

AGPTEK

HD DIGITAL DVB-T2 RECEIVER

Model:V88



User Manual

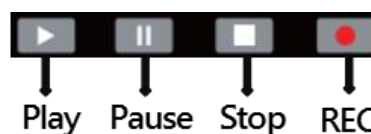
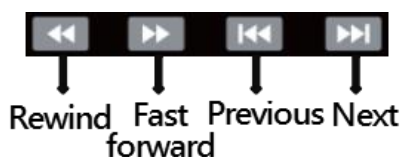
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1. Remote Control

Photograph	Key	Function
	POWER	Standby /On
	SUB-T	Subtitle display option
	TTX	Switch on teletext (press EXIT to switch off)
	MUTE	Switch on/off volume
	EPG	Shows the Electronic Program Guide
	GOTO	Go to desired time in multimedia file
	PAGE+/PAGE-	To navigate inside the menu
	REPEAT	Repeat multimedia file playback
	LANG	Audio language; Left/Right channel option
	MENU	Display/Exit main menu on TV screen
	EXIT	Quit current menu
	VOL-/ VOL+	Decrease/increase volume; Hold down to move the cursor
	CH-/CH+	Go to previous/next channel
	OK	Confirm the current settings in a menu; Call up a program list while watching TV
	FAV	Display favorite channel lists; Press again to display other favorite lists
	TV/RADIO	Switch between TV program and Radio program
	<0>-<9>	Numeric buttons, for input of numbers or for selecting a TV channel
	RECALL	Go back to the previous viewed channel
	INFO	Display information about the current channel
	RED/GREEN/YELLOE/BLUE	Navigate between pages in teletext mode; Specific function keys in Menu or EPG
	V-FORMAT	Switch the HDMI between 720P and 1080i
	ASPECT	Switch aspect ratio between 4:3 and 16:9
	TIMESHIFT	Access to ON/OFF timer directly
	PVR	Access to recorded content in USB drive

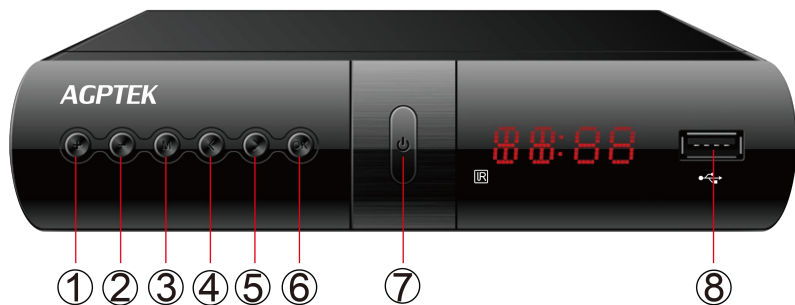
Multimedia Keys:



