USER'S MANUAL
Digital Satellite Finder

No.	Item	Description
1	USB-Port	Connect to U Disk
2	MINI USB-Port	USB port for PC connection and power supply connection
3	HDMI-Port	Connect to TV through HDMI cable
4	LNB-IN	Satellite signal input
5	LCD-Display	Display the TV program, the operation menu and the detailed parameters
6	LOCK-LED	LED lights when satellite signal is locked
7	POWER-LED	Operation: Red: the finder is on Off: the finder is off Charging: Green: The battery is being charged
8	Power-keys	Switch finder on/off
9	Function -keys	F1: Switch LCD on/off F2: Mute F3: To switch between TV program and Radio program F4: Information
10	Menu-keys	Display the main menu
11	Exit-keys	Leave the current menu, cancel operation
12	LED-keys	Switch the LED on/off
13	Navigation-keys OK-keys	switch programs ▲, ▼ volume control ◄, ► OK keys: confirm for selection

INSTRUCTION

➢ Charging

- If the finder is being used for the first time, it may be necessary to charge for no longer than 12 hours. If the battery runs low during use, you should recharge it for 5 or 6 hours, it will be full when the power light turns to orange from green.
  Fully rechargeable Li-on batteries can last approximately 4 hours.
- It may be necessary to turn off the finder while charging. A 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 turn on.
- Press and hold the POWER button for 2 seconds again to turn off.

➢ Language setting

- From the system setting menu, you can find the language setting item. Select your language and press the OK button.

➢ Restore factory setting

- From the system setting menu, you can find the factory Reset item. You can choose "Factory Reset". Press the OK button to confirm.
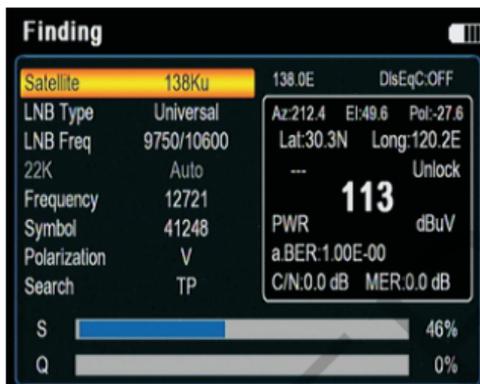- After a factory reset, all modified and saved contents will be lost.

➢ Input Local Longitude and Latitude

- From the system setting menu, you can find the local position item.
  Local Longitude: Input your local longitude.
  Local Latitude: Input your local latitude.

➢ **Satellite Finding:**

Finding			
Satellite	138Ku	138.0E	DisEqC:OFF
LNB Type	Universal	Az:212.4	El:49.6 Pol:-27.6
LNB Freq	9750/10600	Lat:30.3N	Long:120.2E
22K	Auto	---	Unlock
Frequency	12721		113
Symbol	41248	PWR	dBuV
Polarization	V	a.BER:1.00E-00	
Search	TP	C/N:0.0 dB	MER:0.0 dB

S		46%
Q		0%

Select Satellite

• From the finding menu, move the cursor to Satellite, you can browse the satellites list, use [◄][►] buttons to switch between different satellites, select the one you want, press the OK button.

Select LNB

• From the finding menu, move the cursor to LNB Type, Use [◄][►] buttons to choose LNB Type between Single, Universal and MDU, then move the cursor to the next bar, Use [◄][►]buttons to select the default LNB frequency. The LNB frequency must be the same as the LNB on the antenna.

Select parameter

• From the finding menu, move the cursor to Frequency, use [◄][►] buttons to select the parameter that you want.

• If no default parameters, press the OK button to edit, you can key in the frequency, symbol rate and switch the polarization by using direction buttons and pressing the OK button.

Detect satellite signal

• After signal detected, the finder will display signals at the signal bar and beeps. View the PWR,C/N,MER, a.BER and NIT on the screen, if the value of POWER is higher, the strength of signal is better and stronger. You can also search the satellite channel list by pressing the OK button.

• From the finding menu, move the cursor to search, Use [◄][►] buttons to choose search Type between TP, Satellite and Blind.

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  Value

  0.00E：show the longitude of the chosen satellite

  DiSEqC：show the DiSEqC port of the chosen satellite

  Az：show the azimuth angle of the chosen satellite

  El：show the elevation angle of the chosen satellite

  Pol：show the polarity angle of the chosen satellite

  LAT：show the local latitude of the chosen satellite

  LONG：show local longitude of the chosen satellite

  NIT：show the longitude of the locked satellite

  C/N：show the C/N value of the locked satellite

  MER：show the MER value of the locked satellite

  a.BER：show the a.BER value of the locked satellite

➢ Software & Parameters upgrade

- Copy the software or parameters to the USB stick, insert the USB, the system will display" USB Device connected", navigate to the USB menu, Press [OK] to enter the upgrade menu, Use [◄][►] buttons to choose Upgrade Type between USB Upgrade and Backup Data, move the cursor to Section, Use [◄][►] buttons to select the mode you want, to upgrade software select Software, to upgrade parameters select CSV.

- Then move the cursor to File Path, Press [OK] to select upgrade files. Press Start to upgrade the files. During upgrading, do not power off the finder.

➢ **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, beep when the antenna close to the satellite. Continue to turn the antenna in the direction that makes the finder 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 it's charge over time, please recharge before using.
  • Unplug the charger from the electrical plug when not in use.

LNB Input

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

Connectors

Serial data interface	USB 2.0 Port
Video/audio interface	HDMI 1.4

Power supply

Supply voltage	DC10.0V 1A
Li-on battery	2600mA
Battery working time	about 4 hours
Supply voltage (charger)	AC 110 ~ 250V, 50/60Hz

Dimensions

Length x width x height	21 x 12.5 x 3.5 cm
Weight	0.35 Kg
Gross weight	0.65Kg

Temperature

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