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- › [Satlink](#) /
- › [Satlink WS-6906 Digital Satellite Finder User Manual](#)

## Satlink WS-6906

# Satlink WS-6906 Digital Satellite Finder User Manual

Model: WS-6906

## INTRODUCTION

The Satlink WS-6906 Digital Satellite Finder is a professional tool designed to assist in the precise installation and alignment of satellite dishes. It provides real-time signal strength and quality readings, enabling users to optimize satellite reception efficiently. This manual provides comprehensive instructions for setting up, operating, and maintaining your device.



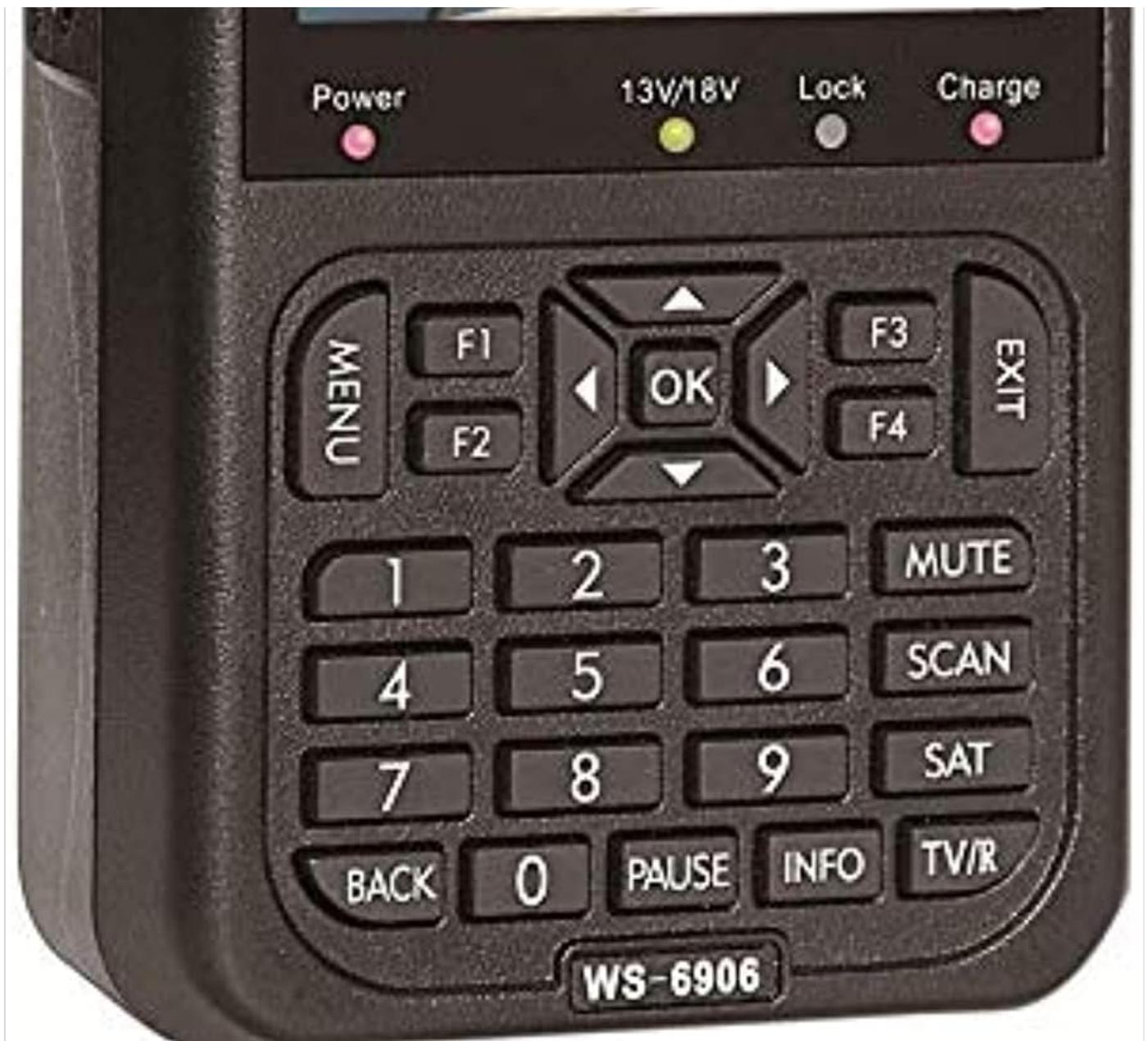


Figure 1: Front view of the Satlink WS-6906 Digital Satellite Finder, showing the LCD screen and control buttons.

## KEY FEATURES

The Satlink WS-6906 offers a range of features to facilitate satellite dish installation:

- 3.5 inch LCD Colour Screen for live FTA Digital Picture and Sound.
- AV in and AV out function.
- Ability to watch free channels.
- Sound warning prompt for locking satellite.
- Bit Error Rate (BER) Readout.
- Carrier to Noise (C/N) Readout.
- dBuV Readout.
- Lithium-ion 1950mA Battery for portable use.
- DiSEqC & 22kHz Switch Control.
- Fully DVB Compliant.
- Frequency range: 950mHz-2150mHz.

- Signal level: 65dbm~25dbm.
- Symbol rate: 2mbps~45mbps.
- Video format support: PAL/NTSC/SECAM.
- Software Upgradeable via USB.

## SETUP GUIDE

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### 1. Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed below are present and undamaged.



Figure 2: Included accessories with the Satlink WS-6906, such as the charger, cables, and carrying strap.

