KJB DD1206

KJB DD1206 iProtect Digital RF Detector User Manual

Model: DD1206 | Brand: KJB

1. PRODUCT OVERVIEW

The KJB DD1206 iProtect Digital RF Detector is a sophisticated handheld device designed for detecting various wireless protocols. Unlike typical searching devices, it can detect modern hidden bugs that use protocols such as Bluetooth and Wi-Fi at a long distance. The DD1206 utilizes a separate channel with a high (2.4/5 GHz) frequency pre-selector to detect and locate Bluetooth and Wi-Fi with significantly higher sensitivity. Additionally, the unit can detect all classical bugs and analyze them for correlation by sending sound impulses, as well as other digital transmissions (GSM, LTE, 3G, 4G, 5 GHz, DECT, etc.). This device incorporates the ability to detect nearly any type of wireless protocol, including digital frequencies like Wi-Fi and analog frequencies, reaching up to 12 GHz in range.

Key Features:

- Wide-band antenna for comprehensive signal detection.
- Micro-Pointer microwave antenna for enhanced sensitivity to signals above 2 GHz, including Bluetooth, Wi-Fi 2.4 GHz, Wi-Fi 5GHz, and wireless video cameras.
- 16-segment bargraph indicator for clear signal strength visualization.
- Three alert modes: sound, vibration, and mixed, for discreet or audible alerts.
- Correlation function to identify FM transmitters by analyzing probing sound.
- Two levels of sensitivity (attenuator) for precise signal location.

Figure 1: The KJB DD1206 iProtect Digital RF Detector highlighting its capabilities for detecting RF, GSM, Bluetooth, Wi-Fi, and Wi-Max signals.

2. SETUP AND ASSEMBLY

Before operating the DD1206, ensure proper battery installation and antenna attachment.

2.1 Battery Installation

1. Locate the battery compartment on the rear of the device.
2. Open the compartment cover.
3. Insert two AAA batteries (2xLR 03), ensuring correct polarity.
4. Close the battery compartment cover securely.

2.2 Antenna Attachment

The DD1206 comes with two types of antennas:

- **Wide-band antenna:** Connects to the ANT1 socket for general frequency detection (50-12000 MHz).
- **Micro-Pointer microwave antenna:** Connects to either ANT1 or ANT2 socket for enhanced detection of higher frequencies (2.4-2.48 GHz, 4.9-5.875 GHz). This antenna is particularly effective

for Bluetooth and Wi-Fi signals.

1. Gently screw the desired antenna into the appropriate socket (ANT1 or ANT2) until finger-tight. Do not overtighten.

Figure 2: The DD1206 device and its components, including the wide-band antenna and the Micro-Pointer microwave antenna.

3. OPERATING INSTRUCTIONS

This section details how to operate your DD1206 detector for effective signal detection.

3.1 Powering On/Off

- To power on, press and hold the **POWER** button until the display illuminates.
- To power off, press and hold the **POWER** button again until the display turns off.

3.2 Antenna Selection

The device allows switching between antennas for different detection scenarios.

- Use the **ANT1** button to select the wide-band antenna.
- Use the **ANT2** button to select the Micro-Pointer microwave antenna.
- The active antenna will be indicated on the display.

3.3 Sensitivity Adjustment (Attenuator)

The attenuator provides two levels of sensitivity to help pinpoint signal sources more quickly.

- Press the **ATT+** button to increase sensitivity.
- Press the **ATT-** button to decrease sensitivity.
- Adjust sensitivity to avoid saturation in areas with strong background RF noise, or to detect weaker signals.

The attenuator delivers two levels of sensitivity and makes the location procedure faster.

Figure 3: Adjusting the attenuator for optimal sensitivity during detection.

3.4 Alert Modes

The DD1206 offers three distinct alert modes:

- **Sound Mode:** Audible alerts indicate signal detection and strength.
- **Vibration Mode:** Discreet vibration alerts for silent operation.
- **Mixed Mode:** Combines sound and vibration alerts.