2. Front and Rear Panel

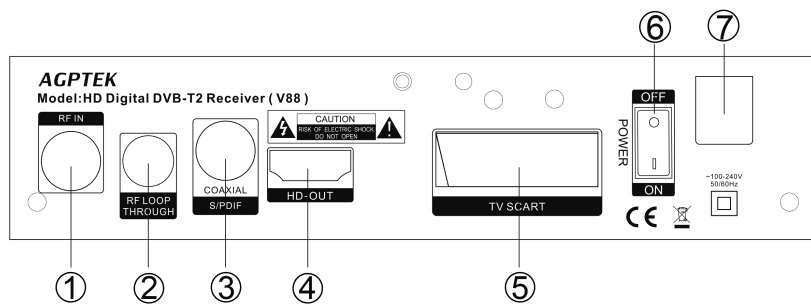
2.1 Front Panel

- ① VOL+
- ② VOL-
- ③ MENU
- ④ CH-
- ⑤ CH+
- ⑥ OK
- ⑦ STANDBY ON/OFF
- ⑧ USB 2.0 PORT

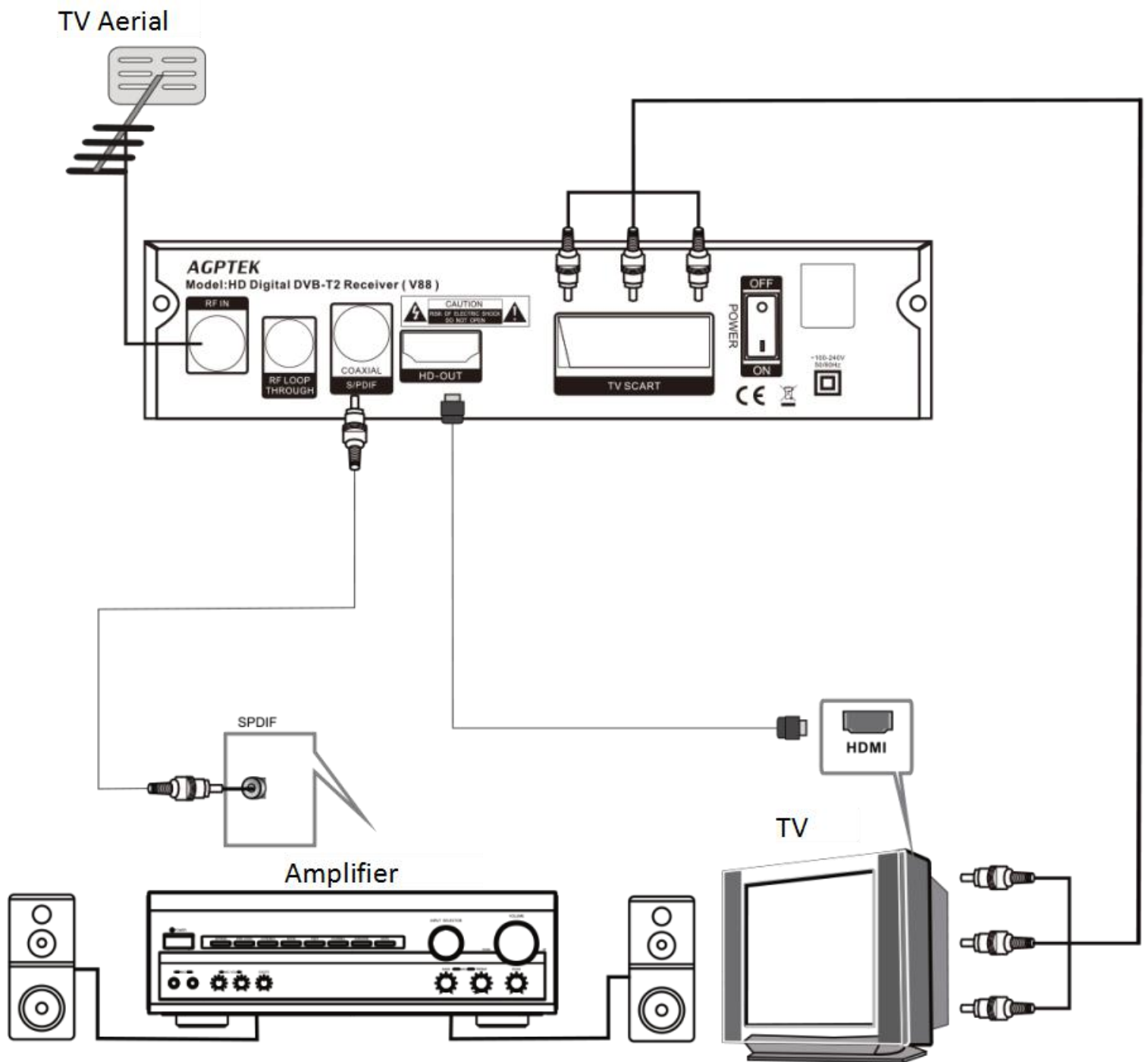


2.2 Rear Panel

- ① RF IN
- ② RF LOOP THROUGH
- ③ S/PDIF (COAXIAL)
- ④ HD-OUT
- ⑤ TV SCART
- ⑥ POWER ON/OFF
- ⑦ POWER INPUT(AC 100-240V)



