

# PERSONAL RF DETECTOR

1MHz – 6GHz

The DD2020 personal radio frequency detector is a pocket-sized, portable test instrument designed to locate stuck transmitters and bugging devices in any home, office, or automobile. Equipped with vibration and tone alert modes. It excels at discreet detection of RF signals for security and counter-surveillance applications. Set includes internal rechargeable NiCd battery pack, AC/DC adaptor, short rubber antenna and earphone.

## General Instructions

### Basic Setup

- I. Calibrate unit.
  - a. Move to an area away from sweep area.
  - b. Locate the SEN (Sensitivity) knob. Turn knob clockwise as far as possible.
  - c. Turn knob counter-clockwise until signal strength indicator bars go out and vibration ceases. Unit is calibrated.
- II. Select alert mode.
  - a. VIBRATION mode- To activate vibration mode, move vibration switch to ON position.
  - b. TONE mode- To activate discreet tone mode, plug earpiece into small metal jack located on top of unit. Vibration will automatically be disabled in tone alert mode.
  - c. LED only mode- While unit is on, indicator lights always remain active. However, both vibration and tone may be disabled by moving switch to OFF position and removing earpiece from jack.

### How to Sweep Area for RF Signals

1. Choose an area to be tested and set up unit as instructed above.
2. Thoroughly cover area by moving unit across all walls and surfaces. Give special attention to any accessible ceilings, floors, power outlets, computer connections, and telephone jacks as these are likely places for hidden transmitters and bugs.
3. If alerted to an RF signal, lower sensitivity by turning SEN knob counterclockwise until LED goes out or tone/vibration ceases. Unit has now been recalibrated to lower sensitivity. Retest area where signal was detected.
4. Repeat Step 3 until origin of RF signal can be pinpointed close enough for physical inspection. DO NOT make contact between unit and bug or transmitter as internal damage will occur!
5. Closely inspect pinpointed area for any audio or video transmission devices.

### Specifications

Frequency range:	1 MHz - 6 GHz
Weight:	210 g
Size:	83 mm high x 68 mm wide x 31 mm deep
Impedance:	50 Ohms (BNC Socket)
Case:	Stamped aluminum with black anodized finish
Battery:	Internal 4 x AA 600 mAH NiCd pack
Power:	9 VDC 300 mA

### Features

- Pocket size
- Vibration motor and earphone for private detection
- 5 section RSSI bargraph to show relative RF signal strength
- Low power consumption (Average 8 hour battery life)
- Supplied with NiCd pack, AC wall charger, short rubber antenna and earphone

## Controls

SEN Knob - This knob turns the tracer on and adjusts sensitivity.

VIBRATION Switch – This switch selects the tone or vibration alert output.

## Battery

To fully recharge internal battery. Plug unit into the supplied AC/DC adaptor for 12-16 hours. The fully charged battery will power unit for up to eight hours. Blue power LED will blink when battery power is low. To maintain maximum battery capacity, occasionally allow battery to completely discharge before recharging. The NiCd battery should last for several years.

**Warranty**- This unit is warranted against manufacturer defects for one year from date of original purchase. Warranty excludes any unit that has been modified or subjected to unauthorized repairs, misuse, or abuse. Neither does it cover damage resulting from excessive power levels applied to the signal input.