Press the **MODE** button to cycle through these options.
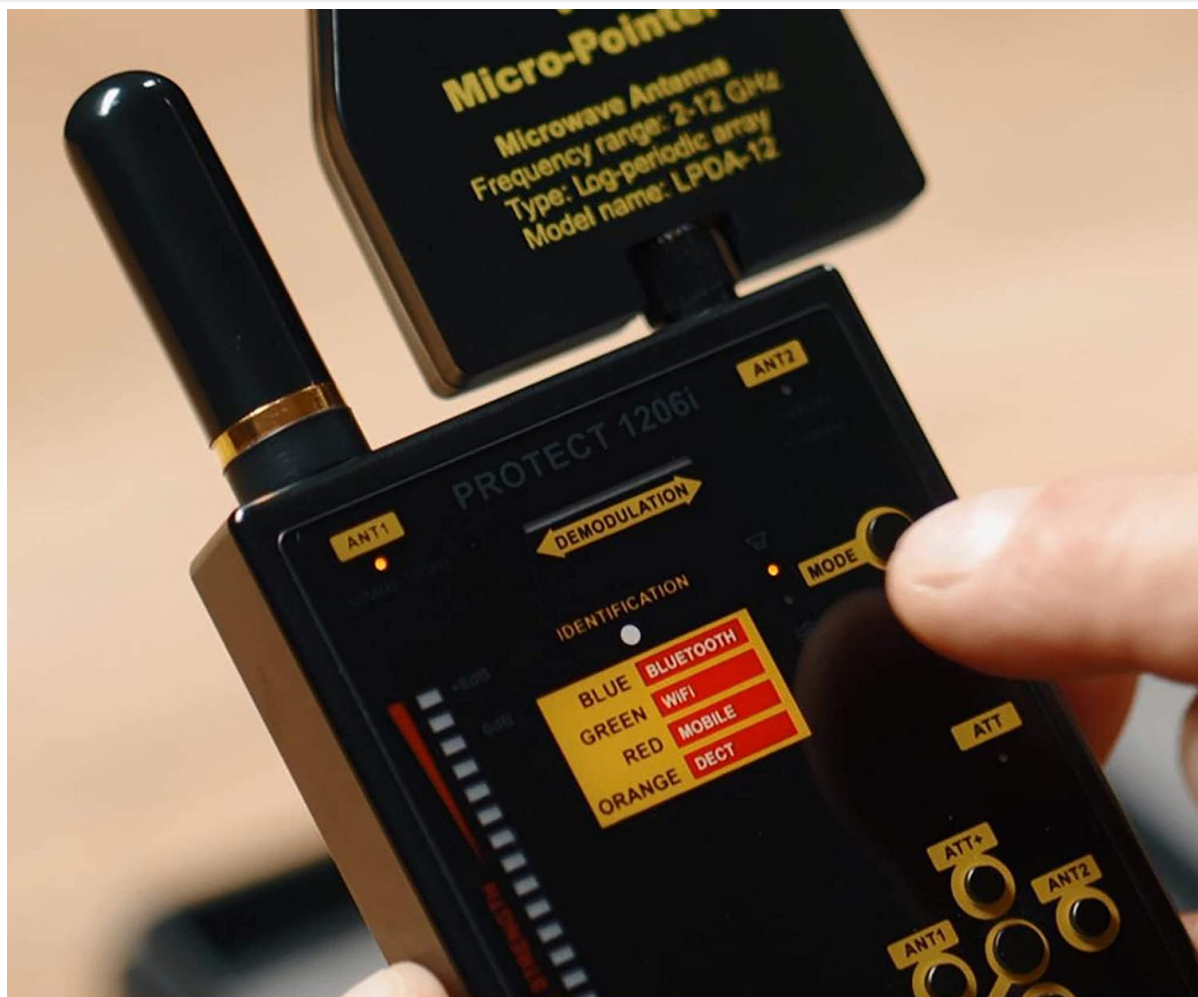
Figure 4: Switching between sound, vibration, and mixed alert modes.

3.5 Interpreting the Bargraph and Identification

- The 16-segment bargraph displays the detected signal strength. More illuminated segments indicate a stronger signal.
- The **IDENTIFICATION** section on the display provides an indication of the detected signal type (e.g., Bluetooth, Wi-Fi, Mobile, DECT).
- Move the device slowly around the area of interest. A rising bargraph and specific identification suggest proximity to a signal source.

Figure 5: The DD1206 display showing signal strength on the bargraph and identified signal types.

