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Irfora LAKUSE25971UK

Satlink ST-5032 Digital Satellite Signal Finder Meter User Manual

Model: LAKUSE25971UK | Brand: Irfora

1. Introduction

This manual provides comprehensive instructions for the safe and efficient use of your Satlink ST-5032 Digital Satellite Signal Finder Meter. Please read this manual thoroughly before operating the device and retain it for future reference. The Satlink ST-5032 is a compact, lightweight, and intuitive handheld signal finder designed to be fully compliant with DVB-S2/S, ISDB-T, and J83B standards. It offers a rich set of features essential for the installation and verification of digital TV services in various settings, from residential homes to multi-dwelling units.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the device:

- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping or subjecting the device to strong impacts.
- Use only the provided power adapter for charging.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from water and other liquids.
- Ensure proper ventilation during operation and charging.

3. Product Overview

3.1 Package Contents

Upon opening the package, verify that all items are present and in good condition:

- Satlink ST-5032 Digital Satellite Signal Finder Meter
- Power Adapter (UK Plug)
- Shoulder Strap
- User Manual (this document)
- Software CD (for PC connectivity, if applicable)



Figure 3.1: The Satlink ST-5032 device shown with its power adapter, shoulder strap, and a software CD.

3.2 Device Features and Components

Familiarize yourself with the various parts and functions of your signal finder.



Figure 3.2: Multiple views of the Satlink ST-5032, highlighting its compact design and various ports.



Figure 3.3: A detailed diagram showing the indicator lights, key buttons, satellite and antenna input ports, USB port, and 12V adapter input on the Satlink ST-5032. It also highlights the 2.4-inch High Definition TFT LCD touch screen, full DVB mode compliance, MPEG-2/MPEG-4 hardware decoding, digital meter for signal strength and quality, and small case design.

- **2.4-inch TFT LCD Screen:** Provides clear visual display of signal strength, menu options, and multimedia content.
- **Control Buttons:** Intuitive buttons for navigation (MENU, EXIT, OK, directional arrows) and function keys (F1, F2).
- **Compass:** Integrated compass for assisting with satellite dish alignment.
- **Satellite Input (F-Type):** For connecting to satellite LNB.
- **Antenna Input (F-Type):** For connecting to terrestrial antenna.
- **USB Port:** For data transfer and software updates.
- **Power Input:** For connecting the DC 12V/1A power adapter.

4. Setup

4.1 Charging the Device

Before first use, fully charge the device. Connect the provided UK plug power adapter to the DC 12V/1A input port on the signal finder and plug it into a suitable power outlet. The charging indicator will illuminate. A full charge typically takes several hours.

4.2 Initial Power On

Press and hold the power button () to turn on the device. The LCD screen will display the main menu.

4.3 Connecting to a Satellite Dish or Antenna

To measure signal strength, connect the coaxial cable from your LNB (for satellite) or antenna (for terrestrial) to the corresponding F-type input port on the top of the device.



Figure 4.3: The dimensions of the Satlink ST-5032 (160mm height, 80mm width, 35mm depth) are shown, along with a clear indication of the F-type connector for satellite input/demodulation, including input frequency range (950 to 2150 MHz), signal input level (-65 to -25 dBm), band switch control (22KHz), LNB supply (13V/18V, IMax 350mA), demodulation types (QPSK, 8PSK, 16APSK, 32APSK), and symbol rate (2<Rs<45Mband).

5. Operating Instructions

5.1 Navigating the Menu

Use the directional arrow buttons (▲ ▼ ◄ ►) to navigate through menu options. Press the **OK** button to select an option or confirm a setting. Press **MENU** to return to the previous screen or the main menu. Press **EXIT** to exit a function.

5.2 Satellite Signal Finding (DVB-S2/S)

1. From the main menu, select the **DVB-S2/S** option.
2. Choose the desired satellite from the list or add a new one.
3. Adjust parameters such as LNB frequency, transponder frequency, symbol rate, and polarization as required for your satellite.
4. Point your satellite dish towards the satellite. The device's LCD screen will display the signal strength and quality in real-time, allowing for precise adjustment. The integrated compass can assist with initial alignment.
5. Optimize the dish position until the signal strength and quality readings are maximized.



Figure 5.2: The Satlink ST-5032 held in hand, illustrating its compact size and user-friendly interface for signal acquisition.

5.3 Terrestrial Signal Finding (ISDB-T, J83B)

1. From the main menu, select the **ISDB-T** or **J83B** option.

2. Select the appropriate channel or frequency range.
3. Adjust your terrestrial antenna for optimal signal reception, observing the real-time signal strength and quality on the LCD screen.

5.4 Multimedia Playback

The device supports playback of various multimedia files (mp4, mp3, jpg, bmp) via its USB port. Connect a USB storage device containing your media files to the signal finder. Navigate to the **Multimedia** section in the main menu to browse and play your files.



Figure 5.4: The Satlink ST-5032 demonstrating its multimedia playback capabilities, showing various image and video content on its display.



