

docooler V8 Finder 2

docooler V8 Finder 2 TV Signal Finder Meter User Manual

Model: V8 Finder 2

1. INTRODUCTION

The docooler V8 Finder 2 is a professional digital satellite signal finder meter designed for efficient and accurate installation and adjustment of satellite dishes. It features a high-definition LCD display, supports various DVB standards, and includes advanced functions like spectrum analysis and automatic angle calculation. This manual provides comprehensive instructions for operating and maintaining your device.



Figure 1: docooler V8 Finder 2 in use with a satellite dish, highlighting its core function.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this product to ensure safe operation and prevent damage.

- Do not expose the device to rain or moisture.
- Avoid extreme temperatures. Operate the device within recommended environmental conditions.
- Do not disassemble or attempt to repair the device yourself. Refer all servicing to qualified personnel.
- Use only the provided or recommended charging accessories.
- Ensure proper ventilation when operating the device.
- Keep the device away from strong magnetic fields.

3. PRODUCT OVERVIEW

The V8 Finder 2 is a compact and powerful tool for satellite signal detection. Familiarize yourself with its components and features.

3.1 Device Layout





Figure 2: Front view of the V8 Finder 2, showing the LCD display and control panel.

The front panel features a 3.5-inch high-definition LCD screen for displaying signal information, menus, and media. Below the screen are navigation buttons, numeric keypad, and function keys for various operations.

3.2 Ports and Connections



Figure 3: Side and top views illustrating the various input and output ports.

- **LNB IN:** Connects to the LNB of your satellite dish for signal reception.
- **ON/OFF Switch:** Powers the device on or off.
- **USB Port (USB 3.0):** For software updates and connecting a 2.4G USB Wi-Fi dongle for YouTube functionality.
- **PD (Power Delivery) / Type-C Charging Port:** For charging the device and supports reverse charging.
- **HD OUT:** High-Definition Multimedia Interface output for connecting to an external display.
- **AV OUT:** Analog Video output for connecting to older displays.
- **AV IN:** Analog Video input for connecting external video sources.

3.3 Key Features

- 3.5-inch High-Definition LCD Display.
- Full compatibility with DVB-S2X/S2/S, MPEG-2/MPEG-4.

- H.264 (8-bit) hardware decoding support.
- Digital measurement for signal strength and quality.
- Spectrum Analyzer and Loop Search functions.
- Supports Auto, Blind, Manual, or NIT scanning.
- Audible tone for signal lock.
- Automatic calculation of AZ, EL angles.
- DISEQC 1.0/1.1/1.2, Unicable, 0/22kHz tone support.
- Built-in speaker.
- 7.4V/4000mAh Li-ion battery with Type-C fast charging and reverse charging.
- Software upgrade via USB port.



Figure 4: Visual representation of the V8 Finder 2's main features.

4. SETUP

Before first use, ensure the device is fully charged and familiarize yourself with the package contents.

4.1 Package Contents



Figure 5: Items included in the V8 Finder 2 product package.

Verify that all items are present:

- docooler V8 Finder 2 Device
- User Manual
- USB Cable (Type-C)
- Power Adapter (if included, not explicitly listed in JSON but implied by charging)
- F-connector adapter (if included)

4.2 Charging the Device

The device is equipped with a 7.4V/4000mAh Li-ion battery. For optimal performance, fully charge the device before first use.

1. Connect the provided USB Type-C cable to the PD/Type-C charging port on the device.
2. Connect the other end of the USB cable to a compatible USB power adapter (not explicitly listed as included, but standard for Type-C charging) or a powered USB port.
3. The charging indicator on the device will illuminate. Charging is complete when the indicator changes color or turns off (refer to device screen for battery status).

The device supports multi-protocol fast charging and Type-C reverse charging, allowing it to act as a power bank for other devices.

5. OPERATING INSTRUCTIONS

This section details the steps for using the V8 Finder 2 to locate and optimize satellite signals.

5.1 Powering On/Off

- To power on, slide the ON/OFF switch located on the top of the device to the 'ON' position.
- To power off, slide the ON/OFF switch to the 'OFF' position.

