

CORE 1022 HE2/2020 Ukh Type D/05/2002 HE2/2020 CORE 1022 HE2/2020 Ukh Type D/05/2002 HE2/2020 CORE 1023 HE2/2020 Ukh Type D/05/2002 HE2/2020 CORE 1023 HE2/2020 Ukh Type D/05/2002 HE2/2020 CORE 1023 HE2/2020 D/05/2002 HE2/2020 D/05/2020 HE2/2020 CORE 1023 HE2/2020 D/05/2002 HE2/2020 HE2/2020 D/05/2020 HE2/2020 CORE 1023 HE2/2020 D/05/2020 HE2/2020 HE2/2020 HE2/2020 D/05/2020 HE2/2020 HE2/2020 CORE 1023 HE2/2020 HE2/	602110773 H 28000 LNB Foner Off 60310030 H 3333 22842 Off 60410833 H 27500 Interactives Kone 60510071 H 27500 DISECL1 None 60611011 H 27500 DISECL1 None 60811012 H 27500 DISECL1 None 608110110 H 27500 DISECL1 None 608110110 H 27500 DISECL1 None 608110110 H 27500 DISECL1 None 608110 H 27500 H 27500 H 27500 H 2	
Dish Setup TransPander Ku_HOTEIRO 6 7A.8	Dish Setup TransPender Ku_H0181810.0,7A,8 001.10723 H-29500 LINB Type 09750/10600	
Press [GOTO] to get into the TP list, you can also use[F1] [F2] F3] [F4] to add, edit, delete or begin to scan the selected TP, and Press [GOTO] to return to the satellite list.	■Toneburst: Press[◀ / ▶]to choose between None/BurstA/BurstB.	
Dish Setup Savetar Connorsation	Dish Setup TransFender Ku_HOTBIRO 6.77.88 001 10723 H 25000 LHB 700e 00750/10603 001 10830 H 27500 LHB 700e OF 001 10830 H 27500 DISEqC1 None OF 001 10133 H 27500 DISEqC1 None DISEqC1 None 001 10133 H 27500 DISEqC1 None DISEqC1 None 001 10133 H 27500 DISEqC1 None DISEqC1 None 001 10133 H 27500 DISEqC1 None DISEqC2 None 001 10133 H 27500 DISEqC2 None DISEqC2 None 001 10133 H 27500 DISEqC2 None DISEqC2 None 001 10134 J 27500 DISEqC2 None DISEqC2 None	Carabeline TransPender 001 10723 H 198060 003 10735 H 18600 003 10030 H 19333 004 10033 H 27500 005 10932 H 27500 005 10932 H 27500 005 1012 H 27500 005 100 H 2000 H
■Press[F4]to Begin Scan, with Default, Blind Scan,Network these three scan modes. When the signal is locked, the buzzer will sound with the fastest repetition. The signal quality bar will also be displayed on the LCD.Meanwhile, the LOCK LED will light up. (Press*MUTE"to close the buzzer sound if you don't want to hear it.)	E22K: Choose AUTO/ON/OFF.	■Motor: Press[◀ / ▶to ch None/DiSEqC1.2/DiSEqC
Concentration Do you want to delete this? Unon Kone Country Co	LHE Type 09750/10600 001 10723 H 25800 LHE Type 09750/10600 001 10723 H 25800 LHE Type 09750/10600 001 10733 H 25800 LHE Type 09750/10600 001 10733 H 25800 LHE Type 09750/10600 001 10930 H 3333 22449 Auto 001 10932 H 27500 DISEqC1.0 Nonre 003 10932 H 27500 DISEqC1.1 Nonre 003 10131 H 27500 Motor Nonre	001 10733 fr: 59800 001 10735 fr: 4333 001 10035 fr: 4333 001 10035 fr: 4333 001 10035 fr: 4333 001 10035 fr: 4335 001 10035 fr: 43550 001 1013 fr
Dish Setup Satellate C_trewSat2 057 070 3E Ku_MS5 703 LNB Type 05150 058 130 0C Ku_MS5 703 Canfarm Auto	■LNB Power: Press[◀ / ▶]to choose between Off/13V/ (13V/18V)/18V.	None/LNB1~LNB16.
Press [F3] to delete existed satellite. If you press OK , the aatellite will be deleted or you can press"EXIT" to exit.	607 10971 H 27500 1003 011013 H 27500 0004 07 0004 07 010750 010750 01550	■DiSEqC1.1: Press[◀ / ▶
Close 138 2 PERGONALCHAR IN CONTRACT ON CONTRACT OF CONTRACT ON CO	Dish Setup TransPander Ku_POTERD 6.75.8 001 10723 H 2560 FCB/0723 002 10723 H 2560 FCB/0723 003 10733 H 2560 FCB/0723 004 10933 H 2750 9739/10700 005 10932 H 7500 605150 005 10932 H 7500 00729 005 10932 H 7500 00729 005 10932 H 7500 00729	002107512000 0031033013312300 00410333127500 005109321423500 005119321423500 006110321423500 0061103131423500 0061103142342500 0061103142342500 0061103142342500 0061103142342500 0061103142500 006110000000000000000000000000000000
Satellite ku_NewSat1 057 070 3 Edit 9750/10600 0581380 No 061 37/18V 0591381 [Stellite Name NewSst1 pute 0561382 pute pute	9750/10600, 9750/10750, 05150, 05750, 09750, 10600,10750, 11300 and 11475.	D TransPonder 001 10723 H 29500 002 10775 H 28600
Press [F2] to edit existed satellite, which is includingSatellite ame, Longitude Direction, Longitude Angle and Band.	■Selete one of the satellites and press[◀ / ▶]to get into the LNB TYPE setting. ■LNB Type: Press[▲/▼]to choose LNB Type between	■DiSEqC1.0: Press[◀ / ▶ None/LNB1/ LNB2/ LNB3/

