

## GTMEDIA V8 Finder2

# GTMEDIA V8 Finder2 Satellite Finder Meter User Manual

Model: V8 Finder2

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## 1. INTRODUCTION

The GTMEDIA V8 Finder2 is a portable digital satellite finder meter designed for the installation and verification of digital Satellite TV services. It is compliant with DVB-S/S2/S2X and MPEG-2/4 H.264 (8 Bit) standards. This device provides essential functions for accurately adjusting satellite TV dishes, offering signal strength and quality measurements. Its compact design, intuitive user interface, and long battery life make it a practical tool for both residential and multi-dwelling unit installations.

## 2. KEY FEATURES

- DVB-S/S2/S2X and MPEG-2/4 H.264 (8 Bit) compliant.
- Digital measuring device for signal strength and quality.
- Supports presetting all satellite information.
- Integrated Spectrum Analyzer for detailed signal analysis.
- Multiple scan modes: Auto, Blind, Manual, or NIT.
- Audible signal lock indicator.
- Automatic calculation of Azimuth (AZ) and Elevation (EL) angles.
- Supports DISEQC 1.0/1.1/1.2, Unicable, and 0/22kHz Tone.
- 3.5-inch High Definition LCD screen.
- 5000mAh large capacity battery for extended operation.
- Type-C fast charging port (max 18W, charging adapter not included).
- Real-time power display and low power reminder.
- Compact and lightweight design for portability.

### 3. PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present and in good condition.



Image: GTMEDIA V8 Finder2 package contents. This includes the V8 Finder2 device, a user manual, a product warranty card, a USB charging cable, and an F-connector adapter.

- GTMEDIA V8 Finder2 Satellite Finder Meter
- User Manual
- Product Warranty Card
- USB Charging Cable
- F-Connector Adapter

### 4. PRODUCT OVERVIEW

Familiarize yourself with the device's components and interfaces.

## 4.1 Front Panel and Display



Image: Front view of the GTMEDIA V8 Finder2. The device features a 3.5-inch HD LCD screen and a numeric keypad with navigation buttons. It is shown in a typical usage scenario, connecting to a satellite dish and outputting to a television.

- **3.5-inch HD LCD Screen:** Displays menus, signal information, and video output.
- **Keypad:** Numeric keys (0-9) and navigation buttons (MENU, OK, EXIT, directional arrows) for operating the device.
- **Function Buttons:** Dedicated buttons for REC, SUBT, TEXT, AUDIO, SPEC, LOOP, B.LIGHT, SAT, INFO, TV/R.

## 4.2 Side and Rear Panels



Image: Side view of the GTMEDIA V8 Finder2. This image highlights the various input and output ports: USB 2.0 Port, Type-C Fast Charging Port, Power Button, HDMI OUT, AV OUT, AV IN, and LNB IN.

- **LNB In:** Connects to the Low Noise Block (LNB) of the satellite dish.
- **HDMI OUT:** For connecting to an external display (e.g., TV, monitor) to view the signal.
- **AV OUT:** Analog video/audio output.
- **AV IN:** Analog video/audio input.
- **USB 2.0 Port:** For software upgrades and media playback.
- **Type-C Fast Charging Port:** For charging the device.
- **Power Button:** To turn the device on/off.



Image: Rear view of the GTMEDIA V8 Finder2. This view shows the integrated speaker and the product information label. It also emphasizes the 3.5-inch HD LCD screen, real-time power display, and multi-protocol fast charging capability (note: charging adapter not included).

- **Speaker:** Integrated speaker for audible signal lock and audio playback.
- **Product Label:** Contains model information, input frequency, input voltage, and battery details.

### 4.3 Dimensions

# SMALL COMPACT SIZE



Image: Dimensions of the GTMEDIA V8 Finder2. The device measures approximately 155mm in height, 95mm in width, and 45mm in thickness, highlighting its compact size.

## 5. SETUP

1. **Charge the Device:** Before first use, fully charge the V8 Finder2 using the provided USB Type-C cable and a compatible 18W (max) charging adapter (not included). The real-time power display will indicate charging status.
2. **Power On:** Press and hold the Power Button to turn on the device.
3. **Connect LNB:** Connect the LNB cable from your satellite dish to the "LNB In" port on the V8 Finder2.
4. **External Display (Optional):** If desired, connect an HDMI cable from the "HDMI OUT" port to your TV or monitor for a larger display.

