

SPECIFICATION & INSTRUCTIONS

SNIFFER PRO

DATE

04 JULY 2026

VERSION

1.0

BASIC OVERVIEW

DIMENSIONS

DIMENSIONS - TBC

WEIGHT - 1KG

MATERIAL - Aluminium

PORTS:

1x Near-Field Probe Antenna

Hi-Speed USB C Charging

FIRMWARE

- Range - 1MHz to 6GHz
- Multi-region
- Various Range RX Control
- Frequency Band Identification
- Up to 20 million samples per second

BATTERY

0%-100% Charge Time: Approx 45 mins

Battery Run Time: Approx 2hrs 40mins



SUMMARY

Our localised RF detector has a number of functions designed to help TSCM operators to establish what radio frequencies are being emitted nearby.

INTRODUCTION

OVERVIEW

The Calibre RF Sniffer Pro is an innovative device, meticulously designed by British engineers and experts in technical surveillance countermeasures. This groundbreaking product combines a touchscreen dial to adjust the receiving strength. It is encased in a robust steel casing, ensuring durability and reliability in various operational environments.

The localised RF detector, with its British engineering excellence, robust construction, and innovative features, is an indispensable tool for professionals requiring precision and versatility in surveillance countermeasures. Its combination of a high-quality touchscreen, steel casing, and specialised antenna it a standout choice in the field of technical surveillance countermeasures.



INTRODUCTION

MAIN FUNCTIONS OF THE RF SNIFFER

- **3.5-inch Touchscreen Display:**
  - A pioneering feature in spectrum analysers, the RF Sniffer's generous, 3.5-inch touchscreen offers intuitive navigation and control, enhancing user interaction and efficiency in signal analysis.

- **Dial Control:**
  - To smoothly adjust the receiving strength (RX).

- **Broad Frequency Range:**
  - With its extensive 0-6 GHz bandwidth, this device captures a wide spectrum of signals, from low-frequency communications to high-frequency wireless transmissions, ensuring comprehensive signal detection.

- **Multifunctional Interface:**
  - Operators can detect a diverse array of signals including Bluetooth, Wi-Fi, cellular, and other signals within its range, thanks to its adaptable and user-friendly interface.

- **Multi-region**
  - The user can select their region in order to properly ascertain what frequencies pertain to which band.

- **Durable Steel Casing:**
  - Built to withstand challenging field conditions, the device is encased in a sturdy steel body, providing extra protection and longevity.

- **Portable and User-Friendly:**
  - Despite its advanced technology and durable build, the RF Sniffer remains portable and user-friendly, making it an invaluable tool for law enforcement, security professionals, and technical surveillance experts.

INSTRUCTIONS

SAFETY INFORMATION

Warning: Proper Handling Required

- Handle the device with care. Dropping or mishandling the device can cause damage.
- Do not insert any objects into the ventilation holes or ports.
- Avoid using the device in environments with excessive dust, moisture, or vibrations.

Warning: Overheating Hazard

- Avoid operating the device in extreme temperatures.

Warning: Use Correct Power Source

- Use only the charging plug and lead provided with the device or a replacement specified by the manufacturer.
- Ensure the power source matches the following outputs:
  - Voltage - 5V
  - Current - 1A
  - Power - 5W

Warning: Qualified Service Personnel

- Do not attempt to repair or modify the device yourself. Only Calibre service personnel should perform repairs.

INSTRUCTIONS

HARDWARE

- **USB C CHARGING CABLE & USB PLUG -**

- **NEAR FIELD PROBE ANTENNA -** Designed to pick up electronic or magnetic fields, our loop antenna are specifically for close-proximity radio frequency detection.