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Safety use:

1).	Consumers who using the product for the first time should read this manual carefully
2).	Don not touch the LCD screen.
3).	Don not place heavy items on the device.
4).	Don not lay the device closes to heating source, in the sunshine, in place with
	strong mechanical vibration or full of dust.
5).	Please place the device in ventilated surroundings.
6).	The device should be fully charged before using for the first time (recommend 6

- hours for the first charging).
- (7). Contact the provider when malfunction of the device happen. (8). Damaging the device on operation without following the guideline would not be
- warranted. (9). Do not use the other cables like headphone, only using the AV cable in the package.

Danger warning:

(1). Prohibition of decomposition of batteries.

- (2). Prohibition of battery short circuit.
- (3). To reverse the positive and negative pole terminal. (4). No heating and burning batteries.
- (5). Avoid using batteries near heat sources.
- (6). Do not get wet.
- (7). To avoid charging in the vicinity of fire or direct sunlight.
- (8). Use a dedicated charger and proper charge.
- (9). Prohibit the destruction of batteries.
- (10). No direct welding on battery.
- (11). Do not connect the battery charging in the power outlet or car cigarette lighter. (12). Do not use batteries for other devices.
- (13). Do not direct contact with the battery.
- (14). When the battery and the electric equipment are connected or charge, we must
- pay attention to the polarity of the battery.

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Note :