5.2 Connecting to a Satellite Dish

1. Ensure the V8 Finder 2 is powered off.
2. Connect the coaxial cable from your satellite dish's LNB (Low Noise Block) to the **LNB IN** port on the V8 Finder 2.
3. If connecting to a receiver or TV, use the **HD OUT** or **AV OUT** ports.

5.3 Signal Finding and Optimization

The V8 Finder 2 provides various modes for signal acquisition and analysis.

1. **Select Satellite:** From the main menu, navigate to the "Installation" or "Satellite Setup" section. Select the desired satellite from the pre-programmed list or add a new one.
2. **Adjust Dish:** Slowly adjust the azimuth (horizontal) and elevation (vertical) of your satellite dish. Observe the signal strength and quality indicators on the V8 Finder 2's display. The device will emit an audible tone when a signal is locked.
3. **Spectrum Analyzer:** Use the "Spectrum" function to visualize the signal spectrum, which can help identify interference or weak signals.
4. **Angle Calculation:** The device can automatically calculate the AZ (Azimuth) and EL (Elevation) angles for your location, assisting in precise dish alignment.
5. **Channel Scan:** Once a strong signal is acquired, perform an "Auto Scan," "Blind Scan," "Manual Scan," or "NIT Scan" to find available channels.

The most complete signal

Multiple signal decoding



- DVB-S/S2/S2X
- BISS/PowerVu
- VCM/ACM/Multi-stream/T2MI
- PLP、MPEG2、MPEG4、
- H.264(8 Bit)

Figure 6: The V8 Finder 2 display showing signal decoding capabilities.

5.4 Media Playback and Other Functions

- Media:** The device supports media playback. Connect a USB drive to the USB port to access compatible audio or video files.
- YouTube (via Wi-Fi):** Connect a 2.4G USB Wi-Fi dongle to the USB port to enable YouTube functionality.
- AV IN/OUT:** Use the AV IN port to display video from an external source on the V8 Finder 2 screen. Use AV OUT or HD OUT to display the V8 Finder 2's screen on an external monitor or TV.

AV IN and AV/HD OUT function

Not only a TV, but also a TV tool that can help you transfer programs to the TV to watch



Figure 7: Illustration of AV IN and AV OUT functionality, connecting the device to a television.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your V8 Finder 2.

- Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Battery Care:** To preserve battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to about 50% every few months.
- Software Updates:** Periodically check for software updates on the manufacturer's website. Updates can improve performance and add new features. Use the USB port for software upgrades.

7. TROUBLESHOOTING

If you encounter issues with your V8 Finder 2, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power switch off.	Charge the device fully. Ensure the ON/OFF switch is in the 'ON' position.
No signal detected.	Incorrect LNB connection; Dish misalignment; Incorrect satellite selected.	Check LNB cable connection. Re-align the satellite dish. Verify the correct satellite is selected in the device settings.

Problem	Possible Cause	Solution
Weak or unstable signal.	Fine-tuning needed; Obstruction; LNB issue.	Make small adjustments to the dish. Check for any physical obstructions. Inspect LNB for damage.
Cannot connect to Wi-Fi.	No 2.4G USB Wi-Fi dongle connected; Incorrect Wi-Fi settings.	Ensure a compatible 2.4G USB Wi-Fi dongle is inserted. Verify Wi-Fi network settings and password.
Display issues.	Software glitch; Hardware fault.	Restart the device. If the problem persists, consider a software update or contact support.

8. SPECIFICATIONS

Technical specifications for the docooler V8 Finder 2.

- Display:** 3.5-inch High-Definition LCD
- Compatibility:** DVB-S2X/S2/S, MPEG-2/MPEG-4
- Video Decoding:** H.264 (8-bit)
- Battery:** 7.4V/4000mAh Li-ion
- Charging Port:** Type-C (supports fast charging, reverse charging)
- Connectivity:** USB (for software update, 2.4G Wi-Fi dongle), HD OUT, AV OUT, AV IN
- Dimensions:** Approximately 155mm x 95mm x 45mm
- Weight:** 530g
- DISEQC Support:** 1.0/1.1/1.2, Unicable
- Tone Support:** 0/22kHz

DIMENSIONS



Figure 8: Physical dimensions of the V8 Finder 2.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product warranty card included in your package or visit the official docooler website. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: Docooler

Brand: docooler

For further assistance, please contact docooler customer service.