DIGITAL SATELLITE FINDER
USER'S MANUAL

Please read this manual carefully before using this device for the first time.

The technical specifications and operating methods included in this manual are subject to changes without notice. In case of any inquires after a period

of usage, please contact the manufacturer.

Please make sure of charging the battery before using for the first time.

Recommend 5 hours

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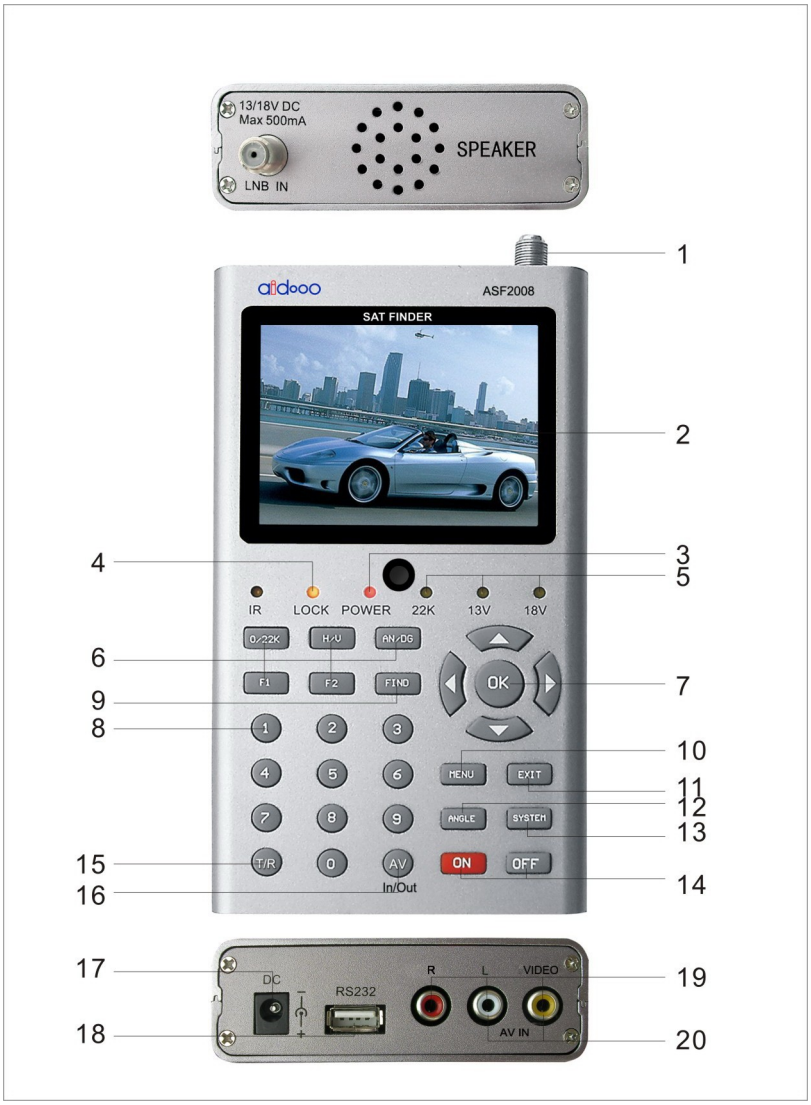
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Chapter I Introduction

Digital satellite finder is simple and convenient for setting and aligning a satellite dish. With the parameters of satellite, you can set and align a satellite dish quickly, easily and accurately.

Chapter II Function

A. Front Panel



<Figure2-1>

(1) LNB INPUT

Satellite signal input port, connects directly to satellite antenna with coaxial cable.

(2) LCD Screen

Shows menus and programs clearly

(3) Power Light

Indicates ON/ OFF mode

(4) Lock Light

This light will be on when signal is locked.

(5)22K/13V/18V light

Indicates the mode of 22K/13V/18V

(6) Function Key

Consist of 2 keys, F1 – F2.

F1: Changes the signal bar on SIGNAL FINDING menu

F2: Actives DiSEqC1.2 function on the SIGNAL FINDING menu

AN/DG: Actives the spectrum on the SIGNAL FINDING menu

0/22K: A quick key to switch 22K output on the SIGNAL FINDING menu

H/V: A quick key to switch 13V/18V output on the SIGNAL FINDING menu

(7) Arrow Key and OK Key

Use Arrow key to browse the item, press OK key to select.

