk assessment based on signal risk levels.
 - ③ Results are displayed on the device in real time. You can trace and locate the risky signal source by approaching it.
 - Tap **Not Now** to exit the one-tap detection screen
 - Tap **Rescan** to clear the current data and start a new round of full-area detection
 - Tap **Trust** for known devices, or **Locate** for unknown ones to perform assisted locating and inspection
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Professional Detection Task Mode

Based on the **Professional Detection Task** module, standardized 2.4G wireless signal inspections of a venue can be carried out.

Entering the Function

On the Home screen, tap **Professional Detection Task** to enter the standardized inspection page, and enter the inspection location (format examples: Floor - Meeting Room, Room No., etc.).

Conducting On-Site Detection Item by Item

Follow the preset workflow to inspect Wi-Fi hotspots and terminal signals in turn, and register detection points and abnormalities item by item.

Generating and Handling the Detection Report

- ① Tap **Generate Report**; the system automatically generates an integrated data analysis document;
- ② Preview the full report and manually add remarks based on the actual site conditions;
- ③ After verification, tap **Export** to save the report to the local device;
- ④ All historical reports are reviewed and managed under **Integrated Analysis Report**.

To move to the next venue, tap **Reset** to clear all detection data of the current round and create a new detection task.

2.4G Signal Detection

On the Home screen, tap **WiFi / Terminal Detection** to enter this function, which detects Wi-Fi hotspots and online terminal devices in the environment over a detection band of **2400-2483.5MHz**.

Wi-Fi Signal Detection

On the Home screen, tap **WiFi / Terminal Detection** to enter the function, which detects 2.4G Wi-Fi hotspots and online terminal devices in the environment.

- ① The list displays the Wi-Fi information found in the area, including SSID name, MAC address, estimated distance, channel, signal power and device vendor.
- ② The list can be sorted by distance, channel or signal power.
- ③ Check the **Suspected Indoor Signal** list; signals whose source is closer require priority inspection.

Distance column color legend:

- Red: closest (priority inspection)
- Yellow: medium distance
- Green: farther away

Wi-Fi Signal Detection - Details

Tap **Details** to view complete hotspot information, including Wi-Fi name, MAC address, encryption method, channel, operating band, connected terminals and topology.

- **Central node:** Wi-Fi wireless router (AP hotspot)
- **Branch nodes:** wireless terminals connected to the hotspot, such as phones, cameras and recording devices

Tap **Locate** to enable approaching-assisted locating and quickly find the suspicious signal source.

Wi-Fi Signal Detection - Locating

You can view the hotspot name, MAC address, channel and signal power, and use approaching-assisted locating to find the signal source. Tap the edit button to set a custom alias for the Wi-Fi hotspot; tap **Enable Jamming** to block the Wi-Fi.

 The jamming function must be used in compliance with local laws and regulations. It is strictly prohibited to interfere with other users' normal network communications.

Approaching-assisted locating color legend:

- Red: strong signal, signal source close by
- Yellow: medium signal, signal source at moderate distance
- Green: weak signal, signal source farther away

Keep observing the color change on the mobile device and move in the direction where the red signal strengthens, gradually approaching the signal source.

Wi-Fi Signal Detection - Whitelist

- ① Tap **Trust** to add the hotspot to the Wi-Fi Signal Whitelist; the signal is grouped under the whitelist page and no longer triggers an alarm;

- ② Tap **Wi-Fi Signal Whitelist** to view the whitelist; whitelisted signals are shown in green;
- ③ Tap **Untrust** to remove the hotspot. The signal reappears on the detection page and triggers an alarm when it exceeds the alarm threshold.

Wi-Fi Terminal Signal Detection

- ① On the Home screen, tap **WiFi / Terminal Detection - Terminal Signal Detection** to detect terminal devices attached to Wi-Fi hotspots;
- ② The list shows the topology between the Wi-Fi SSID and the terminal, distance, channel number, power and terminal vendor;
- ③ The list can be sorted by distance, channel or signal power;
- ④ Tap **Locate** to enable approaching-assisted locating for terminals and to view locating history.

Wi-Fi Terminal Signal Detection - Locating

In the approaching-assisted locating interface, you can view the device MAC address, the currently connected Wi-Fi name, the corresponding Wi-Fi MAC address, device vendor, center frequency and channel number.