3.6 Using the Micro-Pointer Antenna

The Micro-Pointer antenna is designed for directional detection of higher frequency signals.

- Attach the Micro-Pointer antenna to either ANT1 or ANT2.
- Point the antenna in different directions to locate the strongest signal, indicated by the bargraph. The arrow on the antenna indicates the direction of maximum sensitivity.
- This antenna is particularly useful for pinpointing Wi-Fi and Bluetooth devices.

The Micro-Pointer antenna is 2-4 times more senstive to all signals above 2GHz.

Figure 6: The Micro-Pointer antenna enhances detection of signals above 2 GHz, aiding in precise location.

3.7 Correlation Function

The correlation function helps identify FM transmitters by analyzing the presence of a probing sound.

- Activate the correlation function by pressing the **CORR** button.
- Listen for changes in the audio output or observe the display for indications of correlation, which suggests an FM transmitter is present.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DD1206 detector.

4.1 Cleaning

- Wipe the device with a soft, dry cloth.
- Do not use liquid cleaners or solvents, as these may damage the device.

4.2 Battery Replacement

- When the "Low battery" indicator appears, replace both AAA batteries promptly.
- Refer to Section 2.1 for battery installation instructions.

4.3 Storage

- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries if storing for extended periods to prevent leakage.

5. TROUBLESHOOTING

If you encounter issues with your DD1206, 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.
No signal detected or weak signal.	Incorrect antenna selected; sensitivity too low; signal source too far.	Ensure the correct antenna is attached and selected (ANT1 for wide-band, ANT2 for Micro-Pointer). Increase sensitivity using ATT+. Move closer to the suspected source.
Device overheats or loses signal.	Prolonged use in high temperatures; internal malfunction.	Allow the device to cool down. If the problem persists, contact customer support.
False alarms or constant high signal.	High background RF noise; sensitivity too high.	Decrease sensitivity using ATT-. Move to an area with less ambient RF interference.

6. SPECIFICATIONS

Detailed technical specifications for the KJB DD1206 iProtect Digital RF Detector.

Brand	KJB
Model Number	DD1206
Frequency Range (Antenna 1)	50 - 12000 MHz
Frequency Range (Antenna 2)	2.4 - 2.48 GHz, 4.9 - 5.875 GHz

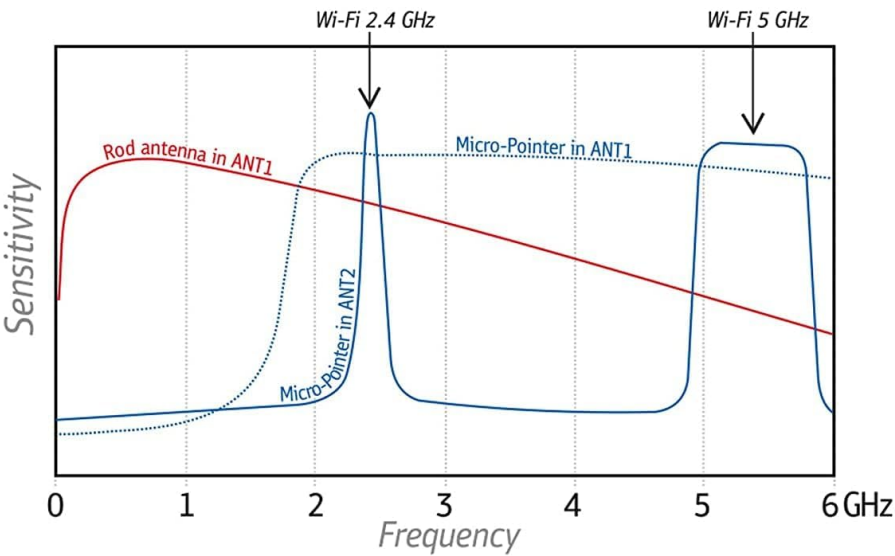| Power Source	2 x AAA batteries (LR 03)
Current Consumption	Up to 30mA
Operation Duration	Up to 20 hours
Indications	Active antenna, Low battery, Mode, Identification, Attenuator, Secondary demodulation
Dimensions (W/o antennas)	120 x 70 x 16 mm
Dimensions (W/ antennas)	210 x 70 x 16 mm
Material	Metal
Item Weight	6 Ounces (approx. 170g)
International Protection Rating	IP66

