

SAFETY PRECAUTION

CAUTION:



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to "dangerous voltage" and to prevent from a risk of electric shock.



Warning:
To reduce the risk of electric shock, don't open the cabinet. Refer servicing to qualified personnel only.



The exclamation point within an equilateral triangle is intended to alert the user to important operating and maintenance (servicing).

WARNING: Do not use this STB where contact with or immersion in water is a possibility. Do not use near flower vase, washbowls, kitchen sinks, laundry tubs, swimming pools, etc.

WARNING: Do not put the candle or lamp stand on the cabinet; otherwise, there is the danger of fire.

WARNING: The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit. If you are not sure of the type of power supply (for example, 120 or 230 V) to your home, consult your local dealer or local power company.

WARNING: This product installs diodes. Do not open the cabinet or touch any parts in the inner mechanism. Consult your local dealer for technical service if the opening is required.

Note: To ensure proper use of this product, please read this User manual carefully and retain for further reference.

Note: This product installs diodes. Do not open the cabinet to avoid the unit direct exposure to radiation.

Unit Cleaning: After the unit power is turned off, you can clean the cabinet, panel and remote control With a soft cloth lightly moistened with a mild detergent solution.

Attachments: Never add any attachments and/or equipment without the manufacturer consent; as such additions may result in the risk of fire, electric shock, or other personal injury.

Locating: Slots and openings in the cabinet are provided for ventilation to protect it from overheating. Do not block these openings or allow them to be blocked by placing the STB on a bed, sofa, or other similar surface, nor should it be placed over a radiator or heat register.

Power-Cord Protection: Place the power-supply cord out of the way, where it will not be walked on. Please take special attentions to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Object and Liquid Entry: Never put objects of any kind into this STB through openings, as they may Touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

Note: Moisture may be formed on the lens in the following conditions:

- when the unit is suddenly moved from a cold environment or an air-condition room to a warm place.
- immediately after a heater has been turned on.
- in a steamy or very humid room.

If the moisture forms inside the unit, it may not operate properly. To correct this problem, turn on the power and wait about two hours for the moisture to evaporate.

Parts Replacement: When the unit parts need to be replaced, user should make sure the service technician use the replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized replacement may put the unit In the risk of fire, electric shock or other hazards.

Safety Check: After all the maintenances and repairs are done, user is required to request the service technician to conduct the overall safety check to ensure the machine is In the proper condition.

Feature SPEC

Accessories	Main board (DB-M3601), 48 Keys IR controller, USB HDD BOX(customer option)
Board configuration	396MHz MIPS CPU, 128MB DDRII400 RAM,Memory Clock 198Mhz,64 MB Serial
Power Supply	Flash, Single Tuner, DVB-S2 demodulator,
Power Supply	Input 100V ~ 240V 50/60Hz
Power Consumption	30W Max / 1W Standby (it's optional by customer's board)
RS232	For FW Upgrading.
Standard Receiver Standard	DVB-S2 Standard (ETSI EN 302 307)
Input Frequency Range	950MHz ~ 2150Mhz
Input Signal Level	-25dBm ~ -65dBm
Demodulation	QPSK, 8PSK, 16APSK
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
MPEG Profile Level	MPEG2 SD, MPEG4 HD, H.264/AVC SD, H.264/AVC HD
LNB Power & Polarisation	Vertical +13.5V, Horizontal 18V, Current: MAX 500ma,
Multi Satellite receiving	22K switcher, DiSEqC1.0, DiSEqC1.1, DiSEqC1.2, USAL
Conditional Access system	1 CA card reader Slots
AV Output ports	YPrPb, RCA with CVBS, SCART with CVBS, HDMI1.4, Left/Right analog audio output(RCA), Digital audio output