Wi-Fi Terminal Signal Detection - Whitelist

- ① Tap **Trust** to add the terminal signal to the whitelist; it no longer triggers an alarm;
- ② Tap **Terminal Signal Whitelist** to view the list; whitelisted terminals are shown in green;
- ③ Tap **Untrust** to remove it.

Integrated Analysis Report

Viewing Reports

On the Home screen, tap **Integrated Analysis Report** to view all completed historical reports.

Generating a Report

- ① Tap **Details** in report management to open the report preview;
- ② Tick the risk points to keep as records and export them. For devices found during inspection, enter remarks in the remarks field and note the device type, such as camera or router;
- ③ After selecting the required report content, tap **Export** to save the report locally. Saved reports can later be viewed via the **Integrated Analysis Report** entry on the Home screen.

System Settings

On the Home screen, tap **System Settings** to enter the system settings page. The settings center supports setting the alarm thresholds of Wi-Fi signals and terminals to reduce false positives, and also provides Change Password, Quick Scan Configuration, Sound & Haptics and About Device.

Alarm Threshold

Alarm Threshold Setting supports configuring indoor/outdoor grouping rules and alarm field strength for Wi-Fi signals and terminals.

- ▶ **Threshold ①**: marks suspected indoor field strength signals. For example, in a Wi-Fi scenario, set the Wi-Fi threshold to **-50dBm** for a venue of about 40 m²; hotspot signals with power above **-50dBm** are grouped into the Suspected Indoor Signal list. Adjust the threshold flexibly according to the site area.
- ▶ **Threshold ②**: for close-range hotspot monitoring; a sound alarm is triggered when the signal field strength exceeds the set value.
- ▶ **Threshold ③**: the signal monitoring threshold. If set to **-50dBm**, bands with field strength above this value are recorded in the Signal List for later locating.

Change Password

Change Password allows changing the login passwords of the Administrator and Auditor accounts.

Quick Scan Configuration

Quick Scan Configuration allows customizing the duration of the Quick Scan mode.

Sound & Haptics

Sound & Haptics allows enabling or disabling the sound alarm and vibration alarm.

About Device

About Device shows the device hardware and software configuration parameters, and supports firmware upgrade and detection data backup.

Audit Log

Log in with the Auditor account and tap **Audit Log** on the Home screen to view the system audit log list.

Tap **All** to filter the audit log time range. Available ranges include all periods, 3 months, 6 months, 9 months and 1 year.

User Notice



Dear user, thank you for purchasing this product! To ensure safe use, stable performance and a long service life, please read and strictly follow the notices below.



Important Note



This document is updated continuously along with product software and hardware iterations, without separate notice. Due to factors such as model configuration, firmware version and regional compliance requirements, the actual interface, function layout and operation path of your device may differ from the screenshots in this document. In case of any discrepancy, please refer to the latest on-screen prompts of your device and the latest document on the official Wiki.

Operating Environment

1. The standard operating temperature of this device is **-15°C ~ +45°C**; please use it within this temperature range;
2. Keep the device away from water and oil, and avoid drops and impacts, so that foreign matter contamination or physical damage does not affect overall performance;
3. Do not operate in strong magnetic fields or high-vibration environments, to avoid external interference with signal identification and detection accuracy, and to prevent damage to internal components.

Usage Precautions

1. Operate the device strictly according to this manual. Do not disassemble or modify the internal structure or accessories without authorization; improper operation will cause device failure and void after-sales service;
2. Before charging the device, switch off all function modules. Never use the device while charging, to avoid electrical safety hazards and protect the battery and circuitry;
3. Do not operate the device with a depleted battery or under overload, and keep it away from flammable, explosive and high-temperature environments to avoid accidents and device damage.

Maintenance

1. Clean and maintain the device body and external accessories regularly to keep the device tidy and ensure stable operation of all functions;
2. Use dedicated cleaning tools. Never wipe the device with corrosive chemical reagents;
3. If the device is left unused for a long time, store it in a dry, dark and ventilated place to prevent moisture, direct sunlight and dust, extending the device's service life.

FCC Warning:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
- Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential

installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.