Figure 5.5: An illustration emphasizing the audio/video processing capabilities (MPEG4/H.264 video decompression, MPEG-1/2 Layer I/II/III, Dolby audio decompression, Stereo/Mono/R/L audio output) and the data service port (USB 2.0 interface, NTFS/FAT32 file management, mp4/mp3/jpg/bmp file formats) of the Satlink ST-5032.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight when not in use.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.
- **Software Updates:** Periodically check the manufacturer's website for firmware updates to ensure optimal performance and compatibility. Updates can typically be installed via the USB port.

7. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Connect the power adapter and charge the device.
No signal detected.	Incorrect cable connection; Incorrect satellite/transponder settings; Dish/antenna not aligned.	Ensure cables are securely connected. Verify satellite/transponder settings. Adjust dish/antenna alignment.
Screen is frozen or unresponsive.	Software glitch.	Press and hold the power button for 10 seconds to force a restart.
Cannot play multimedia files.	Unsupported file format; USB device not recognized.	Ensure files are in supported formats (mp4, mp3, jpg, bmp). Check USB connection and format (NTFS, FAT32).

8. Specifications

Category	Parameter	Value
General	Model	ST-5032
	Manufacturer	Irfora
	Country of Origin	China
Transmission Standards	Supported Standards	DVB-S2/S, ISDB-T, J83B
Satellite Input/Demodulation	Connector Type	F Type
	Input Frequency	950 to 2150 MHz
	Signal Input Level	-65 to -25 dBm
	Band Switch Control	22KHz
	LNB Supply	13V/18V, IMax 350mA
	Demodulation Type	QPSK, 8PSK, 16APSK, 32APSK
	Symbol Rate	2<Rs<45Mband(SCPC/MCPC)
ISDB-T/J83B Input/Demodulation	Connector Type	F Type
	Input Frequency	48 to 862 MHz
	Signal Input Level	-80dbm (ISDB-T), -67dbm(J83B)
	Demodulation Type	64QAM, 256QAM
LCD Features	LCD Type	TFT Transmissive
	Number of Dots	320 (RGB) x240
	LCD Screen Size	2.4"

Category	Parameter	Value
Audio/Video Processing	Video Decompression	MPEG4/H.264
	Audio Decompression	MPEG-1/2 Layer I/II/III, Dolby
	Audio Output Mode	Stereo, Mono, R/L
Data Service Port	Connector	USB
	Data Protocol	USB2.0 interface
	File Management System	NTFS, FAT32
	File Format Support	mp4, mp3, jpg, bmp
Power Supply	Li-ion Battery	7.4V/2600mAh
	Adapter Input	100~240VAC 50/60Hz
	Adapter Output	DC12V/1A
Physical Characteristics	Dimensions (W x D x H)	16 x 8 x 3.5 cm (6.3 x 3.15 x 1.38 inches)
	Net Weight	Approx. 0.7 kg
	Plug Type	UK Plug (as per model)

TRANSMISSION STANDARDS	
DVB-S2/S, ISDB-T,J83B	
SATELLITE INPUT/DEMODULATION	
Connector Type	F Type
Input Frequency	950 to 2150 MHz
Signal Input Level	- 65 to -25 dBm
Band Switch Control	22KHz
LNB Supply	13V/18V, IMax 350mA
Demodulation Type	QPSK,8PSK,16APSK,32APSK
Symbol Rate	2<Rs<45Mband(SCPC/MCPC)
ISDB-T/J83B INPUT/DEMODULATION	
Connector Type	F Type
Input Frequency	48 to 862 MHz
Signal Input Level	-80dBm (ISDB-T),-67dbm(J83B)
Demodulation Type	64QAM,256QAM
LCD FEATURES	
LCD Type	TFT Transmissive
Number of Dots	320 (RGB) x240

LCD screen	2.4"
AUDIO/VIDEO PROCESSING	
Video decompression	MPEG4/H.264
Audio Decompression	MPEG-1/2 Layer I/II/III,Dolby
Audio Output Mode	Stereo, Mono,R/L
DATA SERVICE PORT	
Connector	USB
Data Protocol	USB2.0 interface
F i l e M anage me nt System	NTFS,FAT32
File Format	mp4,mp3,jpg,bmp
POWER SUPPLY	
Li - ion Battery	7.4V/2600mAh(The machine behind labeling shall prevail)
Adapter	OUTPUT :DC12V/1A, INTUPT :100~240VAC 50/60Hz(Will be subject to actual configuration)
Power Consumption	Max. 10W
PHYSICAL CHARACERSTICS	
Size (W x D x H)	16x 8x 3.5 (cm3)
Net Weight	about 0.7kg

Figure 8.1: Comprehensive technical specifications of the Satlink ST-5032, including transmission standards, input/demodulation details, LCD features, audio/video processing, data service port, power supply, and physical characteristics.



Figure 8.2: Illustration of the optional plug types for the Satlink ST-5032, specifically showing the US (ST-5030), EU (ST-5032), and UK (ST-5032) plug variants and their respective power adapters.

9. Warranty and Support

For warranty information and technical support, please refer to the contact details provided by your retailer or visit the official Irfora website. Keep your purchase receipt as proof of purchase for warranty claims.

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