

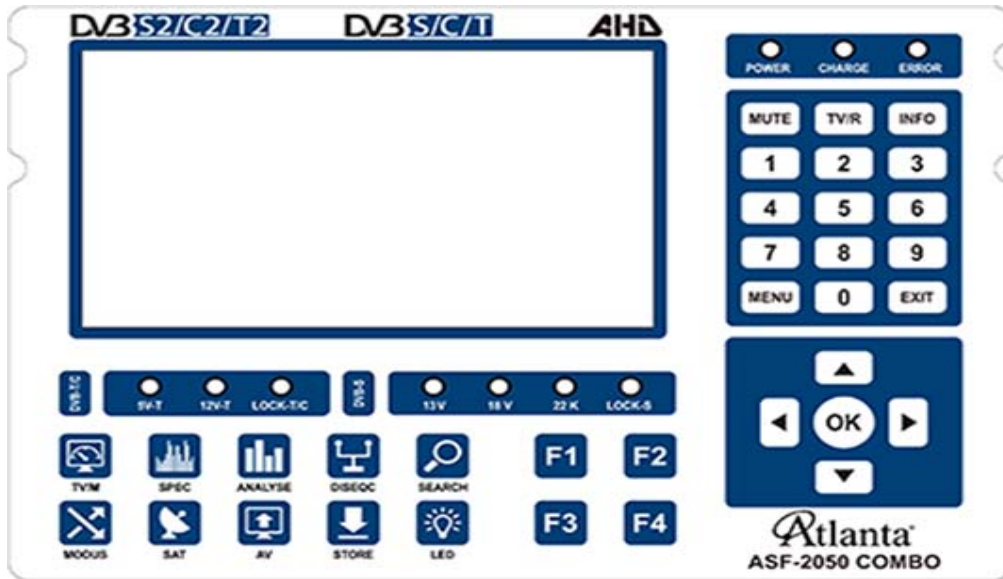


ASF-2050 COMBO

USER MANUAL

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1. BUTTONS AND INDICATORS



0-1

SCREEN: The screen for display for meter

Indicators:

- 5V-T:** The yellow LED will be on if the 5v power supply for DVB-T antenna is on, or it will be off
- 12V-T:** The yellow LED will be on if the 12v power supply for DVB-T antenna is on, or it will be off
- LOCK-T/C:** The green LED will be on if the connected signal locks for DVB-T/DVB-C
- 13V:** The yellow LED will be on if the 13v power supply for DVB-S LNB is on, or it will be off
- 18V:** The yellow LED will be on if the 18v power supply for DVB-S LNB is on, or it will be off
- 22K:** The yellow LED will be on if the 22k for DVB-S LNB is on, or it will be off
- LOCK-S:** The green LED will be on if the connected signal locks for DVB-S
- POWER:** The red LED will be on if the meter is working
- CHARGE:** The LED will be RED if the meter is in-charging. And it will be green if the battery if full
- ERROR:** The yellow LED will be on if the antenna/LNB is connecting shorted

Buttons:

- TVM:** Switch between playing video menu and other menus
- SPEC:** Enter to spectrum menu in playing video menu
- ANALYSE:** Enter to constellation menu in playing video menu
- DISEQC:** Enter to dish set-up menu in playing video menu
- SEARCH:** Enter to finder/measure menu in playing video menu, or start to scan channel in finder/measure menu
- MODUS:** Switch between DVB-S, DVB-T and DVB-C in playing video menu
- SAT:** List all the available satellites for DVB-S
- AV:** Switch between AV IN and meter display for screen
- STORE:** Enter to Store menu in playing video menu, save the current menu or save settings

LED: Turn on/off the LED on the rear panel

MUTE: Turn on/off sound, deep and lock alarm

TV/R: Switch between TV and radio in playing video menu

INFO: Display or close information banner in playing video menu

MENU: Enter or exit menu

EXIT: Exit current menu or current operation

F1: Please refer help messages in menus

F2: Please refer help messages in menus

F3: Please refer help messages in menus

F4: Please refer help messages in menus

0~9 NUMBER KEYS: Input numeric values

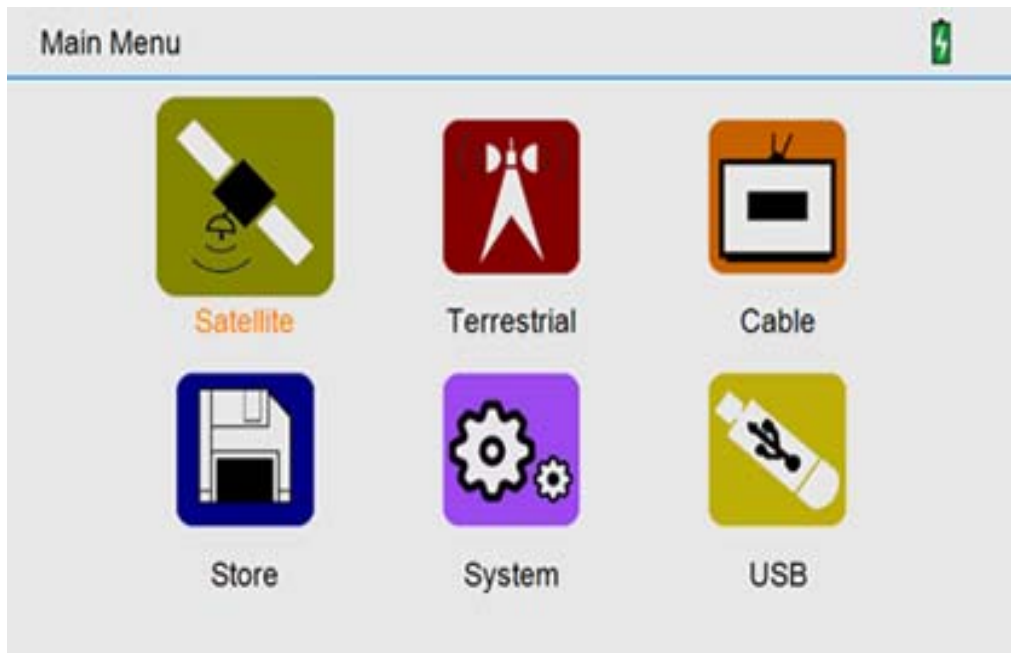
▲/▼: Zapping channels or navigation in the menu

◀/▶: Decrease or increase the volume or navigation in the menu

OK: Enter channel list menu in video playing screen; in other menu, press to confirm your selection or operation

2. BASIC FUNCTIONS

Turn on the power switch and then the device will enter to “Main Menu” (1-0). Press [EXIT] or [MENU] to enter video playing menu. Or press OK to enter submenu to analyzer or set parameters.

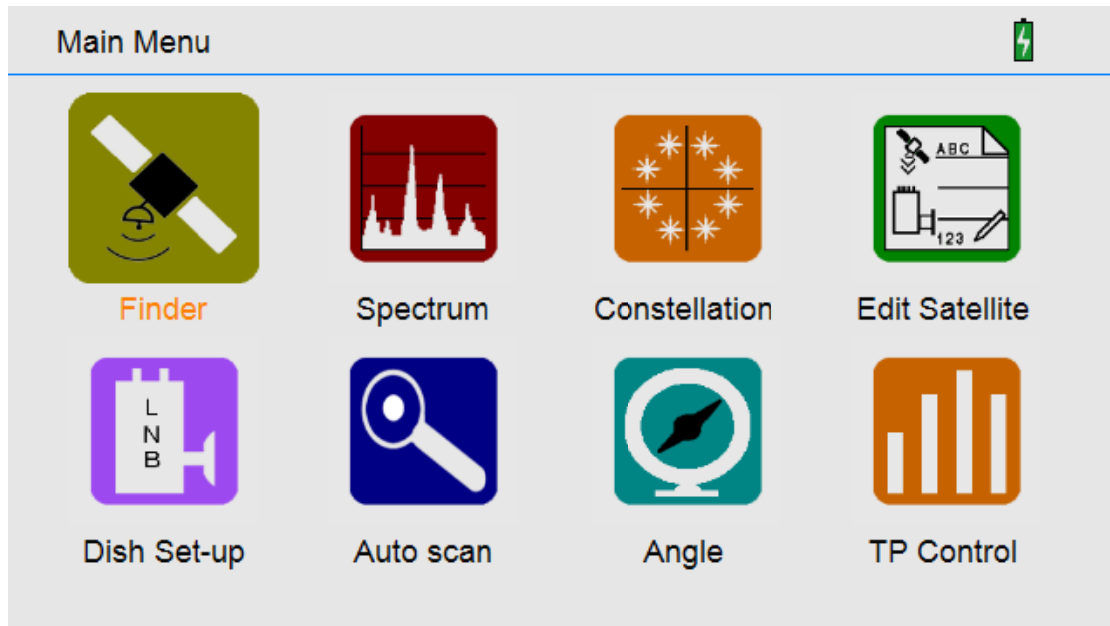


1-0

Press [▲/▼/◀/▶] to navigation.

Items	Instructions
Satellite	Press [OK] to open “Satellite > Main Menu” menu(1-1)
Terrestrial	Press [OK] to open “Terrestrial > Main Menu” menu(2-1)
Cable	Press [OK] to open “Cable > Main Menu” menu(3-1)
Saving	Press [OK] to open “Store Data View ” menu(4-1)
System	Press [OK] to open “System Setting” menu(5-1)
USB	Press [OK] to open “USB Service” menu(6-1)

2.1 Satellite



1-1

This menu for DVB-S functions. Press [**▲**/**▼**/**◀**/**▶**] to navigation.

Items	Instructions
Finder	Press [OK] to open "Satellite > Satellite Finder" menu (1-1-1)
Spectrum	Press [OK] to open "Satellite > Spectrum Analyzer" menu (1-2-1)
Constellation	Press [OK] to open "Satellite > Constellation Analyzer" menu (1-3-1)
Edit Satellite	Press [OK] to open "Edit Satellite" menu (1-4-1)
Dish Set-up	Press [OK] to open "Satellite > Dish Set-up" menu (1-5-1)
Auto scan	Press [OK] to open "Satellite > Auto scan" menu (1-6-1)
Angle	Press [OK] to open "Satellite > Angle Calculation" menu (1-7-1)
TP Control	Press [OK] to open "Satellite > TP Control" menu (1-8-1)

2.1.1 Satellite > Finder

Satellite > Satellite Finder 78.2 mA 13.1 V 13V 22K

Satellite HOTBIRD 6,7A,8

Transponder 10892/H/27500

Search **OK**

LOCK DVB-S/QPSK 09750 / 10600 13.0E

PWR: -63 dBm C/N: 09.95 dB

FEC: 3/4 BER 2.3E-6

Strength 68 %

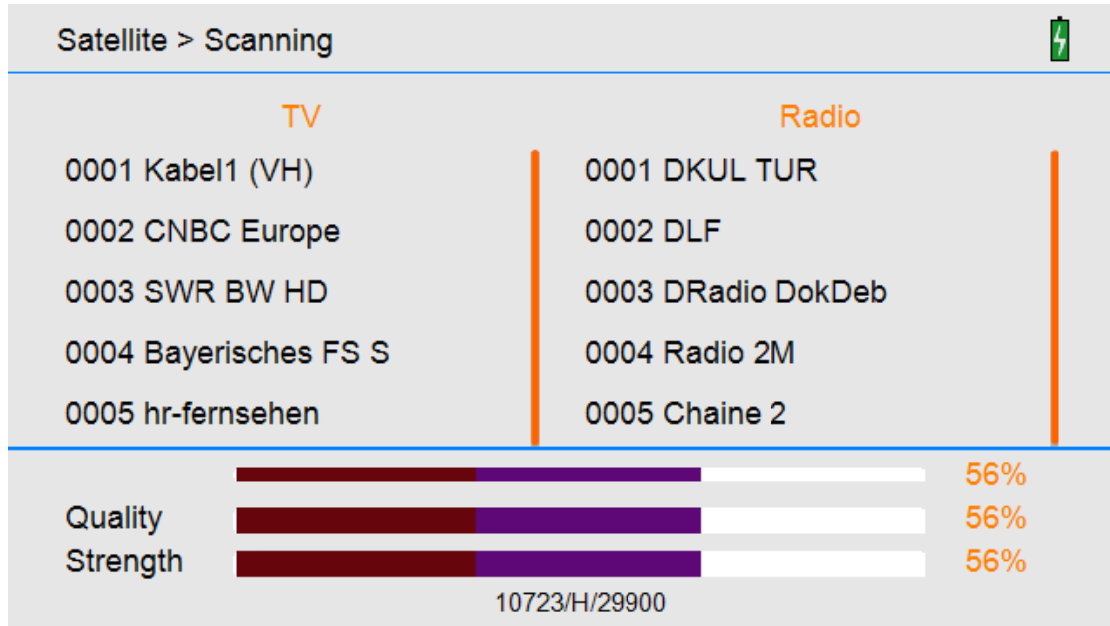
Quality 65 %

OK Confirm F1 LNB F3 Zoom STORE Save

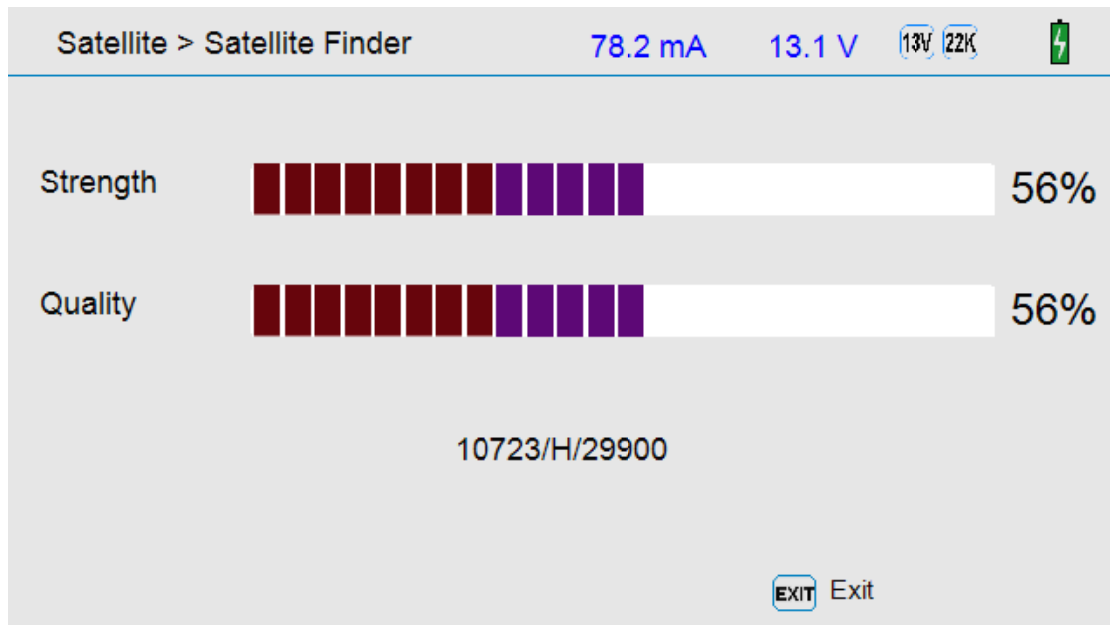
1-1-1

Press [/>] to navigation

Items	Instructions
13V	The LNB power supply status of LNB. The values are 13V, 18V and off
22K	The 22K status of LNB. The values are 22K and off
Satellite	Show and choose the satellite. Press [/>] to change, or press [OK] to enter satellite list
Transponder	Show and choose the transponder. Press [/>] to change, or press [OK] to enter transponder list. And also user can input frequency, polarity and symbol rate directly by pressing number buttons
Search	Press [OK] to open "Satellite > Scanning" menu (1-1-2)
[F3]	Press this button to enter Zoom menu (1-1-3) to only show strength and quality of the inputting signal

