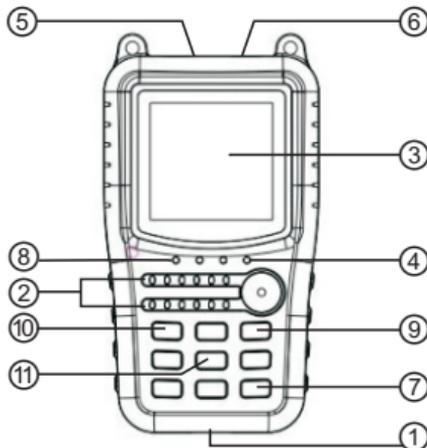


# **USER'S MANUAL**

## **Digital Satellite Finder**

# FRONT PANEL



No.	Item	Description
1	USB-Port	USB port for PC connection and power supply connection
2	Signal-LEDs	Shows the satellite signal quality, the more lights, the stronger signal quality
3	LCD-Display	Display the menu and the measured values
4	22K/13V/18V-LEDs	LED lights when 22K/13V/18V switch on
5	LNB-IN	Satellite signal input
6	LNB-IN	Terrestrial signal input (Optional: LOOP OUT)
7	POWER-button	Switch finder on/off
8	POWER-LED	Operation: Red: the finder is on Off: the finder is off Charging: Green: The battery is being charged Orange: The battery is full
9	Exit-button	Leave the current menu, cancel operation
10	Menu-button	Switching between DVB-S2/DVB-T2/Setting menu
11	Navigation-cross OK-button	Navigation through menus, switching programs ▲, ▼, ◀, ▶ OK button: confirmation

## ➤ Charging:

- If the finder is being used for the first time, it may be necessary to charge for about 6 hours. If the battery runs low during use, you should recharge it for 5 to 6 hours, it will be full until the power light turns to orange from green. Rechargeable Li-ion battery lasts approximately 4 hours on a full charge.
- It may be necessary to turn off the finder while charging. Universal charger operating on 110vac/60Hz or 220vac/50Hz makes it usable anywhere.

## ➤ Turn on/off

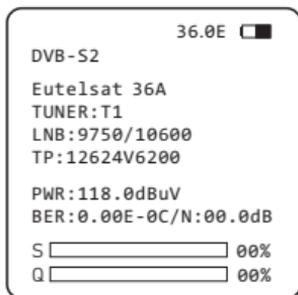
- Press and hold the POWER button for 2 seconds, the finder will display WELCOME screen and enter the main menu.
- Press and hold the POWER button for 2 seconds again to turn off.

## ➤ Restore factory setting

- From the setting menu, you can find the factory reset item.
- Press OK button to confirm.
- After factory resetting, all modified and saved contents will be lost.

## ➤ DVB- S2 menu:

- From the main screen, move cursor to SAT Name, Use [◀][▶] buttons to switch between different satellites, select the one you want.



## ➤ Select LNB

- From the main screen, move cursor to LNB, Use [◀][▶] buttons to select the default LNB frequency. The LNB frequency must be the same as on the antenna.
- If no default frequency you need, press OK button to edit, you can key in the LNB frequency by using direction buttons and press OK button in the end.

# INSTRUCTION

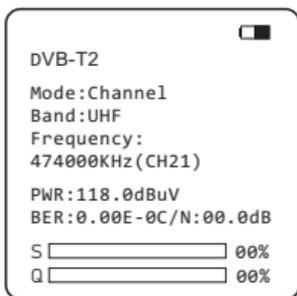
## ➤ Select parameter:

- From the main screen, move cursor to TP, Use [◀][▶] buttons to select the parameter that you want.
- If no default parameters you need, press OK button to edit, you can key in the frequency, symbol rate and polarization by using direction buttons and press OK button in the end.

## ➤ DVB-T2 menu:

### Select Mode

- From the DVB-T2 screen, move cursor to Model, Use [◀][▶] buttons to switch between Channel and Frequency, select the one you want .



### Select Band

- From the main screen, move cursor to Band, Use [◀][▶] to switch between UHF and VHF or 6MHz, 7MHz and 8MHz

### Select Frequency

- From the main screen, move cursor to Frequency, Use [◀][▶] buttons to select the frequency that you want.
- If no default frequency you need, press OK button to edit, you can key in the frequency by using direction buttons and press OK button in the end.

