

SATLINK WS-6916

SATLINK WS-6916 HD DVB-S DVB-S2 Digital Satellite Finder Instruction Manual

Model: WS-6916

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your SATLINK WS-6916 HD DVB-S DVB-S2 Digital Satellite Finder. This device is designed to assist in the precise installation and alignment of satellite dishes, ensuring optimal signal reception. Please read this manual thoroughly before using the device to ensure correct and safe operation.

2. KEY FEATURES

- Compatible with DVB-S and DVB-S2 TV FTA standards.
- Features a 3.5-inch TFT LC color display for clear viewing.
- Integrated loudspeaker for acoustic signal feedback.
- Displays signal strength and quality.
- Acoustic signal indication for easy alignment.
- Angle calculation for LNB elevation and inclination (requires coordinate input).
- Supports single cable systems with 8 selectable SCR frequencies.
- Signal level display in dB μ V, dBm, and dBmV.
- DiSEqC 1.0 / 1.1 / 1.2 support.
- Blind scan, transponder scan, and full scan capabilities.
- EPG (Electronic Program Guide) functionality.
- Automatic search for TV and radio channels.
- Multimedia function.
- AV input and output ports.
- HDMI output for connecting to an external display.
- 4:3 / 16:9 format switching.
- Built-in rechargeable battery.
- Integrated flashlight.
- USB connection for data transfer and firmware updates.

- Multi-language menu support (15 languages including German, English, French, Italian, Portuguese, Spanish, Dutch, Swedish, Finnish, Danish, Czech, Russian, Turkish, Polish, Greek).

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer.

- SATLINK WS-6916 HD Satellite Finder Unit
- 7.4V 3000 mAh Rechargeable Battery
- Nylon Protective Case
- 220V Charging Adapter
- 12V Car Charger Adapter
- A/V Cable Adapter
- English User Manual

4. DEVICE OVERVIEW

Familiarize yourself with the various components and ports of the SATLINK WS-6916.

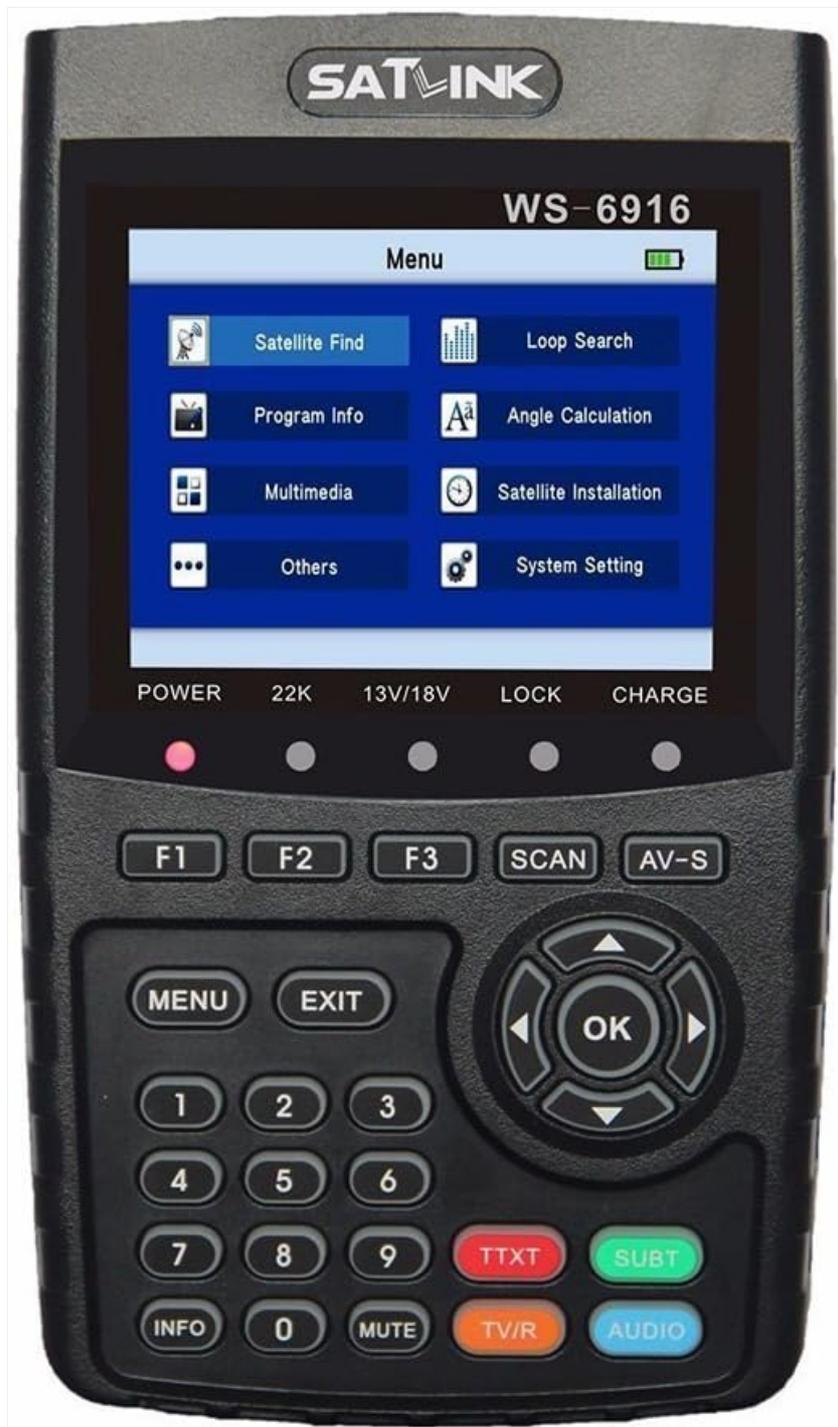


Figure 4.1: Front View. This image displays the front of the SATLINK WS-6916, showing its 3.5-inch color display with the main menu interface, the numeric keypad, navigation buttons, and function keys (F1, F2, F3, SCAN, AV-S, MENU, EXIT, OK, INFO, MUTE, TTX, SUBT, TV/R, AUDIO). Indicator lights for POWER, 22K, 13V/18V, LOCK, and CHARGE are also visible above the function keys.