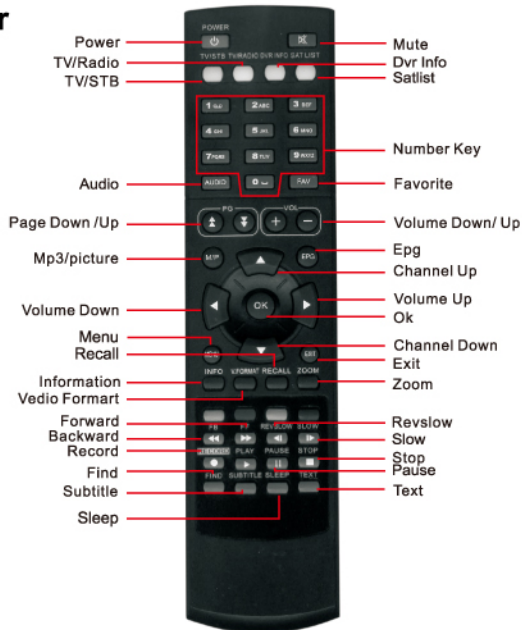
Aspect Ratio	Auto, 16:9 Pillar box, 4:3 Pan & Scan, 4:3 Letter Box.
Audio Decoding	MPEG1 layer I, MPEG1 layer II, MPEG1 layer III, MPEG2, AC3.
Audio Mode	Stereo/MONO/Left/Right
DVR supporting	DVR with USB HDD, Time shifting with USB HDD
USB2.0 High Speed HOST	1 USB2.0 Port, USB media player to playback the media in USB flash disk or USB HDD or USB card reader with memory card or FW Upgrading.
File system	FAT12, FAT16, FAT32, NTFS
Media Supporting	BMP,JPG,DIVX,XVID,MKV,TS,TP,AVI,MP3,MP4,VOB.....
Ethernet Interface	10Mbit
Storage Temperature	0°C to +50°C
Operating temperature	

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1.Remote Controller



2. Basic Operations

2.1 Turn on STB

First, press the [Device's Main Power] to turn on the Unit.

When the STB is first used, there will play the first channel from the default Channel List. If the STB is not first used, STB will play the same channel as last time before turning off.

? Frequently Asked Question

Q: The power of my STB has been turned on and not in Standby mode, but the TV screen showed nothing:

A: Make sure the TV set has been set to the correct video input (not the TV channels). For example, if you have connected the unit with the Video1 input of the TV set, the TV set has to be switched to Video1.

Q: The power of my STB has been turn on and not in Standby mode, but the TV screen showed nothing except "No Signal !".

A: That means the channel, which you select, is no signal. It could be several causes:

1 The channel which you select is not in your allocate satellite. The simply solution is to change Channel.

2 The signal of current TV channel is too weak. You can try to change channel to other strong signal channels. If the problems still exist, please consult your local dealer or other professionals for technical service.

3 You use the Dual LNB, and you need Modify LNB Type

2.2 Power

1 Press [Power] Key can enter the Standby state

2 In Standby state, press [Power] Key again can call back the unit and go on play the previous channel

3 User can also disconnect the device's main power to end the Standby state.

2.3 Channel Up/Channel Down

In full screen, press [CH+/CH-] to change channel.

2.4 Volume Up/Volume Down-

In full screen, press [VOL+/VOL-] to adjust volume.

2.5 Number

In full screen, use number key and press [OK] on the Remote Control Unit to change channel.

2.6 Mute

1 Press [MUTE] key to mute the sound and the screen will show up mute OSD.

2 Press [MUTE] key again to restore sound.

2.7 Pause

1 In playing mode, press [Pause] key, the picture will be paused, but the sound of the channel will still continues.

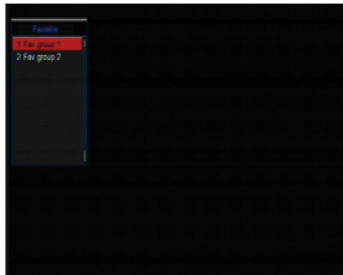
2 Press [PAUSE] key again, the screen's picture will skip over to the current playing picture, and the sound of the channel will corresponding playing.

2.8 Recall

Press [RETURN] key will directly switch to the previous channel that you played before current channel.

2.9 Favorite

1 In full screen, press [FAV] key, it will display a window of "Favorite Group" on the left of the screen, which you can watch like below.