(8) Numerical Key

Enters numerical settings directly.

(9) FIND Key:

Accesses easy satellite find menu that sets and aligns a satellite dish quickly.

(10) MENU Key:

Enters or exits the main menu.

(11) EXIT Key

Exits from the present menu and backs to the previous one

(12)ANGLE Key

Accesses the AZ, EL and Polarity calculation menu

(13) SYSTEM Key

Sets up all system parameters

(14) POWER Key

For turn-on / turn-off. To press and hold for 3 seconds to power on the device

(15) TV/RADIO

Selects and plays TV/Radio channel in playing mode.

(16) AV Optional

Shifts AV output /AV input

(17) Charge port:

Connects with the charger cord.

(18) USB Port:

Connects with PC for upgrade.

(19) R/L/VIDEO:

Output audio and video signal.

(20) AV IN:

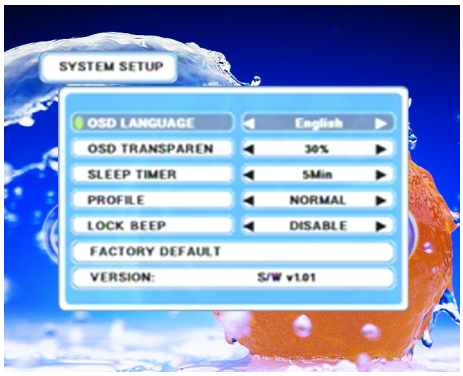
Input audio and video signal to LCD screen.

B. Quick Operation

With this function, user can quickly and easily point the right satellite and accurately set the dish.

1、Menu language Setting

1. Turn on the satellite finder
2. Press SYSTEM button to display the setting menu. see <Figure2-2>

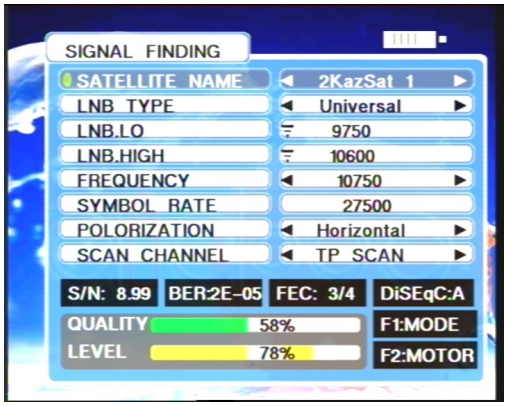


<Figure2-2>

3. Use [◄][►] button to change the language items . Select the language that you need.

2、 Quick operation guide

1. Press the FIND button to display the signal finding menu, see <Figure2-3>



<Figure2-3>

2. SATELLITE NAME: Use [◄][►] button to select the satellite .
3. LNB SETTING: Select the item needs to edit, and set its parameters as desired.

   LNB Type: Use [◄][►] button to select C/Ku/Universal

   LNB.LOW: input the parameters as desired by number key

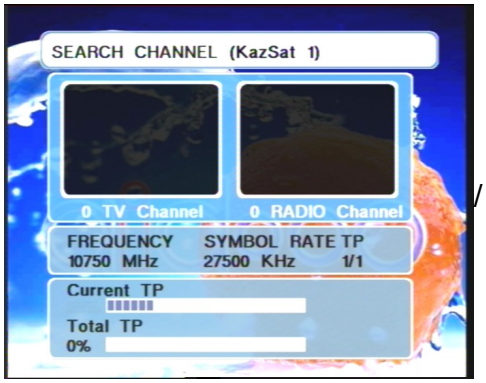
   LNB.HIGH: input the parameters as desired by number key.
4. TRANSPONDER: Use [◄][►] button to select the TP frequency

   FREQUENCY: Set parameters and numerically input.

   SYMBOL RATE: Set parameters and numerically input.

