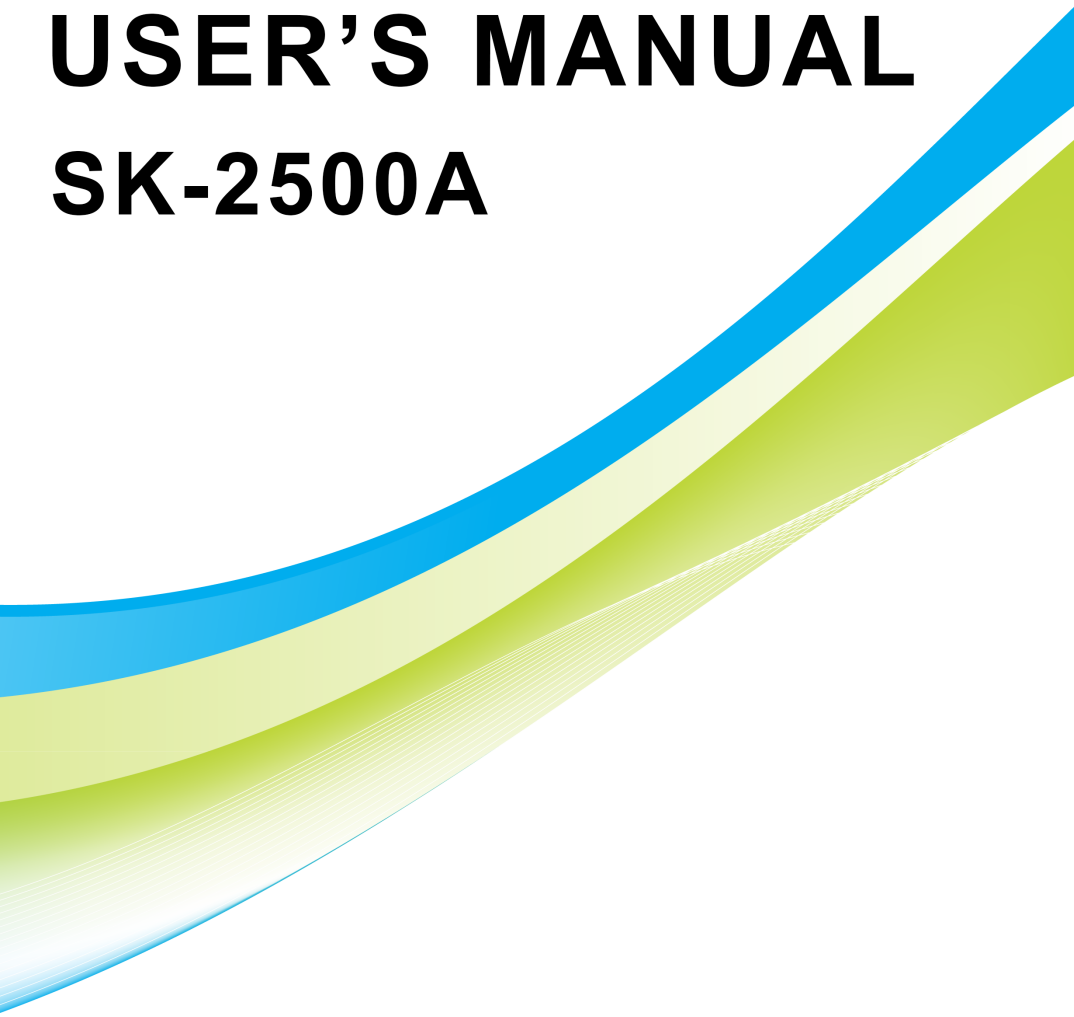




USER'S MANUAL

SK-2500A



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1. GUIDE

1.1 IMPORTANT SAFETY INSTRUCTIONS

Thank you for choosing our product. Before installation, we would like to remind you some notes, which is very important for operating safely and properly, as follows:

- Be sure to read this user manual before starting your operation.
- You must install the dish with correct direction and angle. If the dish is not working properly, contact your local dealer.
- When the unit is suddenly moved to a hot area from a cold area, it may cause some problems. In that case, turn off the power, and turn on again after 1-2 hours.
- Keep meter placed in clean space with sufficient ventilation.
- Do not cover the meter with or place it on a unit that emits heat.
- Clean the case by a soft cloth with a little washing liquid.
- Do not remove the cover.
- Do not let the unit exposed to extreme heat, cold or humid conditions.
- No liquids or any other materials to come inside of the unit.

