

UN!Q STAR USER MANUAL

Digital Satellite Finder SF-7000+



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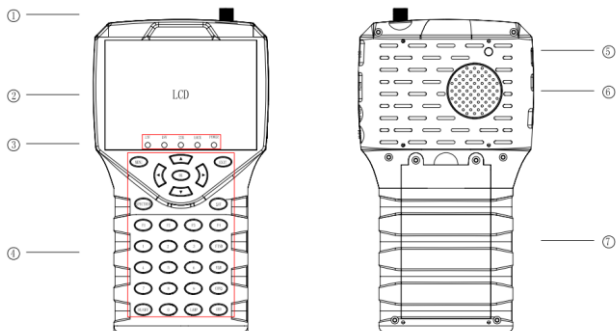
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1.Instrument briefing

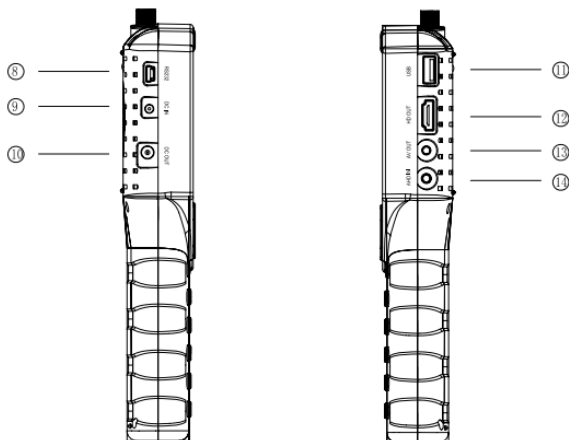
This satellite finder is a product for the installation of satellite TV test tools. Set the satellite TV signal and image shows test, radio, television, monitoring function.LNB Short-Circuit Alarm and Protection Function, With auto scan/blind scan/TP scan .Using LCD display image, LED back lighting with low power consumption. And build-in large capacity with high-performance lithium battery for the integration of high-tech electronic products.

Support AHD input ,AHD/CVI/TVI CCTV camera testing.video display,coaxial high-definition simulation, according to the video products own vehicle with DC12V power supply only output to the camera

2. Interface introduction



1. LNB IN: Satellite TV input
2. LCD Display
3. Indicator Lights:13V, 18V, 22K, Lock, Power
4. Keyboard
5. Lamp
6. Loudspeaker
7. Lithium battery :



8. RS232 : Upgrade software

9. DC IN : DC13.5V Power input for Satellite finder

10. DC OUT: DC12V Power Output for CCTV Camera

11. USB : For Software Upgrades

12. HD OUT : HDMI output

13. AV OUT : Analog/DVD Video& Audio output (on TV)

14. AHD IN : AHD analog camera input

3. Power on/off

Keep pressing the **【ON/OFF】** button for 2 seconds, device will ON/OFF

4. Menu and Function Introduction

4.1 Main Menu

Main menu consists of 7 menu options as shown below

Spectrum :Feedback the state of signal frequency and the quality of TP

Installation : Consists of antenna setting ,Motor setting,Sat setting,TP setting,TP Control.Auto DiSEqC.

Utility : Consists of game and PVR function

Channel :Consists of TV editing ,Radio editing and delete all programs

Media : Multimedia playing

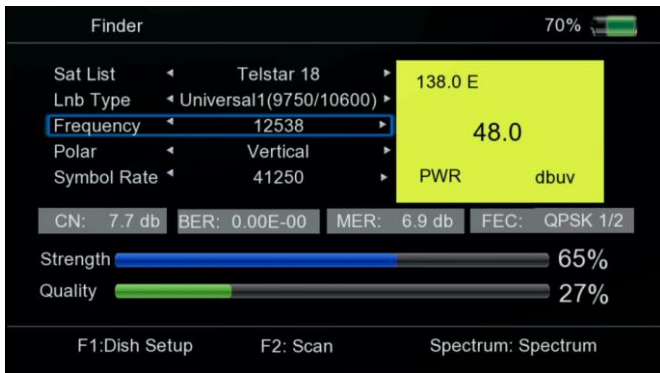
Calculation : Calculate satellite angle

Setting : System setting



4.2 Finder

Press **【FIND】** button enter finder menu, then users can check signal strength, signal quality, PWR, NIT, C/N, BER, MER, FEC etc