   POLARITY Use [◄][►] button to select between vertical and horizontal
5. In the course of signal searching, you can see the bar meter of the LEVEL and QUALITY, as well the numerical of S/N, FEC, BER, at the same time the LOCK light will come on with the speaker notification. DiSEqC will indicate which port is connected to the DiSEqC1.0 switch.
6. Adjust the dish slightly to get the strongest signal
7. SCAN CHANNEL: Use [◄][►] button to select the scan mode, then press OK to start.

   (a.) TP SCAN: Scan transponders one by one, see<Figure2-4>

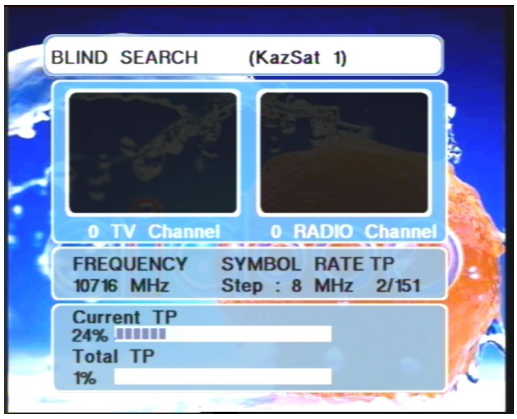


<Figure2-4>

(b.) TP NIT: Scan the transponders in one certain network

(c.) SAT SCAN: Scan all the transponders in one satellite (these transponders have been set).

(d.) Blind 8MHz: Blind scan the frequency from 950-2150 by step 8MHz; see<Figure2-5>

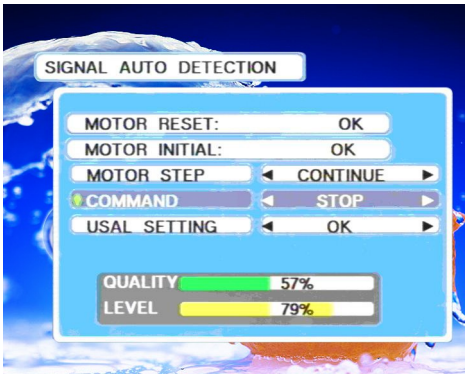


<Figure2-5>

(e.) Blind 12MHz: Blind scan the frequency from 950-2150 by step 12 MHz.

8. MODE CHANGE: Press F1 to shift the signal bar mode between Outdoor / Normal

9. MOTOR SETTING: Press F2 to active the DiSEqC1.2 control menu , see<Figure2-6>



<Figure2-6>

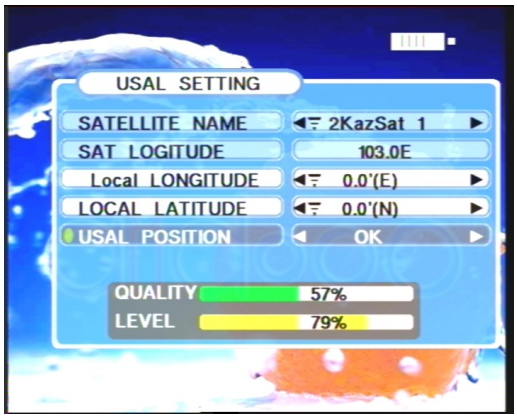
(a.) MOTOR RESET: Clear the limit of the position, Press OK on the item.

(b.) MOTOR INITIAL: Back to the initial position, Press OK on the item.

(c.) COMMAND: Control motor moving to west or east, Use [◄][►] button to shift.

Stop option automatically once the signal is locked.

10. USAL SETTING: Press OK on the USAL SETTING item, see <Figure2-7>



<Figure2-7>

(a.) LOCAL LONGITUDE: The longitude of local city.

(b.) LOCAL LATITUDE: The latitude of local city.

(c.) USAL POSITION: To control the motor to be on the right position, Press OK to set up.

