LATNEX ED88TPlus

LATNEX Cornet ED88TPlus 5G EMF/RF Detector User Manual

Model: ED88TPlus | Brand: LATNEX

Introduction

The LATNEX Cornet ED88TPlus 5G EMF/RF Detector is a versatile instrument designed for measuring electromagnetic fields (EMF), radio frequency (RF) signals, and low-frequency magnetic and electric fields. This device provides essential data for understanding your environment's electromagnetic landscape, featuring sound signature analysis, an LCD histogram for signal power levels, and automatic data logging capabilities. It is an essential tool for identifying and monitoring various sources of electromagnetic radiation.

Figure 1: LATNEX Cornet ED88TPlus 5G EMF/RF Detector with included carrying case.

Setup

Battery Installation

The LATNEX Cornet ED88TPlus requires one 9V battery (included). To install the battery, locate the battery compartment on the back of the device. Slide open the cover, insert the 9V battery, ensuring correct polarity, and then close the compartment securely.

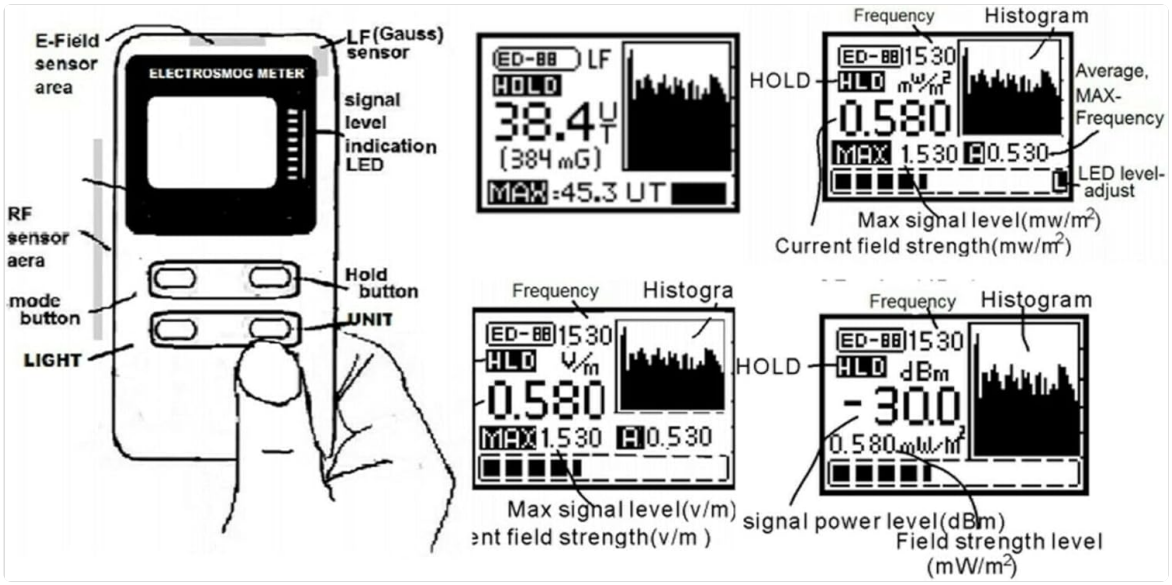

Figure 2: Rear view of the detector, highlighting the battery compartment.

Powering On/Off

Press and hold the power button (typically the 'Mode' button or a dedicated power button) for a few seconds until the LCD screen illuminates. To power off, press and hold the same button until the screen turns off.

Operating Instructions

Overview of Controls

The device features several buttons for mode selection, data hold, backlight control, and unit changes. Familiarize yourself with the button layout for efficient operation.

Figure 3: Diagram illustrating the device's controls and display features.

Mode Selection

Use the 'Mode' button to cycle through the different measurement modes: Radio Frequency (RF), Magnetic Field (LF Gauss), and Electric Field (EF). Each mode is designed to detect specific types of electromagnetic radiation.

Radio Frequency (RF) Mode

In RF mode, the detector measures wide radio frequencies from 100 MHz to 8 GHz. This is suitable for detecting signals from Wi-Fi routers, cell phones, smart meters, and other wireless communication devices. The display will show signal power levels, often in mW/m² or dBm.

Magnetic Field (LF Gauss) Mode

This mode measures low-frequency magnetic fields, typically in the range of 50 Hz to 10 KHz or 50 Hz to 1 KHz. It is used to detect magnetic fields emitted by electrical appliances, power lines, and other sources of alternating current.

Electric Field (EF) Mode

The Electric Field mode measures low-frequency electric fields from 50 Hz to 10 KHz. This is useful for identifying electric fields from unshielded wiring, electrical outlets, and various electronic devices.

Display and Sound Features

The LCD screen features a moving graphic histogram that visually represents the signal power level, allowing for easy interpretation of fluctuating readings. The device also includes sound signature analysis, providing an audible indication of the detected field strength, which can be particularly useful for quickly locating sources.

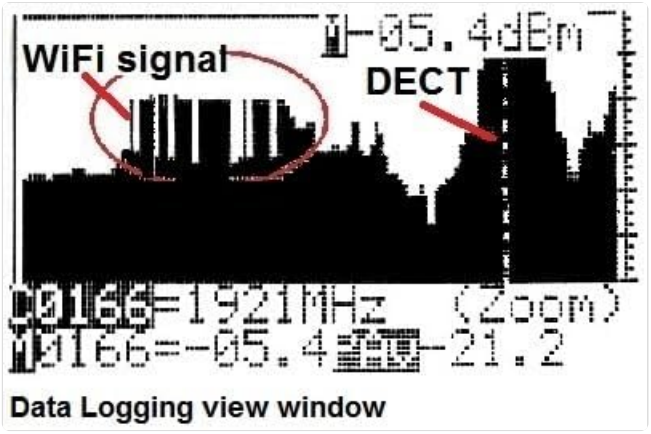

Figure 4: Example of the data logging view window on the LCD display.

Data Logging

The ED88TPlus supports automatic data logging, allowing you to record measurement data over time. This feature is valuable for long-term monitoring and identifying patterns in electromagnetic exposure. Refer to the detailed user manual for specific instructions on setting up and retrieving logged data.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the detector in its included EVA carrying case in a cool, dry place when not in use. Remove the battery if storing for extended periods to prevent leakage.
- **Battery Replacement:** Replace the 9V battery when the low battery indicator appears on the display to ensure accurate readings.

Troubleshooting

- **Device not powering on:** Check if the 9V battery is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Inaccurate readings:** Ensure the device is held correctly and away from your body or other potential interference sources. Check battery level.
- **No sound:** Verify that the sound alarm is enabled in the device settings.

For further assistance, refer to the comprehensive user manual or contact LATNEX customer support.

Specifications

Feature	Detail
Brand	LATNEX

Model	ED88TPlus
RF Frequency Range	100 MHz - 8 GHz
Magnetic Field Range	50 Hz - 10 KHz (Mode 1), 50 Hz - 1 KHz (Mode 2)
Electric Field Range	50 Hz - 10 KHz
Power Source	1 x 9V Battery (included)
Battery Life	50 Hours
Item Weight	5 Ounces
Material	Metal
International Protection Rating	IP56
Recommended Uses	Magnetic Locator, RF field strength/power level measurement, Wireless LAN detection

Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official LATNEX website. Keep your purchase receipt for warranty claims.