

## SURRYN V8 Finder Pro

# SURRYN V8 Finder Pro Digital Satellite Meter User Manual

Model: V8 Finder Pro

## 1. INTRODUCTION

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The SURRYN V8 Finder Pro is a portable and convenient digital satellite meter designed for accurate signal strength and quality measurement. It supports various digital video broadcasting standards including DVB-S2, DVB-T2, DVB-C, and features AHD camera input and H.265 hardware decoding. This manual provides detailed instructions for setting up, operating, and maintaining your V8 Finder Pro.

## 2. PRODUCT FEATURES

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- 4.3 Inch High Definition TFT LCD screen for clear display.
- Fully compliant with DVB-S2X/S2/S/T2/T/C/ATSC-C, MPEG-2/MPEG-4 standards.
- Supports H.264/H.265 (10 Bit) Hardware decoding.
- Digital measuring device for signal strength and quality, with presetting capabilities.
- Supports scan modes: Auto, Blind, Manual, or NIT.
- Integrated spectrum analyzer.
- Audible tone for signal locking.
- Automatic calculation of Azimuth (AZ) and Elevation (EL) angles.
- Supports DISEQC 1.0/1.1/1.2, Unicable, and 0/22kHz Tone.
- Built-in speaker.
- Supports both AV out and AV in.
- Supports HD out.
- Supports AHD camera input.
- Compass function support.
- Real-time power display with low power reminder.
- LNB short circuit protection.
- 7.4V/4000mAh Li-ion Battery included.
- Software upgradeable via USB port.

### 3. PACKAGE CONTENTS

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Please check the package contents upon unboxing to ensure all items are present:

- 1 x SURRYN V8 Finder Pro Digital Satellite Meter
- 1 x User's Manual (this document)
- 1 x AV Cable
- 1 x Car Charger Cable
- 1 x Power Adapter



Image: The V8 Finder Pro unit housed within its black protective carrying case, showing the screen and control buttons. A shoulder strap is attached for portability.

### 4. DEVICE LAYOUT AND COMPONENTS

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Familiarize yourself with the various parts and connections of your V8 Finder Pro.

# V8 Finder Pro



DVB-S2

DVB-T2

DVB-C

AHD

H. 265

Image: Front view of the V8 Finder Pro, highlighting the 4.3-inch LCD screen and the orange control panel with navigation buttons, numeric keypad, and function keys. Key supported standards like DVB-S2, DVB-T2, DVB-C, AHD, and H.265 are visible on the right side.





Image: Right side view of the V8 Finder Pro, displaying the HD OUT, AV OUT, and AV IN ports for connecting to external displays or video sources.



Image: Top view of the V8 Finder Pro, showing the AHD input, ANT IN (Antenna In), and LNB IN (Low Noise Block Downconverter In) ports for signal connections.

**Control Panel Overview:**

- **Power Button:** Turns the device on/off.
- **DVB Button:** Switches between DVB-S2, DVB-T2, DVB-C modes.
- **AV IN/OUT Buttons:** Toggles between Audio/Video input and output.
- **REC Button:** Initiates recording (if supported by current mode).
- **MENU Button:** Accesses the main menu.
- **Navigation Keys (Up, Down, Left, Right, OK):** For menu navigation and selection.
- **EXIT Button:** Returns to the previous screen or exits a menu.
- **Numeric Keypad (0-9):** For entering values or channel numbers.
- **SUBT/TEXT/EPG Buttons:** Accesses subtitles, teletext, or Electronic Program Guide.
- **SPEC Button:** Activates the spectrum analyzer.
- **SAT/INFO/MUTE Buttons:** Satellite list, information display, and mute function.
- **AHD/LCD Buttons:** Toggles AHD camera input or LCD backlight.

## 5. SETUP

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### 5.1 Charging the Battery

Before first use, fully charge the internal 7.4V/4000mAh Li-ion battery. Connect the provided power adapter to the DC IN port on the device and plug it into a wall outlet. The "Charge" indicator light will illuminate during charging and turn off when fully charged. You can also use the car charger cable for charging in a vehicle.