C. Detailed operation Guide

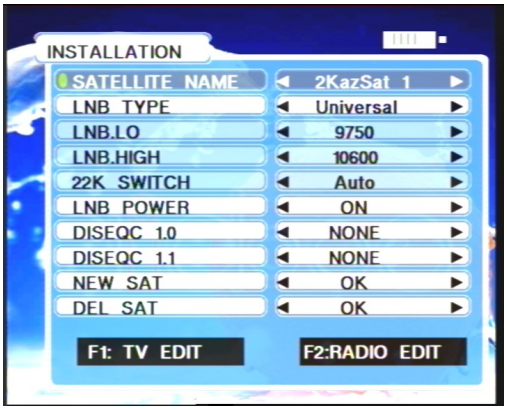
1) Turn on the equipment

Press POWER ON button and hold for 3 seconds to turn on the device

TIPS: Release the POWER ON button when the logo is displayed.

2) INSTALLATION

Press OK on INSTALLATION then the following window appears, see <Figure2-8>



<Figure2-8>

1、 SATELLITE NAME: Use [◄][►]button to browse or press OK to show the satellite list to select.

2、 LNB TYPE: Use [◄][►]button to select the item

3、 22K SWITCH: Use [◄][►]button to shift AUTO/ON/OFF

4、 LBN POWER: Use [◄][►]button to choose OFF /ON

5、 DISEQC1.0: Use [◄][►]button to choose DISEQC switch port A/B/C/D

6、 DISEQC1.1: Use [◄][►]button to choose from DISEQC switch port 1 to port 16,

7、 NEW SAT: Press OK to add a new satellite by entering satellite name

8、 DEL SAT: press OK to delete the current satellite.

9、 TV EDIT: Press F1 to edit TV channel, see <Figure2-9>



<Figure2-9>

(a.)MOVE INDEX:

(1.) Moves channel to another position. Press 2 to MOVE INDEX mode, and the MOVE INDEX on the help information will be highlighted.

(2.) Press OK to select a channel.

(3.) Use UP/DOWN key to move the cursor, and then press OK to confirm the destination position.

(b.) DELETE CHANNEL:

(1.) Deletes the current channel. Press 3 to DELETE CHANNEL, and the DELETE CHANNEL on the help information will be highlighted.

(2.)Use UP/DOWN key to select a channel

(3.) Press OK to delete.

(c.)NAME EDIT

(1.) Press 4 to NAME EDIT, and NAME EDIT on the help information will be

highlighted.

(2.) Press OK to enter name with soft keyboard on screen.



SOFT KEYBOARD instruction:

Use [◄][►][▲] [▼] buttons to move cursor and Press OK to pick the alphabet.

Use SAVE button on keyboard to save the channel name entered in.

Use DEL button on keyboard to delete the alphabet entered.

Use OTHER button on keyboard for shifting upper/lower case.

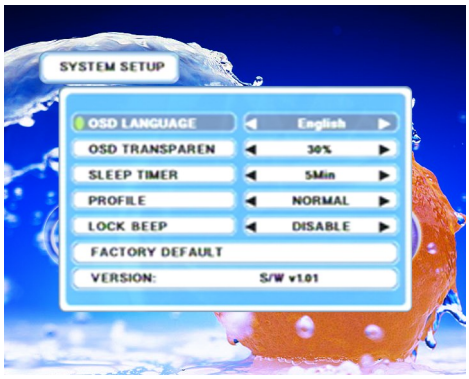
Use EXIT button to leave soft keyboard mode.

11. RADIO EDIT: Press F2 to edit radio channel.

Usage instruction refers to TV EDIT

3) SYSTEM SETTING

1. Press SYSTEM button to display setting menu, see <Figure2-10>



<Figure2-10>

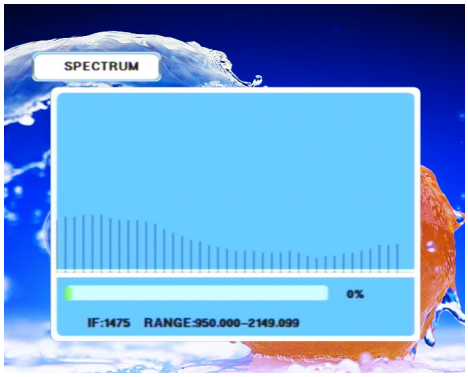
2. OSD TRANSPARENT: Use [◄][►]button to adjust OSD transparent mode.
3. SLEEP TIMER: Use [◄][►]button to set up the sleep timer mode.
4. PROFILE : Use [◄][►]button to shift the normal mode and outdoor mode
5. LOCK BEEP: Signal locked beep mode, Use [◄][►]button to switch on/off the beep

when signal locked

6. FACTORY DEFAULT: Remove all the user data, press OK to confirm on the item.

4) SPECTRUM

Press AN/DG on the signal finding menu, the spectrum of the current satellite signal will be displayed as <Figure2-11>