## ➤ Detect signal:

- After signal detected, the finder lights the LED bar and beeps, View the PWR and a.BER on the screen, the value of POWER is higher, the strength of signal is better and stronger.

## ➤ Save current setting:

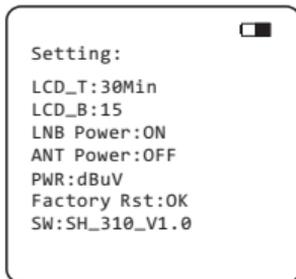
- The finder will automatically save the current setting while any action is not be operated within 5 seconds.

## ➤ Mute:

- DVB-S2 Menu: From the main screen, move cursor to satellite name or TUNER.
- DVB-T2 Menu: From the main screen, move cursor to Mode or Band Press the [OK] buttons to mute the sound and the screen will display mute OSD.
- Press the [OK] buttons again to restore the sound

## ➤ Setting menu:

- From the main screen, Press Menu button to switching between DVB-S2 / DVB-T2 / Setting menu.



- From the setting screen, Press the [▲][▼] button to select the following points:  
LCD\_T: you can setting the time LCD backlight turns off automatically.  
LCD\_B: you can setting the LCD Brightness.  
LNB Power: you can setting the LNB POWER ON/OFF.  
PWR: you can choose the PWR Units.  
ANT Power: you can setting the ANT Power ON/OFF

## ➤ Upgrade:

- Download the latest software, parameters and tool from our website.
- Connect signal finder with PC by USB cable.
- Press the POWER button to start the signal finder.
- Copy software or parameter to the internal memory of signal finder (parameter file need to be transferred into bin file).
- Take out the USB cable and restart the signal finder.
- Finish the update process.
- The satellite parameters need to be updated every three months.

## ➤ Notice:

- Before being ready to seek satellite signal, make sure that the cable is properly connected first.
- While installing the antenna, make sure that the LNB in port of finder is well connected to the tuner of the antenna with tested cable. Turn the antenna in the approximate direction, the finder will light the LED bar and beep when the antenna is close to the satellite. Continue to turn the antenna in the direction that makes the finder lights more LED and beep quicker. View the PWR value on the screen, continue to turn the antenna until the finder shows the maximum value of PWR, lock in the best position of antenna.
- Through this function, user can quickly and easily find the right satellite and accurately set the dish.

## ➤ Warning:

- Only qualified personnel may dismantle device and charger.
- Do not drop device and charger into water or fire.
- Do not shock or vibrate the device and charger.
- Make sure that the battery is full charged while upgrading. Do not switch off the device or pull out the cable while upgrading.

## ➤ Battery & charger:

- Only use original batteries and chargers. The use of any other types may be dangerous or damage to device.
- Dispose of batteries according to local regulations.
- Do not crush, puncture the battery. Avoid extreme temperatures and high pressure.
- If left unused, a full charged battery will lose its charge over time, please recharge before using.
- Unplug the charger from the electrical plug when not in use.

# Technical Specifications

## DVB-S/S2

F-type connector	IEC 169-24
Frequency range	950MHz ~ 2150MHz
Input level	-65dBm ~ -25dBm Input
Input Impedance	75Ω
LNB power supply	14/18V, Max 650mA
LNB switch control	22kHz

## Demodulator

Demodulator front end	QPSK, 8PSK, 16APSK, 32APSK
Symbol rate	2Mbps~45Mbps
Measurement Unit	dBm, dBuV

## DVB-T/T2

F-type connector	IEC 169-24
Input Impedance	75Ω
Input level	-85dBm ~ -20dBm
Band Width	6MHz ,7MHz,8MHz
Modulation	QPSK, 16QAM, 64QAM, 256QAM
Frequency range	174~230MHz(VHF), 470~862MHz (UHF)
Antenna power supply	5V , max 100 mA

## Connectors

Serial data interface	USB 2.0 Port
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## Power supply

Supply voltage	DC10.0V 1A
Li-on battery	2800mAh Li-on
Working time	about 4 hours
Supply voltage (charger)	AC 110~250V 50/60Hz

## Temperature

Operating temperature	0°C to + 40°C
Storage temperature	-10°C to + 50°C

## Dimensions

Length x width x height	8x 15.5 x 3.5cm
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## Weight

Weight	0.3 Kg
Gross weight	0.65 Kg