### 5.2 Initial Power On

Press and hold the **Power** button until the screen illuminates. The device will boot up and display the main menu or the last used mode.

### 5.3 Language and Time Settings

Navigate to the "System Setting" menu using the navigation keys and **OK** button. Here you can set the display language, time zone, and other general system preferences.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Satellite Signal Finding (DVB-S/S2/S2X)

1. Connect your LNB cable from the satellite dish to the **LNB IN** port on the V8 Finder Pro.
2. Press the **DVB** button to select the Satellite mode (DVB-S/S2/S2X).
3. From the main menu, select "Satellite" or "Installation".
4. Choose the desired satellite from the pre-loaded list or add a new one.
5. Select a Transponder (TP) frequency. If not available, you may need to add it manually.
6. Adjust your satellite dish's azimuth and elevation. The V8 Finder Pro will display signal strength and quality bars. An audible tone will assist in fine-tuning.
7. Once a strong signal is acquired, the "Lock" indicator will illuminate.
8. Use the "Spectrum" function (**SPEC** button) for a visual representation of the signal.
9. The device can auto-calculate AZ/EL angles to assist with dish alignment.

### 6.2 Terrestrial Signal Finding (DVB-T/T2)

1. Connect your terrestrial antenna to the **ANT IN** port.
2. Press the **DVB** button to select Terrestrial mode (DVB-T/T2).
3. Navigate to the "Terrestrial" or "Installation" menu.
4. Perform an "Auto Scan" or "Manual Scan" to find available channels.

5. Adjust antenna direction for optimal signal strength and quality.

### 6.3 Cable Signal Finding (DVB-C)

1. Connect your cable TV signal to the **ANT IN** port.
2. Press the **DVB** button to select Cable mode (DVB-C).
3. Navigate to the "Cable" or "Installation" menu.
4. Perform an "Auto Scan" or "Manual Scan" for channels.

### 6.4 AHD Camera Input

The V8 Finder Pro supports AHD camera input, allowing you to use the device's screen as a monitor for AHD cameras. Connect the AHD camera's video output to the **AHD** input port on the device. Press the **AHD** button to switch to AHD camera display mode.

### 6.5 Software Upgrade

Software upgrades can be performed via the USB port. Download the latest firmware from the official SURRYN website, save it to a USB flash drive, and follow the instructions provided with the firmware file for the upgrade process.

## 7. MAINTENANCE

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- **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 prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.
- **Protection:** Always use the provided protective carrying case to prevent damage from drops or impacts.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Connect the power adapter and charge the device for at least 30 minutes before attempting to power on again.
No signal detected.	Incorrect cable connection; Incorrect satellite/transponder selected; Dish/antenna misalignment; LNB/Antenna fault.	Ensure cables are securely connected. Verify the correct satellite/transponder settings. Adjust dish/antenna alignment slowly. Check LNB/Antenna for damage.
Signal quality is low.	Fine-tuning required; Obstruction in signal path; Weather interference.	Make small adjustments to dish/antenna. Clear any obstructions. Wait for weather conditions to improve.
Screen is blank or frozen.	Software glitch; System error.	Perform a hard reset by holding the power button for 10-15 seconds. If issue persists, attempt a software upgrade via USB.
Battery drains quickly.	Aging battery; High screen brightness; Continuous use of power-intensive features.	Reduce screen brightness. Limit continuous use of features like spectrum analyzer. Consider battery replacement if significantly degraded.

## 9. SPECIFICATIONS

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Feature	Detail
Model	V8 Finder Pro
Manufacturer	SURRYN
Display	4.3 Inch High Definition TFT LCD
Decoding	H.264/H.265 (10 Bit) Hardware decoding
DVB Standards	DVB-S2X/S2/S/T2/T/C/ATSC-C
Battery	7.4V/4000mAh Li-ion Battery
Connectivity	HD Out, AV Out, AV In, AHD In, USB Port
Item Weight	2.2 pounds
Package Dimensions	1.18 x 0.79 x 0.39 inches
Country of Origin	China
Item Model Number	84156498451

## 10. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the warranty card included with your product or contact SURRYN customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** SURRYN

**ASIN:** B0DYJQ64DP

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