

ROROLL WS-6933

ROROLL WS-6933 Satellite Finder User Manual

Model: WS-6933

INTRODUCTION

The ROROLL WS-6933 is a compact and efficient DVB-S2 digital satellite finder meter designed to assist users in accurately adjusting satellite dishes. This device provides real-time measurements of signal strength and quality, ensuring optimal satellite reception. Its user-friendly interface and portable design make it an essential tool for both professional installers and DIY enthusiasts.

This manual provides detailed instructions on how to set up, operate, and maintain your WS-6933 satellite finder, along with troubleshooting tips and product specifications.

SETUP

1. Unpacking and Initial Charge

Carefully remove all components from the packaging. Before first use, ensure the device is fully charged. Connect the provided 12V/1.2A DC adapter to the charging port on the device and plug it into a power outlet. The charging indicator will illuminate. A full charge typically takes approximately 3 hours, providing up to 3 hours of operating time.



Figure 1: Included accessories for the WS-6933, showing the USB cable, power adapter, and other components.

2. Device Overview and Connections

Familiarize yourself with the device's layout. The WS-6933 features a 2.1-inch LCD screen, control buttons, and various ports for connectivity.



Figure 2: Front view of the WS-6933, displaying the LCD screen, navigation buttons, and signal quality meter.



Figure 3: Top view of the WS-6933, highlighting the LNB input connector and the power switch.

- **LNB Input:** Connect your LNB cable from the satellite dish to this port.
- **Power Switch:** Turns the device ON/OFF.
- **USB Port:** Used for software upgrades.

OPERATING INSTRUCTIONS

1. Powering On and Main Menu

Flip the power switch to the ON position. The device will boot up and display the main menu on the LCD screen. Use the navigation buttons (UP, DOWN, LEFT, RIGHT) and the OK button to navigate through the menu options.



Figure 4: The WS-6933 main menu, providing access to various functions.

2. Satellite Dish Adjustment

The primary function of the WS-6933 is to help you find and optimize satellite signals. Follow these steps:

1. **Select Satellite:** From the main menu, navigate to 'Sat Setting' or 'Signal Scan'. Select the desired satellite from the pre-programmed list or add a new one.
2. **Connect to LNB:** Ensure your LNB cable is securely connected to the device's LNB input. The device will provide power to the LNB (13V/18V, IMax 300mA).
3. **Adjust Dish:** Slowly adjust the azimuth and elevation of your satellite dish. Observe the signal strength and quality readings on the LCD screen. The device provides a digital meter for both signal strength and quality (BER, PWR).
4. **Locking Signal:** When a strong signal is detected, the device will emit a sound alarm and/or light alarm, indicating a locked signal. Fine-tune the dish for the highest possible signal quality.
5. **DISEQC and 22KHz Tone:** The WS-6933 supports DISEQC 1.0/1.1 and 22KHz Tone. Configure these settings in the 'Sat Setting' menu if your setup requires them.
6. **Mechanical Compass:** Utilize the integrated mechanical compass for initial dish alignment, especially for determining the correct azimuth.

3. Additional Features

- **LNB Short Protect:** The device features LNB short circuit protection to prevent damage.
- **Beep Integrated:** Audible feedback for signal locking and navigation.
- **Auto Calculate Angle of AZ, EL:** The device can assist in calculating the approximate azimuth and elevation angles for your location.

MAINTENANCE

1. Software Upgrades

The WS-6933 supports software upgrades via its USB port. Periodically check the ROROLL official website for the latest firmware versions. To upgrade:

1. Download the latest firmware file to your computer.
2. Connect the WS-6933 to your computer using the provided USB cable.
3. Follow the instructions provided with the firmware update package to complete the upgrade.

2. Cleaning and Storage

- Clean the device with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, ensure the battery is partially charged (around 50%) to prolong its lifespan. Recharge every few months.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the device using the provided power adapter.
No signal reading.	Incorrect LNB connection; Dish not aligned; Incorrect satellite selected.	Check LNB cable connection. Ensure dish is pointed correctly. Verify the selected satellite in the menu.
Low signal quality.	Dish misalignment; Obstruction; LNB issue.	Fine-tune dish alignment. Check for any physical obstructions. Inspect LNB for damage.
Screen frozen or unresponsive.	Software glitch.	Perform a soft reset by holding the power button for 10 seconds or by turning the device off and on again. If persistent, consider a software upgrade.

SPECIFICATIONS

Feature	Specification
Display	2.1 Inch LCD Screen
Input Frequency	950~2150MHz
Input Level	-65~ -25dBm

Feature	Specification
Input Impedance	75 ohm
Measurement Type	Signal strength, quality, BER, PWR
DISEQC Support	1.0 / 1.1 and 22KHz Tone
LNB Power Supply	18/13V (IMax 300mA)
Battery	7.4V/800mAh Li-Ion Battery
Max Operating Time	3 hours
Power Adapter	12V/1.2A DC Adapter
Connectivity	USB Port for Software Upgrades
Dimensions (Package)	1.18 x 0.79 x 0.39 inches
Item Weight	3.53 ounces
Model Number	123357371

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or visit the official ROROLL website. Keep your purchase receipt as proof of purchase for any warranty claims.

If you encounter issues not covered in this manual, please contact ROROLL customer service for assistance.