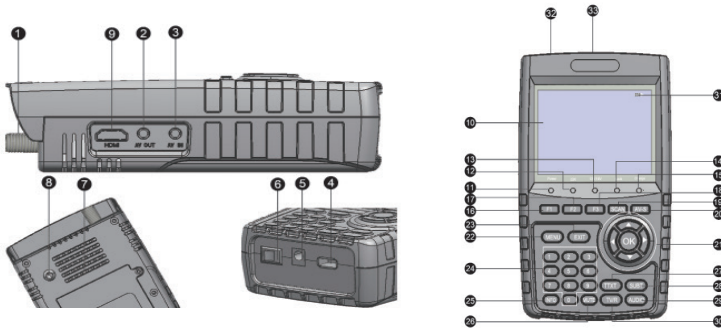
1.2 UNPACKING

Open the package and make sure it includes all below items, if any missing, please contact the reseller for replacement.


1. Digital Satellite Meter
2. User's manual
3. AV cable
4. Car charger cable
5. Power Adaptor
6. Strap of carrying case

NOTE: Please refer to our actual configuration.

1.3 PRODUCT OVERVIEW& ILLUSTRATION



NO	Description	FUNCTION
1	LNB In	Connect to satellite antenna cable
2	AV OUT	Connect to AV port for TV
3	AV IN	Connect to AV port for meter
4	USB Port	Connect to USB memory
5	DC Slot	Connect to adaptor input
6	Power Switch	Turn on/off meter
7	Speaker	Speaker integrated
8	Torch LED	Night lighting
9	HD OUT	Use HD cable to connect for TV
10	LCD	TFT LCD Screen
11	Power	Power indicator light
12	22KHz	22KHz indicator light
13	13V/18v	Vertical /Horizontal polarization voltage output light
14	LOCK	Signal lock indicator light
15	Charger (Note1)	Charger indicator light
16	F1	Auxiliary function key
17	F2	Auxiliary function key
18	F3	Auxiliary function key
19	SCAN	'Quick Search'menu shortcut key
20	AV-S(Note2)	Switch AV mode: AV Normal; AV IN and AV out
21	NEVIGATION KEY	Volume Control or move cursor, channel or change, confirmetc

NO	Description	FUNCTION
22	MENU	Show the main menu on the screen or jump back to previous menu in sub-menu setting conditions
23	EXIT	Escape from present menu and save the settings
24	0-9	Number key to select channels or enter programming
25	INFO	INFO key
26	MUTE	MUTE
27	Red & TTXT	Red KEY & Teletext interface
28	Green & SUBT	Green key & Subtitle interface
29	BLUE & AUDIO	Blue key & Audio interface
30	Orange & TV/R	Orange key & TV and radio switch
31		DC 12V output for extern equipment
32	DC 12V OUTPUT	DC 12V output for extern equipment
33	HD IN	HD signal input port

Note1: When the battery charged sufficient, the charge indicator is going out. When the battery is insufficient, indicator flashing.

1.4 INSTALLATION OF METER



2. OUTLINE

- 3.5 Inch High Definition TFT LCD Screen
- Fully DVB-T/DVB-T2/DVB-C, MPEG-2/MPEG-4 compliant
- H.264 Hardware decoding
- Digital meter for signal strength and quality
- Supports scan of Auto,Manual
- Sound and Light Alarm for Locking Signal
- Speaker Integrated
- Support both AV out and AV in
- Support both HD out and HD in
- ANT short protect
- 7.4V/3000mAh Li-Ion Battery Included
- DC 12V output for monitor
- Software upgrade via USB port
- Easy to carry

3. THE MENU OSD INSTRUCTION

If you have installed and connected the cables to the receiver, pressing **MENU** to display the Main Menu.