Figure 7: Sensitivity graph illustrating the detection capabilities of the wide-band (rod) antenna and the Micro-Pointer antenna across different frequency ranges.
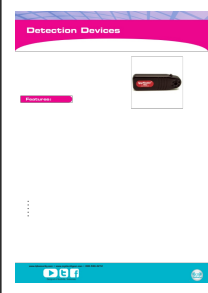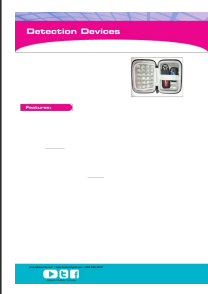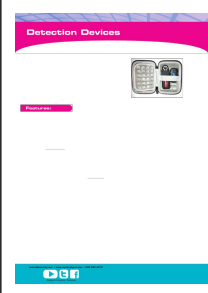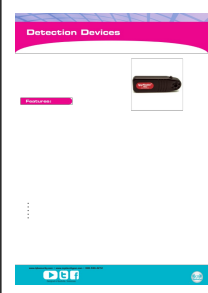
7. WARRANTY AND SUPPORT
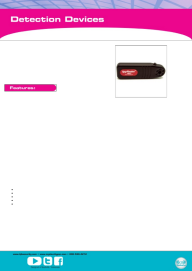
Information regarding product warranty and customer support was not provided in the available product data. For warranty details, technical assistance, or service inquiries, please contact KJB Security directly or refer to the documentation included with your purchase.

You may also visit the official KJB Security website for the most up-to-date support information.

Related Documents - DD1206

[SpyFinder Pro SF-103P Hidden Camera Detector for Privacy Protection](#)
The SpyFinder Pro SF-103P is a lightweight, battery-powered device designed to quickly identify and locate hidden cameras, both wired and wireless, transmitting or not. Ensure your privacy in hotels, AirBnBs, and other public spaces with this easy-to-use detection tool.

[Road Warrior Kit: Portable Counter Surveillance & Skimmer Detection](#)
The KJB Security Road Warrior Kit (DD1020) combines the SpyFinder Pro hidden camera detector and deScammer credit card skimmer detection device into one portable solution for travelers to protect against identity fraud and privacy breaches in hotels, Airbnbs, and at ATMs or gas pumps.

[Road Warrior Kit: Portable Hidden Camera & Skimmer Detection](#)
The Road Warrior Kit (DD1020) by KJB Security combines the SpyFinder Pro hidden camera detector and deScammer credit card skimmer detector into one portable solution for identity fraud and privacy breach protection during travel.

[SpyFinder Pro Hidden Camera Detector - KJB Security SF-103P](#)
The KJB Security SpyFinder Pro (SF-103P) is a compact, battery-powered device designed to quickly locate hidden wired and wireless cameras by highlighting their lenses with ultra-bright LEDs, ensuring privacy in any location.

[Spy Finder Pro SF-103P Hidden Camera Detector](#)

The SpyFinder Pro SF-103P is a lightweight, battery-powered device designed to quickly identify and locate hidden cameras, both wired and wireless, by highlighting their lenses with ultra-bright LEDs. It offers peace of mind against privacy intrusions in various settings.

[SpyFinder Pro Hidden Camera Detector | Privacy Protection Device](#)

The SpyFinder Pro (SF-103P) is a portable, battery-powered device designed to quickly detect and locate hidden cameras, both wired and wireless, transmitting or not. It uses ultra-bright LEDs to highlight camera lenses, offering peace of mind in private spaces.

Documents - KJB – DD1206

[pdf] Specifications

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iProtect Digital RF Detector Item: **DD1206** The iProtect 1206i is a new class of counter surveillance device. Unlike all typical searching devices it can detect modern hidden bugs which use such protocols as Bluetooth and Wi-Fi at a long distance. Such bugs, especially Bluetooth types, are practic...

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KJB Security Products Official Price List - Surveillance & Detection Equipment

Explore the comprehensive KJB Security Products price list, featuring a wide range of surveillance and detection equipment including temperature cameras, hidden cameras, DVRs, GPS trackers, audio security devices, and advanced counter-surveillance tools. View MSRP, MAP, Price 1, and Price 2 for all models.

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