2 In the window of "Favorite", you can move highlight by press [Channel Up/Channel Down] key and press [OK] key to select favorite group.

3 In the window of "Fav group X", you can move highlight by press [Channel Up/Channel Down] key and press [OK] key to select favorite channels. Pressing [Page Up/Page Down] keys can implement the "Page up/Page down" function



- 4 You also can press [Volume Up/Volume Down] keys to select different "Favorite Group".
- 5 Press [Exit] key to exit the current window.

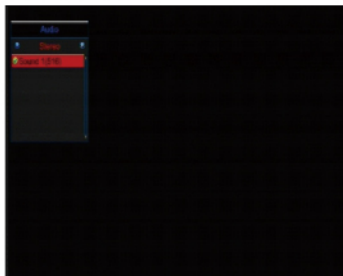
? Frequently Asked Question

Q: Why the screen displays "No Favorite Channel", after pressing [Favorite] key?

A: It is because that you haven't set any channels as "favorite channel". Please refer to Favorite

2.10 Audio

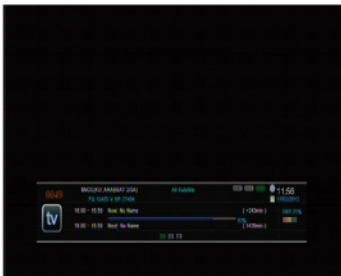
1 In full screen, press [AUDIO] key can open the "Audio" window on the screen.



- 2 You can modify the audio track by press [Channel Up / Channel Down] key and modify the audio mode by press [Volume Up / Volume Down] key.
- 3 Mode: Left/Right/Stereo/Mono

2.11 Information

In full screen, press [INFO] key can open information screen, in the window shows the parameters of current channel.

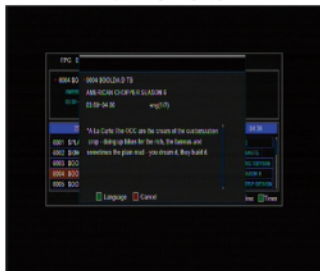


2.12 EPG

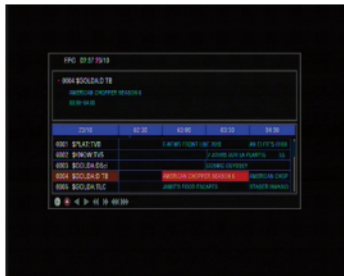
1 The STB has an Electronic Program Guide (EPG) to help you navigate channels through all the possible viewing options. The EPG supplies information such as channel listings and starting and ending times for all available channels. Press [EPG] key to display EPG screen.



2. Press [OK] key in each item, you can read more Detail information and press [Red] key to cancel.



3. Press [Red] key in EPG menu can display "Time Bar" Menu, In "Time Bar" Menu, you can press [Left/Right] to View more items.



2.13 TV/Radio

In TV mode, Press [TV/Radio] key can switch to Radio mode. In radio mode, press [TV/Radio] key to Switch to TV mode.

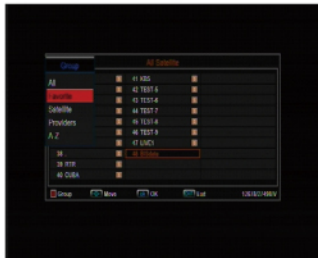
2.14 Channel List

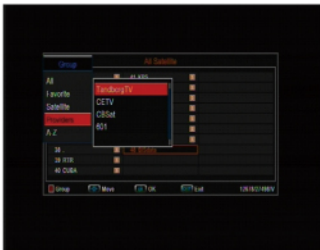
1. In Full screen, press [OK] key can enter "Channel List".

2. Press [Left/Right] Key to switch the channel.



3. Press [Red] key to change group type, such as Favorite group Satellite, provider, A-Z.





2.15 Sleep

1. This function can set sleep timer. When you set a Sleep Timer and the time arrive. The system will enter To standby automatically
2. Press [SLEEP] key, it will switch the mode between Sleep Timer Off /10/30/60/90/120 Minutes.