- DVB-T2
- DVB-C
- Channel
- Spectrum
- Multimedia
- System Setting



Press the keys of **▲▼◀▶** to move the cursor up or down in the menu interface, then use **OK** to confirm a selection.

3.1 DVB-T2

Select DVB-T2, then press **OK** into the Scan Setup.



3.1.1 COUNTRY

Press **◀▶** key to change the default country.

3.1.2 CHANNEL NO

Press **◀▶** key to change the channel number.

3.1.3 FREQUENCY

Frequency of the current channel, input the value by using the numeric keys.

3.1.4 BANDWIDTH

Press **◀▶** key to change the bandwidth, we can select 6, 7 or 8M.

3.1.5 MODE

Press **◀▶** key to change the DVB standard, we have three types including

DVB-T/T2/T+T2, you can select one you want.

3.1.6 LCN

Press ◀▶ key to switch LCN (Logic Channel Number) On/Off.

3.1.7 BEEP TONE

Press ◀▶ key to switch beep tone ON/OFF. If we open the beep tone, when we enter into the search screen, the beep of lock alarm will open.

3.1.8 ANTENNA SETTING

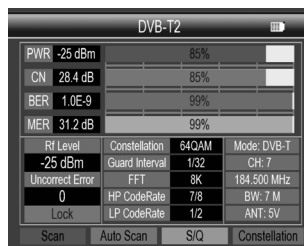
Press ◀▶ key to change the antenna power, we have there types including 5V/12V/17V, you can select one you want.

3.1.9 ANTENNA SETTING

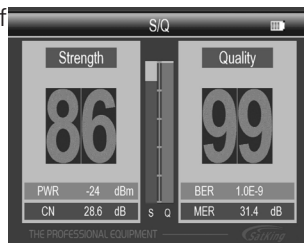
Press ◀▶ key to switch the antenna power ON/OFF .

3.1.10 QUICK SEARCH

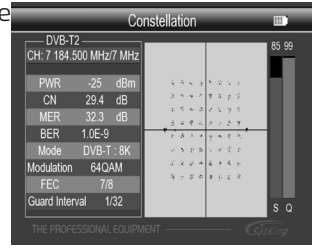
In the Channel Find interface, press **OK** to enter into the quick search.



- Ch Scan: Press **OK**/red key to search current channel.
- Auto Scan : Press green key to auto blind search the current channel.
- S/Q: Press orange key to enlarge showing of the signal strength and quality.



- Constellation: Press the blue key into the constellation.



3.2 DVB-C

Select DVB-C, then press **OK** into the Scan Setup.



3.2.1 COUNTRY SETTING

Press ◀▶ key to change the default country.

3.2.2 CHANNEL NO

Press ◀▶ key to change the channel number.

3.2.3 FREQUENCY

Frequency of the current channel, input the value by using the number keys.

3.2.4 BEEP TONE

Press ◀▶ key to switch beep tone. If we open the beep tone, the beep of lock alarm will open when we enter into the search screen.

3.2.5 QUICK SEARCH

Please refer to 3.1.9 QUICK SEARCH.

3.3 CHANNEL

We have three options in this menu.



3.3.1 TV LIST

- Lock

Press red key to lock/unlock the current channel.

- Del

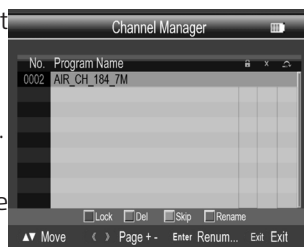
Press green key to delete the current channel.

- Skip

Press orange key to change the order of the channels.

- Rename

Press blue key to rename the current channel.



