



Manuals.plus /

› RDINSCOS /

› RDINSCOS Digital EMF Meter RD630 Instruction Manual

RDINSCOS RD630

RDINSCOS Digital EMF Meter RD630 Instruction Manual

MODEL: RD630

1. Introduction

The RDINSCOS Digital EMF Meter RD630 is a versatile 3-in-1 device designed to detect Electric Fields (EF), Magnetic Fields (MF), and Radio Frequencies (RF). This handheld digital LCD detector provides real-time, accurate measurements for home, office, and outdoor environments, helping users assess and manage their exposure to electromagnetic radiation. It is equipped with user-friendly features for easy operation and clear readability.

2. Key Features

- **3-in-1 EMF Detection:** Simultaneously detects Electric Fields (EF), Magnetic Fields (MF), and Radio Frequencies (RF).
- **Real-Time Results:** Provides trusted readings with $\pm 5\%$ accuracy, updated every second.
- **Multiple Unit Display:** Switch between μT and mG for magnetic fields, and view RF intensity in mW/m^2 .
- **User-Friendly Design:** Simple one-handed operation with a bright backlight for dark spaces.
- **Audible and Visual Alarms:** Instantly alerts when exposure exceeds safety guidelines with color-coded indicators (Green: Safe, Yellow: Alert, Red: Avoid) and an optional mute mode.
- **Data Hold Function:** Capture and review maximum readings.
- **Auto Shut-Off:** Conserves battery power with automatic shut-off after 15 minutes of inactivity.

3. Package Contents

- 1 x RDINSCOS Digital EMF Meter (RD630)
- 1 x 9V Battery (included)
- 1 x User Manual
- 1 x Protective Cap

4. Setup

- Battery Installation:** Open the battery compartment on the back of the device. Insert the included 9V battery, ensuring correct polarity. Close the compartment securely.
- Power On:** Press and hold the power button (usually marked with a power symbol) for approximately 1-2 seconds until the LCD screen illuminates.
- Initial Check:** The device will perform a self-test and display initial readings. Ensure the protective cap is removed from the sensor area for accurate measurements.

5. Operating Instructions

5.1 Power On/Off

- To Power On:** Press and hold the power button for 1-2 seconds.
- To Power Off:** Press and hold the power button for 1-2 seconds. The device will also automatically shut off after 15 minutes of inactivity to save power.

5.2 Understanding the Display

The LCD screen displays real-time readings for Electric Fields (EF), Magnetic Fields (MF), and Radio Frequencies (RF). It also shows the current temperature and battery level.

- EF (Electric Field):** Measured in V/m (Volts per meter).
- MF (Magnetic Field):** Measured in mG (milligauss) or μT (microtesla).
- RF (Radio Frequency):** Measured in mW/m^2 (milliwatts per square meter).
- Temperature:** Displays ambient temperature.
- Battery Indicator:** Shows current battery life.

5.3 Button Functions

- Power/Mute Button:** Short press to turn on/off. Long press to mute/unmute the audible alarm.
- Unit/APO Button:** Short press to cycle through measurement units for Magnetic Field (mG/ μT). Long press to disable/enable Auto Power Off (APO).
- Hold/Max Button:** Short press to hold the current reading on the screen. Press again to release. Long press to display the maximum detected value.

5.4 Alarm Thresholds and Indicators

The device uses color-coded indicators and an audible alarm to signify EMF levels:

- Green:** Safe levels.
- Yellow:** Alert levels (audible alarm may be slow).
- Red:** Avoid levels (audible alarm is fast).

Specific thresholds for the RD630 are:

Category	EF (V/m)	MF (mG)	MF (μT)	RF (mW/m^2)
Safe	<250	<5	<0.5	<50
Alert	250-500	5-10	0.5-1	50-100
Avoid	>500	>10	>1	>100

6. Product Images



Figure 1: The RDINS COS Digital EMF Meter RD630 displaying Electric Field (EF), Magnetic Field (MF), and Radio Frequency (RF) readings. The screen shows green 'Safe' indicators for all three fields, indicating low levels of radiation. The device is black with green buttons and a clear LCD screen.