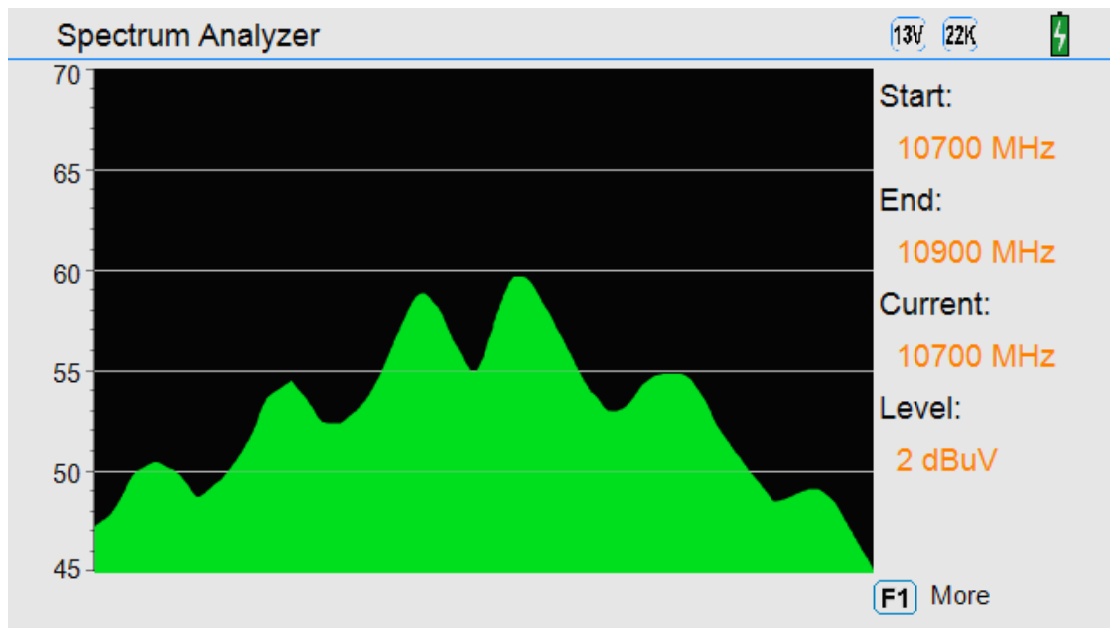


1-1-2



1-1-3

2.1.2 Spectrum Analyzer



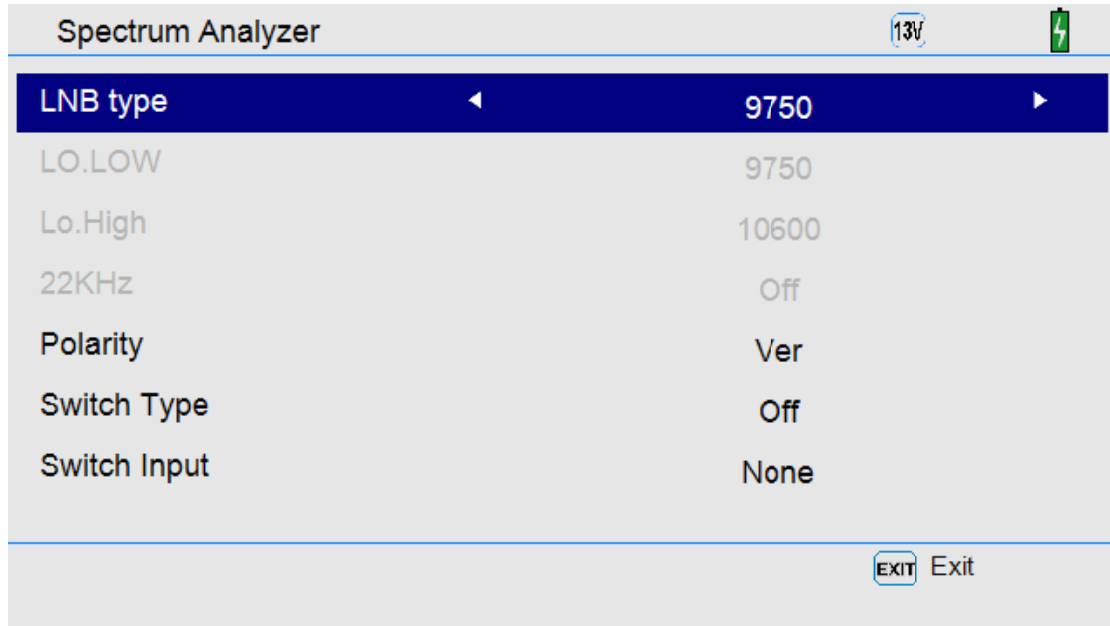
1-2-1

Press [F1] to show more information in this menu. Please see screen shot (1-2-2).



1-2-2

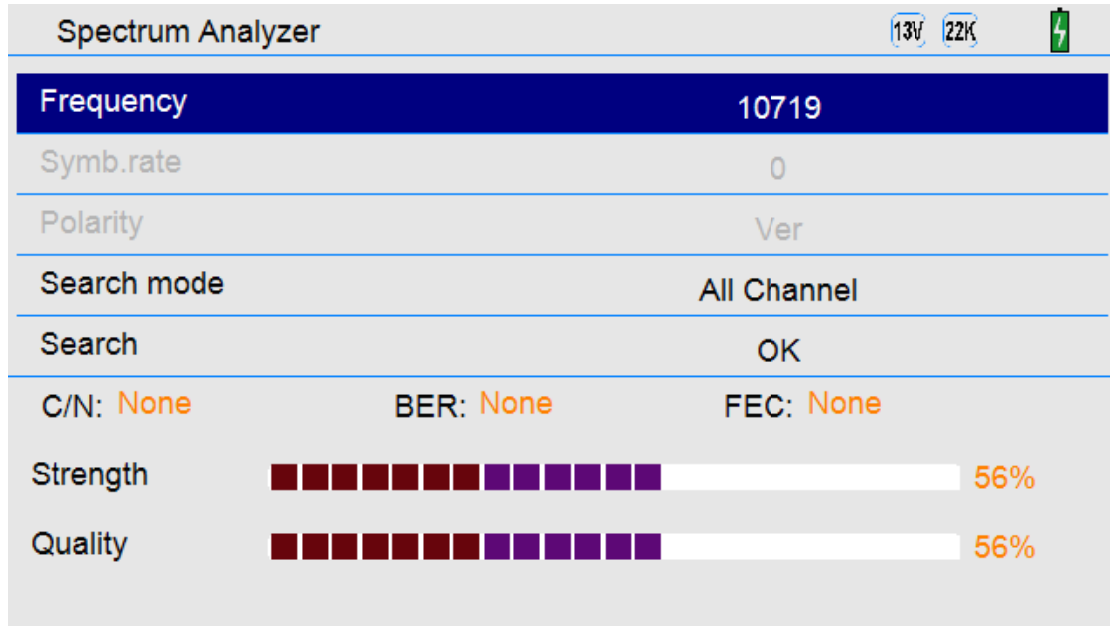
Items	Instructions
[F1]	Press this button to switch SPAN of spectrum abscissa between Full, 200MHz and 400MHz, FULL as Default. The smaller span will show clearer signal status of frequencies.
[F2]	Press this button to enter LNB menu (1-2-3) to set the LNB parameters. After setting completely, press [F4] to save and press [EXIT] to return to Spectrum menu (1-2-1)
[F3]	Press this button to switch between Horizontal and Vertical polarity
[F4]	Press this button to pause current status, and press again to restart analyzer
[OK]	Press this button when a frequency of Abscissa is selected, system will enter Frequency searching menu(1-2-4), press this button when Search selected to start channel searching



1-2-3

Press [▲/▼] to navigation

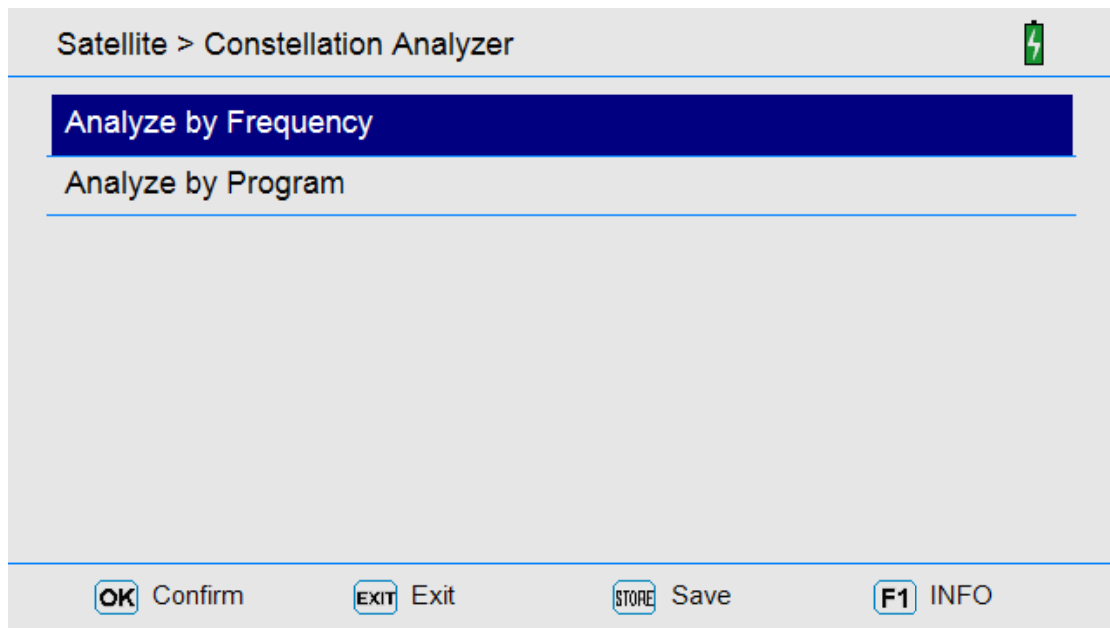
Items	Instructions
LNB Type	Set LNB Type, press [◀/▶] button to switch
LO.LOW	Show the low local oscillator value. Use digital button to input the LO.LOW once the LNB Type is customized
LO.HIGH	Show the high local oscillator value. Use digital button to input the LO.HIGH once the LNB Type is customized
22K	Set 22K status. Press [◀/▶] button to switch between ON/OFF/Auto. Default set to Auto
LNB Power	Set the antenna power. Press [◀/▶] button to switch between Auto/13V/18V/OFF. Default set to Auto
Switch Type	Set switch type. Press [◀/▶] button to switch between None/DiSEqC1.0/ DiSEqC1.1. Default set to None
Switch Input	Set DiSEqC 1.0 or DiSEqC1.1's input port. Default set to None



1-2-4

Items	Instructions
Frequency	Show Frequency
Symb.rate	Show Symb.rate
Polarity	Show Polarity
Search mode	Select the channel mode which you want to search. Press [◀/▶] to switch between All channels and FTA
Search	Press [OK] to start channel search

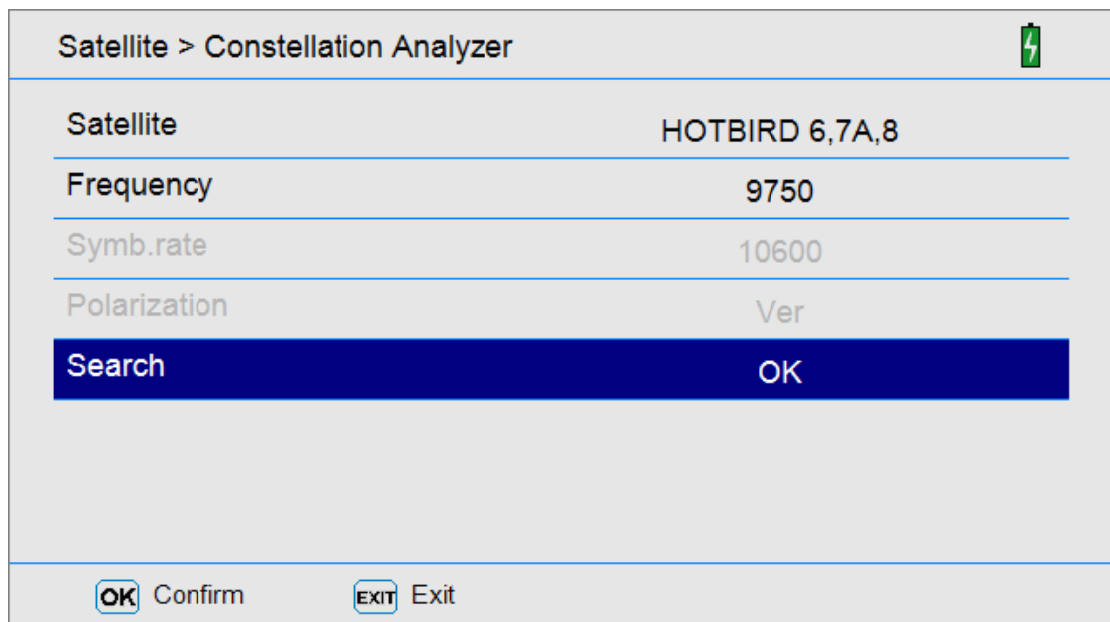
2.1.3Satellite > Constellation



1-3-1

Press [▲/▼] to navigation

Items	Instructions
Analyze by Frequency	Press [OK] to select frequency(1-3-2)
Analyze by Program	Press [OK] to open "Constellation Analyzer" menu, if program is not null

