

Satlink Ws 6906 How To Use

satlink ws 6906 how to use The Satlink WS-6906 is a versatile and powerful satellite signal analyzer designed for professional satellite installers and technicians. Whether you're setting up a new satellite dish, troubleshooting signal issues, or performing detailed signal analysis, understanding how to effectively operate the WS-6906 is essential. This comprehensive guide aims to walk you through the step-by-step process of using the Satlink WS-6906, covering everything from initial setup to advanced features, ensuring you maximize its capabilities for accurate and efficient satellite signal measurements.

Understanding the Satlink WS-6906

Overview of Key Features

The Satlink WS-6906 is equipped with a range of features that make it ideal for satellite signal testing:

- High-resolution color display for clear readings
- Built-in DVB-S/S2 tuner for signal scanning
- Support for multiple satellite LNB types
- Signal strength, quality, and BER (Bit Error Rate) measurement
- DiSEqC 1.0/1.2 and USALS compatibility
- Easy-to-use interface with intuitive navigation
- Multiple input options including satellite, terrestrial, and cable

Components and Accessories

Before starting, familiarize yourself with the device's parts:

- Main unit with display and control buttons
- Satellite input port (F-type connector)
- Terrestrial/cable input port
- Power supply and charger
- Remote control
- Calibration and accessories (if applicable)

Preparing the Satlink WS-6906 for Use

Charging and Powering On

- Connect the device to a power source using the supplied charger.
- Turn on the device by pressing the power button.
- Wait for the system to boot up; the main menu will appear on the display.

Connecting to the Satellite Dish

- Connect the satellite dish's LNB output cable to the satellite input port on the WS-6906.
- Ensure all connections are tight and secure to prevent signal loss.
- If using multiple LNBs or switches, connect accordingly, and configure later in the menu.

Selecting the Correct Satellite and Transponder Settings

- Access the menu by pressing the 'Menu' button.
- Navigate to the satellite list and select the desired satellite.
- Input the frequency, symbol rate, polarization, and other parameters if

manually tuning.

Basic Operations: How to Scan and Measure Satellite Signals

Performing a Satellite Scan

1. Access the Satellite Search Menu - From the main menu, select 'Scan' or 'Search'. 2. Select the Satellite - Choose the satellite you wish to scan from the list or input the parameters manually. 3. Configure Transponder Settings - Input frequency, symbol rate, polarization, and FEC if automatic scanning is not preferred. 4. Start the Scan - Press 'Start' or 'OK' to initiate the scan. - The device will analyze the transponder and display found channels and signal metrics.

Interpreting Signal Measurements

- Signal Strength: Indicates the power level received. - Signal Quality: Reflects the clarity and usability of the signal. - BER (Bit Error Rate): Shows the error rate in data transmission, with lower values indicating better quality. - Use these readings to optimize dish alignment and LNB settings.

Adjusting Dish Position for Optimal Signal

- Use the device to monitor real-time signal strength and quality. - Slightly move the dish in azimuth and elevation while observing the metrics. - Aim for the highest possible signal strength and quality for the best reception.

Advanced Features and Settings

Configuring DiSEqC and USALS

- DiSEqC 1.0/1.2 - Access the configuration menu. - Select the switch type or multiswitch configuration. - Assign the correct port numbers to satellite positions. - USALS - Input the geographic coordinates (latitude and longitude). - The device calculates optimal dish position. - Save settings and perform a scan.

Using the Signal Meter for Precise Alignment

- Connect the device and navigate to the signal meter screen. - Adjust the dish slowly while watching the meter. - Once optimal, lock the dish position.

Saving and Managing Channel Lists

- After scanning, save found channels into the device's memory. - Organize channels into favorites for quick access. - Export or import channel lists if needed.