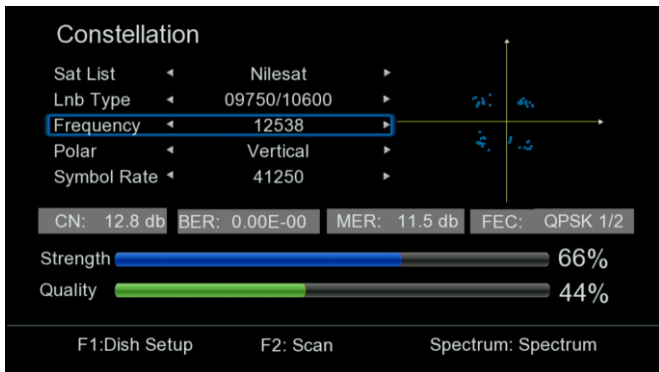
4.3 Spectrum

Press **【Spectrum】** button enter spectrum menu. Users can check the state of signal. how many frequency TP, the signal strength of each frequency points. according to the spectrum to determine the satellite antenna installation is good or poor



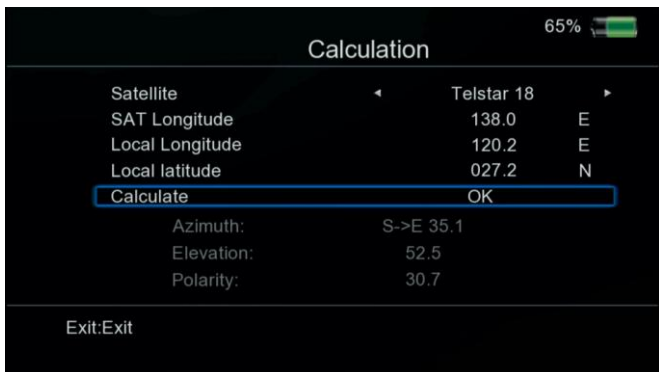
4.4 Constellation Diagram

Press **【CONS】** button enter constellation diagram. According to the distribution of constellation information, accurate analysis of the signal state



4.5 Calculate Angle

Access [Calculation] menu,select correct satellite ,Local longitude and Local latitude ,press **【Ok】** will work out Azimuth ,Elevation and Polarity



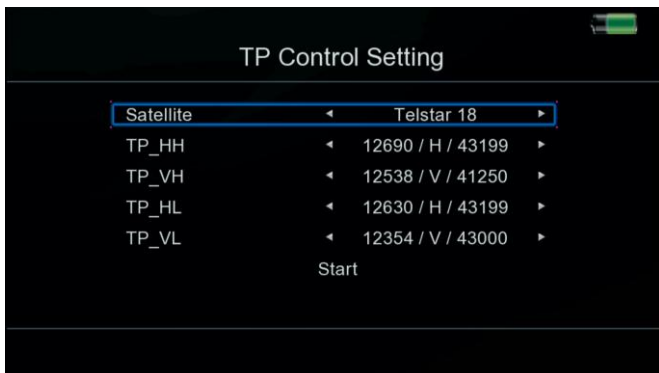
4.6 Installation

Access 【Installation】 menu, Press 【Up / Down】 button select antenna setting. Motor setting, sat setting, TP setting, TP control and Auto DiSEqC
Press 【OK】 enter the corresponding menu



4.7 TP Control

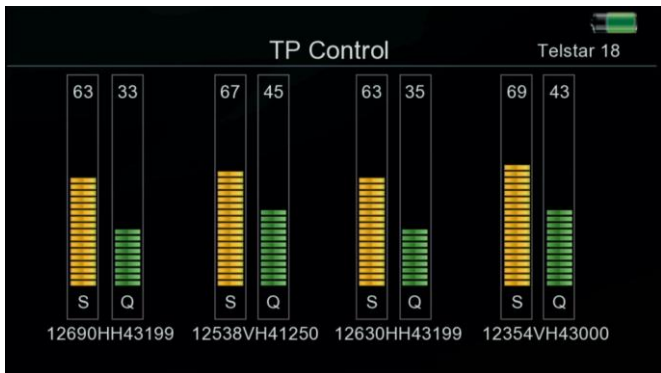
TP control menu is mainly used to display universal LNB at high and low intrinsic, vertical and horizontal four kinds of combination mode of the signal is normal or not, then find the problems of the antenna installation



Step:

1.Select correct satellite and edit TP.TP_XX,The first “X” meaning of Polarization voltage H or V. the second “X” meaning of LNB “H” the meaning of high LO. “L” the meaning of low LO.after editing the TP. Start TP control function.

2.Check TP Control info.access TP Control display menu.check the quality and strength of signal ,then users can quickly determine the installation of satellite antenna



4.8 Auto DiSEqC

Auto DiSEqC function for complex satellite signal wiring, quickly distinguish between the various DiSEqC port access to which specific signal, easy to detect the connection of the line. This feature supports DiSEqC1.0, DiSEqC1.1 and 1.0 and 1.1 combined wiring.



