Safe Living Technologies Pro II

Safe & Sound Pro II RF Detector User Manual

Model: Pro II | Brand: Safe Living Technologies

1. Introduction

The Safe & Sound Pro II RF Detector is an advanced instrument designed for measuring electromagnetic radiation (EMF) and high-frequency radiation. It utilizes state-of-the-art measurement technology to detect EMF emissions across a sensitive range, starting from 0.001 µW/m² and covering frequencies up to 8 GHz. This device is suitable for assessing various sources of radio frequencies and microwave radiation, including those from televisions, computers, and cellular towers. Its design prioritizes user-friendliness, energy efficiency, and compliance with stringent building biology guidelines for healthy living and working environments.

2. Setup

2.1 Battery Installation

The Safe & Sound Pro II requires 3 AAA alkaline batteries for operation. To install the batteries, locate the battery compartment on the back of the device. Open the compartment cover, insert the batteries according to the polarity indicators, and then securely close the cover. The device is ready for immediate measurements once batteries are installed.

Figure 1: Front view of the Safe & Sound Pro II RF Detector. The OLED display shows PEAK, MAX, and AVG readings. LED indicators for signal strength (Slight, Moderate, High, Extreme) are visible at the top. Controls for audio (On 4x, On, Off) and sensitivity (High, Med, Low) are located below the display, along with a 'Max Reset' button.

3. Operating Instructions

3.1 Powering On/Off

To power on the device, press the designated power button. The high-resolution OLED display will illuminate, showing current readings. To power off, press and hold the power button until the display turns off. The device is designed to be energy-efficient, contributing to longer battery life.

3.2 Display Modes

The device offers flexible display options. Users can select between units of volts per meter (V/m) and microwatts per square meter (µW/m²) for measurement readings. The self-illuminating OLED display ensures clear visibility in various lighting conditions.

3.3 Audio Feedback

The Safe & Sound Pro II includes high-quality, adjustable audio output. This feature, combined with a 3.5 mm headphone jack, allows for more precise identification of RF signal sources through audible cues. The audio can be set to different sensitivity levels (High, Med, Low) or turned off.

3.4 Measurement Interpretation

The device provides real-time readings for Peak, Max, and Average electromagnetic field strengths. Four color-coded LEDs (Slight, Moderate, High, Extreme) offer a quick visual indication of the detected signal strength, helping users understand the level of EMF exposure in their environment.

3.5 Max Reset Function

A 'Max Reset' button is available to clear the maximum recorded reading, allowing for new peak measurements to be captured from a specific point in time.

Figure 2: A person using the Safe & Sound Pro II RF Detector to measure electromagnetic fields near a microwave oven. This illustrates the device's practical application in assessing environmental safety.

4. Key Features

- **Enhanced EMF Measurements:** Measures electromagnetic fields in the frequency range up to 8 GHz, detecting emissions from a very low 0.001 µW/m².
- **High-Resolution OLED Display:** Features a self-illuminating OLED display for clear and readable measurements in all lighting conditions.
- **Energy-Efficient and Certified:** Designed for extended battery life and independently certified for reliability.
- **Adjustable Display and Audio Output:** Allows selection between V/m and µW/m² units, with adjustable volume control and a 3.5 mm headphone jack for precise signal identification.
- **Versatile Application:** Ideal for testing a wide range of devices and sources, including radio frequencies, microwave radiation, televisions, computers, and cellular towers.

Figure 3: Diagram highlighting key features of the Safe & Sound Pro II, including a clear OLED display, long-lasting battery, headphone jack, automatic shutdown, 4 color-coded LEDs, RF range of 200 MHz to 8 GHz, and its light and compact design.

Figure 4: Visual representation of the Safe & Sound Pro II's key benefits: Precise Measurements, Certified Reliability, User-Friendly operation, and High Sensitivity.

5. Specifications

Specification	Value
Manufacturer	Safe Living Technologies
Model Number	Pro II
Product Dimensions	16 x 10 x 3 cm
Weight	200 g
Frequency Range	200 MHz - 8 GHz
Detection Range	From 0.001 µW/m²
Display Type	High-resolution OLED
Power Source	3 AAA Alkaline Batteries

Figure 5: Diagram illustrating the dimensions of the Safe & Sound Pro II RF Detector: approximately 17 cm in height, 11 cm in width, and 4 cm in depth.

6. Maintenance

6.1 Storage

After use, it is recommended to store the Safe & Sound Pro II in its dedicated carrying case. This protects the device from dust, moisture, and physical damage, ensuring its longevity and accuracy.

6.2 Cleaning

To clean the device, use a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the display or casing.

Figure 6: The black carrying case for the Safe & Sound Pro II, featuring the 'SAFE LIVING Technologies Inc.' logo. This case provides protection for the device during storage and transport.

7. Troubleshooting

If the device does not power on, ensure that the batteries are correctly installed and have sufficient charge. Replace batteries if necessary. If readings appear inconsistent, ensure no strong interfering signals are present nearby. For persistent issues, refer to the manufacturer's support resources.

8. Warranty and Support

The Safe & Sound Pro II is manufactured by Safe Living Technologies. For specific warranty information, technical support, or service inquiries, please contact Safe Living Technologies directly

through their official website or customer service channels. The device comes with a Certificate of Calibration, ensuring its accuracy and reliability.

Figure 7: The Safe & Sound Pro II detector shown with its carrying case, a Certificate of Calibration, and Building Biology Evaluation Guidelines. This highlights the product's adherence to quality and safety standards.