USER'S MANUAL

SK-2500A

CONTENTS

1. GUIDE 2

1.1 IMPORTANT SAFETY INSTRUCTIONS 2
1.2 UNPACKING 2
1.3 PRODUCT OVERVIEW& ILLUSTRATION 3
1.4 INSTALLATION OF METER 4

2. OUTLINE 5

3. THE MENU OSD INSTRUCTION 6

3.1 DVB-T2 6
3.2 DVB-C 8
3.3 CHANNEL 9
3.4 SPECTRUM 10
3.5 MULTIMEDIA 11
3.6 SYSTEM SETTING 12

4. TECHNICAL SPECIFICATION 15

5. TROUBLE SHOOTING 17

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.

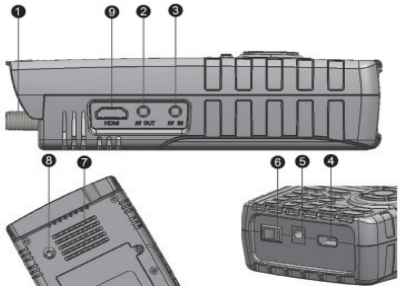
1.2 UNPACKING

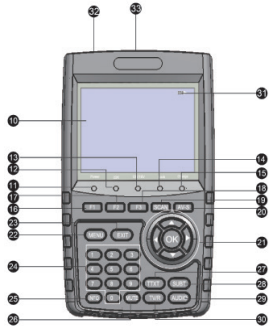
Open the package and make sure it includes all below items, if any missing, please contact the reseller for replacement.

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 SETTING

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 5, 6, 7 or 8M.

3.1.5 MODE

Press ◀▶ key to change the DVB standard, we have there types including T/

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

3.1.6 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.

3.1.7 ANTENNA SETTING

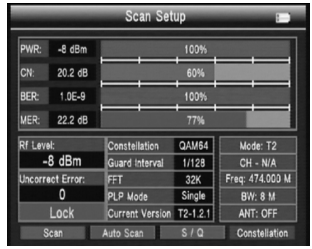
Press ◀▶ key to change the antenna power, we have there types including 12v/18V/24v, you can select one you want.

3.1.8 ANTENNA SETTING

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

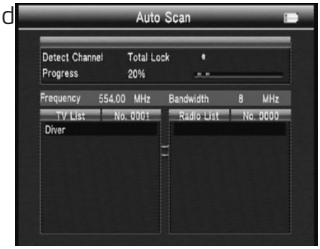
3.1.9 QUICK SEARCH

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



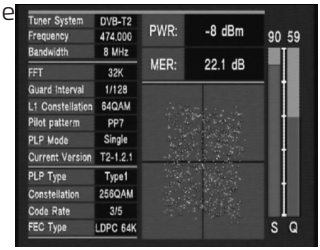
- Ch Scan: Press OK/red key to search current channel.

- 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 four options in this menu.

3.3.1 PROGRAM INFO

When we receive signal, we can scan some relative parameter information in this interface.

3.3.2 TV LIST

• Sort

Press red key into the sort list. Use ▲▼ key to move the cursor, then press OK to select the type of sort we want, then press OK to confirm or move the cursor to "x" and press OK to cancel.

• Lock

Press ▲▼ key to the program that we want to lock or unlock, then press green key to lock or unlock the program. When we have dealt with all the programs need to be processed, press MENU , it will appear a comfirmation message. Then press OK to confirm the operation or select "x" by pressing OK to cancel.

• Del

Press orange key to select "Delete Select" or "Delete ALL". Press ▲▼ key to select the program that we want to delete, then press orange key, it will appear a "x" label on the program's right side. When we have dealt with all the programs need to be processed, press MENU , it will appear a comfirmation message. Then press OK to confirm the operation or select "x" by pressing to cancel.

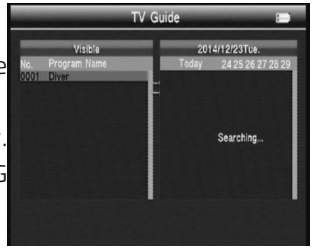
• Top

Press blue key to make a TV program you want on top.

