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› [SATLINK WS-6980 DVB-S2/DVB-C/DVB-T2 Combo Digital Satellite Finder Meter User Manual](#)

## SATLINK WS-6980

# SATLINK WS-6980 DVB-S2/DVB-C/DVB-T2 Combo Digital Satellite Finder Meter User Manual

Model: WS-6980

## 1. INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your SATLINK WS-6980 DVB-S2/DVB-C/DVB-T2 Combo Digital Satellite Finder Meter. This device is designed for precise installation and alignment of satellite dishes, terrestrial antennas, and cable systems. It features a high-definition display, spectrum analyzer, constellation analyzer, and optical power detection capabilities, making it an essential tool for professional installers.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- 7-inch High Definition TFT LCD Screen (1024 \* 600 resolution).
- Full compatibility with DVB-S/S2, DVB-T/T2/C standards.
- MPEG-2 / MPEG-4 H.264 decoding support.
- Supports Auto, Manual, and NIT (DVB-S/S2) channel scanning.
- Blind scan support for DVB-S/S2/C.
- Integrated Constellation Analyzer and Spectrum Analyzer.
- TP detection and signal lock alarm.
- Automatic calculation of AZ and EL angles.
- DISEQC 1.0 / 1.1 / 1.2 and 0/22 KHz support.
- Built-in stereo speakers.
- AV IN / OUT and HDMI IN / OUT support.
- DC12V output support.
- Electronic compass.
- Integrated flashlight.
- Optical power detection port.
- 7.4V / 5000mAh Li-ion battery with independent charging.

- Software update via USB port.

## 2.2 Device Layout



This image displays the SATLINK WS-6980 device. It features a 7-inch color LCD screen showing the main menu interface. On the right side, there is a directional pad with an 'OK' button, along with numerical keys (0-9), 'MENU', 'EXIT', 'INFO', and 'MUTE' buttons. Below the screen, there are function buttons labeled 'AVS', 'F1' through 'F4', 'TEXT', 'SUBT', 'PVR', and 'AUDIO', along with indicator lights for 'POWER', 'H/V', '22K', 'LOCK', 'ANT', and 'CHG'.

The device's front panel includes a 7-inch LCD screen for displaying menus and signal information. To the right of the screen are navigation buttons (Up, Down, Left, Right, OK) and a numeric keypad for direct input. Below the screen are various function buttons and indicator LEDs for power, signal lock, and charging status.

## 2.3 Package Contents

Verify that all items are present in the package:

- SATLINK WS-6980 HD COMBO Unit
- User Manual (English)
- AV Cable
- 12V Car Charger Cable
- Power Adapter
- Carrying Case
- DC 12V Output Cable

## 3. SETUP

### 3.1 Charging the Battery

Before initial use, fully charge the device's internal 7.4V / 5000mAh Li-ion battery. Connect the provided power adapter to

the DC IN port on the device and plug it into a wall outlet. The 'CHG' indicator light will illuminate during charging and turn off when fully charged. A full charge typically takes several hours.

## 3.2 Initial Power On

Press and hold the 'POWER' button to turn on the device. The main menu will appear on the screen. If the device does not power on, ensure the battery is charged or connect the power adapter.

## 3.3 Connecting to Antenna/LNB

- **For Satellite (DVB-S/S2):** Connect the LNB cable from your satellite dish to the 'LNB IN' port on the device.
- **For Terrestrial (DVB-T/T2):** Connect your terrestrial antenna cable to the 'ANT IN' port.
- **For Cable (DVB-C):** Connect your cable signal to the 'ANT IN' port.

# 4. OPERATING INSTRUCTIONS

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## 4.1 Menu Navigation

Use the directional pad (Up, Down, Left, Right) to navigate through menu options. Press the 'OK' button to select an option or confirm a setting. Press 'EXIT' to return to the previous menu or the main screen.

## 4.2 DVB-S/S2 Satellite Measurement

1. From the main menu, select 'DVB-S2' (or 'DVB-S' if available).
2. Choose the desired satellite from the list or add a new one.
3. Configure LNB settings (LO frequency, 22KHz, DiSEqC).
4. Select a Transponder (TP) to measure.
5. Adjust the satellite dish for maximum signal strength and quality. The device will display real-time signal parameters such as MER, BER, C/N, and signal level.
6. Use the 'Spectrum' or 'Constellation' analyzer for advanced signal analysis.

## 4.3 DVB-T/T2 Terrestrial Measurement

1. From the main menu, select 'DVB-T2' (or 'DVB-T').
2. Select your region/country to load appropriate channel plans.
3. Perform an 'Auto Scan' or 'Manual Scan' to find terrestrial channels.
4. Adjust the terrestrial antenna for optimal signal reception. The device will display signal strength, quality, and other relevant metrics.

## 4.4 DVB-C Cable Measurement

1. From the main menu, select 'DVB-C'.
2. Enter the required parameters such as frequency, symbol rate, and modulation type.
3. Perform a scan to detect cable channels.
4. Monitor signal quality and strength to ensure proper cable connection.

## 4.5 Spectrum Analyzer

Select 'Spectrum' from the main menu to view the frequency spectrum of the received signal. This feature helps identify interference, signal peaks, and overall signal distribution, aiding in precise antenna alignment and troubleshooting.

## 4.6 Optical Power Detection

The device includes an optical power detection port. Connect a fiber optic cable to this port to measure optical signal power, useful for fiber optic distribution systems.

## 4.7 System Settings

Access 'System Setting' from the main menu to configure various device parameters, including language, display brightness, audio settings, time, and factory reset options.

## 5. MAINTENANCE

### 5.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use liquid cleaners or solvents, as they may damage the screen or casing.

### 5.2 Software Updates

Periodically check the manufacturer's website for software updates. Updates can be installed via the USB port. Refer to the specific update instructions provided with the software package.

### 5.3 Battery Care

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

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is discharged or faulty.	Connect the power adapter and charge the device. If the issue persists, contact support.
No signal detected.	Incorrect cable connection, LNB/Antenna fault, incorrect settings.	Check all cable connections. Verify LNB/Antenna functionality. Ensure correct satellite/transponder/frequency settings.
Poor signal quality.	Antenna/dish misalignment, interference, faulty cable.	Fine-tune antenna/dish alignment. Check for obstructions or sources of interference. Inspect cables for damage.
Screen is blank or frozen.	Software error or temporary glitch.	Perform a soft reset by holding the power button until the device turns off, then restart. If persistent, consider a factory reset (data loss may occur).

## 7. SPECIFICATIONS

Feature	Detail
Brand	SATLINK
Model Number	FRMNR129851 (WS-6980)
Display Size	7 Inches

Feature	Detail
Display Technology	LCD
Resolution	720p (1024x600 for TFT LCD)
Connectivity	USB, HDMI
Total USB Ports	2
Battery	7.4V / 5000mAh Li-ion
Weight	1 Kilogram
Color	Black
Supported Internet Services	YouTube (Note: This might refer to media playback capabilities rather than direct internet access for the finder function)

## 8. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, service, or inquiries regarding replacement parts, please contact your retailer or the official SATLINK support channels.

Information regarding spare parts availability and software updates is not consistently provided by the manufacturer. Please check the official SATLINK website for the most current information.

