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› Luejnbogty TV Antenna Signal Finder Meter Model 233545 User Manual

## Luejnbogty 233545

# Luejnbogty TV Antenna Signal Finder Meter

**Model:** 233545

**Brand:** Luejnbogty



## 1. INTRODUCTION

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The Luejnbogty TV Antenna Signal Finder Meter is designed to assist in accurately positioning your terrestrial TV antenna for optimal signal reception. This device helps you locate the strongest DVB-T signal, ensuring a clear and stable television viewing experience. It features an analog meter for easy signal strength indication and a variable sensitivity adjustment for use with both near and distant TV towers.



Figure 1: Front view of the Luejnbogty TV Antenna Signal Finder Meter.

## 2. SAFETY INFORMATION

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- Read all instructions carefully before using the device.
- Do not expose the device to moisture or extreme temperatures.
- Use only the specified power supply (9V DC or 6x AA batteries).
- Keep the device away from children.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified personnel for service.

## 3. PACKAGE CONTENTS

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Please check the package for the following items:

- 1 x Digital Signal Seeker (TV Antenna Signal Finder Meter)
- 1 x Power Cable
- 1 x Battery Pack Holder (for 6x AA batteries, batteries not included)
- 1 x English User Manual



Figure 2: Package contents of the signal finder meter.

## 4. PRODUCT FEATURES

- DVB-T 95DT TV Antenna Signal Finder Meter with pointer for convenient satellite signal location.
- Designed for RV over-the-air TV antennas.
- Connects in-line with your antenna for direct signal measurement.
- Variable sensitivity adjustment to work with TV towers both near and far.
- Frequency range: 170 - 862MHz.

Frequency range: 170 - 862MHz  
Measurement accuracy - 40 ~ - 10dBm  
Input level range: 65 - 95 dBuV



Figure 3: Variable sensitivity adjustment for optimal signal detection.

## 5. SETUP

1. **Power Supply:** Insert 6x AA batteries into the battery pack holder, or connect a 9V DC power adapter (not included) to the device.
2. **Connect Antenna:** Connect your antenna cable to the **left F-Female connector** on the signal finder, labeled "ANTENNA".
3. **Connect to TV/Receiver:** Connect the power cable from the battery pack or 9V DC adapter to the **right F-Female connector** on the signal finder, labeled "POWER". This connection also typically goes to your TV or receiver.
4. **Remove Amplifiers:** Ensure any external amplifiers connected to your antenna are temporarily removed during the signal finding process to avoid inaccurate readings.

## SIGNAL METER FOR RV RADIO TV ANTENNA CONNECT IN SERIES WITH YOUR ANTENNA.



Figure 4: Connection diagram for the signal finder.

## 6. OPERATING INSTRUCTIONS

1. **Power On:** Once connected, the signal finder will power on. The meter's needle will indicate signal strength.
2. **Initial Adjustment:** If the meter's reading immediately goes to full scale, adjust the **level control knob** (located on the side) clockwise to reduce the reading to approximately 5. This prevents saturation and allows for finer adjustments.
3. **Antenna Positioning:** Slowly adjust the direction of your antenna while observing the meter's reading. Aim for the highest possible meter reading. A higher reading indicates a stronger signal.
4. **Fine-tuning:** As you approach the strongest signal, you may need to further adjust the level control knob to keep the needle within the readable range (around 5-7) for precise fine-tuning. Continue to move the antenna slightly to achieve the absolute highest reading.
5. **Final Steps:** Once the optimal antenna position is found, carefully secure your antenna.
6. **Disconnect:** Remove the signal finder from the antenna line and reconnect any external amplifiers that were

previously disconnected.