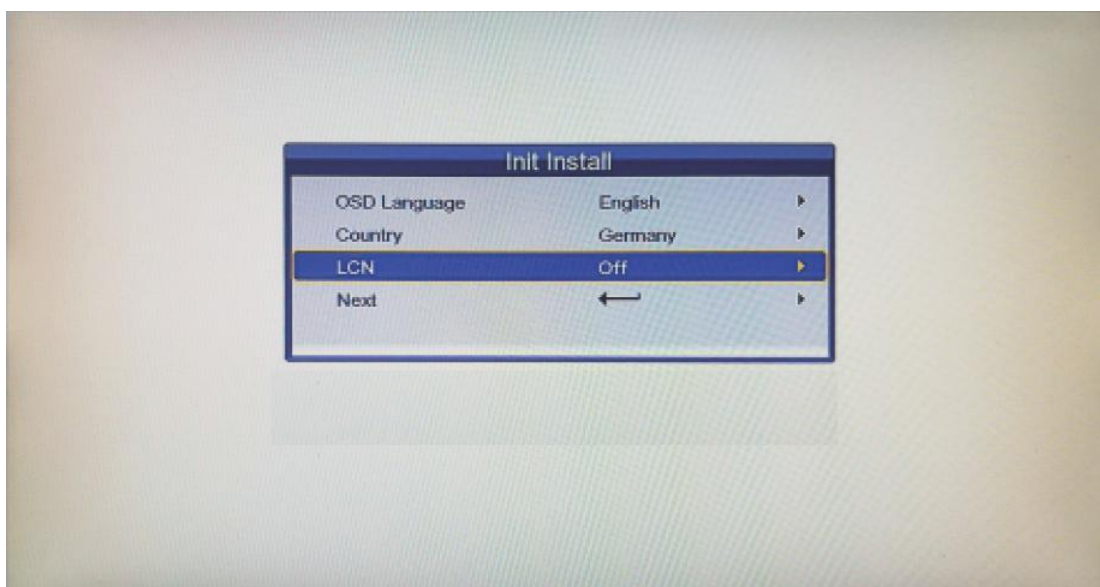
3. Installation



4. DTV Mode

4.1 Initialization

Initialization is needed for the first-time entry into the system by setting language, country time zone, active antenna and channel number, etc. After finishing setting, choose [Start Search] and press [ENTER] to scan channels, and all available channels will be reserved automatically. Menu display as follows:



Pic 4.1 Initialization

4.2 Channel & Left and Right Channel Switching

4.2.1. Under full-screen state, press [AUDIO] to match the language of the current program and show left& right Channel list:



Pic 4.2 Channel and left & right Channel list

4.2.2. Press [LEFT/RIGHT] to choose left & right channel or stereo;
press[UP/DOWN] to choose language;

4.2.3. Press [ENTER] to Exit setup.

4.3 EPG (Electric Program Guide)

4.3.1 Press [EPG] to check Program information:



Pic 4.3.1 EPG Menu

Default EPG menu shows NOW/NEXT Mode, including 7 parts:

- 1) Mark 1 shows current EPG state;
- 2) Mark 2 shows current time and program information;
- 3) Mark 3 shows detailed date;
- 4) Mark 4 shows program, press [UP/DOWN] to switch program, or press [PAGE-/+] to switch pages;
- 5) Mark 5 shows Now Event, press [UP/DOWN] to check program, or press [LEFT/RIGHT] to change to NOW or NEXT;
- 6) Mark 6 shows NEXT Event;
- 7) Mark 7 shows key function

Red Key: Switch EPG Mode

Green Key: Recording TV program of Mark 5 (Now Event) or make a record reservation of Mark 6 (Next Event)

4.3.2 Press **Red Key** to entry Daily Mode:



Pic 4.3.2 Daily Mode

- 1) Press **Yellow Key** or **Blue Key** can change from Monday to Sunday.
- 2) Select playing TV shows, press **Green Key** to record

