Safe and Sound ED98QPro5G

Safe Living Technologies Cornet ED98QPro5G Electrosmog Quad-Mode Meter User Manual

1. Introduction

The Safe Living Technologies Cornet ED98QPro5G Electrosmog Quad-Mode Meter is designed to provide users with a basic understanding of Radio Frequency (RF) and Electromagnetic Field (EMF) exposure in their environment. This device assists in identifying primary sources of electro-pollution and includes a new feature for measuring light flicker rates.
This manual provides instructions for the proper setup, operation, and maintenance of your ED98QPro5G meter.

2. Package Contents

Verify that all items listed below are present in your package:

- Cornet ED98QPro5G Electrosmog Meter (Qty: 1)
- User's Guide (Qty: 1)
- 9 Volt Alkaline Battery (Qty: 1)
- Hard Shell Zipper Travel Case (HS1) (Qty: 1)



Figure 2.1: Cornet ED98QPro5G Electrosmog Meter and accessories inside its hard shell travel case.



Figure 2.2: Hard shell zipper travel case.

3. Getting Started

3.1 Battery Installation

1. Locate the battery compartment cover on the back of the meter.
2. Slide the cover downwards to open the compartment.
3. Connect the included 9V alkaline battery to the battery clip, ensuring correct polarity.
4. Place the battery into the compartment and replace the cover by sliding it upwards until it clicks into place.



Figure 3.1: Battery compartment open with 9V battery.

3.2 Powering On/Off

Press and hold the **MODE** button to power the meter on or off.

4. Operating Modes

The ED98QPro5G meter features multiple measurement modes. Use the **MODE** button to cycle through the available modes.



Figure 4.1: Front view of the meter with display and control buttons.

4.1 Radio Frequency (RF) Measurement

This mode measures RF fields between 0.1 – 8 GHz. The meter displays peak RF power density. Use the **UNIT** button to cycle through different measurement units if available.

4.2 Low Frequency (LF) AC Magnetic Field Measurement

Measures AC magnetic fields between 50 Hz – 10 kHz.

4.3 Low Frequency (LF) AC Electric Field Measurement

Measures AC electric fields between 50 Hz – 50 kHz.

4.4 Light Flicker Measurement

The Light Flicker mode measures the flicker rate from modern light sources and digital displays. Press the **LIGHT** button to activate this mode. This feature is useful for identifying light flicker problems that may affect human health.

4.5 Radio Frequency Counter

Displays the dominant RF source frequency between 100 MHz - 4.2 GHz.

4.6 Sound Signature Analysis

The meter includes sound signature analysis with volume control. Adjust the volume using the dedicated control on the side of the device.



Figure 4.2: Side view of the meter with volume control and USB port.

4.7 Hold Function

Press the **HOLD** button to freeze the current measurement on the display. Press it again to release.

5. Advanced Functions

5.1 Data Logging

The meter supports up to 50 hours of RF data logging. The data logging interval time can be set from 1 millisecond (0.001 sec) up to 3 minutes (1msec, 0.5sec, 1sec, 10sec, 30sec, 1min, 2min, and 3min) via the Logger setup menu. This allows for capturing high-speed digital RF signal waveforms (e.g., 5G, WiFi, DECT).
Logged data can be sent to a PC via the USB interface or viewed directly on the LCD display.

5.2 Real-Time Waveform Display

The meter features a real-time waveform display, which is particularly useful for identifying digital RF signal sources. The sampling rate is 42 microseconds per sample, displayed at 500 microseconds per step for a 0.5-second LCD update time.

5.3 Statistic Mode

The Statistic mode display window includes the real-time signal waveform. This allows users to observe the actual signal waveform during each screen update, providing insight into the distribution of signal levels for various signals.

6. Applications

The Cornet ED98QPro5G meter can be used for various applications, including:

- RF field strength/power level measurement
- RF Data Logging
- Measuring emissions from cellular phone base stations
- Telecommunications analysis (e.g., CW, TDMA, GSM, DECT)
- Wireless LAN (Wi-Fi) detection and installation verification
- Spy camera and wireless bug detection
- Cellular/cordless phone radiation safety level assessment
- Microwave oven leakage detection
- AC power line and transformer radiation monitoring
- Monitoring personal living environments for EMF safety
- Checking flicker rate of computer/TV screens and LED/CFL light bulbs

7. Care and Maintenance

- Keep the meter clean and dry. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- Avoid exposing the meter to extreme temperatures, humidity, or direct sunlight.
- Store the meter in its hard shell travel case when not in use to protect it from physical damage.
- Remove the 9V battery if the meter will not be used for an extended period to prevent battery leakage.

8. Troubleshooting

8.1 Meter Does Not Power On

- Ensure the 9V battery is correctly installed with proper polarity.
- Check if the battery has sufficient charge. Replace with a new battery if necessary.
- Verify that the **MODE** button is pressed and held for a few seconds to power on.

8.2 Inaccurate Readings

- Ensure the meter is held away from your body and other electronic devices that might interfere with readings.

- Confirm you are in the correct measurement mode for the type of field you are trying to detect.
- Environmental factors can influence readings. Try taking measurements in different locations.

8.3 Data Logging Issues

- Check the USB connection to your PC if transferring data.
- Ensure the logging interval is set appropriately for your needs.

9. Technical Specifications

Feature	Specification
Brand	Safe and Sound
Model	ED98QPro5G
RF Measurement Range	0.1 – 8 GHz
RF Counter Range	100 MHz - 4.2 GHz
LF AC Magnetic Field Range	50 Hz – 10 kHz
LF AC Electric Field Range	50 Hz – 50 kHz
Light Flicker Measurement	Measures flicker rate from modern light sources and digital displays
Peak RF Power Density Measurement	0.5 µW/m² to 1.8 W/m² Max
Data Logging	Up to 50 hours of RF data logging; interval 1ms to 3min
Interface	USB for PC connection
Display	LCD with ultra-fast colored LED 8x segment level display
Power Source	9V DC Alkaline battery (>20 hours) or external 5V USB power
Dimensions (H x W x D)	130mm x 69mm x 25.4mm (5.5 x 3 x 1 inches)
Manufacturer	Cornet Microsystem Inc

10. Warranty Information

The Cornet ED98QPro5G Electrosmog Quad-Mode Meter comes with a 1-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

11. Contact and Support

For technical support, warranty inquiries, or additional information, please contact Safe Living Technologies Inc. through their official channels. Refer to the packaging or the official website for the most current contact details.
Official Website: www.SafeLivingTechnologies.com

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question