- (1). In the strong sunlight, use the battery, please do not use the battery in the strong sunlight exposure, so as not to heat, deformation, smoke. At least to avoid battery performance degradation, reducing life.
- (2). Anti static: The battery is equipped with protective circuit to avoid the occurrence of various accidents. Do not use the battery in the generation of static electricity, because the static electricity (100V above) is easy to damage the protection board, and lead to battery work is not normal, heat, deformation, smoke or fire.
- (3). Charge temperature range: Recommended charge temperature range is 0~45. Charging in the environment beyond this range may cause a decrease in battery performance and reduce the life span.
- (4). Charging mode: Please use the special charger and the use of the recommended charging mode, in the recommended environment to the battery charge. After the discharge of the battery, please charge the battery in time. \star Due to the special characteristics of the car, the battery can not reach the
- saturation state when the vehicle is used to charge the battery. (5). First use: In the first use of the battery, if the battery is not clean or abnormal smell and other abnormal phenomenon, can not continue to use the battery for its
- equipment, should be returned to the seller. (6). When is not a long time, to remove the battery from the device and put them in the low temperature and humidity environment preservation. Battery has a life, if the use of the battery when the work of the device is less than usual, to replace the battery.
- (7).Children's use: Children use the battery, should be subject to parental guidance, and in the use of the right to be monitored. (8). To avoid contact with children: The battery should be placed in a position where the
- child can't get. Children should be avoided to take the battery from the charger or use the device to play.
- (9). Pay attention to leakage: If the battery leakage to the skin or clothing, please rinse immediately with water, so as to avoid skin discomfort, etc.
- (10). Consultation: When buying batteries, please pay attention to the vendor contact method. In order to get in contact with the seller when needed and get advice. (11). Period of guarantee: The warranty period is 6 months from the date of shipment.
- However, if the problem is not due to the failure of the company's manufacturing process, but due to improper use, even in the warranty period, manufacturers will not be free to replace the new battery.
- (12). Safe use: In order to ensure the safety, please consider whether the electric type, system and lithium ion battery protection circuit is matched in advance. In addition, it is also to consider the high rate current, fast charge and the feasibility of specific applications.
- ♦Any loss caused by the improper use of the above shall not be responsible for the company!

Chapter 1 Overview

The SF-7000 is a HD digital singnal meter and portable device for installation and adjustment of satellite and terrestrial receiving antenna.

1.1 Features:

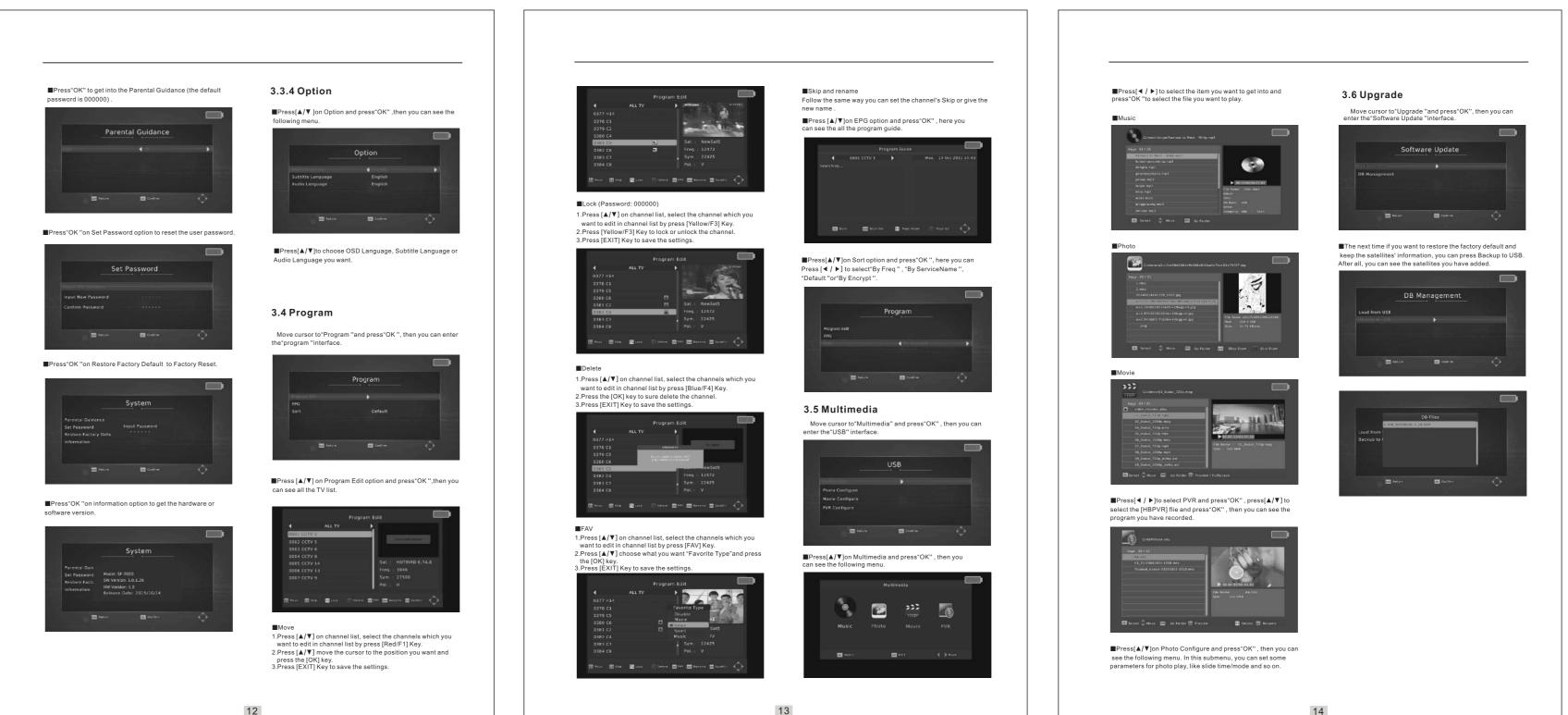
- Combo of DVB-S2 and DVB-T2 High resolution 5"TFT LCD
- Multi-lingual OSD and use-friendly UI
- Support Spectrum function
- Real time constellation display Support TP search and blindly search
- USB 2.0 for software update/media play back
- Support time shift Support TP PVR
- Support program edit (move/skip/lock/delete/rename)
- Support electronic program guide (EPG)
- Support HDTV video/audio output Support AV input for monitor installing
- Support DC+12V out for monitor installing
- Very easy to use with shortcut key
- Support RCU
- Build in loudspeaker for audio play Visual and audible signal when signal received
- Build in highlight LED light Large lithium battery capacity(4000mAh)

