

A large, gray, three-dimensional rectangular block with a beveled edge on the left side, creating a sense of depth. It is positioned horizontally across the middle of the page.

SK-7000 User Manual

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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:

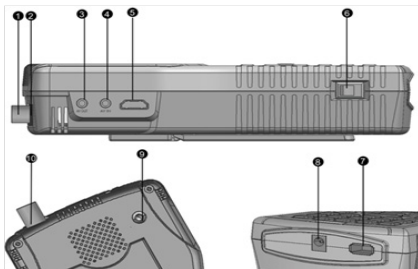
- Be sure to read this user manual, before starting your operation.
- You must install the dish with correct direction and angle. If the dish is not working properly, contact your local dealer.
- When the unit is suddenly moved to a hot area from a cold area, it may cause some problems. In that case, 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.

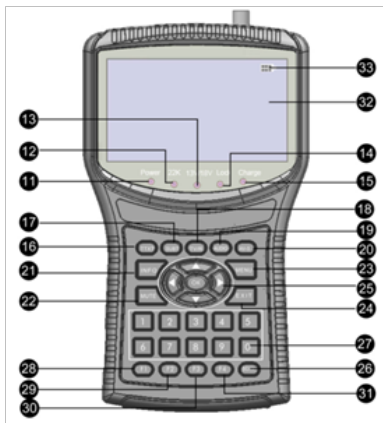
1.2 Unpacking

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


- 1.Digital SatelliteMeter
- 2.User's manual
- 3.AV cable
- 4.Car charger cable
- 5.Power Adaptor
- 6.Strap of carrying case
7. DC 12V connect line

1.3 PRODUCT OVERVIEW&ILLUSTRATION



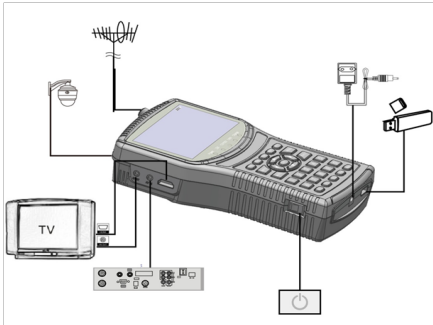


NO	Description	FUNCTION
1	LNB IN	Connect to satellite antenna cable
2	DC 12V OUTPUT	DC 12V output for extern equipment
3	AV OUT	Connect to AV port for TV
4	AV IN	Connect to AV port for meter
5	HDMI	Use HDMI cable to connect for TV
6	Power witch	Turn on/off meter
7	USB Port	Connect to USB memory
8	DC Slot	Connect to Adaptor Input
9	Torch LED	Night lighting
10	Speaker	Speaker Integrated
11	Power	Power indicator light

12	5V	ANT 5V indicator light
13	12V/17v	ANT 12V/17V indicator light
14	LOCK	Signal lock indicator light
15	Charger (Note1)	Charger indicator light
16	Red & TTX	Red KEY & Teletext interface
17	Green & SUBT	Green key & Subtitle interface
18	Orange & TV/R	Orange key & TV and radio switch
19	BLUE & AUDIO	Blue key & Audio interface
20	AV-S	If we connect AV IN; switch AV in/out for LCD and speaker
21	INFO	INFO key
22	MUTE	MUTE
23	MENU	Show the main menu on the screen or jump back to previous menu in sub-menu setting conditions
24	EXIT	Escape from present menu and save the settings
25	NEVIGATION KEY	Volume Control or move cursor, channel or change, confirm etc
26	0-9	Number key to select channels or enter programming
27	SCAN	'Quick Search' menu shortcut key
28	F1	Auxiliary function key
29	F2	Auxiliary function key
30	F3	Auxiliary function key
31	F4	Auxiliary function key
32	LCD	TFT LCD Screen
31	 (Note 4)	When power on the meter ,displays the battery level

Note1:When the adapter insert dc slot, Charge indicator is often bright, when the batteries charged sufficient, the charge indicator is go out.

1.4 INSTALLATION OF METER



2.OUTLINE

- ♥ 4.3 Inch High Definition TFT LCD Screen
- ♥ Fully DVB-T/DVB-T2, MPEG-2/MPEG-4 compliant
- ♥ MPEG-2 / 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
- ♥ ANT short protect
- ♥ 7.4V/3000mAh Li-Ion Battery Included

- ♥ DC12V output for monitor
- ♥ Software upgrade via USB port
- ♥ Easy to carry

3. THE MENU OSD INSTRUCTION

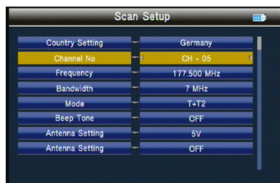
If you have installed and connected the cables of the meter, pressing MENU key to display the Main Menu.

- Channel Find
- Program Info
- Channel
- Spectrum
- Multimedia
- System Setting



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

3.1 Channel Find



3.1.1 Country Setting

Press ◀▶ key to change the defaultcountry.

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. 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 5v/12V/17v, you can select one you want.

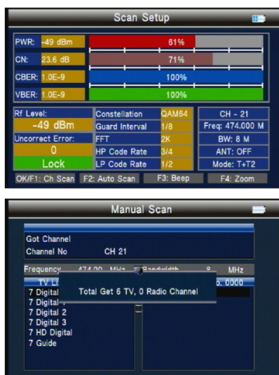
3.1.8 Antenna Setting

Press ◀▶ key to power on or offthe antenna

3.1.0.1 Quick Search

In the Channel Find interface,pressOK key will enter into

Quick Search



- Ch Scan: Press OK/F1 key to search current channel.
- Auto Scan : Press F2 key to auto blind search the current channel.
- Beep :Press F3 key to open beep tone.
- Zoom : Press F4 key to enlarge showing of the signal strength and quality.