2.16 Page Up/Page Down

1. In Channel list, press [Page+]/[Page-] key can page up and page down the channel list.
2. In full screen, press [Page+]/[Page-] key can switch satellite directly.

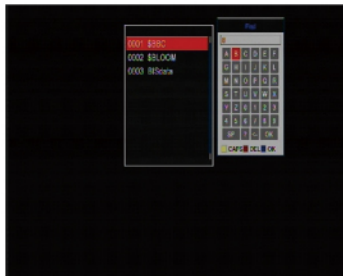
2.17 TEXT

- 1 Press [TEXT] key in full screen, you can open teletext page on the channel which has teletext information.
- 2 If the channel has no teletext information, it will show "No Teletext Data" on the screen.

2.18 Subtitle

- 1 Press [SUBTITLE] key in full screen, you can switch subtitle on or off.

2.19 Find



1. Press [FIND] key in full screen will open the "Find" window like above. Press Left/Right/up/Down] key to move highlight and press [OK] key to input the selected symbol or letter into the dialogue. The search result display on the right screen. You can press [Red] key to delete the char. Press [Blue] key to confirm. Press [Green] key to cancel.
2. Press [Exit] key to close "Find" window.

2.20 Zoom

1. The [ZOOM] key allows you to magnify a certain
2. Press [ZOOM] key again, the image will enlarge. rotate as x1, x2, x4, x6, x8, x12, x16.
3. In "x2 ~ x16" image, using [Up/ Down/ Up/ Down] keys to move the image center area you want to see
4. In zoom mode, press [Exit] to close "Zoom" window.

2.21 TV/STB

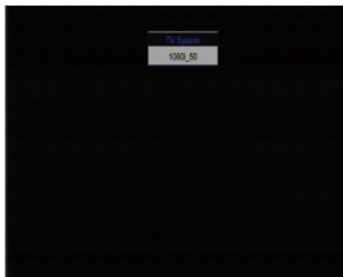
- 1 Press [TV/STB] key can switch between TV mode and STB mode

2.22 Menu

- 1 Press [MENU] key can open the menu, exit the current menu to last menu or close the window.

2.23 Video Format

- 1 Press [V.Format] key under Full Screen playback for 1st, it will show the current system outputting video resolution, continuously press this key, system will switch its outputting video resolution by sequence 576i -> 480i -> 576P -> 480P -> 720P_50 -> 720P_60 -> 1080i_50 -> 1080i_60 -> 1080p_50 -> 1080p_60.



2.24 Exit

- 1 Press [EXIT] key can exit the current menu to last menu or close the window.

3. Channel

When you press [Menu] key to enter menu, there will display the picture like below:



- 1 Press [Up/Down] key to select menu pages among Edit Channel.
- 2 Press [OK] or [Right] key to enter the "Channel Edit". If Menu Lock is "On", it will display an dialogue for user to key in password. The default Password is "0000".
- 3 Press [Up/ Down] key to select menu items among TV Channel, Radio Channel and Delete All.
- 4 Press [Left] key or [Exit] key to go back to main Menu.

3.1 TV Channel List

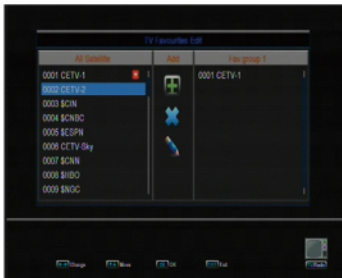
When you enter to "Channel List" menu, there will display the screen like below.



1. You can move highlight by press [Channel Up/Channel Down] key and press [OK] key to Operation the channel list database.
2. You can press [Red] key to switch to different group. Such as favorite group, provider group.
- 3 You can use [Green] key to focus kinds of channels as you want.