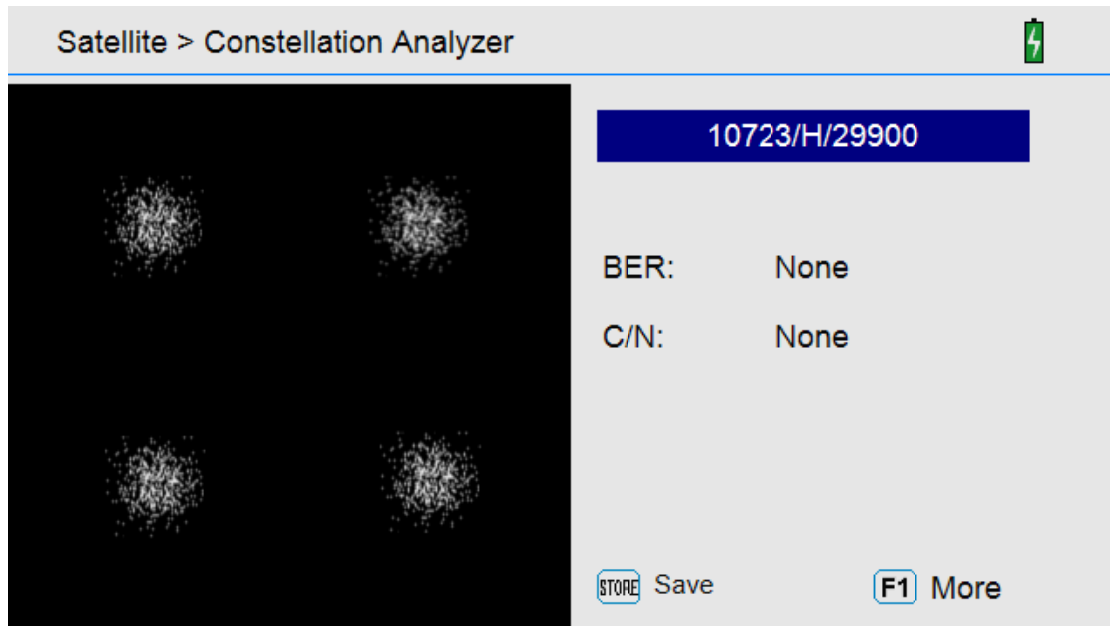


1-3-2

Press [▲/▼] to navigation

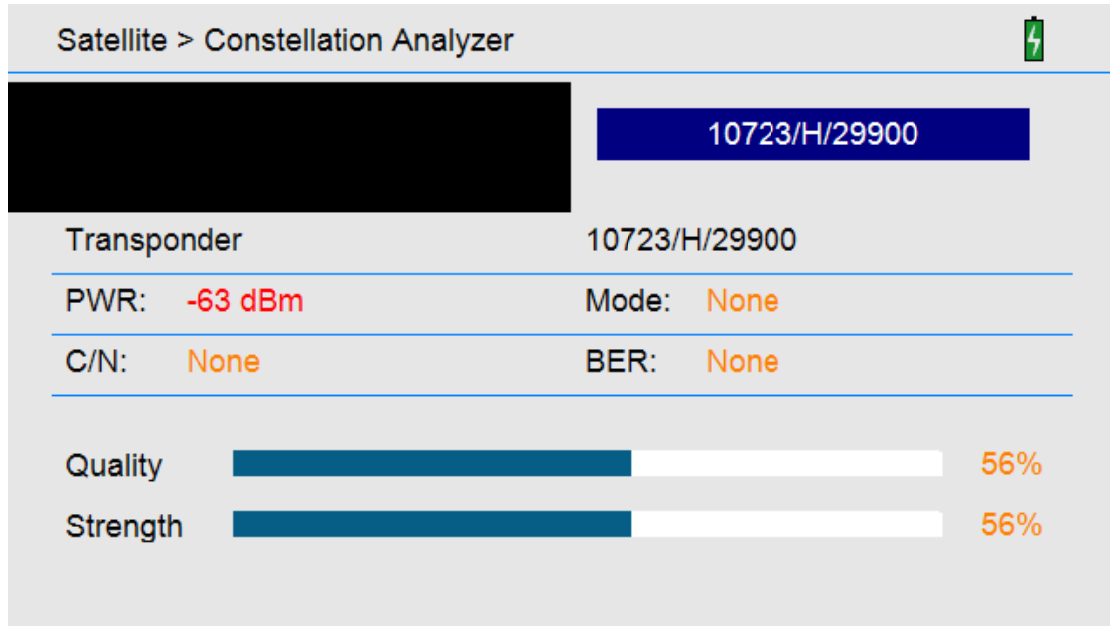
Items	Instructions
-------	--------------

Satellite	Show and choose the satellite. Press [◀/▶] to select satellite, or press [OK] to enter Satellite list.
Frequency	Show and choose the frequency. Press [◀/▶] to select satellite, or press [OK] to enter frequency list.
Symb.rate	Show Symb.rate
Polarization	Show Polarization
Search	Press [OK] to open "Satellite > Constellation Analyzer" menu(1-3-3)



1-3-3

Items	Instructions
[▲/▼]	Press these two buttons to change Transponder
[STORE]	Press this button to save current page to Store Data View
[F1]	Press this button to show more information (see menu 1-3-4)

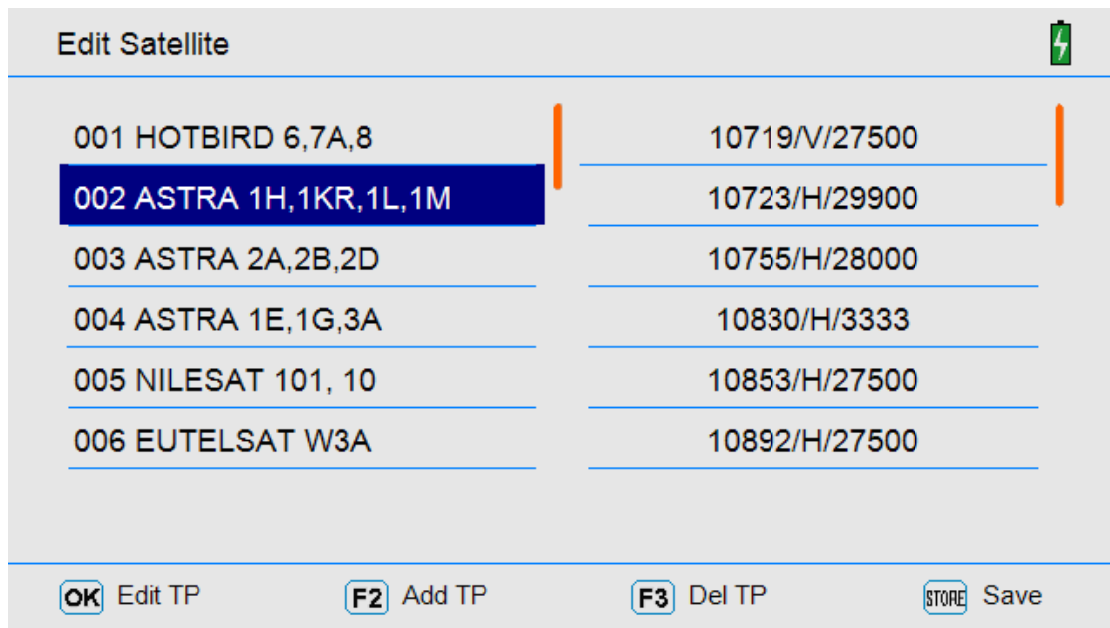


1-3-4

2.1.4 Satellite > Edit Satellite

Press [◀/▶] to switch between satellite list and transponder list.


2.1.4.1 Edit satellites (when satellite item is selected)



1-4-1

Press [▲/▼] to navigation

Items	Instructions
[OK]	Press this button to show satellite edit dialog(1-4-2)
[F2]	Press this button to add new satellite Step1: Set the satellite name, longitude and location(1-4-3) Step2: Set the antenna parameters for the satellite(1-4-4)
[F3]	Press this button to delete current selected satellite. A dialog will display on screen, user can confirm or cancel the delete operation(1-4-5)
[STORE]	Press this button to save all the modifications

Edit Satellite 

001 HOTBIRD 6,7A,8	10719/V/27500
002 ASTRA 1H,1KR,1L,1M	10723/H/29900
003 ASTRA 2A,2B	5/H/28000
004 ASTRA 1E,1G	30/H/3333
005 NILESAT 101,	3/H/27500
006 EUTELSAT W3A	10892/H/27500

Edit Satellite

Name 002 ASTRA 1


Longitude 0.1°

Location East

OK Cancel

OK Edit Sat **F2** Add Sat **F3** Del Sat **STORE** Save

1-4-2

Edit Satellite 

001 HOTBIRD 6,7A,8	10719/V/27500
002 ASTRA 1H,1KR,1L,1M	10723/H/29900
003 ASTRA 2A,2B	5/H/28000
004 ASTRA 1E,1G	30/H/3333
005 NILESAT 101,	3/H/27500
006 EUTELSAT W3A	10892/H/27500

Add satellite - Step 1

Name 002 ASTRA 1


Longitude 0.1°

Location East

Cancel Next

OK Edit Sat **F2** Add Sat **F3** Del Sat **STORE** Save

1-4-3

Edit Satellite 

001 HOTBIRD 6,7A,8	10719/V/27500
002 ASTRA 1H,1K	10723/H/29900
003 ASTRA 2A,2B,	10725/H/28000
004 ASTRA 1E,1G	10730/H/3333
005 NILESAT 101,	10733/H/27500
006 EUTELSAT W3	10732/H/27500

Add satellite - Step 2

LNB type ◀ 9750 ▶

LO.LOW 9750

LO.HIGH 0


LNB power Off

22KHz Off

Cancel Finish

OK Edit Sat **F2** Add Sat **F3** Del Sat **STORE** Save

1-4-4

Edit Satellite 

001 HOTBIRD 6,7A,8	10719/V/27500
002 ASTRA 1H,1KR,1L,1M	10723/H/29900
003 ASTRA 2A,2B,	10725/H/28000
004 ASTRA 1E,1G	10730/H/3333
005 NILESAT 101,	10733/H/27500
006 EUTELSAT W3A	10892/H/27500

ATTENTION

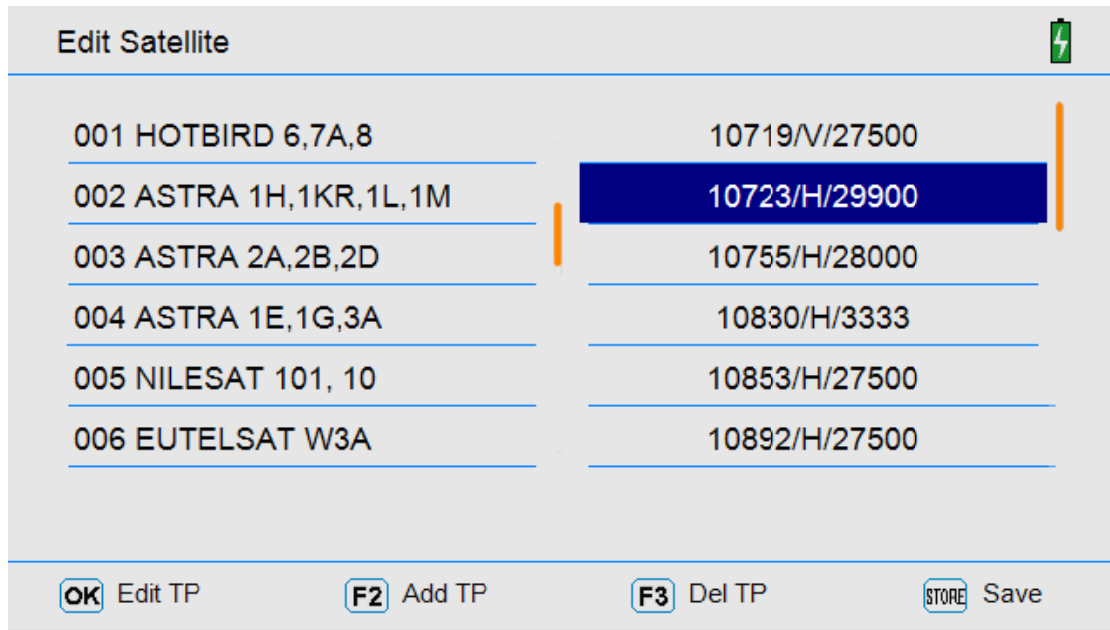
Do you want to delete this satellite?