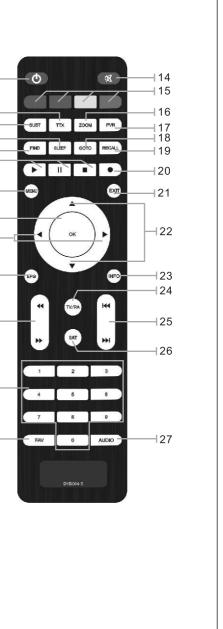
1.2 Accessories:

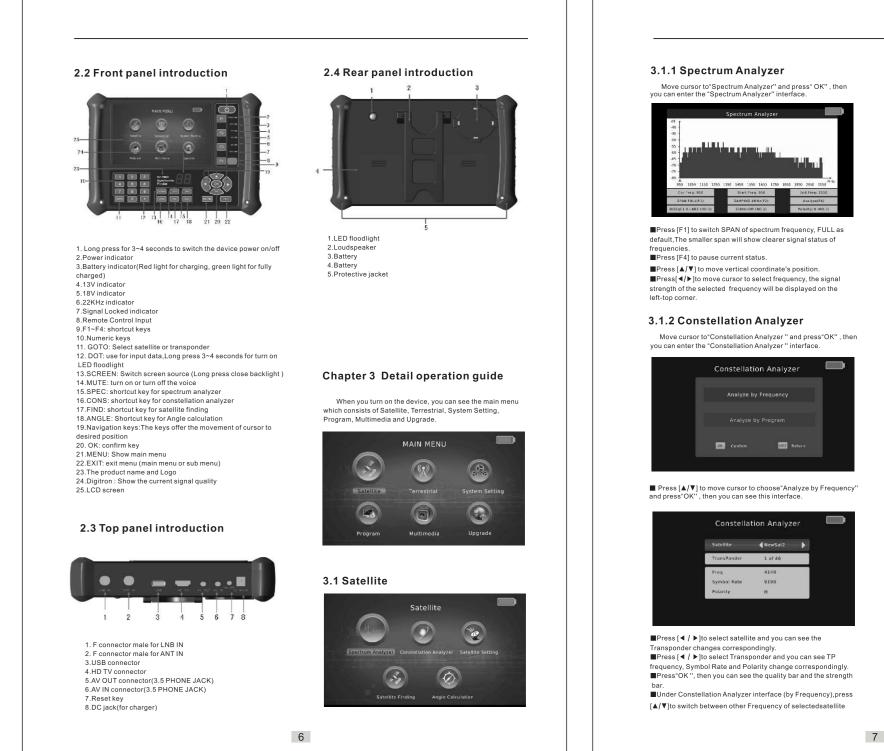
1.2 Accessories:	
Manual	x1
Power Adapter	x1
Power Line	x1
Car Adaptor	x1
Connector F to F type	x1
Connector F to IEC type	x1
Connector BNC to AV	x1
AV Cable	x2
Remote Control Unit (RCU)	x1
Device Bag	x1
	4