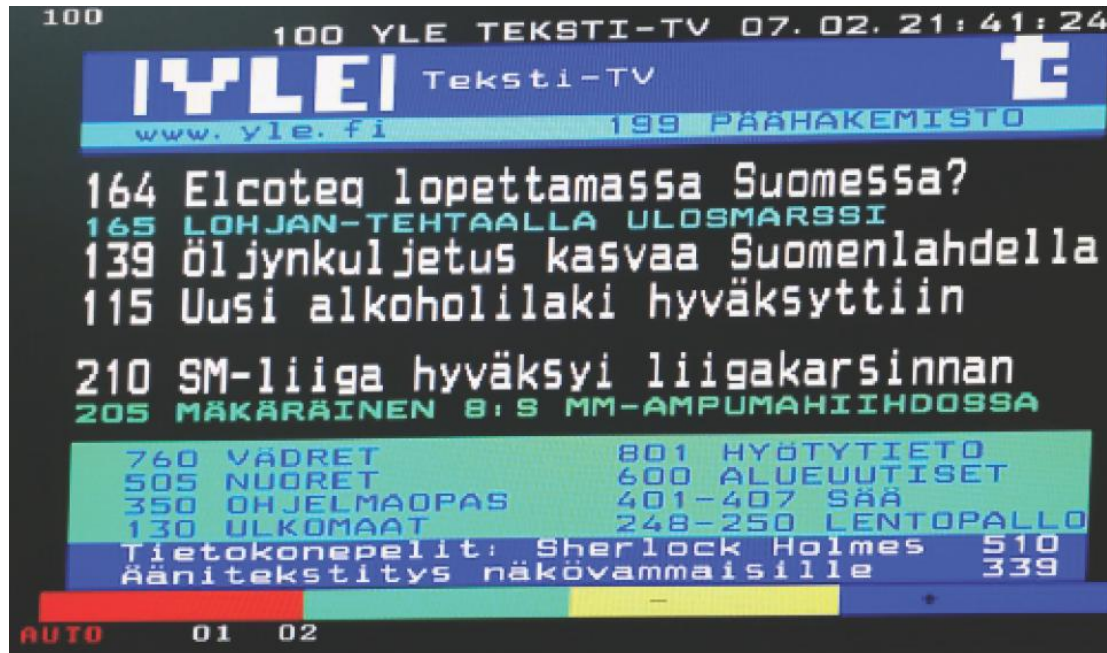
4.3.3 Press **Red Key** to entry Weekly Mode:



Pic 4.3.3 Weekly Mode

- 1) Press [LEFT/RIGHT] to switch windows.
- 2) Press **Yellow Key** or **Blue Key** to switch TV programs of yesterday or tomorrow.

4.4 Teletext



Press [TTX] to entry program menu

- 4.4.1 Input page number(100 - 899) in Teletext to turn over;
- 4.4.2 Press [UP/DOWN] and [PAGE+/-] to switch pages;
- 4.4.3 Long press [UP/DOWN] for fast switch pages;
- 4.4.4 Press [ENTER] to change the transparency of TTX;
- 4.4.5 Press [LEFT/RIGHT] to switch to Subpage of current page, if choose[AUTO],it will switch to Subpages automatically;
- 4.4.6 Four color key is used as Guidance, its specific functions are decided by code stream;
- 4.4.7 Press [TTX] or [exit] to exit