Confirm Cancel

OK Edit TP **F2** Add TP **F3** Del TP **STORE** Save

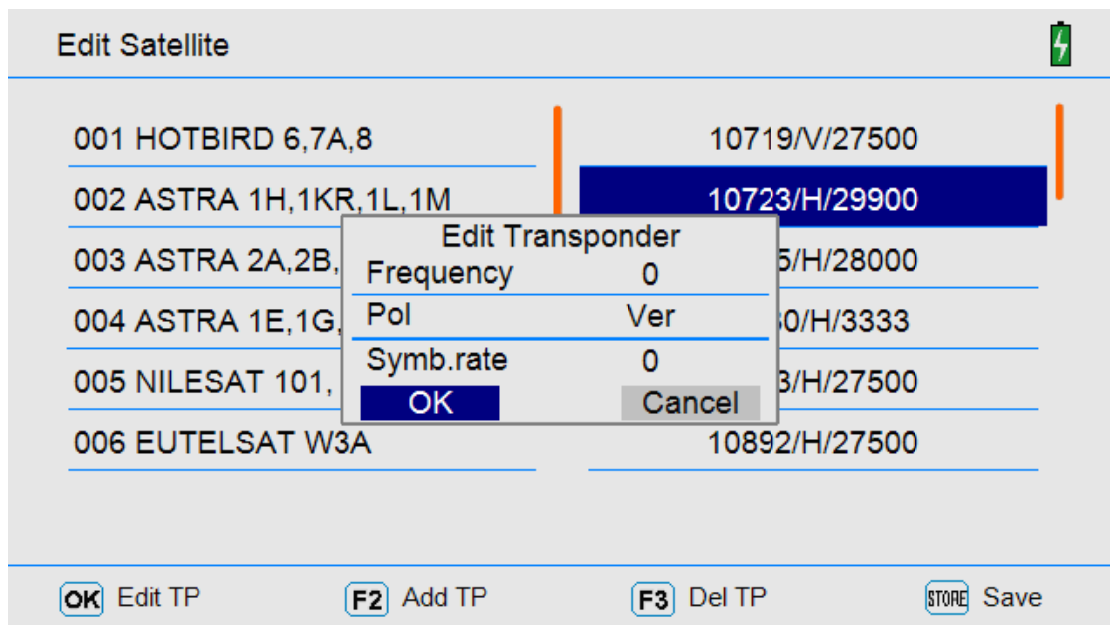
1-4-5

2.1.4.2 Edit transponder (when transponder item is selected)




1-4-6

Items	Instructions
[OK]	Press this button to show transponder edit dialog(1-4-7)
[F2]	Press this button to add new transponder(1-4-8)
[F3]	Press this button to delete current selected transponder. A dialog will display on screen, user can confirm or cancel the delete operation(1-4-9)
[STORE]	Press this button to save all the modifications



1-4-7

Edit Satellite 


001 HOTBIRD 6,7A,8	10719/V/27500
002 ASTRA 1H,1KR,1L,1M	10723/H/29900
003 ASTRA 2A,2B,	5/H/28000
004 ASTRA 1E,1G,	0/H/3333
005 NILESAT 101,	3/H/27500
006 EUTELSAT W3A	10892/H/27500

Add Transponder

Frequency	0
Pol	Ver
Symb.rate	0
OK	Cancel

Edit TP
 Add TP
 Del TP
 Save

1-4-8

Edit Satellite 

001 HOTBIRD 6,7A,8	10719/V/27500
002 ASTRA 1H,1KR,1L,1M	10723/H/29900
003 ASTRA 2A,2B,	/H/28000
004 ASTRA 1E,1G,	0/H/3333
005 NILESAT 101,	/H/27500
006 EUTELSAT W3A	10892/H/27500

ATTENTION

Do you want to delete this TP?

Edit TP
 Add TP
 Del TP
 Save

1-4-9


2.1.5 Satellite > Dish Set-up

Satellite > Dish Set-up	
Satellite	HOTBIRD 6,7A,8
LNB type	Customised
LO.LOW	9750
LO.HIGH	10600
22KHz	AUTO
LNB power	AUTO
Switch Type	SCD2 PORT D
Switch Input	None
Centre Freq	0000
Motor	Fixed
OK Confirm	EXIT Exit
STORE Save	F1 Auto DiSEqC

1-5-1

Press [▲/▼] to navigation.

Items	Instructions
Satellite	Show and choose the satellite. Press [◀/▶] to select satellite, or press [OK] to enter Satellite list.
LNB Type	Set LNB Type, press [◀/▶] button to switch. Default set to UNIVERSAL
LO.LOW	Show the low local oscillator value. Use digital button to input the LO.LOW once the LNB Type is customized
LO.HIGH	Show the low local oscillator value. Use digital button to input the LO.HIGH once the LNB Type is customized
22KHz	Set 22K status. Press [◀/▶] button to switch between ON/OFF/Auto. Default set to Auto
LNB Power	Set the antenna power. Press [◀/▶] button to switch between Auto/13V/18V/OFF. Default set to Auto
Switch Type	Set DiSEqC type. Press [◀/▶] button to switch between None/DiSEqC1.0/ DiSEqC1.1. Default set to None
Switch Input	Set DiSEqC1.0 or DiSEqC1.1's input port. Default set to None
Centre Freq	
Motor	Set antenna motor type. Press [◀/▶] button to switch between Fixed / DiSEqC1.2/USALS. Default set to Fixed
[F1]	Press this button to start Auto DiSEqC 1.0 automatically checking(1-5-2)
[F2]	Press this button to measure feed current and voltage for DVB-S LNB(1-5-3)

Satellite > Dish Set-up 

Satellite	HOTBIRD 6,7A,8	
LNB type	◀	Customised ▶
LO.LOW		9750
LO.HIGH		10600
22KHz		AUTO
LNB power		AUTO
Switch Type		2 PORT D
Switch Input		None
Centre Freq		0000
Motor		Fixed

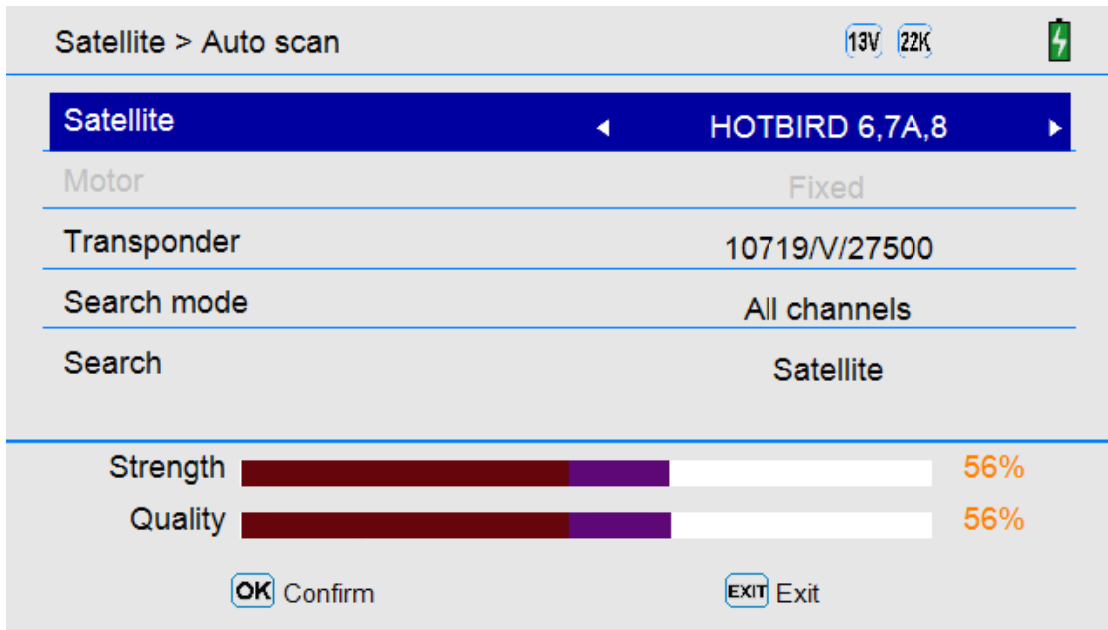
Auto DiSEqC
Please wait...

Confirm
 Exit
 Save
 Auto DiSEqC

1-5-2

1-5-3

2.1.6 Satellite > Auto scan




1-6-1

Press [▲/▼] to navigation.

Items	Instructions
Satellite	Select the satellite you want to find by [◀/▶] or press [OK] to enter the satellite list to select
Motor	It is defaulted set for "DISH SET-UP" menu. It was not allowed to modify unless you enter "DISH SET-UP" menu
Transponder	Select the transponder you want, the LOCK light turns on and the warning rings when it was switched to the TP which has signals
Search mode	Select the channel mode which you want to search. Press [◀/▶] to switch between All channels and FTA
Search	Select search scope, Satellite /Transponder/Blind. Press [OK] to start scan channels(1-1-2)

2.1.7 Satellite > Angle Calculation

Satellite > Angle Calculation 🔋

Satellite	HOTBIRD 6,7A,8	
Longitude	0.1°	
Location	East	
Latitude	0.1°	
Hemisphere	North	
Calculation	OK	
Azimuth	°	
Elevation	° Pol °	

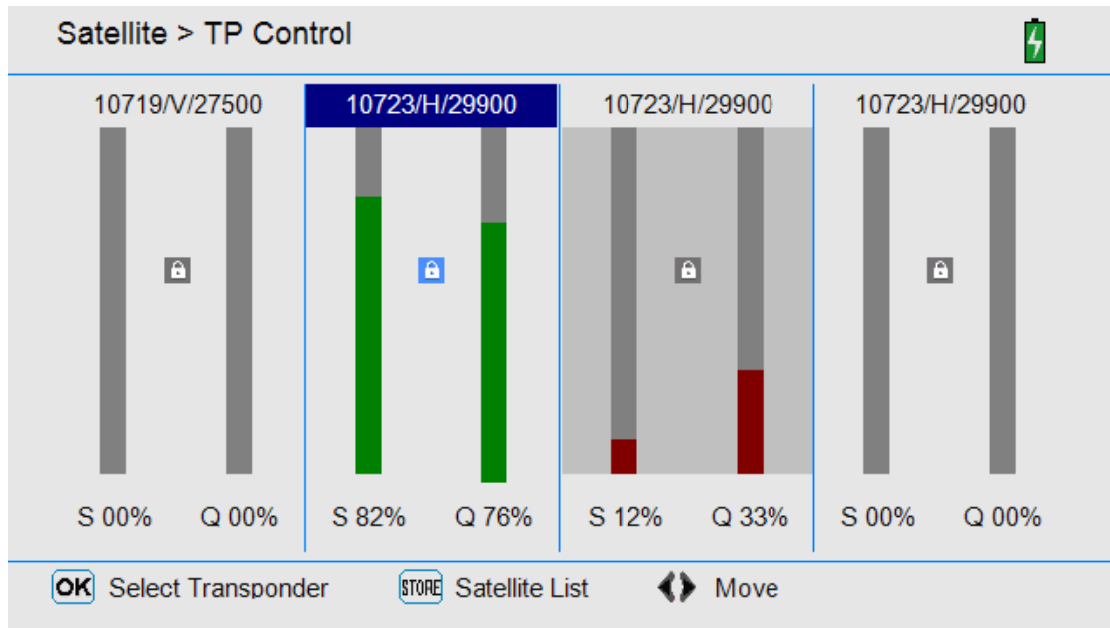
OK Confirm EXIT Exit

1-7-1

Press [▲/▼] to navigation.

Items	Instructions
Satellite	Select the satellite you want to find by [◀/▶] or press [OK] to enter the satellite list to select
Longitude	Input the longitude directly by 0~9 numeric buttons
Location	Set the location. Press [◀/▶] to switch between West/East
Latitude	Input the latitude directly by 0~9 numeric buttons
Hemisphere	Set the hemisphere. Press [◀/▶] to switch between South/North
Calculation	Press [OK] to calculate the Azimuth, Elevation and Pol. The results will be display both by Text and Picture
Azimuth	Show the azimuth of the chosen satellite
Elevation	Show the elevation of the chosen satellite
Polarity	Show the polarity angel of the chosen satellite

2.1.8 Satellite > TP Control



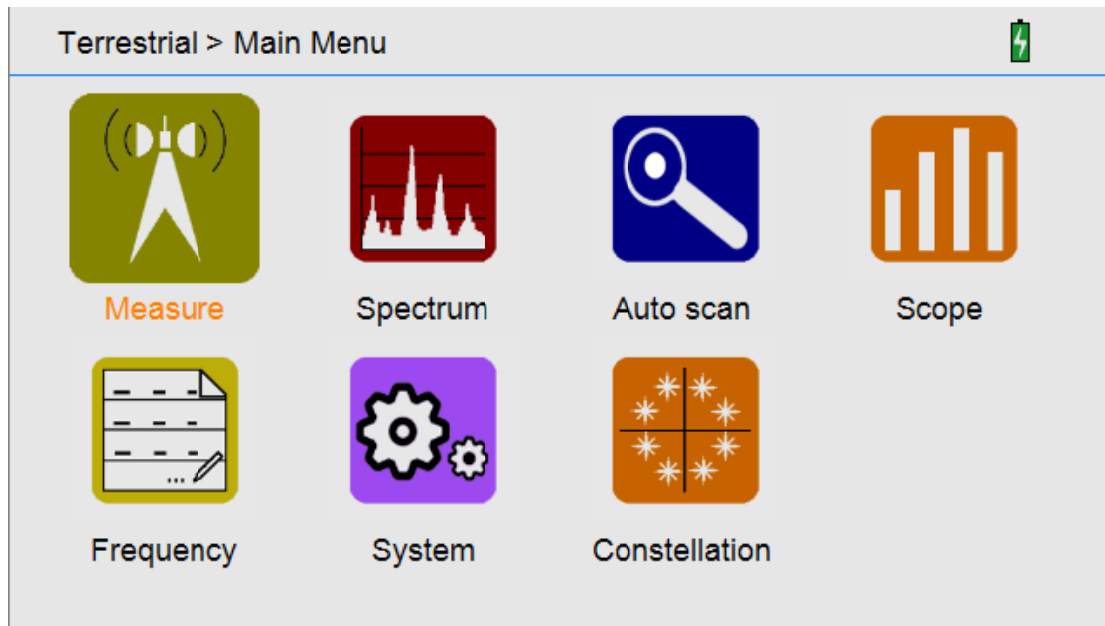
1-8-1

This menu show Strength and Quality of five selected Transponder

Items	Instructions
[OK]	Select transponder
[SAT]	Show satellite list
[←/→]	Change position of focus

2.2 Terrestrial

This menu for DVB-T functions. Please see screen shot 2-1.




2-1

Press [▲/▼/◀/▶] to navigation.