3.3.2 RADIO LIST

Please refer to the operation of "TV List".

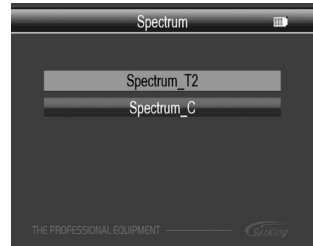
3.3.3 EPG

Press ▲▼ key to change program. If the current program has EPG information, it will appear on the right side of the window. Press ◀▶ key to change the day of the EPG information.



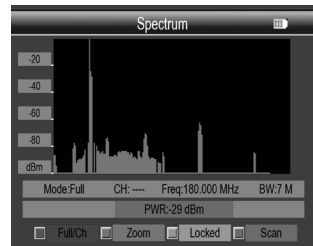
3.4 SPECTRUM

- SPECTRUM_T2
- SPECTRUM_C

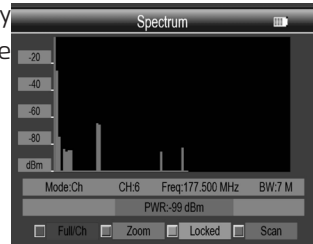


3.4.1 SPECTRUM_T2

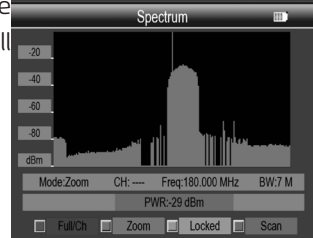
When we enter into this interface, we can press ◀▶ key to scan some information about spectrum in different frequency point.



- Full/Ch: Press red key to make all the frequency points we can see on the window or to make some frequency points on it.



- Zoom: Press green key to enlarge showing the point you current select, and press again it will be back.



- Locked: Press orange key to lock all the current frequency points, and remain unchanged unless you press again.
- Scan : When the frequency points have been locked, you can press blue key to receive signal on a point.

3.4.2 CABLE-SPECTRUM

Please refer to Terrestrial-Spectrum.

3.5 MULTIMEDIA

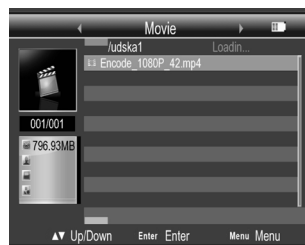
Select Multimedia, then press **OK** into the Multimedia.

In the play interface:

F1 Key: Normal play.

F2 Key: Pause.

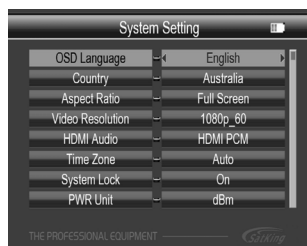
F3 Key: Fast backward. Press F1 key return.



- Music& Photo

Please refer to the Movie operating.

3.6 SYSTEM SETTING



- Language

Press ◀▶ key to change the OSD Language.

- Country

Press ◀▶ key to change the country

- Aspect Ratio

There are 4 types you can choose: Full Screen/4:3 LB/4:3 PS/16:9.

- Video Resolution

It will auto detect video resolution.

- HDMI Audio

Press ◀▶ key to change the HDMI PCM/RAW/Mute format.

- Time Zone

Press ◀▶ key to change the Time Zone.

- System Lock

Press ◀▶ key to On/Off the system lock. If select to lock, we should input password "0000" before modifying channels.

- PWR Unit

There are 3 types you can choose: dBm/dBmV/dBm.

- Torch

Press ◀▶ key to switch torch On/Off.

- KB-BackLight

Press ◀▶ key to switch delay time of keyboard backlight.

- Upgrade

Will update the file into the USB, then insert the machine. Press OK to update interface, use the direction key to select update file, and press OK to update.

Warning: Please don't turn power off or pull out the USB, otherwise it will damage the machine's software, and can't boot again.