4. Press [TV/Radio] key can switch between the TV channel list and Radio Channel list .

3.1.1. Favorite Edit



- 1 . Enter the "Favorites Edit" item, pressing [OK] key can open the "Favorite" window like above
2. You can press [Red] to change the group, press [Green] key select the channel as you want, press [Fav] key to change the favourite group .
- 3 .Press [Left/Right] key to focus on the add, delete icon to edit the current favorite group. Focus on the edit , it can rename the favourite group name.

4.Press [TV/Raido] Key to switch between the "TV channel list" and "Radio channel list".

3.1.2. Lock.



1. Press [OK] key to select one or more channels.
2. Press [Left/Right] key to focus on the "Lock" icon. and press [OK] key, it will lock the the selected channels.

3.1.3. Skip



1. Press [OK] key to select one or more channels.
2. Press [Left/Right] key to focus on the "SKIP" icon. and press [OK] key, it will lock the the selected channels.

3.1.4. Move



1. Press [OK] key to select one or more channels.
2. Press [Left/Right] key to focus on the "Move" icon. and press [OK] key, Now you can move the channel to the position as you want .

3.1.5. Edit

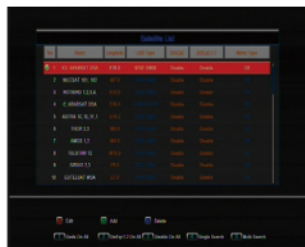


- 1 Press [OK] key to select one channel.
2. Press [Left/Right] key to focus on the "Edit" icon, then the rename dialog pop up, input the name as You want, and press the [Yellow] Key to close the window.

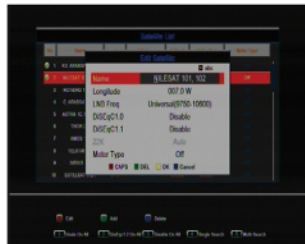


4. Installation

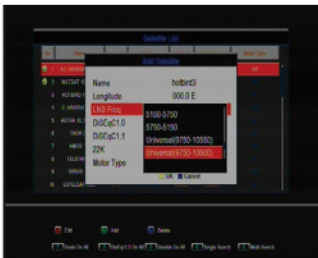
4.1 Satellite List



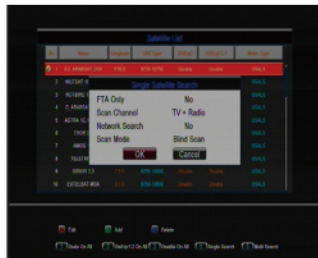
1. Press [OK] key to select the satellite.
2. Press [Red] key, you can enter edit satellite menu. You can edit Satellite name and satellite Longitude.



3. Press [Green] key, you can enter add satellite menu.



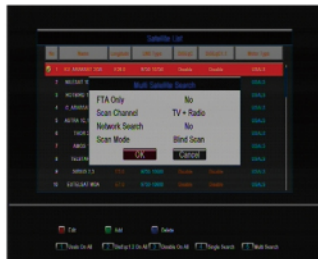
5. Press [4] key to search the current satellite.



4. Press [1] key to set all satellites as USALS mode.



6. Press [5] key to search the selected satellites.

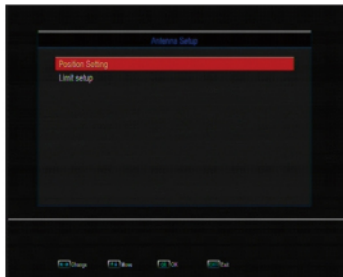


4.2 Motor Antenna

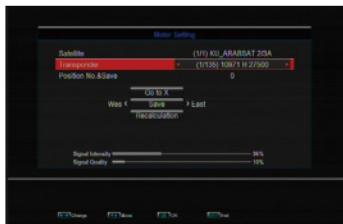
1. Enter the "Antenna Setup" Menu, Select the motor type,(USALS or DiseqC1.2).



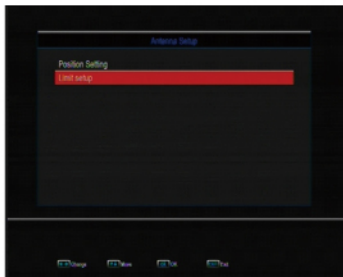
2. Enter the "Motor Setting" item, and enter the "Postion Setting".