Items	Instructions
Measure	Press [OK] to open "Terrestrial > Measure" menu(2-1-1)
Spectrum	Press [OK] to open "Terrestrial > Spectrum" menu(2-2-1)
Auto scan	Press [OK] to open "Terrestrial > Auto scan" menu(2-3-1)
Scope	Press [OK] to open "Terrestrial > Scope" menu(2-4-1)
Frequency	Press [OK] to open "Terrestrial > Frequency" menu(2-5-1)
System	Press [OK] to open "Terrestrial > System" menu(2-6-1)
Constellation	Press [OK] to open "Terrestrial > Constellation" menu(2-7-1)

2.2.1 Terrestrial > Measure

Terrestrial > Measure 5V 

Channel No. 6


Frequency 177.05 MHz


Band Width 7M

Search **OK**

Level: **-63 dBm** **UNLOCK** BER:

C/N: PER:


Strength  **56%**

Quality  **56%**

OK Confirm F3 Zoom STORE Save

2-1-1

Items	Instructions
Channel No.	Select the channel No. you want to find by [◀/▶] or press [OK] to enter the channel No. list to select
Frequency	Show frequency
Band Width	Show band width
Search	Press [OK] to start scan channels(2-1-2)

Terrestrial > Scanning 

TV

0001 Kabel1 (VH)

0002 CNBC Europe

0003 SWR BW HD

0004 Bayerisches FS S

0005 hr-fernsehen

Radio

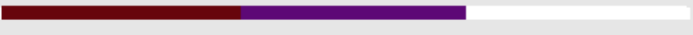
0001 DKUL TUR


0002 DLF

0003 DRadio DokDeb

0004 Radio 2M

0005 Chaine 2

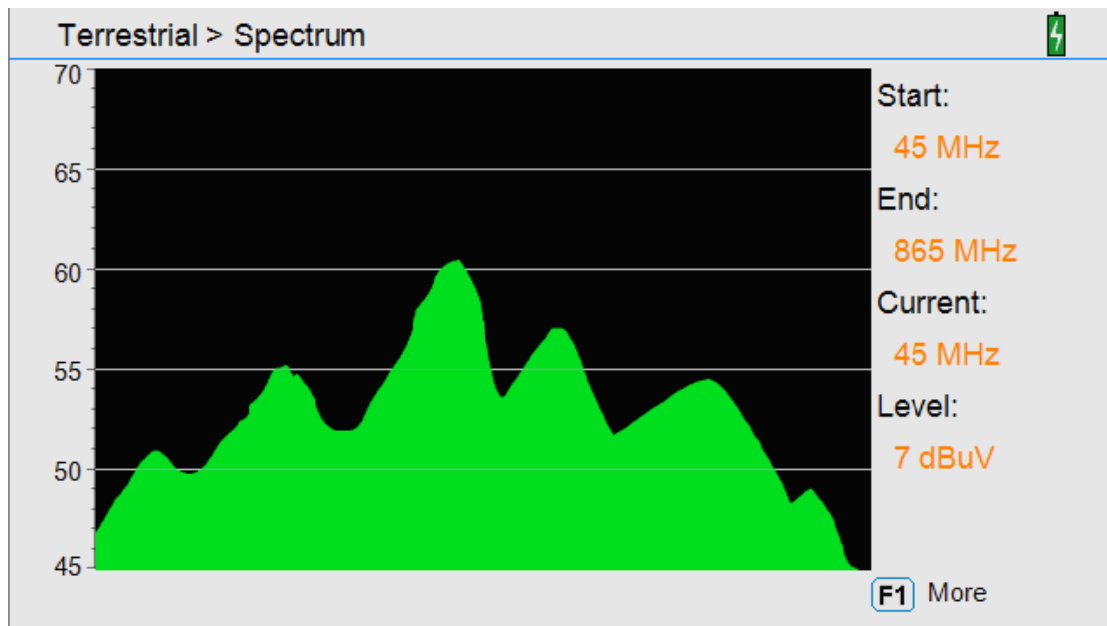
Quality  **56%**

Strength  **56%**

10723/H/29900

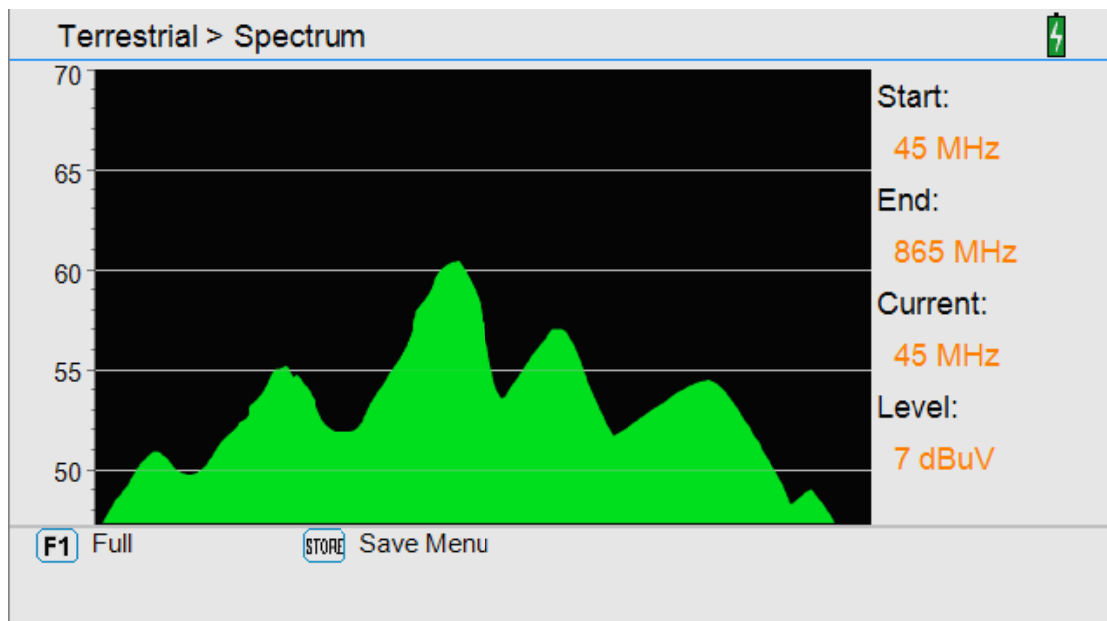
2-1-2

2.2.2 Terrestrial > Spectrum



2-2-1

Press [F1] to show more information in this menu. Please see screen shot (2-2-2).



2-2-2

Items	Instructions
[F1]	Press this button to switch SPAN of spectrum abscissa between Full, 200MHz and 400MHz, FULL as Default. The smaller span will show clearer signal status of frequencies.
[STORE]	Press this button to save menu

2.2.3 Terrestrial > Auto scan

Terrestrial > Auto scan Off

Channel No. ◀ 6 ▶

Transponder 177.50 MHz 7 MHz

Search mode All Channel

Search All Transponder

Strength 56%

Quality 56%

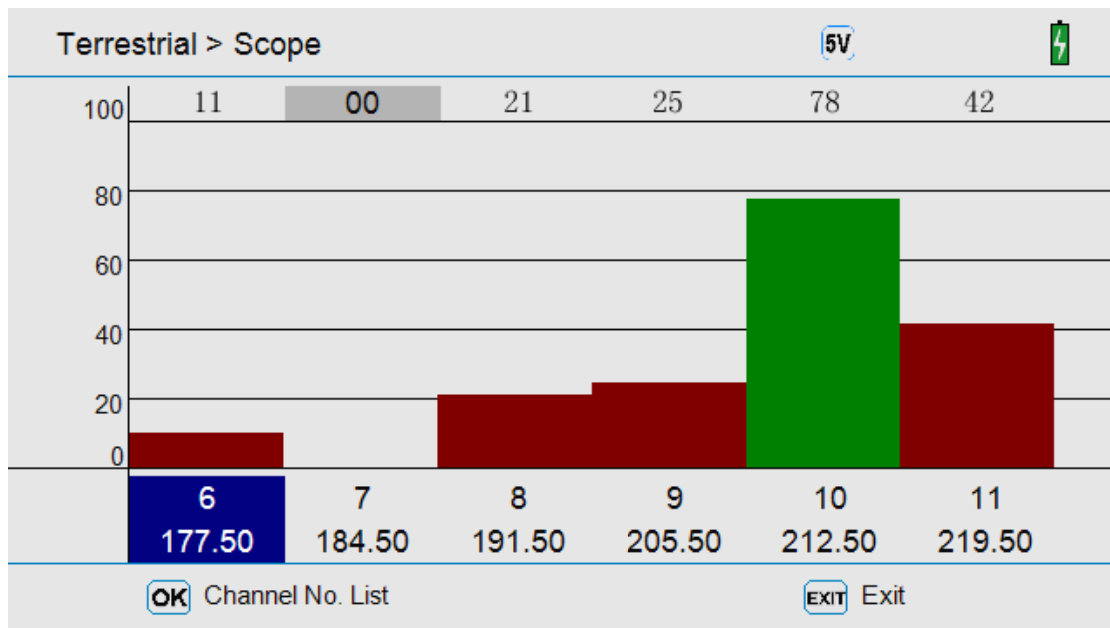
Confirm Exit

2-3-1

Press [/] to navigation.

Items	Instructions
Channel No.	Select the channel No. you want to find by [/] or press [OK] to enter the channel No. list to select
Transponder	Show Transponder information
Search mode	Select the channel mode which you want to search. Press [/] to switch between All channels and FTA
Search	Select search scope, Satellite /Transponder/Blind. Press [OK] to start scan channels(2-1-2)

2.2.4 Terrestrial > Scope





2-4-1

This menu show signal of each frequency.

Items	Instructions
[OK]	Press this button to show Channel NO. list dialog
[◀/▶]	Change the position of focus

2.2.5 Terrestrial > Frequency Table


Terrestrial > Frequency Table 				
ID	Channel No.	Frequency	T/T2	Band Width
1	6	177.5	T2	7 Mz
2	7	184.5	T2	7 Mz
3	8	191.5	T2	7 Mz
4	9	205.5	T2	7 Mz
5	10	212.5	T2	7 Mz
6	11	219.5	T2	7 Mz
7	12	226.5	T2	7 Mz




 Enter Edit Mode

2-5-1





Press [/] to navigation.

Press [OK] to enter the edit mode (2-5-2)

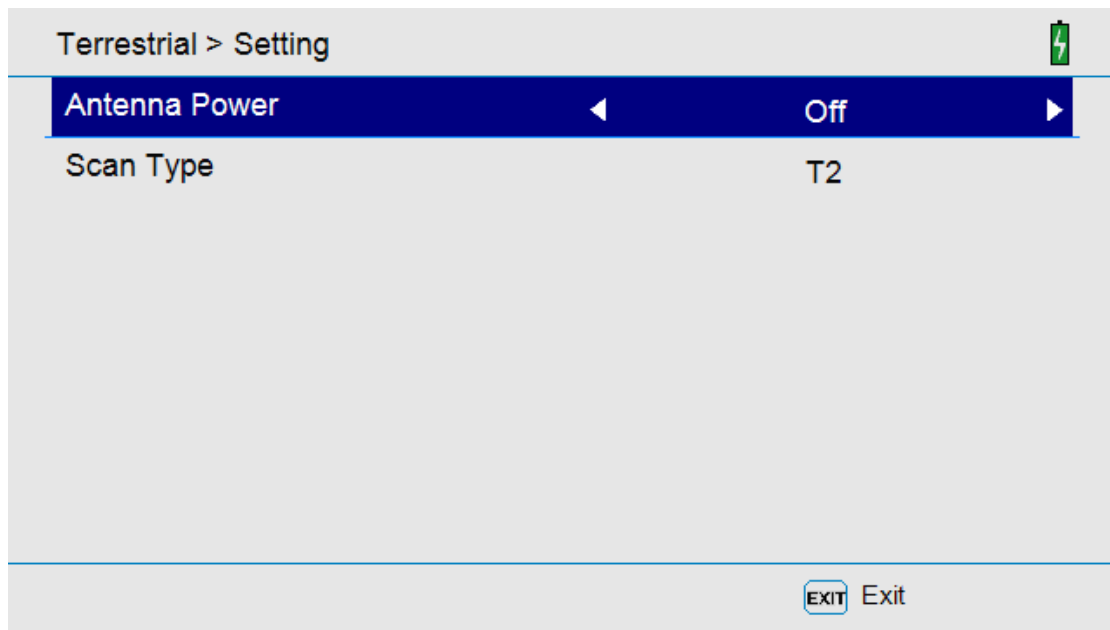
Terrestrial > Frequency Table 				
ID	Channel No.	Frequency	T/T2	Band Width
1	6	177.5	T2	7 Mz
2	7	184.5	T2	7 Mz
3	8	191.5	T2	7 Mz
4	9	205.5	T2	7 Mz
5	10	212.5	T2	7 Mz
6	11	219.5	T2	7 Mz
7	12	226.5	T2	7 Mz

 Enter Edit Mode
  Change Item
  Change Value

2-5-2

Items	Instructions
[OK]	Exit edit mode
[ / ]	Switch item between "Frequency", "T/T2" and "Band Width"
[ / ]	Change value

2.2.6 Terrestrial > Setting

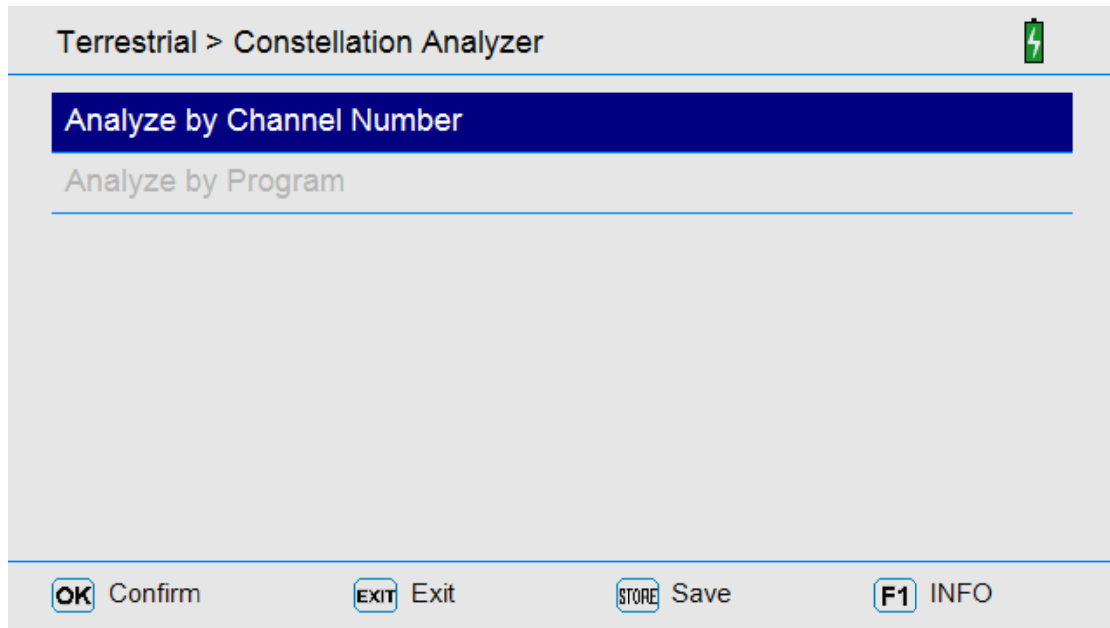


2-6-1

Press [▲/▼] to navigation.

