

## GTMEDIA V8 Finder

# GTMEDIA V8 Finder Digital Satellite Meter User Manual

Model: V8 Finder

## 1. INTRODUCTION

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The GTMEDIA V8 Finder is a high-definition digital satellite meter designed for quick and accurate setup of satellite antennas. It supports DVB-S/S2/S2X signal measurements and H.265 hardware decoding, making it an essential tool for satellite TV installers and enthusiasts. This manual provides detailed instructions for operating and maintaining your V8 Finder.

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before using the device. Failure to follow these instructions may result in electric shock, fire, or damage to the device.

- Do not expose the device to rain or moisture.
- Do not open the device casing; refer all servicing to qualified personnel.
- Use only the provided power adapter.
- Keep the device away from heat sources and direct sunlight.
- Ensure proper ventilation to prevent overheating.
- Avoid dropping or subjecting the device to strong impacts.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x GTMEDIA V8 Finder Digital Satellite Meter
- 1 x User Manual
- 1 x AV Cable
- 1 x Car Charger Cable
- 1 x Power Adapter

- 1 x Carrying Bag
- 1 x Carrying Bag Strap



Image 3.1: All items included in the GTMEDIA V8 Finder package.

## 4. PRODUCT OVERVIEW

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The GTMEDIA V8 Finder features a compact design with a 3.5-inch high-definition LCD screen and an intuitive button layout for easy navigation and operation.

### 4.1 Front Panel



Image 4.1: Front view of the GTMEDIA V8 Finder, showing the LCD screen and control buttons.

- **LCD Screen:** 3.5-inch high-definition display for menu navigation and signal information.
- **Keypad:** Numeric keys (0-9), directional keys (Up, Down, Left, Right), OK, MENU, EXIT, MUTE, BEEP, B.LIGHT, INFO, TV/R, BACK, PAUSE, METER buttons.
- **LED Indicators:** Power, 22K, 13V/18V, Lock, Charge.

## 4.2 Side Panels



Image 4.2: Side view of the GTMEDIA V8 Finder, highlighting the LNB IN, AV IN, and AV OUT ports.

- **LNB IN:** F-type connector for satellite antenna input.
- **AV IN:** Audio/Video input port.
- **AV OUT:** Audio/Video output port.
- **USB Port:** For software upgrades and data transfer.
- **DC IN:** Power input for charging and operation.
- **HD OUT:** HDMI output for connecting to an external display (up to 1080p).

## 5. SETUP

### 5.1 Charging the Device

Before first use, fully charge the V8 Finder. Connect the provided power adapter to the DC IN port on the device and plug it into a power outlet. The "Charge" LED indicator will illuminate during charging. A full charge provides up to 4 hours of operation.

### 5.2 Initial Power On

Press and hold the Power button to turn on the device. The GTMEDIA logo will appear, followed by the main menu.

### 5.3 Language Settings

Navigate to the "System Setup" menu using the directional keys and press OK. Select "Language" and choose your preferred language (English, German, French, Portuguese, Spanish, Italian, Russian, Turkish, Polish, Arabic, Farsi).

## 6. OPERATING INSTRUCTIONS

## 6.1 Connecting to an LNB

Connect the coaxial cable from your satellite dish's LNB to the "LNB IN" port on the V8 Finder. The device will provide power to the LNB (13V/18V, max 400mA) and detect 22KHz tone and DiSEqC signals (Ver 1.0/1.1/1.2/USALS).

## 6.2 Satellite Signal Measurement

From the main menu, select "Satellite Search" or "Antenna Setup".



Image 6.1: The "Antenna Setup" screen, showing options for LNB frequency, motor type, and DiSEqC settings.

1. Select the desired satellite from the list.
2. Adjust LNB frequency, Transponder, Symbol Rate, and Polarization as needed.
3. If using DiSEqC, configure the DiSEqC settings (1.0, 1.1, 1.2, USALS) according to your setup.
4. Adjust the satellite dish direction (azimuth and elevation) while observing the signal strength and quality bars on the screen.
5. The device will display signal level (-65 dBm ~ -25 dBm) and quality. A "Lock" indicator will confirm a stable signal.
6. Use the BEEP button to activate an audible tone that changes with signal strength, aiding in dish alignment.