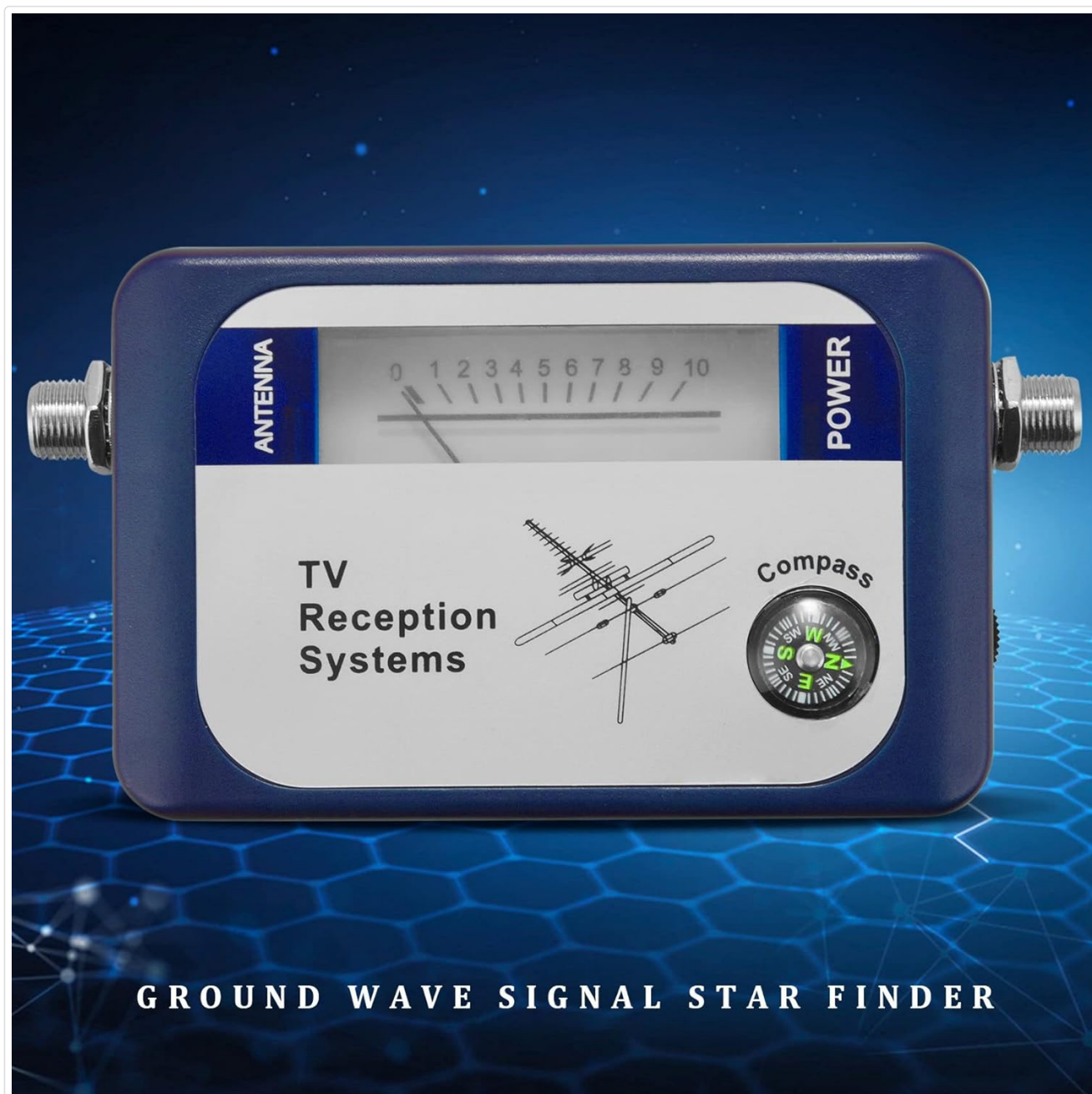


Figure 5: Signal finder in operation, showing the meter and compass.

## 7. MAINTENANCE

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- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the signal finder in a cool, dry place when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Connections:** Periodically check F-connectors for corrosion or damage.

## 8. TROUBLESHOOTING

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- **No Power/No Meter Movement:**

- Check battery installation and ensure batteries are fresh.
  - Verify the 9V DC adapter (if used) is properly connected and functional.
- **Weak Signal Reading:**
    - Ensure all cable connections are secure.
    - Adjust the antenna direction slowly and methodically.
    - Check for obstructions between the antenna and the broadcast tower.
    - If using a long cable run, consider adding an amplifier *after* the signal finder has been removed.
- **Meter Always Full Scale:**
    - Turn the level control knob clockwise to decrease sensitivity.
    - Ensure any external amplifiers are removed during the signal finding process.

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## 9. SPECIFICATIONS

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<b>Model Number</b>	233545
<b>Frequency Range</b>	170 - 862 MHz
<b>Measurement Accuracy</b>	-40 ~ -10 dBm
<b>Input Level Range</b>	65 - 95 dBuv
<b>Power Supply</b>	9V DC or 6x AA batteries (not included)
<b>Material</b>	Plastic + Metal
<b>Product Dimensions</b>	7.28 x 5.51 x 1.77 inches (100 x 35 x 65 mm)
<b>Item Weight</b>	7.2 ounces

# SIZE



Figure 6: Product dimensions.

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer where the product was purchased or contact Luejnbogty customer service through their official channels. Please have your model number (233545) and purchase details ready when contacting support.

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This manual is for informational purposes only. Specifications are subject to change without notice.