Items	Instructions
Antenna Power	Press [◀/▶] to switch between Off and On

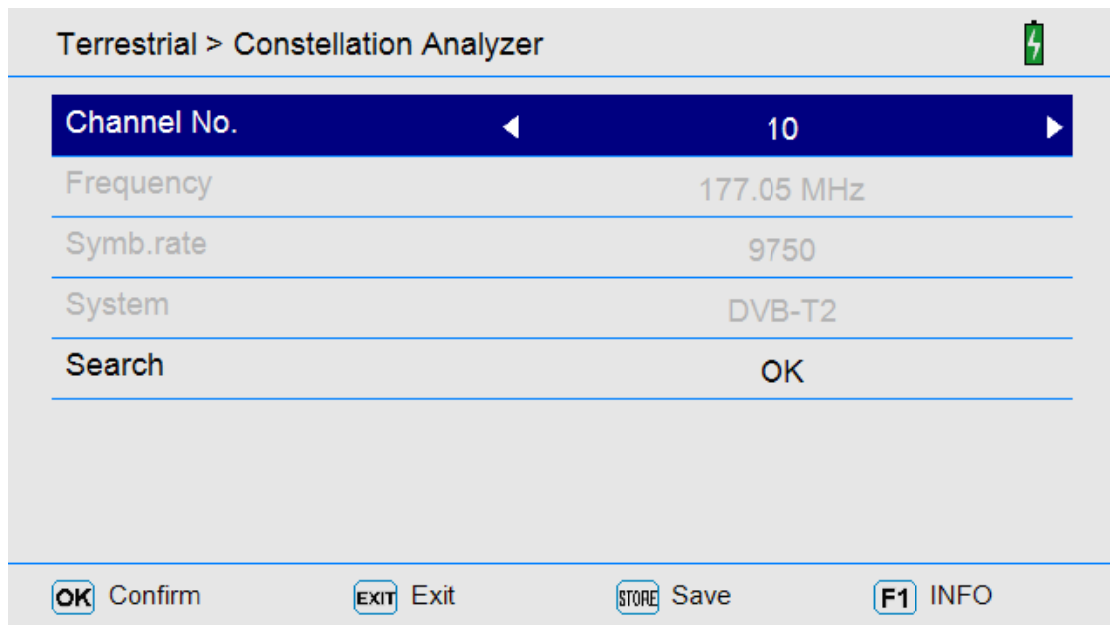
2.2.7 Terrestrial > Constellation



2-7-1

Press [▲/▼] to navigation

Items	Instructions
Analyze by Channel Number	Press [OK] to select frequency(2-7-2)
Analyze by Program	Press [OK] to open “Constellation Analyzer” menu, if program is not null

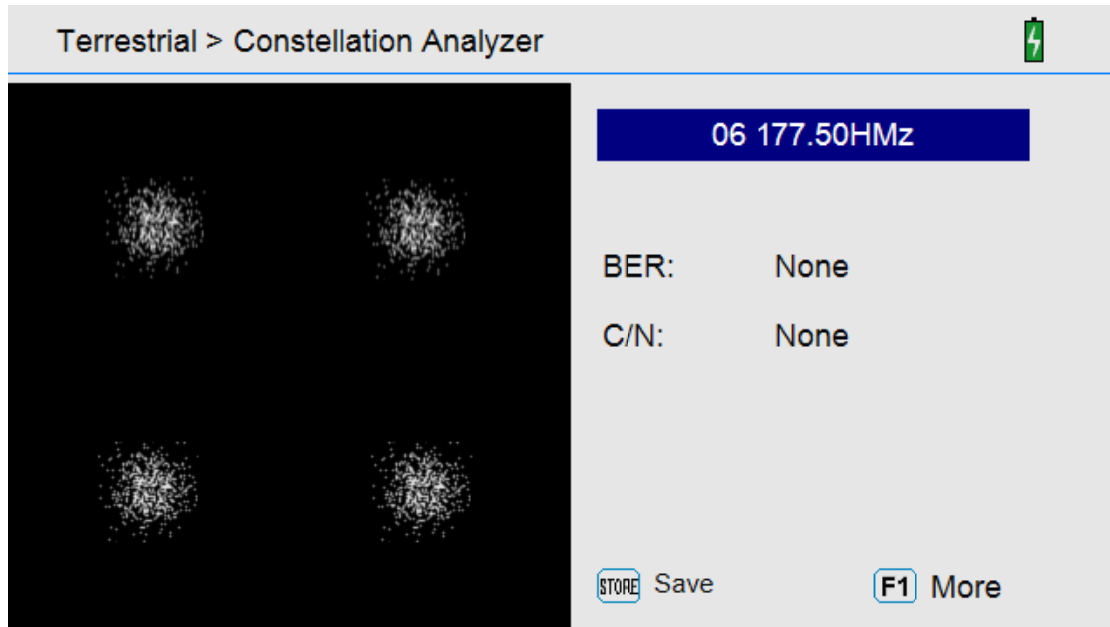


2-7-2

Press [▲/▼] to navigation

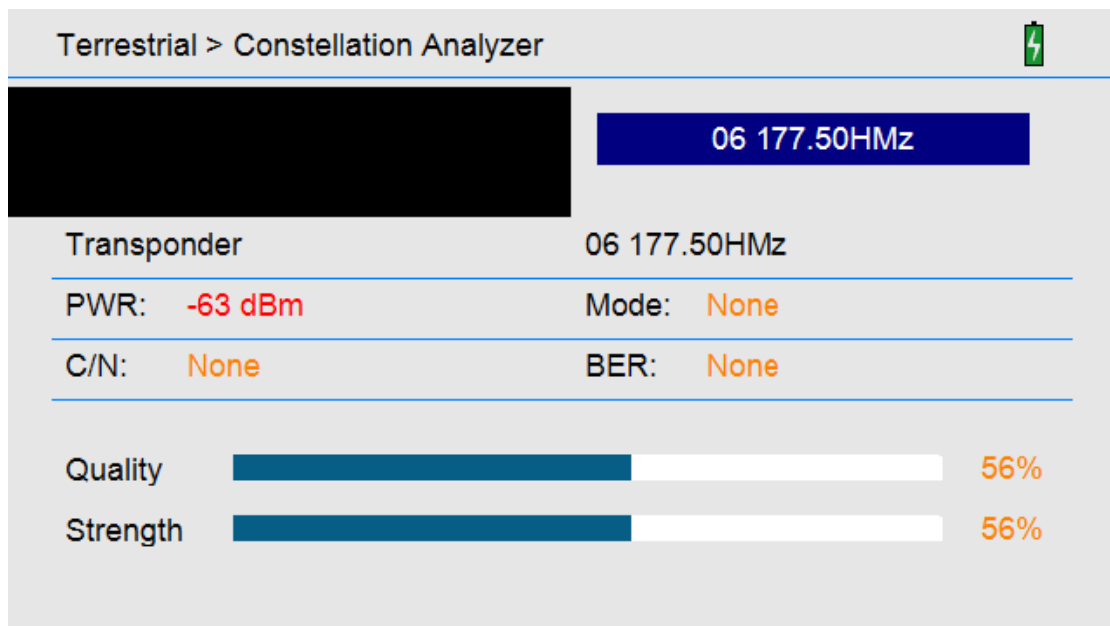
Items	Instructions
Channel No.	Show and choose the Channel No. Press [◀/▶] to select Channel No, or press [OK] to enter Channel No. list.

Frequency	Show the frequency.
Symb.rate	Show Symb.rate
System	Show this system is DVB-C
Search	Press [OK] to open "Terrestrial > Constellation Analyzer" menu(2-7-3)



2-7-3

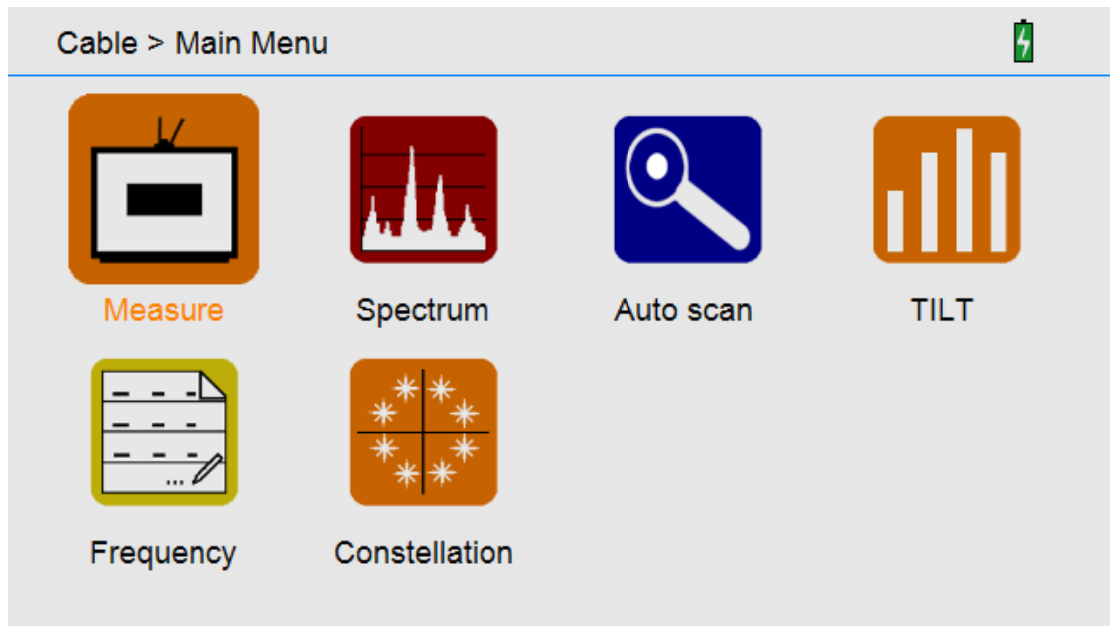
Items	Instructions
[▲/▼]	Press these two buttons to change channel
[STORE]	Press this button to save current page to Store Data View
[F1]	Press this button to show more information (see menu 2-7-4)



2-7-4

2.3 Cable

This menu for DVB-C functions. Please see screen shot (3-1).



3-1

Press [▲/▼/◀/▶] to navigation.

Items	Instructions
Measure	Press [OK] to open "Cable > Measure" sub menu(3-1-1)
Spectrum	Press [OK] to open "Cable > Spectrum" sub menu(3-2-1)
Auto scan	Press [OK] to open "Cable > Auto scan" sub menu(3-3-1)
TILT	Press [OK] to open "Cable > TILT" sub menu(3-4-1)
Frequency	Press [OK] to open "Cable > Frequency" sub menu(3-5-1)
Constellation	Press [OK] to open "Cable > Constellation" sub menu(3-6-1)

2.3.1 Cable > Measure

Cable > Measure

Channel No.
6

Frequency
177.05 MHz

Band Width
9750

Search
OK

Level: -63 dBm
BER:

C/N:
UNLOCK
PER:

Strength56%

Quality56%

Confirm
 Zoom

3-1-1

Press [▲/▼] to navigation.

Items	Instructions
Channel No.	Select the channel No. you want to find by [◀/▶] or press [OK] to enter the channel No. list to select
Frequency	Show frequency
Band Width	Show band width
Search	Press [OK] to start scan channels(3-1-2)