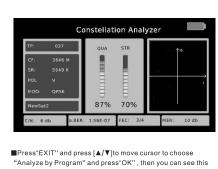
Chapter 2 Introduction of panel function

2.1 Remote Control(RCU)	
1.Power	
Show the teletext content if	1⊢
teletext is transmitted	
3.Subtitle Language	2⊢
4.Sleep	3⊢ 4⊢
5.Find	
6.Play 、Stop and Pause 7.Main Menu	5⊢ 6⊢
3.Confirm the highlighted menu item.	
Open the channel list	7⊢
9.Left and Right	8⊢
10.EPG	
11.Fast Backward and Fast Forward	9⊢
12.Numeric Key(0-9)	
13.Favorite channel	10⊢
14.Mute	
15.Multi-colored buttons	44 1
16.Zoom	11 ⊢
17.PVR	
18.Photo Grid Show	
19.Recall	12⊢
20.Start Recording 21.Exit	12
21.EXIT 22.Up and Down	
23.Display information	401
24.TV/Radio	13⊢
25.Play previous item and Play next item	
26.Satellite list	
27.Audio Language	









Under Constellation Analyzer interface (by Program), press [▲/▼]to switch between all the searched program.
 ■When a frequency with signal is detected(not locked yet), the I strength bar will be displayed on LCD. In the signal is locked, The signal quality bar will bedisplayed on the LCD. Meanwhile, the LOCK LED will light up.







System Resources	
Main Processor	600M Hz based CPU
Flash Memory	64M Bits
DDR SDRAM	1024M Bits
Tuner/Front-end	
Tuner Type	DVB-S/DVB-S2
Input Connector	F-type,Connector,Male
Frequency Range	950MHz~2150MHz
Signal Level	-65~-25dBm
Impedance	75 Ω
LNB Power & Polarization	Vertical:+13V
	Horizontal:+18V
	Current:Max.500mA
	Overload Protection
DiSEqC Control	Version 1.0/1.1/1.2/1.3,USALS Available
22KHz Tone	Frequency:22±1KHz
Demodulation	QPSK,8PSK
Symbol Rate	2~45Msps
Tuner Type	DVB-T/DVB-T2
Input Connector	F-type,Connector,Male
Input Frequency	(UHF)470-866MHz,(VHF)170-230MHz
Signal Level	-82~-20dBm
Impedance	750
Demodulation	QPSK,16-QAM, 64-QAM, 256-QAM
Bandwidth	6,7,8 MHz
Power Supply	
Input Voltage Adapter	Free Voltage (100~240V AC 50/60Hz)
Power Consumption	11W MAX
Power charger output	14V DC 3.0A
Battery	12.6V/4000mAh
Battery charging time	3~6H
Battery standard discharging	>5H
time A/V Data input/output	1
A/V IN/OUT	Video CVBS input/output
	Audio L/R input/output
Audio output	Built-in Loudspeaker
HD TV	VER1.3 interface,up to 1080p
USB	1*USB 2.0 slot Compatible for Host
Transport Streem	MPEG-2/4,H,264
Physical Specification	•
LCD Display	5 inch

Can't Power on	Please battery charging
	Please check the battery socket is loose
Screen abnormal	Please check the screen backlight is off
	Please check the screen is input mode, press SCREEN key
	Restart or restore factory default
No signal	Weak signal
	LNB setup error
	Cable line connection open circuit
	Antenna position shift
No picture	Please check if equipment connection are correct
	Please check if Channel is available
io sound	Please check speaker switch is set to off mode
No sound	Please check if low volume or mute
CU no response	Please check the remoter
Charging exception	Please check charger
	Please check the battery socket is loose
	Please try new battery
HDTV/AV abnormal	Please check RCA line connection error or not in place
	Please check HDTV line poor contact
output	Please make sure if the TV is selected the correct mode