Auto DiSEqC1.0 Setting:

- 1.Setting DiSEqC 1.0 “Auto”
- 2.Setting DiSEqC 1.1 “OFF”
- 3.Select users satellite
- 4.Setting LNB
- 5.Press **【OK】** button and Start Auto DiSEqC
- 6.After search ,users will determine the corresponding satellite ports



Auto DiSEqC1.1 Setting:

- 1.Setting DiSEqC 1.0 “non Auto”
- 2.Setting all ports “OFF”
- 3.DiSEqC1.1 will auto switch to “Auto”
- 4.Refer to DiSEqC1.0 Setting

4.9 Utility

Utility menu consist game and PVR function .Press **【Up/Down/left/right】**
【OK】 button select and enter the corresponding menu

4.10 Program Edit

This menu consist of TV edit, Radio edit and delete all programs ,enter
and exit menu via **【Up/Down/Left/Right】** , **【OK】** , **【Exit】** button.

4.11 System setting

This menu consist of system information ,system operation and personal favorite setting.Press the UP/DOWN button to select an option and press RIGHT/LEFT button to edit.

4.12 USB Multimedia Playing

The menu provides options to playback video,music,pictures,documents and PVR files via USB flash

4.13 AHD and external video function

AHD function is used in display signal input and need 12V power output,connect AHD camera and display pictures via TV set.convenient install of camera ,and support AV signal input

Steps:

1. Please use original DC output line for AHD charging

One end insert into DC OUT port of device

The other end insert into DC port of camera

2. Please use original AHD signal connecting line and AV line.

AV line insert into AV IN port of device and yellow line insert into AHD connector of camera

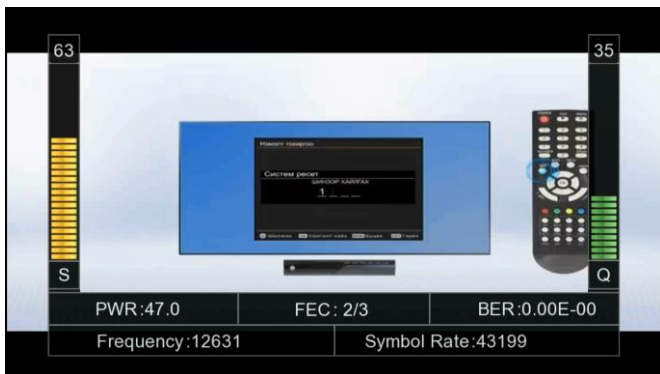
3. Turn on device .then press **【AHD】** switch to AHD input mode

.then will see AHD camera pictures and adjust the direction of the camera .

Noted : Power output is 12V,max output electric current is 0.8A,If the camera power is too large, please do not use the 12V output, avoid damage to the camera or the equipment.

4.14 Program Signal

Display signal strength,signal quality,PWR,FEC and BER etc



After Searching ,press **【Exit】** button exit all menu,enter full-screen play video mode,press **【F4】** button display channel information ,press **【F4】** button again display signal strength .press **【Exit】** button exit .

4.15 Software Upgrade

Upgrade new software,fix the problem ,develop new features and meet user experience

Steps:

- 1.Copy upgrade file to USB flash.then insert it into USB port
2. Access **【Upgrade】** menu and select USB flash ,press **【right】** or **【OK】** button select correct software file,press **【OK】** enter upgrade menu.
- 3.Upgrade type: Select **【USB】**
Upgrade block: Select **【ALL】**
Upgrade file path: Select correct upgrade file.press **【OK】**
- 4.Start Upgrade :After the completion of the upgrade will reboot automatically

Noted : Keep the device is fully charged and do not power off during upgrade.

4.16 Lamp

Keep the device power on ,Press **【LAMP】** button.lamp will be bright

4.17 External Television

Connect television with HDMI cable,then watch HD channels via television.

5. Package contents:

Part	Qty
Satellite Finder	1
AV Cable	1
Power Adapter (13.5V)	1
Connector	1
DC out connector	1
User Manual	1

6. Troubleshooting:

Problem	Potential Reasons	What to do
No boot	Short press to turn on	Press ON/OFF button for 2 seconds
	Low battery	Keep full charge
No charge	Power adapter incorrect	Use the original power adapter
AHD no working	No switch to AHD mode	Press 【AHD】 button switch to AHD mode
	Connection error	Refer to AHD chapter
DC OUT no power output	Power adapter can not start external device	Use the original power adapter
Can't upgrade	Upgrade file error or damage	Download upgrade file again, then use new USB flash upgrade again

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