Cable > Scanning

TV

Radio

0001 Kabel1 (VH)

0002 CNBC Europe

0003 SWR BW HD

0004 Bayerisches FS S

0005 hr-fernsehen

0001 DKUL TUR

0002 DLF

0003 DRadio DokDeb

0004 Radio 2M

0005 Chaine 2

Quality

Strength

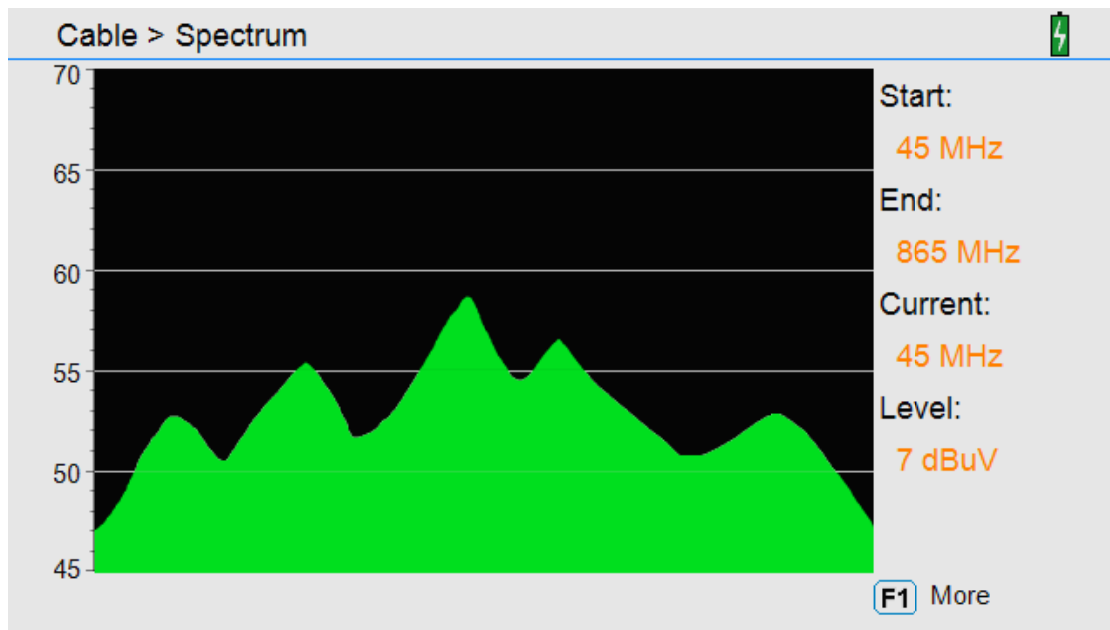
56%

10723/H/29900

3-1-2

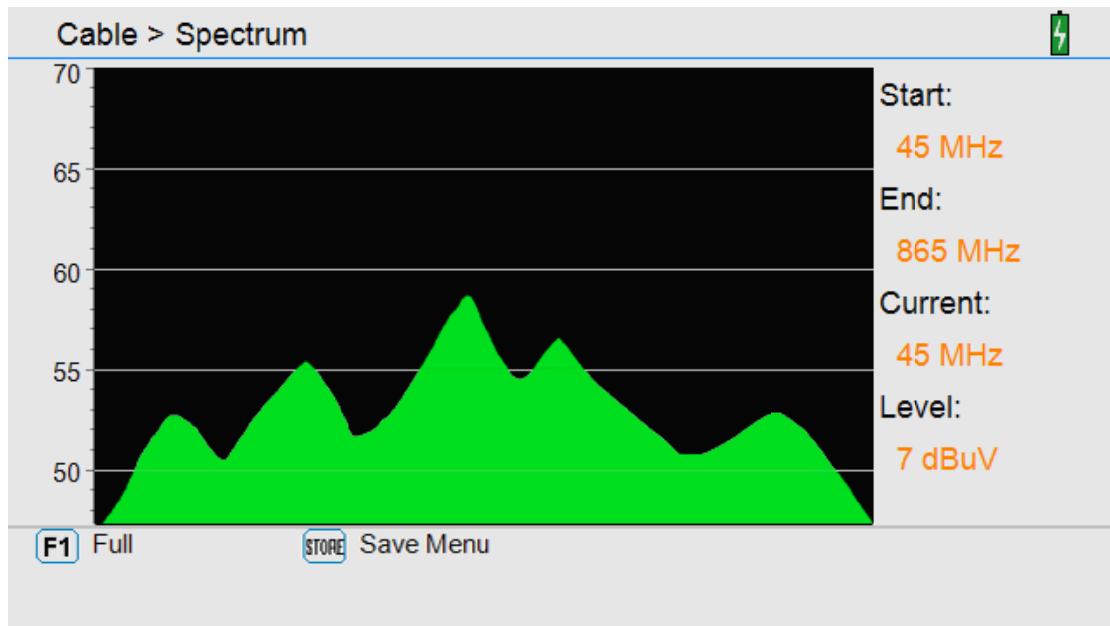
34

2.3.2Cable > Spectrum



3-2-1


Press [F1] to show more information in this menu. Please see screen shot (3-2-2).



3-2-2

Items	Instructions
[F1]	Press this button to switch SPAN of spectrum abscissa between Full, 200MHz and 400MHz, FULL as Default. The smaller span will show clearer signal status of frequencies.
[STORE]	Press this button to save menu

2.3.3Cable > Auto scan


Cable > Auto scan 


Channel No. ◀ 6 ▶



Transponder 113.00 MHz

Search mode All Channel

Search All Transponder

Strength  56%

Quality  56%

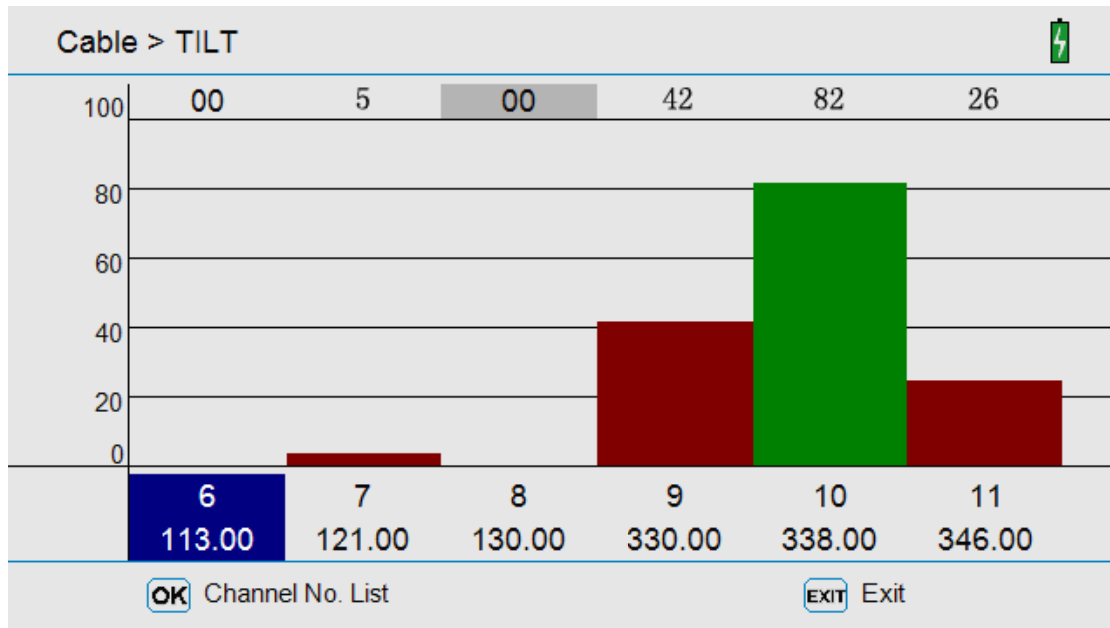
 Confirm  Exit

3-3-1

Press [▲/▼] to navigation.

Items	Instructions
Channel No.	Select the channel No. you want to find by [◀/▶] or press [OK] to enter the channel No. list to select
Transponder	Show Transponder information
Search mode	Select the channel mode which you want to search. Press [◀/▶] to switch between All channels and FTA
Search	Select search scope, Satellite /Transponder/Blind. Press [OK] to start scan channels(3-1-2)

2.3.4 Cable > TILT





3-4-1

This menu show signal of each frequency.

Items	Instructions
[OK]	Press this button to show Channel NO. list dialog
[◀/▶]	Change the position of focus

2.3.5 Cable > Transponder Table


Cable > Transponder Table 				
ID	Channel No.	Frequency	Type	Symb.rate
1	6	177.5	C	6875
2	7	184.5	C	6875
3	8	191.5	C	6875
4	9	205.5	C	6875
5	10	212.5	C	6875
6	11	219.5	C	6875
7	12	226.5	C	6875




 Enter Edit Mode

3-5-1

Press [$\blacktriangle/\blacktriangledown$] to navigation.

Press [OK] to enter the edit mode (3-5-2)

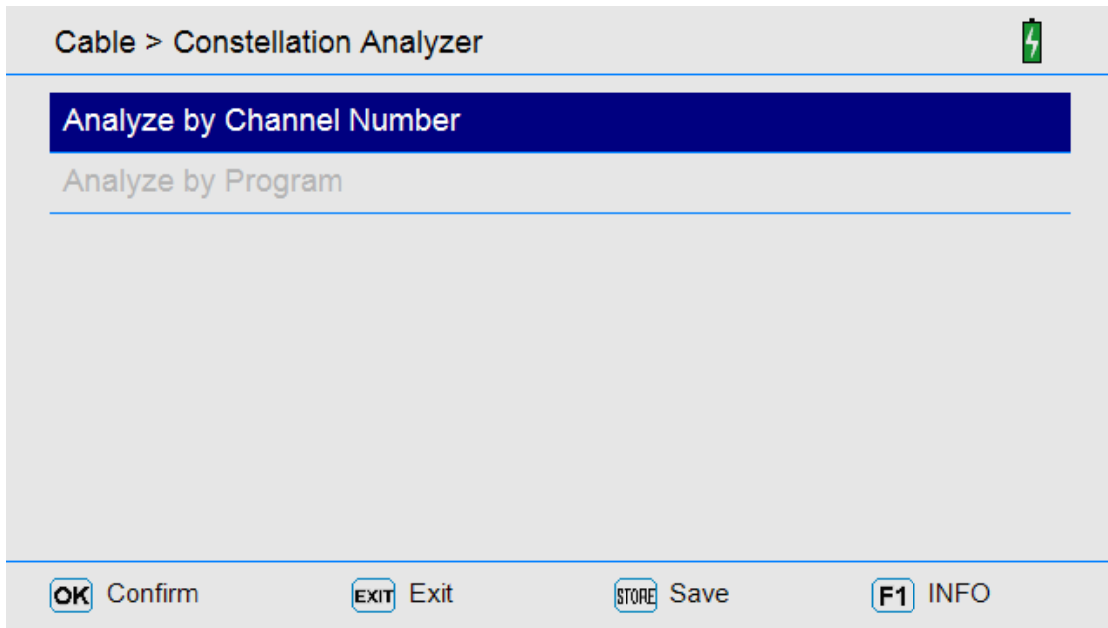
Cable > Transponder Table 				
ID	Channel No.	Frequency	Type	Symb.rate
1	6	177.5	C	6875
2	7	184.5	C	6875
3	8	191.5	C	6875
4	9	205.5	C	6875
5	10	212.5	C	6875
6	11	219.5	C	6875
7	12	226.5	C	6875

 Enter Edit Mode
  Change Item
  Change Value

3-5-2

Items	Instructions
[OK]	Exit edit mode
[$\blacktriangle/\blacktriangledown$]	Switch item between "Frequency", "Type" and "Symb.rate"
[$\blacktriangle/\blacktriangledown$]	Change value

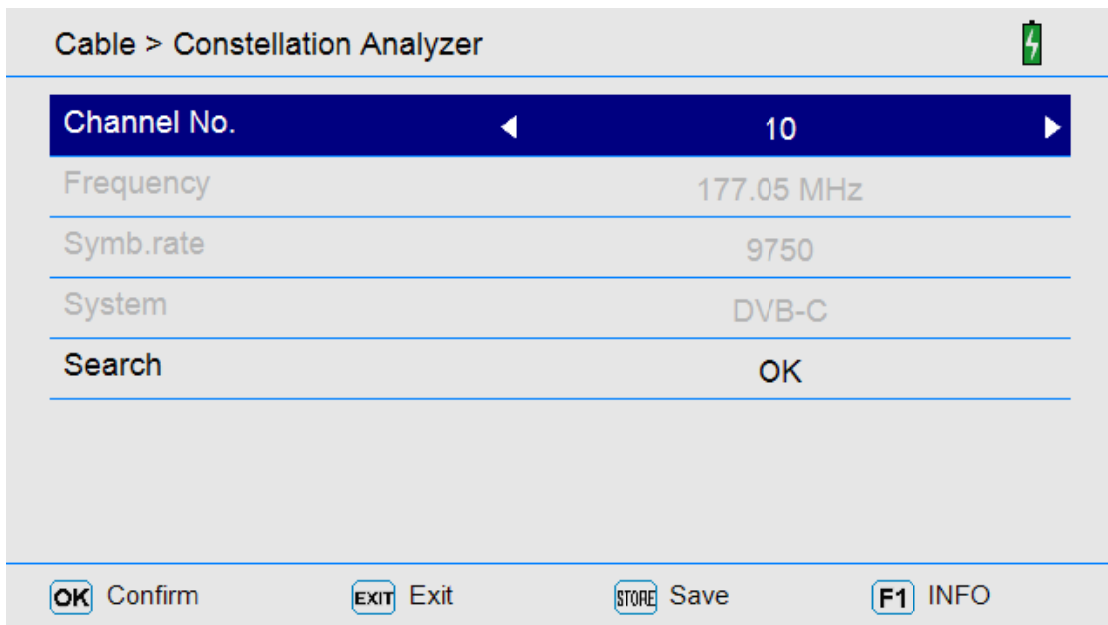
2.3.6Cable > Constellation



3-6-1

Press [▲/▼]to navigation

Items	Instructions
Analyze by Channel Number	Press [OK] to select frequency(3-6-2)
Analyze by Program	Press [OK] to open “Constellation Analyzer” menu, if program is not null