3.3.3 RADIO LIST

Please refer to the operation of "TV List".

3.3.4 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.

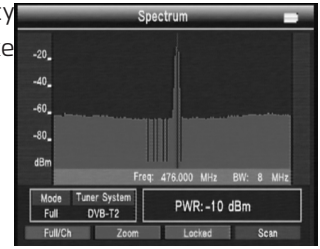
3.4 SPECTRUM

- **TERRESTRIAL-SPECTRUM**
- **CABLE-SPECTRUM**

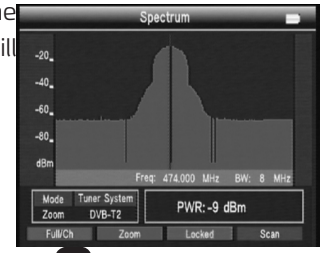
3.4.1 TERRESTRIAL-SPECTRUM

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

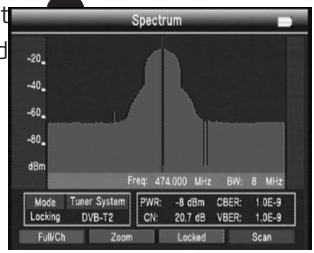
- Full/Ch: Press red key to make all the frequency points we can see on the window or to make some frequency points on it.



- 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.



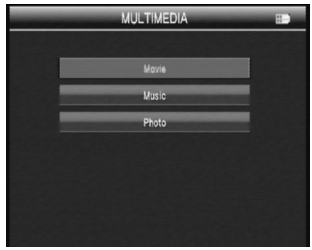
- Scan : When the frequency points have been locked, you can press blue key to receive signal on a point.

3.4.2 CABLE-SPECTRUM

Please refer to Terrestrial-Spectrum.

3.5 MULTIMEDIA

Select Multimedia, then press OK into the Multimedia.



• Movie

Will need to play the files in the USB and insert it into the machine.

• Movie

Press red key to the mode option of play files and text encode, then press MENU return.

Press green key to change the folder file viewing to detailed list.

Press orange key to change mode to big Icon browsing.

Press the arrow keys to move the cursor, then press OK to enter the file.

In the play interface:

F1 Key: Normal play.

F2 Key: Pause.

F3 Key: Fast backward. Press F1 key return.

F4 Key: Fast forward. Press F1 key return.

• Music& Photo

Please refer to the Movie operating.

3.6 SYSTEM SETTING

• Country Setting

Press ◀▶ key to change the country

• OSD Language

Press ◀▶ key to change the OSD Language.

• TV Format

Press ◀▶ key to change the TV Format.

• Video Output

If we connect HDMI interface, we can press ◀▶ key.

• TV Resolution

On the basis of the Video Output choice, we can press ◀▶ key to change the TV resolution.

• Digital Audio Output

Press ◀▶ key to change the LPCM or RAW format.

• Time Zone

Press ◀▶ key to change the Time Zone.

• Channel Lock

Press ◀▶ key to lock or unlock the channel setting. If select to lock, we should input password "0000" before channel setting.

• LCN

Press ◀▶ key to switch LCN ON/OFF.

• PWR Unit

Press ◀▶ key to change the PWR unit.

• Speaker

Press ◀▶ key to switch speaker ON/OFF.

• Flashlight

Press ◀▶ key to switch Flashlight ON/OFF.

• 12V

Press ◀▶ key to switch DC 12V output ON/OFF.

Note: If the shell is no 12V interface, without this feature

• KB-BackLight

Press ◀▶ key to switch delay time of back light.

• 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.

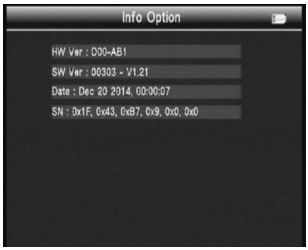
• Factory Setting

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.

• System Info

In the system setting, press INFO to check the system version.



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	12V, 18V/24V Imax 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.