3.2 Program Info



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



3.3 Channel

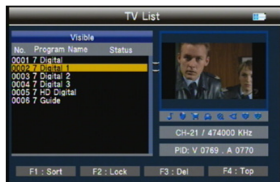
We have there options in this menu.



3.3.1&3.3.2TV List & Radio List

When we enter into the TV List, we can edit TV Program.

In the Radio List we have the same operation.



■ **Sort** : Press F1 key into the sort list. Use ▲▼ key to move the cursor, then press OK key to select the sort type of we want; then press ok key to confirm or move the cursor to “x” press ok key to cancel



■ **Lock**: Press ▲▼ key to the program that we want lock or unlock, then press F2 key to lock or unlock the program. When we deal with all the program need to be processed, press menu key to then press ok key to confirm the operation or select “x”; press ok key to cancel.



■ Del : Press F3 key to select “Delete Select” or “DeleteALL”. Press ▲▼ key to select the program that we want to delete, then press F3 key to label. When we deal with all the program need to be processed, press menu key to then press ok key to confirm the operation or select “x”; press ok key to cancel.

■ Top : Press F4 key to place a TV or Radio program you want on top.



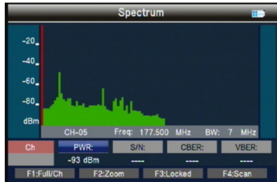
3.3.3 EPG

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.

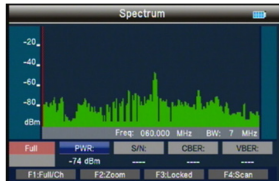


3.4 Spectrum

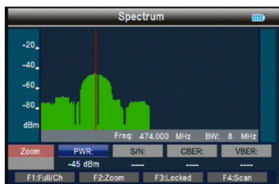
When we enter into this interface, we can press ☐☐ key to scan some information about spectrum in different frequency point.



■ **Full/Ch** : Press F1 key to make all the frequency points we can see on the window or to make some frequency points on it.



■ **Zoom** : Press F2 key to enlarge showing the point you current select, and press again it will be back



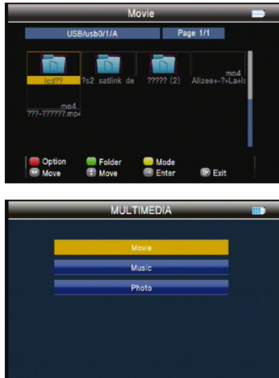
■ **Locked** : Press F3 key to lock all the current frequency points, and remain unchanged unless you press again



■ **Scan** : When the frequency points have been locked, you can press F4 key to receive signal on a point.

3.5 Multimedia

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



○ Movie

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

Press green key to Change the folder File view to detailed list.

Press orange key to change mode to big Icon browsing.

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

In the pay interface:

F1 Key: normal play.

F2 Key: pause.

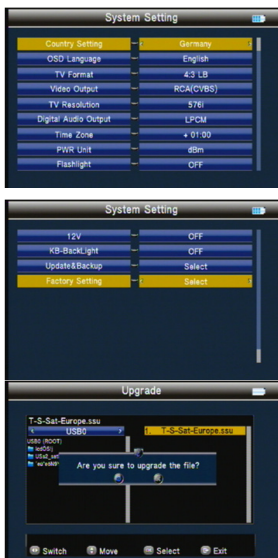
F3 Key: fast backward; press F1 key return.

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.

○ PWR Unit

Press ◀▶ key to change the PWR unit.

○ Flashlight

Press ◀▶ key to switch Flashlight on/off.

○ 12V

Press ◀▶ key to switch 12V on/off.

○ KB-BackLight

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

○ Upgrade & Backup

Will update the file into the U disk; then insert the machine; press ok key to update interface, use the direction key to select update file. Press ok key to update. Warning: During the upgrade processing, do not power off or pull out the U disk; otherwise it will damage the machine software, can not boot.

○ Factory Setting

Press ◀▶ key, then press ok key to confirm factory.

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

4. Technical Specification

TRANSMISSION STANDARDS	
DVB-S2/S, MPEG-2, MPEG-4, H.264	
SATELLITE INPUT/DEMODULATION	
Connector Type	FEMALE Type
Input Frequency	48 to 862 MHz
Signal Input Level	-79.5dBm (MAX)
ANT Supply	5V, I _{max} 200mA, 12V/17V I _{max} 100mA
Demodulation Type	QPSK, 16QAM, 64QAM, 256QAM
LCD FEATURES	
LCD Type	TFT TRANSMISSIVE
Number of Dots	480(RGB) x 272
Active area (WxH)	95.04x53.86 mm ²
AV output interface	
Connector Type	3.5 mm jack
Video Output	CVBS
Audio output	Stereo Audio L/R output
HDMI output connector	
Format	HDMI 1.3
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
SDRAM Memory	512Mbit DDR2
Power SUPPLY	
Li-Ion Battery	7.4V/3000mAh
Adapter	OUTPUT :DC12V/1.5A, INTUPT :100-240VAC 50/60Hz
Power consumption	Max. 10W
PHYSICAL CHARACERSTICS	
Size (W x D x H)	125x205x4.5(cm ³)
Net Weight	0.66kg

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.

USER'S MANUAL