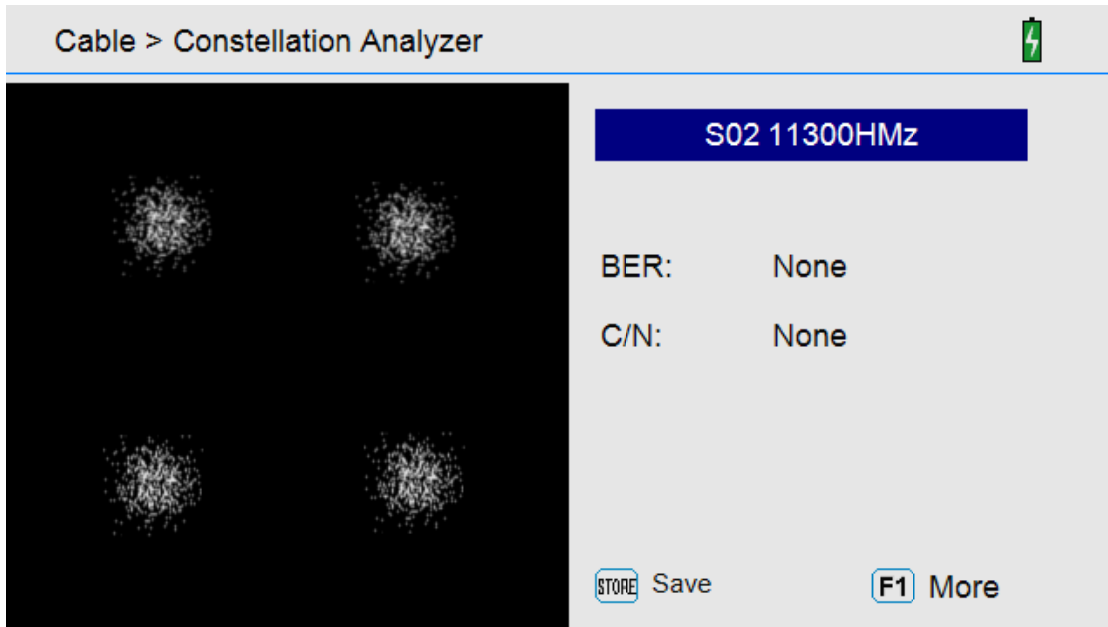


3-6-2

Press [▲/▼]to navigation

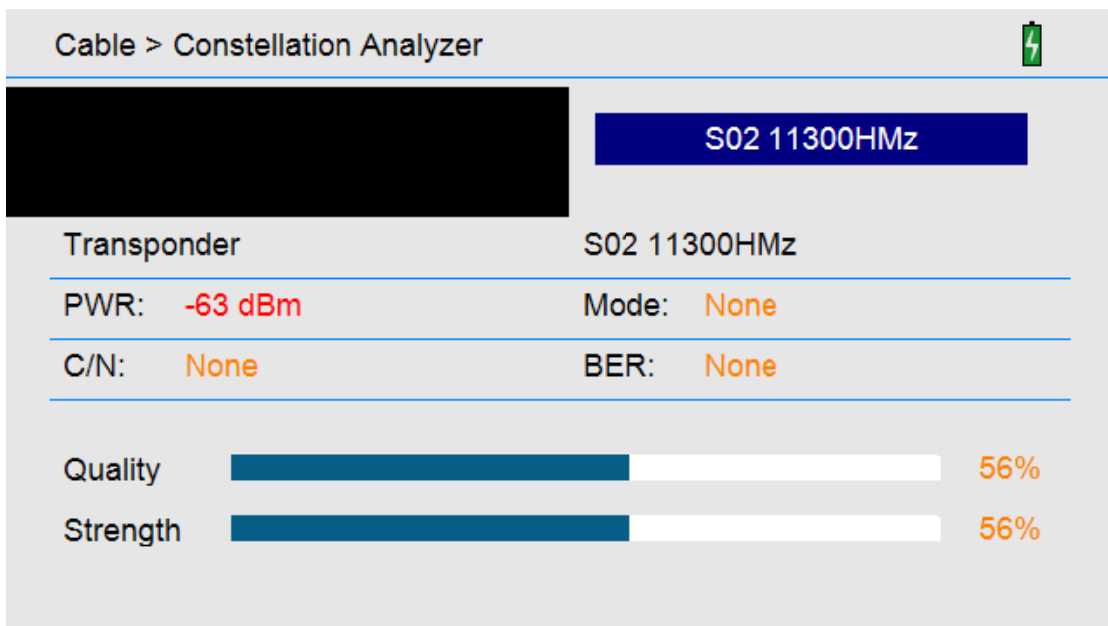
Items	Instructions
Channel No.	Show and choose the Channel No. Press [◀/▶] to select Channel No, or press [OK] to enter Channel No. list.

Frequency	Show the frequency.
Symb.rate	Show Symb.rate
System	Show this system is DVB-C
Search	Press [OK] to open "Cable > Constellation Analyzer" menu(3-6-3)



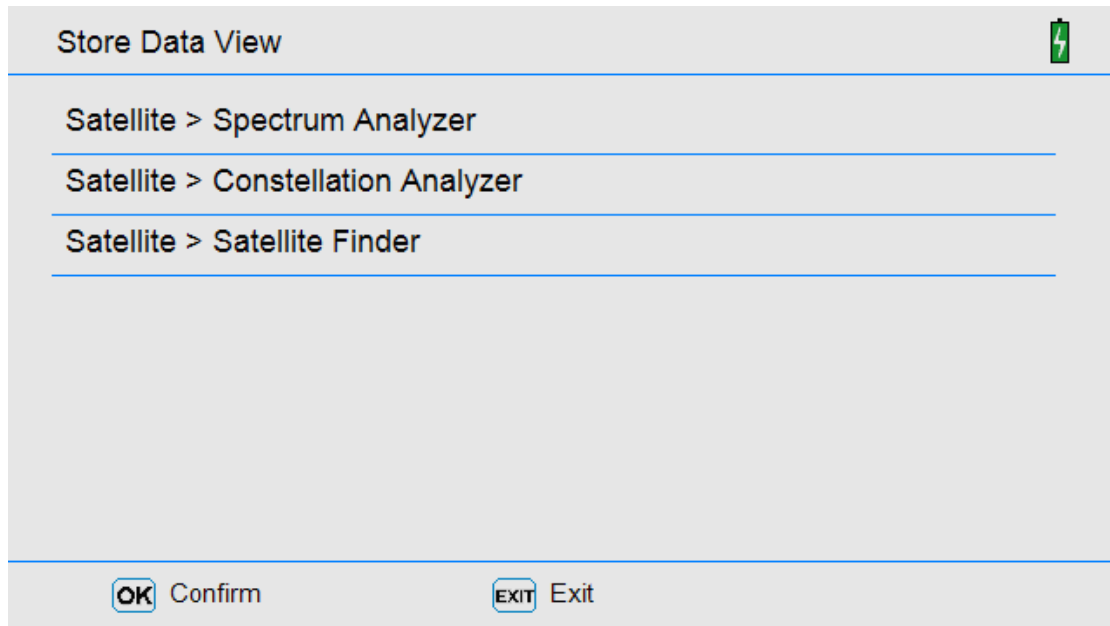
3-6-3

Items	Instructions
[▲/▼]	Press these two buttons to select channel
[STORE]	Press this button to save current page to Store Data View
[F1]	Press this button to show more information (see menu 3-6-4)



3-6-4

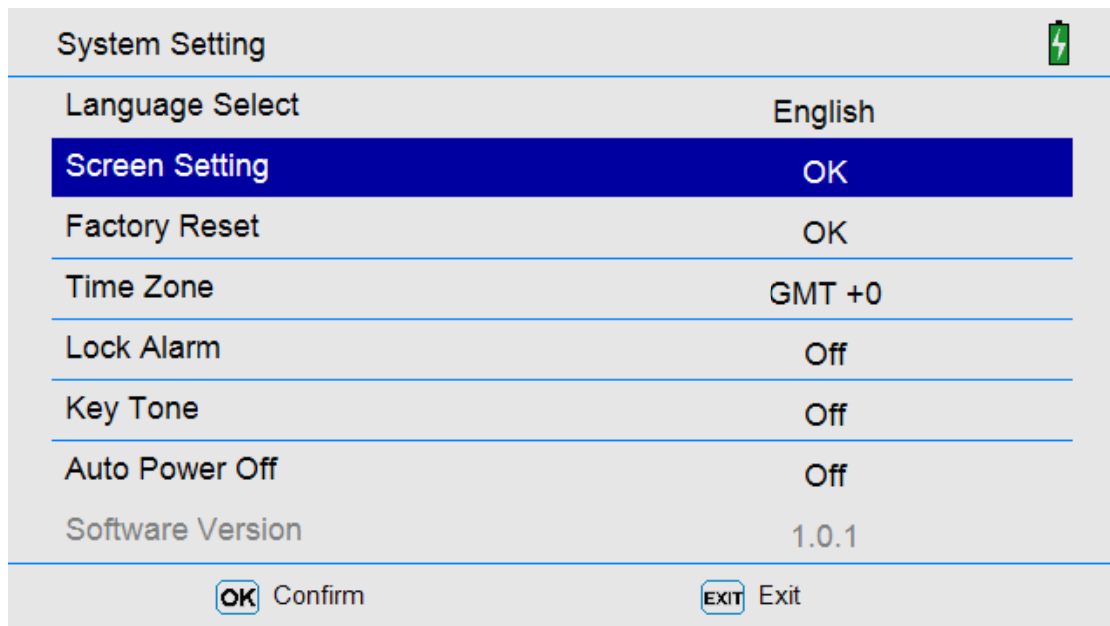
2.4 Saving



4-1

Items	Instructions
Satellite > Spectrum Analyzer	Press [OK] button to save Satellite > Spectrum Analyzer
Satellite > Constellation Analyzer	Press [OK] button to save Satellite > Constellation Analyzer
Satellite > Satellite Finder	Press [OK] button to save Satellite > Satellite Finder

2.5 System Setting

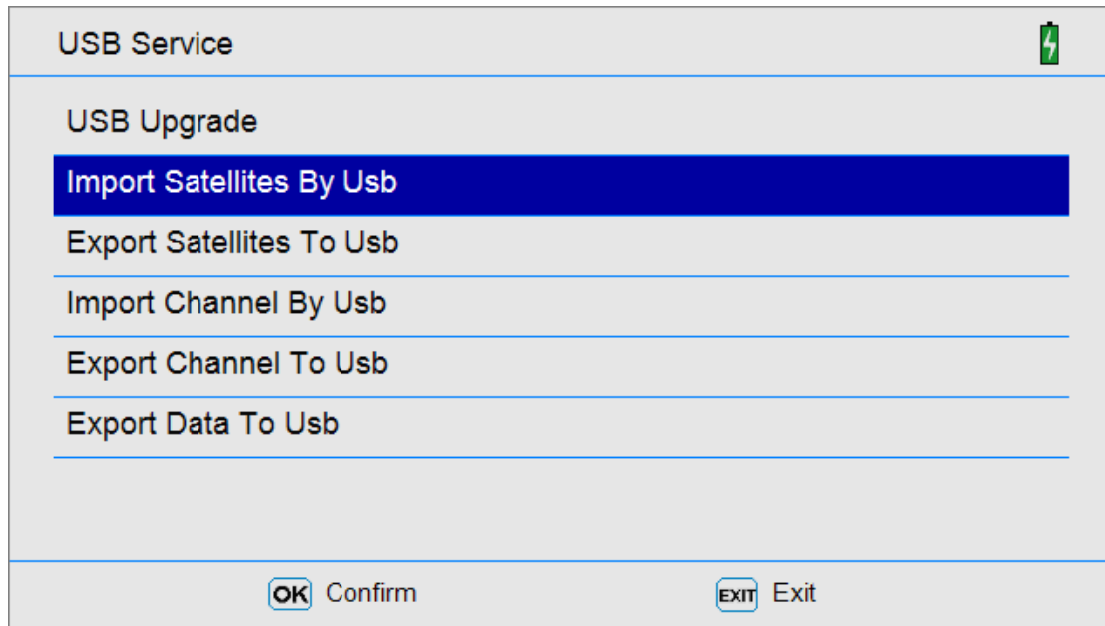


5-1

Press [**▲/▼**] to navigation.

Items	Instructions
Language select	Set the OSD language. Press [◀/▶] to switch between available languages. Default set to English
Screen Setting	Set the LED screen parameters, such as Brightness, Saturation, Contrast and Sharpness
Factory reset	Press [OK] to pump factory reset confirm dialog. Press [OK] again to do reset or [Exit] to cancel
Time Zone	Set the local time zone. Press [◀/▶] to switch options. Default set to GMT
Lock alarm	Press [◀/▶] to set the lock alarm On or Off. Default set to On
Key tone	Press [◀/▶] to set the key tone On or Off. Default set to On
Auto power off	The finder will power off according to your setting. Press [◀/▶] to switch options. Default set to Off
Software Version	Show the software version

2.6 USB Service

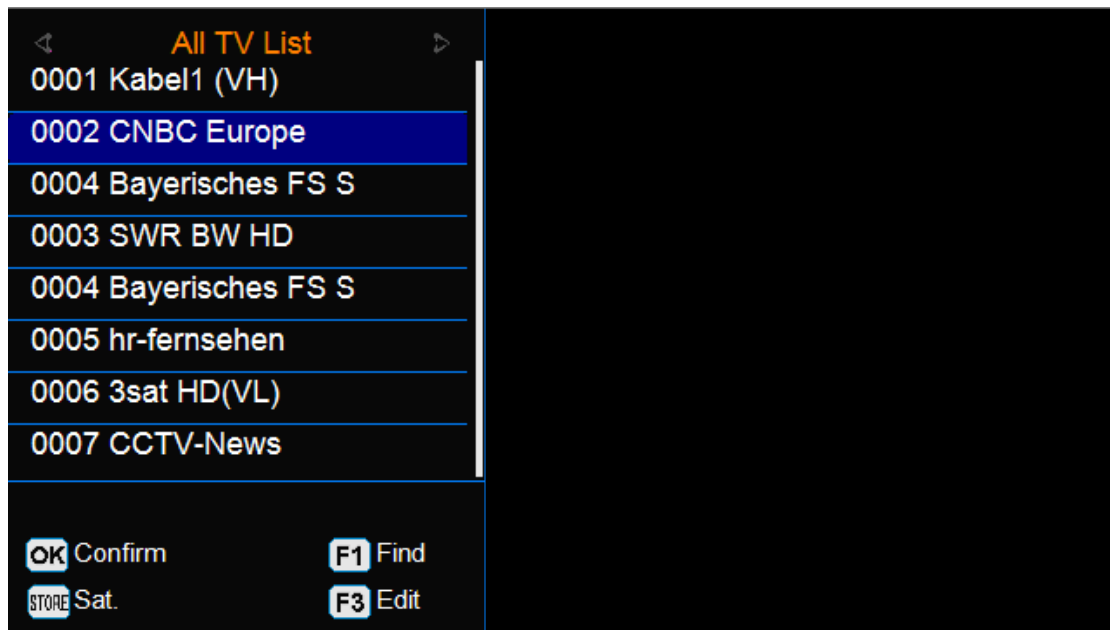


6-1

Press [▲/▼] to navigation.

Items	Instructions
Software Upgrade	Press [OK] , all the available files in plugged USB stick will be listed in a dialog, please choose the correct one to upgrade
Import Satellites By USB	Press [OK] , all the available files in plugged USB stick will be listed in a dialog, please choose the correct one to import
Export Satellites By USB	Press [OK] , all the satellites and transponder parameters in the finder will be export to USB stick
Import Channels By USB	Press [OK], all the available files in plugged USB stick will be listed in a dialog, please choose the correct one to import.
Export Channels By USB	Press [OK] , all the channels in the finder will be export to USB stick

3. Channel List



7-1

Items	Instructions
[▲/▼]	Press these two buttons to navigate between channels
[OK]	Press this button to play your selected channel in video playing menu (whole screen mode)
[F1]	Press this button to find channels by alphabet
[STORE]	Press this button to switch channel list between selected single satellite list and all channel list
[F3]	Press this button to enter to channel edit menu