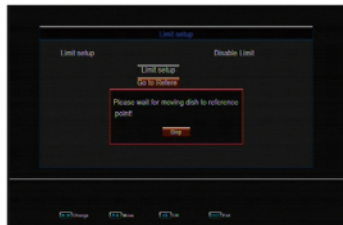
3. Set the position number , Move to the "save" button, Press [Left/Right] to adjust The position , Press [OK] Key to save the position.



4. Enter the Litmit setup, to disable or enable motor limit.

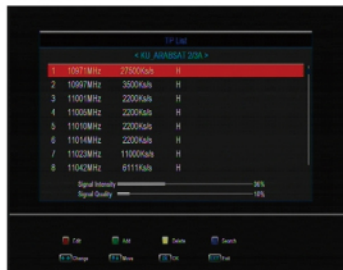


5. To reset the motor, use the Goto Refere.

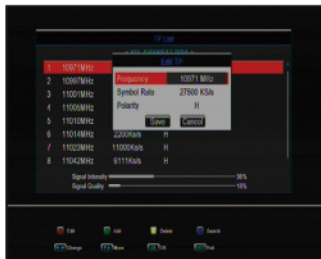


4.3 TP List

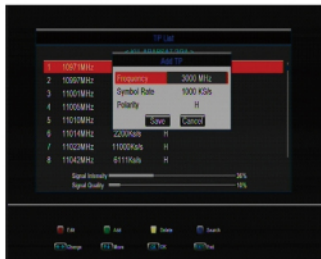
1. Enter the "TP List" item.



2. Press [Red] key to edit the focus tp parameter.



3. Press [Green] key to add the tp parameter.



4. Press [Yellow] key to delete the focus tp.

5. Press [Blue] key to search current tp.



6. Press [OK] to start search programs.





5.Tools

5.1 Timer Setting.

1.Select "Timer Setting" item and press [OK] key to Set The Timer.



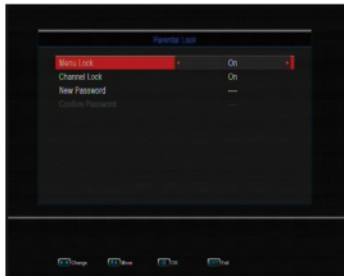
2. You can switch the Time Mode by two type : Once and Daily. Once: active the event by Date , time. Daily: active the event only by time.

3. The Timer Service means the event type.Channel: When time on, play the channel. Record: When time on, record the channel.



5.2 Parental Lock

1.To Change the password, Enter the "Paratal Lock" menu.

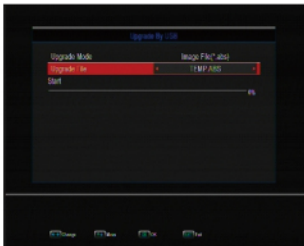


2.Enter the New Password, and confirm again.If Menu Lock is on, some menu need the password to open. If channel Lock on , password is need when play a lock program.



6.Upgrade the software

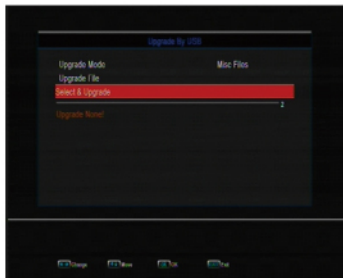
1. Copy the software or data to the usb stick root .
2. Insert the usb stick, the system will display "usb Device connected", enter to the "Upgrade by USB" Menu. There are 2 upgrade mode: image, Misc Files. Image : erase all the old data in flash, and write a new version software into the flash Misc File: Only upgrade the data you want , such as Logo, programs.



3.If select the Image mode , select the software file in usb Press start the upgrade the software,and select "Yes" Upgrade will start, During upgrading , Do not Power off The machine.



4.If select the "Misc Files" Mode, the following dialog will pop up, and press [OK] key to select the files as you want.Press start to upgrade the data, if upgrade the program database, after upgrade over, please power off and power on the machine , the program will be valid. otherwise, it's invalid..