### 6.3 Channel Search and Management

After locking onto a satellite signal:

- Perform an automatic, manual, or network search for channels.
- The device supports up to 6000 TV and radio channels.
- Use the "Channel Edit" function to manage channels: favorite, move, lock, skip, delete, rename, search, sort.
- Create up to 8 different favorite groups.

### 6.4 AV/HDMI Output

Connect the V8 Finder to an external display (TV or monitor) using the provided AV cable or an HDMI cable (not included) to view the menu or received channels on a larger screen.

## 7. MAINTENANCE

### 7.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use liquid cleaners or solvents.

### 7.2 Battery Care

To prolong battery life, avoid fully discharging the device frequently. If storing for an extended period, charge the battery to approximately 50% and recharge every few months.

### 7.3 Software Updates

Periodically check the GTMEDIA official website for firmware updates. Updates can be installed via the USB port following the instructions provided with the firmware.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery or power adapter issue.	Charge the device. Ensure the power adapter is correctly connected and functional.
No signal detected.	Incorrect LNB connection, wrong satellite selected, dish misalignment, or LNB fault.	Check LNB cable connection. Verify satellite and transponder settings. Adjust dish alignment. Test with a known working LNB if possible.
Poor signal quality.	Fine-tuning needed, interference, or LNB issue.	Carefully fine-tune dish alignment. Check for obstructions. Ensure LNB is correctly positioned.
Screen frozen or unresponsive.	Software glitch.	Press and hold the Power button to force a restart. If the issue persists, consider a firmware update.

## 9. SPECIFICATIONS

- **System Capability:** Full HD DVB-S/S2/S2X Compliant
- **Video Decoding:** AC-3, MPEG-2 MP@HL, H.264 BP MP & HP L4.1, AVS Profile L6.1/4.0/2.0, H.265
- **PAL/NTSC:** Automatic PAL/NTSC conversion

- **Channel Capacity:** 6000 TV and Radio channels programmable
- **Favorites:** 8 different favorite groups
- **OSD Language:** English, German, French, Portuguese, Spanish, Italian, Russian, Turkish, Polish, Arabic, Farsi
- **OSD Color:** 16-bit OSD with anti-flickering
- **Channel Search:** Automatic, Manual, and Network Search
- **Channel Edit:** Favorite, Move, Lock, Skip, Delete, Rename, Search, Sort
- **Power Supply:** DC 12V/1500mA (Input 100V~240V, 50/60Hz)
- **Flash Memory:** 64MB Serial Flash
- **DDR3 Memory:** 1GB DDR3
- **LNB Connector:** F Type, Male
- **Frequency Range:** 950MHz-2150MHz
- **Input Impedance:** 75Ω
- **Signal Level:** -65dBm ~ -25dBm
- **LNB Power:** 13/18V DC 400mA Max, Overload Protection
- **LNB Switch Control:** 22KHz
- **DiSEqC:** Ver 1.0/1.1/1.2/USALS
- **Demodulation:** QPSK(S); QPSK, 8PSK, 16APSK, 32APSK(S2)
- **Modulation Range:** 2Mbps~45Mbps
- **SCPC & MCPC:** Compatible
- **Spectral Inversion:** Auto Conversion
- **Output Interface:** LNB IN\*1, DV OUT, AV IN, USB, Power
- **HD Output:** Up to 1080p
- **Dimensions:** 95 x 155 x 45 mm
- **Weight:** 0.5 kg
- **Battery:** Li-Ion (7.4V/3000mAh), up to 4 hours operating time

## 10. WARRANTY AND SUPPORT

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GTMEDIA products are designed and manufactured to the highest quality standards. For warranty information and technical support, please refer to the warranty card included in your package or visit the official GTMEDIA website.

Keep your purchase receipt as proof of purchase.

For further assistance, please contact GTMEDIA customer service.