

Relacart U.Discover is a portable spectrum management analyzer specially developed for wireless frequency management. It provides real-time wide band spectrum scanning and monitoring, realizes frequency visualization, provides a simple and convenient tool for on-site monitoring of wireless working environments, and helps create a stable wireless working environment.

U.Discover adopts an super wide band solution with frequency scanning up to 960MHz, making it possible to see interference frequencies on site at a glance. It allows you to quickly determine which frequency bands are crowded and which frequency bands are free, providing a basis for deciding the working frequency of your wireless system to avoid interference problems during use.

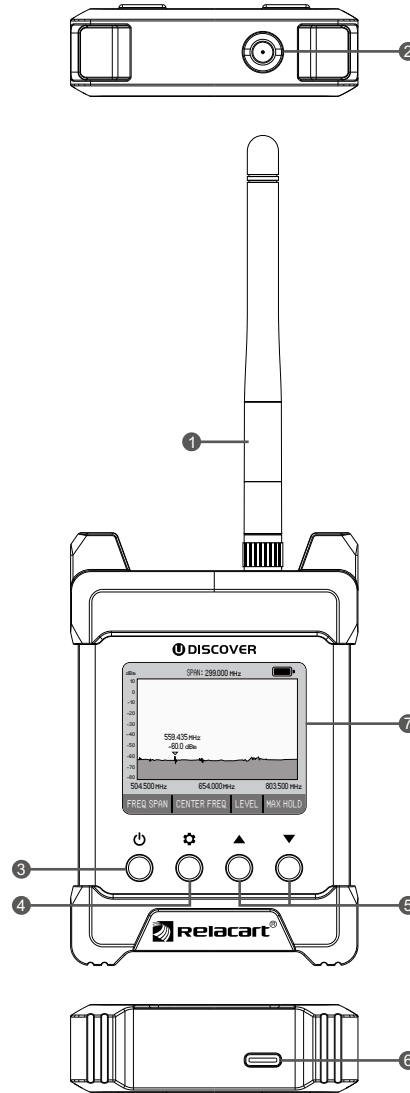
FEATURES





- Wide band operation (240~960MHz).
- Quick, real-time scanning to view RF signals and amplitudes.
- Display the frequency components of the signal and identify whether the signal exists.
- Discover available frequencies and monitor RF activity.
- Monitor RF signals within a specific area, such as to detect illegal or unauthorized emissions.
- Assess signal quality and channel interference to support optimization of communication systems.
- Assess the electromagnetic impact of equipment on other equipment.
- Monitor electromagnetic interference (EMI) generated by electronic equipment.

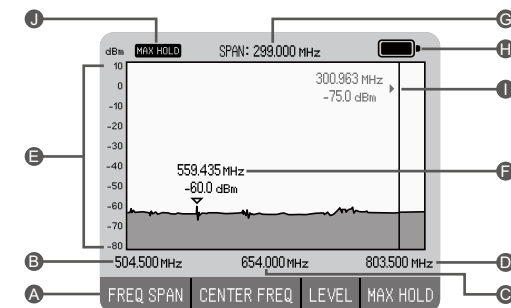
SPECIFICATION

Input frequency detection range:	240 ~ 960MHz
Input frequency detection bandwidth:	1 ~ 720MHz
Input frequency step:	1MHz
Spectrum dynamic range:	90dB
Amplitude range:	+10 ~ -110dBm
Display:	TFT
Input interface:	SMA female
Current consumption:	65mA
Built-in power supply:	Built-in 3.7V /1000mA lithium battery
Charging interface:	TYPE-C standard USB 5V charging
Working temperature:	0° C to +45° C
Dimensions (mm):	72 (W) x 108 (H) x 23 (D) (* Without antenna)
Weight:	150g

FUNCTION INTRODUCTION



- 1 SMA antenna: Used to receive radio waves.
- 2 SMA antenna interface: The default SMA antenna.
- 3 “” Power switch: Power the unit on or off.
- 4 “” Setting button: Long press to enter the menu settings, short press the scroll menu.
- 5 “/“” Control button:
 - A: When used with 4, the parameter value can be increased or decreased.
 - B: Short press to add a movable cursor on the RF drawing. Moving the cursor will display the frequency value and level of the current cursor position.
- 6 Charging port: Standard Type-c charging port, 5V voltage, standard USB charging adapter.
- 7 Displays RF plots, Signal strength and battery status.



- Display navigation menu:
 - FREQ SPAN: Set the scanning frequency bandwidth range.
 - CENTER FREQ: Set the center frequency.
 - Note: When setting the center frequency, the SPAN bandwidth setting should be less than 700MHz, otherwise the center frequency cannot be modified.
 - LEVEL: Set the level amplitude.
 - MAX HOLD: Peak signal hold.
 - CLEAN SCAN: Full frequency scan, scan frequency range: 240-960MHz.
- Scan start frequency.
- Scan center frequency.
- Scan end frequency.
- Level display value.
- PEAK the display value of the marked frequency.
- SPAN scan bandwidth.
- Display the current battery status.
- Move the cursor and display the current frequency value and level of the cursor.
- Peak signal remains on.