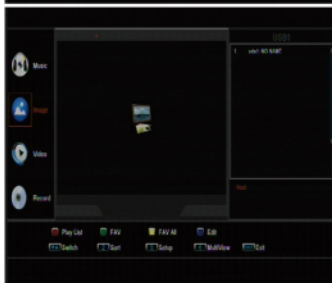
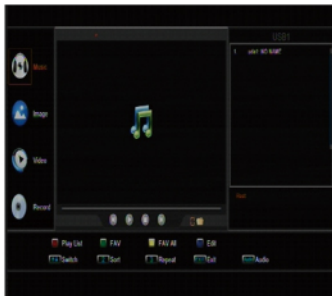




7.Multimedia

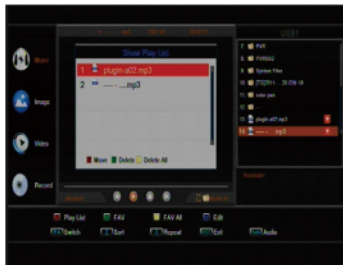
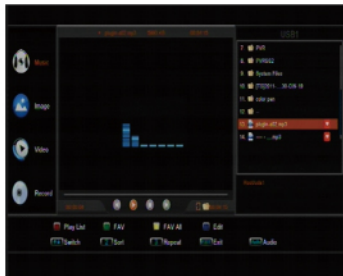
1.The MediaPlayer has 4 functons : Music , Image , Video , Record. Muisc Format : mp3, wav, ogg. Image Format: JPEG, BMP, GIF Video Format: mpeg1,mpeg2,mpeg4, h.264 , avi, mkv, dts Record Format: Mpeg1,mpeg2,mpeg4, h.264.

2 .press [UP/DOWN] key to switch every functions.



3. Press [Left/Right] key to explore the storage files, press the color key to edit the favorite list, press the "repeat" the key to set

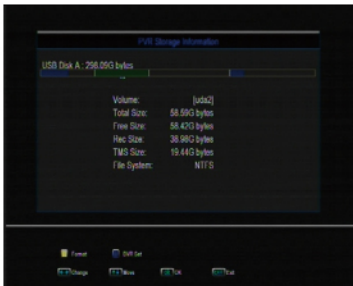
The repeat playing mode.



8.PVR Function.

8.1 PVR Partion Setting.

1.Enter the "PVR Storage Information" Menu , press [Left/Right] key to switch the partion, press [Blue] key to set it.can watch like below.



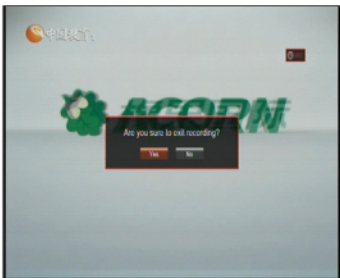
8.2 Recording .

1. When play the program , press [Record] key to record the current program, press [Record] again to set the recording During Time, the default is 2 hours.





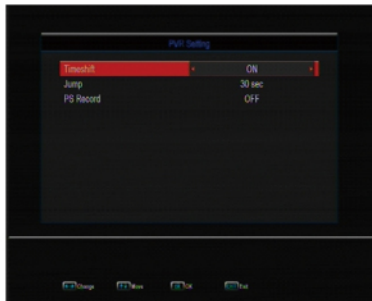
2. If you want to stop Recording, Press [Stop] key and select yes to stop recording ,



8.3 Play recording File.

1. Enter the Media player , press [UP/DOWN] key to switch to Record function, press [Left/Right] key to play the recording Files, For window play mode , press [PLAY] key ; for full screen mode , press [OK] key. If in full screen mode , Press [DVR INFO] key to swich the recording files.





8.4 Timeshift

1. Enter the "PVR Setting" menu, Set the Timeshift "ON", and exit. When play the program, the timeshift function is working, press [DVR INFO] key to display the DVR Bar, press [Pause] key to pause the program, press [Left/Right] key to slide the progress cursor, it can seek to the position as you want.