## 6. OPERATING INSTRUCTIONS

The GTMEDIA V8 Finder2 features an intuitive menu system. Use the navigation buttons (up, down, left, right, OK) to navigate through the menus and select options.

Your browser does not support the video tag.

Video: Official demonstration of the GTMEDIA V8 Finder2 satellite finder meter. This video illustrates the device's interface, menu navigation, and key functions such as system settings, satellite installation, spectrum analysis, and angle calculation.

## 6.1 Main Menu Navigation

From the main screen, you can access various functions:

- **Installation:** For setting up and scanning satellites.
- **Spectrum:** To view the real-time signal spectrum.
- **Loop Search:** For performing circular searches.
- **Calculate:** To determine satellite angles (AZ/EL).
- **Channel:** To manage TV and radio channels.
- **Media Center:** For media playback.
- **Tools:** Access to factory settings, USB upgrade, and other utilities.
- **System:** For general system settings like language, time, and AV settings.

## 6.2 System Settings

1. Navigate to **System** from the main menu.
2. Select **Language** to choose your preferred language.
3. Adjust **AV Setting** for TV system, video resolution, aspect ratio, and video effects.

## 6.3 Installing Satellites

1. Go to **Installation** from the main menu.
2. Select **Satellite** to view or edit existing satellites.
3. Use the **Add, Edit, Delete** functions to manage satellite entries.
4. Configure LNB Frequency, DISEqC settings (1.0/1.1/1.2, Unicable), and 0/22kHz Tone as required for your setup.
5. Perform a **Scan** (Auto, Blind, Manual, or NIT) to find transponders and channels.
6. Adjust your satellite dish while observing the Signal Intensity and Signal Quality bars on the screen. An audible tone will indicate signal lock.

## 6.4 Using Spectrum Analyzer

1. Select **Spectrum** from the main menu.
2. The screen will display a graphical representation of the signal spectrum, allowing for fine-tuning of the dish alignment.
3. Observe the cursor, bandwidth, and power readings for detailed analysis.

## 6.5 Calculating Satellite Angles

1. Choose **Calculate** from the main menu.
2. Input your current Longitude and Latitude.
3. Select the desired Satellite. The device will automatically calculate the optimal Azimuth and Elevation angles for dish positioning.

## 6.6 USB Upgrade

1. Download the latest firmware from the official GTMEDIA website (<http://www.freesat.cn>).
2. Save the firmware file to a USB drive.
3. Insert the USB drive into the device's USB 2.0 port.

4. Navigate to **Tools > USB Upgrade** and follow the on-screen instructions to update the firmware.

## 7. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or solvents.
- **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.
- **Software Updates:** Regularly check the official website for firmware updates to ensure optimal performance and access to new features.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not power on.	Low battery or power button issue.	Ensure the device is fully charged. Press and hold the power button firmly.
No signal detected.	Incorrect LNB connection, wrong satellite selected, or dish misalignment.	Check LNB cable connection. Verify the correct satellite is selected in the menu. Adjust the satellite dish alignment carefully using the signal strength and quality indicators.
Poor signal quality.	Minor dish misalignment, LNB issue, or weather interference.	Fine-tune dish alignment. Check LNB for damage or obstruction. Consider weather conditions.
Screen is blank or frozen.	Software glitch or temporary error.	Restart the device. If the problem persists, try a factory reset (refer to the Tools menu) or a firmware upgrade.
Cannot upgrade firmware via USB.	Incorrect file format, corrupted file, or USB drive issue.	Ensure the firmware file is correct and not corrupted. Use a properly formatted USB drive. Follow the upgrade instructions precisely.

## 9. SPECIFICATIONS

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Feature	Detail
Model	V8 Finder2
Brand	GTMEDIA
Antenna Type	Satellite, Television
Maximum Range	350 Meters
Display	3.5-inch HD LCD
Battery	5000mAh (Li-ion)

Feature	Detail
Charging Port	Type-C (Max 18W)
Video Decoding	MPEG-2/4 H.264 (8 Bit)
Satellite Standards	DVB-S/S2/S2X
Input Frequency	950-2150MHz
Input Voltage	DC9V/12V

## 10. WARRANTY AND SUPPORT

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The GTMEDIA V8 Finder2 comes with a product warranty card. Please refer to the card for specific warranty terms and conditions. For technical support, firmware updates, and additional resources, please visit the official GTMEDIA website:

<http://www.freesat.cn>

You can also find contact information for customer service on the product warranty card or the official website.