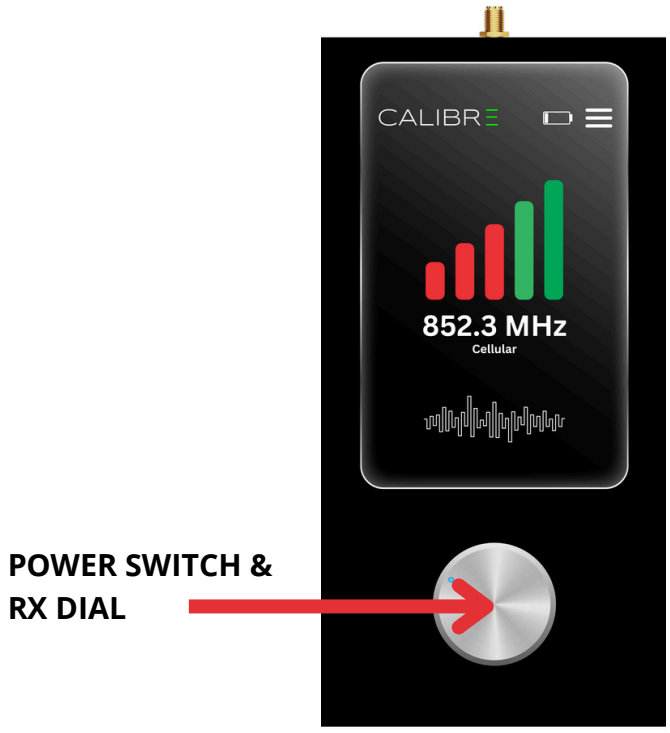
- **RF INTERFERENCE PROTECTION -** The casing is designed to protect against the potential interference from all radio frequencies ensuring the correct detection of local RF signals.



INSTRUCTIONS

GETTING STARTED

- The device will require sufficient battery charge to operate. The device may not work whilst on charge.
- **POWER ON -** Press the power dial once to turn the device on. It will take a while to self-calibrate and start operating.
- **POWER OFF -** To turn the device off safely, press the power dial down and hold until the screen goes blank.
- **WARNING: Not following this procedure correctly can result in the firmware crashing permanently.**
- **ANTENNA -** Ensue the antenna is screwed in finger-tight only.



INSTRUCTIONS

CONTROLS



INSTRUCTIONS

CONTROLS

1. POWER & RX CONTROL DIAL - The dial acts as both the on/ off switch and the RX control. “R” stands for receiving and “X” number. Depress the dial once to turn the device on and twice to turn it off.
Turn right to increase the receiving strength and left to decrease. Increasing the receiving strength will enable the user to detect signals from further away.
To turn the device off, simply press and hold the dial until the screen goes blank.

2. MENU - Opens the menu. Menu options are explained later on.

3. RSSI - The Receiving Strength Signal Indicator displays the strength of the most prominent signal being received.

4. SIGNAL MEASUREMENT - This displays the frequency of the signal being received.

5. SIGNAL TYPE - The RF Sniffer will tell the user what type of signal is being received based on the location selected in the options menu.

7. SIGNAL GRAPH - The graph will show a live reading of all signals being received in the from of a graph similar to a spectrum analyser.

INSTRUCTIONS

CONTROLS



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CONTROLS

7. SOUND ON/ OFF TOGGLE - The sounds will alert the user to an increase in a signal strength.

8. SIGNAL DETAILS ON/ OFF TOGGLE - The signal details relate to

9. REGION SELECTION - This is a unique offering when it comes to localised RF detection as it enables the user to travel overseas without the need for calibration. The correct region must be selected in order for the correct signal type (number 5) to be displayed as they vary from one country/ region to another.

INSTRUCTIONS

OPERATION

Firstly, screw in the antenna ensuring it is finger-tight only.

When the device is powered on, it will begin to search for local frequencies. It is prudent to ensure its proper operation by conducting a test using a device known to be emitting a radio frequency. A mobile phone is a useful if the user switches airplane mode off then on again which is likely to encourage the phone to send multiple burst signals.

Adjust the dial accordingly to find a distance between the antenna and the signal emitting device in order to find a distance that suits the search.

Ensure the correct region is selected prior to use to ensure that the signal details are accurate.

The RSSI will begin with no or 1 bar. It will increase in number when a signal is detected with a maximum of 5 bars.