Electromagnetic Field Detector



Figure 2: A hand holding the RDINSCOS Digital EMF Meter RD630 near an oven. The screen shows readings for EF, MF, and RF, with the MF reading indicating a yellow 'Alert' level, suggesting moderate magnetic field radiation from the appliance. The oven contains a roasting turkey.

WiFi Radio Frequency (RF) Field



Figure 3: The RDINSCOS Digital EMF Meter RD630C being used to measure radiation near a Wi-Fi router. The screen displays readings for EF, MF, and RF, with the RF reading showing a yellow 'Alert' level, indicating moderate radio frequency radiation from the router.

RDINSCOS®

3 IN 1 EMF METER



Figure 4: The RDINSCOS Digital EMF Meter RD630 held in a home kitchen setting, showing its compact size and ease of use for everyday EMF inspections. The screen displays green 'Safe' readings for all fields.

Ghost Hunting Equipment Kit



Figure 5: The RDINSCOS Digital EMF Meter RD630 displaying red 'Avoid' levels for RF radiation while held near a cell tower, indicating high radio frequency exposure. The screen also shows 'Safe' levels for EF and MF.

Need Help?

Contact Us Anytime – We're Here for You!

Backed by Replacement Guarantee & Friendly Support

CONTACT US



Figure 6: A close-up view of the RDINSCOS Digital EMF Meter RD630's display and control buttons. The screen shows readings for EF, MF, and RF, with the 'Hold Max' and 'Unit APO' buttons clearly visible. The device is held in a hand, demonstrating its ergonomic design.

7. Product Videos

Video 1: A demonstration of the Soonkoda S8602 EMF meter, showcasing its use for detecting electromagnetic fields from power sockets, routers, and refrigerators. The video also illustrates how to power on, switch modes (electric field, magnetic field, temperature), adjust backlight, and use data hold functions.

Video 2: A detailed review of the GQ EMF-390 RF detector, explaining how it measures electromagnetic fields from various sources like cell towers, Wi-Fi, and cell phones. The video demonstrates the device's display, button functions, and provides a guide to understanding EMF levels and their implications for health.

Video 3: An EMF meter demonstrating how to measure electromagnetic fields from a microwave oven. The video shows readings for magnetic fields (MF) when the microwave is plugged in but off, and radio frequency (RF) when it is operating, highlighting the importance of maintaining a safe distance.

Video 4: A demonstration of the AF-5000 LATNEX EMF Meter, highlighting its ability to measure low-frequency electric and magnetic fields, as well as high-frequency RF fields up to 10 GHz, including 5G. The video showcases its bright screen, large buttons, and portability for discreet measurements in public places.

Video 5: A short promotional video for the Alfredx Router EMF Shielding Cover, demonstrating how it blocks 99% of Wi-Fi router EMF radiation, including 5G. The video highlights that the router's function remains unaffected while providing proven shielding using copper-nickel material.

8. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Use the protective cap to cover the sensor area when not in use.
- **Battery Replacement:** Replace the 9V battery when the low battery indicator appears on the screen to ensure accurate readings.

9. Troubleshooting

- **No Display/Device Not Turning On:** Check if the 9V battery is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Inaccurate Readings:** Ensure the protective cap is removed from the sensor. Avoid covering the sensor area with your hand or other objects during measurement. Move away from strong interference sources.
- **No Audible Alarm:** Check if the mute function is activated. Long press the power button to toggle mute/unmute.
- **Auto Shut-Off Too Soon:** If the device is shutting off before 15 minutes, ensure the Auto Power Off (APO) function is not set to a shorter duration (if configurable) or disable it by long-pressing the Unit/APO button.

10. Specifications

Specification	Value
Model Number	RD630
Manufacturer	SHENZHEN REDDRAGON INSTRUMENTS CO.,LTD
Item Weight	249 g
Product Dimensions	12 x 5 x 3.8 cm
Batteries	1 Lithium Polymer batteries required (included)
Color	Green
Measurement Accuracy	+/-5% - +/-20%
Country of Origin	China

11. Warranty and Support

This product is covered by a 30-day return policy for refund or replacement. For any questions or support, please refer to the contact information provided in your product packaging or on the manufacturer's official website.