Satlink ST-5032

Satlink ST-5032 DVB-S2/S ISDB-T J83B Digital Satellite Signal Detector User Manual

Model: ST-5032 | Brand: Satlink

1. INTRODUCTION

The Satlink ST-5032 is a portable digital satellite signal detector designed for the installation and verification of digital television services in residential homes or apartment buildings. It is fully compatible with DVB-S2/S, ISDB-T, and J83B standards, offering a compact size, lightweight design, and an intuitive user interface.

This manual provides detailed instructions on how to set up, operate, and maintain your ST-5032 device to ensure optimal performance and longevity.

2. SAFETY INFORMATION

Please read all safety instructions before using the device. Failure to follow these instructions may result in electric shock, fire, or damage to the device.

- Do not expose the device to rain or moisture.
- Do not disassemble the device. Refer all servicing to qualified personnel.
- Use only the provided power adapter.
- Keep the device away from extreme temperatures and direct sunlight.
- Ensure proper ventilation to prevent overheating.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Satlink ST-5032 Digital Satellite Signal Detector

- Power Adapter (EU Plug)
- USB Cable
- Shoulder Strap
- User Manual (this document)
- Software CD (optional, for PC connection)

Image 3.1: Satlink ST-5032 device with power adapter, USB cable, shoulder strap, and software CD.

4. DEVICE OVERVIEW

Familiarize yourself with the various parts and controls of your ST-5032 device.

4.1 Front Panel

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
File Management 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

	: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

Image 4.1: Front view of the Satlink ST-5032, displaying the 2.4-inch TFT LCD screen and control buttons.

- **2.4" TFT LCD Screen:** Displays menus, signal information, and video.
- **Compass:** Integrated for easier and faster position adjustment of the satellite dish.
- **MENU Button:** Accesses the main menu.
- **EXIT Button:** Returns to the previous screen or exits a menu.
- **OK Button:** Confirms selections or enters sub-menus.
- **Directional Buttons (Up/Down/Left/Right):** Navigate through menus and adjust settings.
- **Power Button:** Turns the device on/off.
- **F1/F2 Buttons:** Function keys, their purpose may vary depending on the current menu.
- **PWR/LOCK/CHG Indicators:** LED indicators for power, signal lock, and charging status.

4.2 Top and Bottom Panels

Image 4.2: Top and bottom views of the Satlink ST-5032, highlighting the F-type connectors for satellite and antenna inputs.

- **F-Type Connectors:** For connecting to the LNB of a satellite dish or a terrestrial antenna.

4.3 Side Panels

Image 4.3: Side views of the Satlink ST-5032, showing the USB port and power input jack.

- **USB Port:** For software updates and data transfer.
- **DC Power Input:** For connecting the power adapter to charge the device or operate it directly.

5. SETUP

5.1 Initial Charging

Before first use, fully charge the device's internal Li-ion battery. Connect the provided power adapter to the DC power input on the side of the device and plug it into a wall outlet. The CHG indicator will illuminate during charging and turn off when fully charged.

5.2 Powering On/Off

Press and hold the Power button for a few seconds to turn the device on or off.

5.3 Connecting to a Satellite Dish or Antenna

Connect the LNB cable from your satellite dish to the "Satellite" F-type connector on the top of the device. For terrestrial signals (ISDB-T/J83B), connect your antenna cable to the "Antenna" F-type connector.

Image 5.1: Diagram illustrating the dimensions of the ST-5032 and how to connect satellite and antenna cables.

6. OPERATING INSTRUCTIONS

6.1 Main Menu Navigation

After powering on, the device will display the main menu. Use the directional buttons to navigate between icons and press the OK button to select an option.

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)

Image 6.1: The main menu of the Satlink ST-5032, showing options like DVB-S2, DVB-T, Cable, Loop Search, Angle Calc, Others, Multimedia, and System Set.

6.2 Satellite Signal Detection (DVB-S2/S)

1. From the main menu, select "DVB-S2" or "DVB-S".
2. Choose the desired satellite from the list or add a new one.
3. Enter the Transponder (TP) frequency, symbol rate, and polarization.
4. Adjust your satellite dish using the integrated compass and observe the signal strength and quality bars on the screen.
5. Fine-tune the dish position until the signal strength and quality are maximized. The LOCK indicator will illuminate when a signal is acquired.

6.3 Terrestrial Signal Detection (ISDB-T/J83B)

1. From the main menu, select "DVB-T" (for ISDB-T) or "Cable" (for J83B).
2. Select the appropriate region/channel plan or manually enter the channel frequency.
3. Adjust your terrestrial antenna and monitor the signal strength and quality indicators.
4. Optimize antenna position for the best signal reception.

6.4 System Settings

Access the "System Set" menu to configure language, backlight, time, factory reset, and other system parameters.

7. MAINTENANCE

7.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use liquid cleaners or solvents.

7.2 Battery Care

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

7.3 Storage

Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

8. 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 satellite/transponder settings; cable not connected properly; LNB/antenna issue.	Verify settings; check cable connections; inspect LNB/antenna.
Poor signal quality.	Dish/antenna misalignment; interference; faulty cable.	Fine-tune dish/antenna position; check for obstructions; replace cable if damaged.
Screen is blank or frozen.	Software glitch.	Press and hold the power button to force a restart. If issue persists, perform a factory reset (refer to System Settings).

9. SPECIFICATIONS

Image 9.1: Detailed technical specifications of the Satlink ST-5032, including transmission standards, input/demodulation, LCD features, audio/video processing, data service port, power supply, and physical characteristics.

General Specifications

Model	ST-5032
Manufacturer	Irfora
Dimensions (L x W x H)	21.5 x 17 x 5.2 cm (8.46 x 6.69 x 2.05 inches)
Net Weight	Approx. 0.7 kg

Satellite Input / Demodulation (DVB-S2/S)

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"

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	USB2.0 interface
File Management System	NTFS, FAT32
File Format	mp4, mp3, jpg, bmp

Power Supply

Li-ion Battery	7.4V/2600mAh
Adapter	Output: DC12V/1A, Input: 100-240VAC 50/60Hz
Power Consumption	Max. 10W

10. 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, troubleshooting assistance, or warranty claims, please contact your retailer or the manufacturer's customer service department.

Manufacturer: Irfora

Model Reference: LAKDEE25971EU