#### Package Contents:

- Satlink WS-6906 Digital Satellite Finder Unit
- 240v Charger
- 12 volt Cigarette Lighter Cable
- USB Cable
- Strap
- User Manual (this document)

### 2. Charging the Battery

Before first use, fully charge the internal Lithium-ion 1950mA battery.

1. Connect the 240v charger to the charging port on the device.
2. Plug the charger into a standard wall outlet.
3. The "Charge" indicator light on the device will illuminate during charging.
4. Charging is complete when the "Charge" light turns off or changes color (refer to device indicators).



Figure 3: Rear view of the Satlink WS-6906 with the battery compartment open, showing the removable Lithium-ion battery. Alternatively, use the 12 volt cigarette lighter cable to charge the device in a vehicle.

### 3. Connecting to a Satellite Dish

Connect the LNB cable from your satellite dish to the "LNB IN" port on the Satlink WS-6906.

## OPERATING INSTRUCTIONS

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### 1. Powering On/Off

Press and hold the **Power** button to turn the device on or off. The LCD screen will illuminate.

### 2. Navigating the Menu

Use the directional **arrow keys (UP, DOWN, LEFT, RIGHT)** to navigate through menu options on the 3.5-inch LCD screen. Press the **OK** button to confirm a selection. The **MENU** button accesses the main menu, and **EXIT** returns to the previous screen.

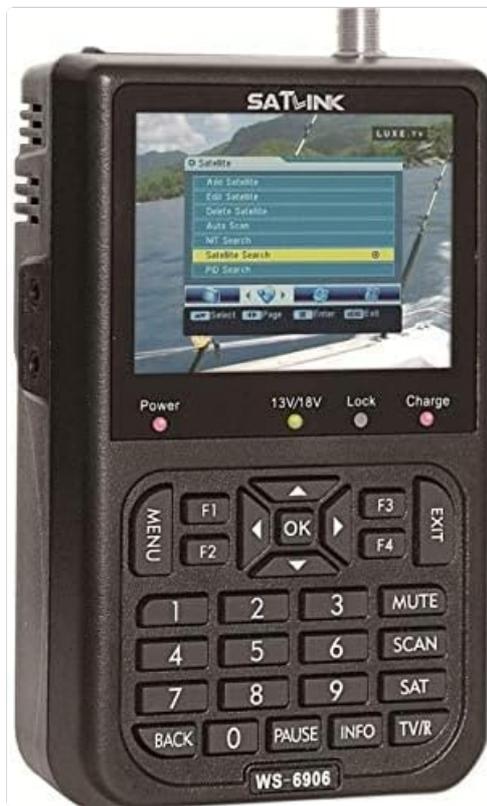


Figure 4: Detailed view of the Satlink WS-6906 control panel, showing the navigation buttons, numeric keypad, and function keys.

### 3. Satellite Search and Alignment

The primary function of the WS-6906 is to assist in satellite dish alignment.

1. From the main menu, select "**Satellite Search**" or "**Add Satellite**" to configure the desired satellite.
2. Input the correct frequency, symbol rate, and polarization for the satellite you wish to find.
3. Adjust your satellite dish's azimuth and elevation while observing the signal strength and quality indicators on the screen. The device will provide a sound warning prompt when a satellite is locked.
4. Monitor the **Bit Error Rate (BER)**, **Carrier to Noise (C/N)**, and **dBuV** readouts to fine-tune the dish for optimal signal.
5. Once the signal is strong and stable, secure the dish in place.

### 4. Watching Free Channels (FTA)

The device can display live FTA digital picture and sound.

- After locking onto a satellite, navigate to the channel list.
- Select a channel to view its content directly on the 3.5-inch LCD screen.
- Use the **AV out** function to connect the device to an external display for larger viewing.

### 5. Software Upgrade

The device's software can be upgraded via USB.

1. Download the latest firmware from the official Satlink website.
2. Copy the firmware file to a USB flash drive.
3. Connect the USB flash drive to the USB port on the WS-6906.
4. Navigate to the "System" or "Upgrade" menu option and follow the on-screen prompts to initiate the software upgrade.

# MAINTENANCE

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## 1. Cleaning

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

## 2. Battery Care

To prolong battery life:

- Avoid fully discharging the battery frequently.
- Store the device in a cool, dry place when not in use for extended periods.
- Recharge the battery periodically if stored for a long time to prevent deep discharge.

## 3. Storage

When storing the device, ensure it is powered off and kept in its protective case (if applicable) to prevent physical damage.

# TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not power on.	Battery is discharged.	Charge the battery using the provided charger.
No signal detected.	Incorrect LNB connection; Dish not aligned; Incorrect satellite parameters.	Check LNB cable connection; Re-align dish; Verify satellite frequency/symbol rate settings.
Poor signal quality.	Dish misalignment; Obstruction; LNB issue.	Fine-tune dish alignment; Clear any obstructions; Check LNB for damage.
Screen frozen or unresponsive.	Software glitch.	Perform a soft reset by holding the power button until the device turns off, then restart. If issue persists, consider a software upgrade.

# SPECIFICATIONS

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Feature	Detail
Model	WS-6906
Display	3.5 inch LCD Colour Screen
Frequency Range	950mHz-2150mHz
Signal Level	65dbm~25dbm
Symbol Rate	2mbps~45mbps
Video Format	PAL/NTSC/SECAM

Feature	Detail
Battery	Lithium-ion 1950mA
Connectivity	AV in, AV out, USB
Dimensions (Package)	26.7 x 21.7 x 7.3 cm
Weight (Package)	200 g
Manufacturer	Satlink

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact Satlink customer service directly. Keep your proof of purchase for warranty claims.

Manufacturer: **Satlink**