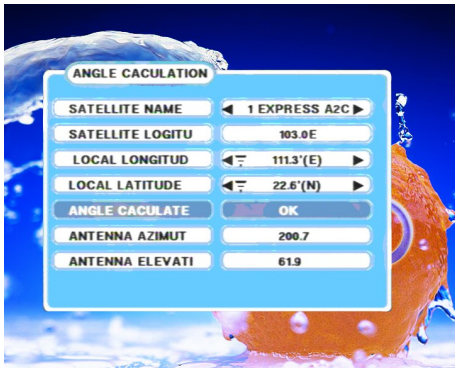
<Figure2-11>

IF: the current selected frequency

Level: the selected frequency strength

5) ANGLE CACULATION

1Press ANGLE button to display the Calculation menu, see <Figure2-12>



<Figure2-12>

2. SATELLITE NAME: Use [◄][►]button to browse , or press OK to show the satellite list to select.

3. LOCAL LONGITUDE: the longitude of local city.

4. LOCAL LATITUDE: the latitude of local city.

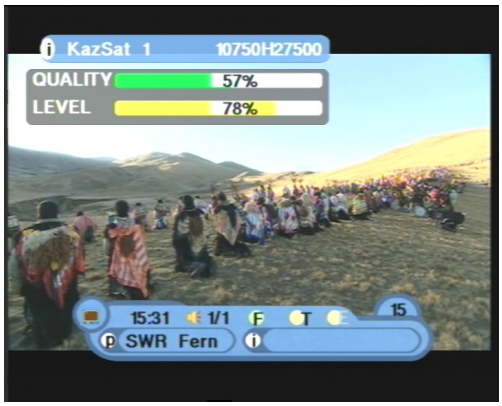
5. ANGLE CACULATION: Start to calculate the azimuth and elevation, and press OK to confirm.

6. ANTENNA AZIMUTH: shows the azimuth of the chosen satellite.

7. ANTENNA ELEVATION: shows the elevation of the chosen satellite.

6) CHANNEL INFORMATION

Press F1 in the playing mode then < Figure2-13> shown



< Figure2-13**>**

Satellite name and transponder information will be displayed.

7) CHANNEL LIST

Press OK in the playing mode then < Figure2-14> shown:



< Figure2-14>

1. Use UP/DOWN key to move the cursor,
2. Press OK to play a new channel
3. Press EXIT to back to playing mode.

8) TV/RADIO MODE CHANGE

Press TV/RADIO key in the playing mode to shift.

Specifications

System capabilities	Fully DVB compliant	Yes
LNB/Tuner input	Connector	F type, male
	Frequency range	950MHz-2150MHz
	Signal lever	-65dBm~-25dBm
	LNB supply	13/18V,max400mA
	LNB switch control	22KHz
	DiSEqC	DiSEqC1.0 DiSEqC 1.2
Demodulator	Front end	QPSK
	Symbol rate	2Mbps~45Mbps
	SCPC and MCPC Capable	Yes
	Spectral inversion	Auto conversion
System resource	Processor	32bit processor
	SDRAM	8Mbytes
	FLASH	1Mbyte
	EEPROM	
Video decoder	MPEG 2	Main Proflie@Main Level
	Data Rate	up to 15M bits/s
	Resolution	720*576,720*480
	Video format	PAL/NTSC/SECAM
MPEG Audio	MPEG 1 layer 1&2	
	Type	Mono
	Sampling rates	32,44.1 and 48KHz
Serial data interface	Connector	USB type
Power supply	Li-oN Battery	2200 mA
	Supply voltage	13.3Volt
	charger	90-240V
Panel connectors	Digital tuner input	F type, male
Physical Specification	Size	102x34x180 (mm)
	Weight(Net)	0.9 Kg