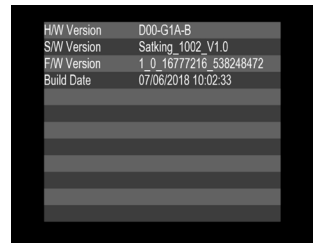
- Factory Reset

Press ◀▶ key, then press OK to confirm factory reset.

NOTE: if you set factory setting, all the user settings and the database will be reset.

- Version

Press OK to see specific version information.



HW Version	D00-G1A-B
SW Version	Salking_1002_V1.0
FW Version	1.0_18777216_538248472
Build Date	07/06/2018 10:02:33

4. TECHNICAL SPECIFICATION

TRANSMISSION STANDARDS	
DVB-T/T2/C	
DVB-T/T2/C INPUT/DEMODULATION	
Connector Type	Female Type
Input Frequency	48 to 862 MHz
Signal Input Level	-79.5dBm (MAX)
ANT Supply	5V, 12V/17V I _{max} 100mA
Demodulation Type	QPSK,16QAM.64QAM,256QAM
LCD FEATURES	
LCD Type	TFT Transmissive
Number of Dots	480(RGB) x272
Active area (WxH)	95.04x53.86 mm2
AV output interface	
Connector Type	3.5 mm jack
Video Output	CVBS
Audio Output	Stereo Audio L/R output
HDMI output connecter	
Format	HDMI 1.3a
AV input interface	
Connector Type	3.5 mm jack
Video Input	CVBS
Audio Input	Stereo Audio L/R input
AUDIO/VIDEO PROCESSING	
Video decompression	MPEG-2 MP@HL, MPEG-1 Decoding,MPEG-4 ASP@L5 HD resolution,H.264 MP&HP@L4,HW JPEG decoding
Resolving rate	PAL-25 frame@720*576,NTSC-30 frame@720*480
Signal compatibility	Support conversion for different video formats
Video Format	4:3,16:9,By Pan & Scan and Letter Box conversion
Audio Decompression	MPEG-1 Layer I/II, MPEG-2 Layer I/II
Audio Output Mode	Stereo, Mono,R/L
DATA SERVICE PORT	

Connector	USB
Data Protocol	USB2.0 interface
File Management System	NTFS,FAT32,FAT16
File Format	wma,mp3,mp4,avi,jpg,jpeg,bmp,img
MICROPROCESSOR	
Microprocessor	NOVATEK
Clock Frequency	500MHz
POWER SUPPLY	
Li-Ion Battery	7.4V/3000mAh(The machine behind labeling shall prevail)
Adapter	OUTPUT :DC12V/1.5A, INTUPT :100-240VAC 50/60Hz(Will be subject to actual configuration)
Power Consumption	Max. 10W
PHYSICAL CHARACERSTICS	
Size (W x D x H)	9.5x15.5x4.5(cm ³)
Net Weight	1kg

5. TROUBLE SHOOTING

Problem	Possible Causes	What To Do
No display light up	Power switch is not on Run out of batteries	Check to make sure power on. Even on adapter
No sound or picture, but the front panel power light is ON.	AV IN jack insert, but no video input	Pull out AV IN cable
No sound or picture	The satellite dish is not pointing at the satellite.	Adjust the dish. Check the Signal Level in the Antenna Setup Menu
Bad picture/Blocking Error	No signal or weak signal	Check the cable connections. LNB and other equipment connected between the LNB and the meter and adjust the dish.
	The satellite dish in not pointing at the satellite	Adjust the dish.
	Signal is too strong	Connect a signal attenuator to the LNB input
	Satellite dish is too small	Change to a larger dish
	LNB noise factor too high	Change to an LNB with lower noise factor
	The LNB is faulty	Change the LNB
AV out No picture(Video)	The system is connected by SCART cable and TV is not in AV mode.	Check the UHF channel fixed in your system and tune the UHF properly.
The key is not working	Out of battery	Even on adapter
	Key blocks	make sure no blocks between the front panel

Note: If you still cannot resolve the problem with above reference. Please contact the local dealer or their after-sales service center.