Figure 4.2: Side View (Left). This image shows the left side of the device, featuring the power on/off switch, the DC charging input port, and a USB port for firmware updates and data transfer.



Figure 4.3: Back View. This image illustrates the rear of the SATLINK WS-6916, highlighting the F-connector for satellite signal input, the speaker grille for audio output, and the battery compartment.

5. SETUP INSTRUCTIONS

5.1. Charging the Battery

Before initial use, fully charge the integrated 7.4V 3000 mAh battery.

1. Connect the 220V charging adapter to the DC input port on the side of the device.
2. Plug the adapter into a standard wall outlet.
3. The "CHARGE" indicator light on the front panel will illuminate.
4. Allow the device to charge until the "CHARGE" indicator light changes color or turns off, indicating a full charge.
5. Alternatively, use the 12V car charger adapter for charging in a vehicle.

5.2. Initial Power On

To power on the device:

- Locate the power switch on the side of the unit (refer to Figure 4.2).
- Toggle the switch to the "ON" position.
- The device display will light up, and the main menu will appear.

6. OPERATING INSTRUCTIONS

6.1. Satellite Dish Alignment

The primary function of the WS-6916 is to assist in aligning your satellite dish for optimal signal reception.

1. **Connect the LNB:** Connect the LNB cable from your satellite dish to the F-connector input on the WS-6916 (refer to Figure 4.3).
2. **Select Satellite:** From the main menu, navigate to "Satellite Find" or "Satellite Installation" and select the desired satellite you wish to receive (e.g., Astra 19.2E, Hotbird 13E).
3. **Input Coordinates (Optional):** If using the angle calculation feature, input your geographical coordinates to determine the optimal elevation and azimuth for your LNB.
4. **Adjust Dish Position:** Slowly adjust the azimuth (horizontal angle) and elevation (vertical angle) of your satellite dish. Observe the signal strength and quality indicators on the WS-6916 display.
5. **Optimize Signal:** Continue fine-tuning the dish position until the signal strength and quality readings are maximized. The acoustic signal will also indicate stronger reception.
6. **Lock Signal:** Once the signal is optimized, tighten your dish mounting bolts. The "LOCK" indicator light on the device will illuminate when a stable signal is acquired.
7. **Scan Channels:** After successful alignment, you can perform a channel scan (blind scan, transponder scan, or full scan) to find available TV and radio channels.

6.2. Menu Navigation

Use the navigation buttons (up, down, left, right) and the "OK" button to move through menus and confirm selections. The "MENU" button typically returns to the previous menu or the main menu, and "EXIT" can be used to exit current operations.

6.3. Firmware Updates

The device supports firmware updates via its USB port.

1. Download the latest firmware file from the official SATLINK support website to a USB flash drive.
2. Insert the USB flash drive into the USB port on the WS-6916.
3. Navigate to the "System Setting" or "Others" menu on the device.
4. Select the "Firmware Upgrade" option and follow the on-screen prompts.
5. Do not power off the device during the update process.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or solvents.
- **Storage:** Store the device in its protective nylon case when not in use, in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to approximately 50% every few months.
- **Firmware:** Regularly check the manufacturer's website for firmware updates to ensure optimal performance and access to new features.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Battery is discharged or faulty.	Charge the battery using the provided adapter. Ensure the power switch is in the "ON" position.
No signal detected.	Incorrect LNB connection, wrong satellite selected, or dish misalignment.	Verify LNB cable connection. Ensure the correct satellite is selected in the menu. Adjust dish azimuth and elevation slowly.
Weak signal quality.	Dish not precisely aligned, LNB faulty, or obstruction.	Fine-tune dish alignment. Check LNB for damage. Ensure no physical obstructions block the signal path.
Display is blank or frozen.	Software error or temporary malfunction.	Perform a soft reset by turning the device off and then on again. If the issue persists, consider a firmware update.

9. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	WS-6916
Brand	SATLINK
Display	3.5" TFT LC Color Display
Compatibility	DVB-S, DVB-S2, MPEG-2, MPEG-4, FTA
Connections	AV Input, AV Output, HDMI Output, USB Port (1)
Audio Output Mode	Stereo
Supported Audio Format	PCM
Voltage	12 Volts
Battery	7.4V 3000 mAh Rechargeable (Integrated)
Special Features	Satellite measurement device, mute function for sound, flashlight
Recommended Use	Installation and positioning of satellite dishes

10. WARRANTY AND SUPPORT

Information regarding specific warranty terms and conditions for the SATLINK WS-6916 is not provided in this manual. Please refer to the documentation included with your purchase or contact your retailer or the manufacturer directly for warranty details and technical support.

For firmware updates and additional resources, please visit the official SATLINK website.