5. Main menu

Main menu includes Installation, Channel, Preference, Setting, AV, Multimedia

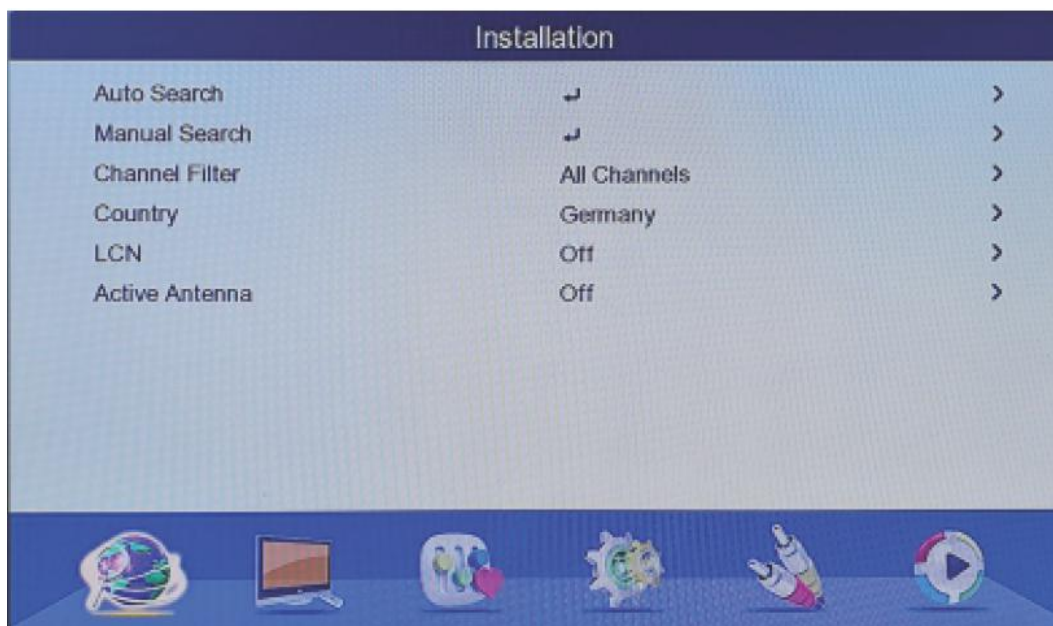


Pic 5

5.1 Installation

[Installation] includes Auto Search, Manual Search, Channel Filter, Country, .LCN, Active Antenna.

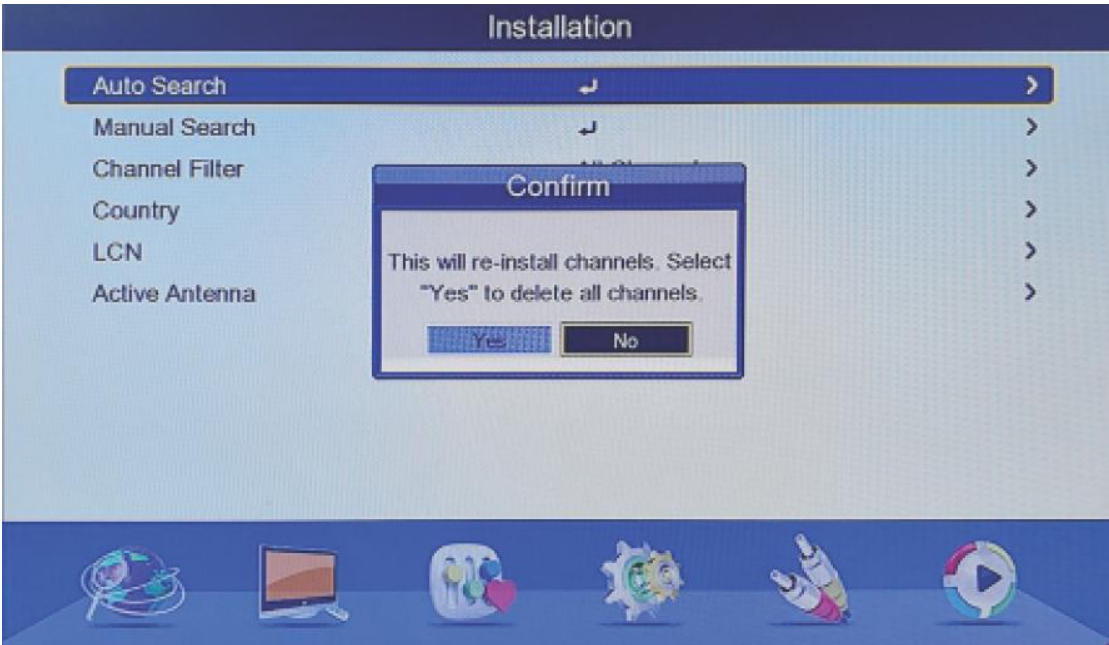
Notice: This menu cannot be chose in Multi-media Mode.



Pic 5.1 Installation

5.1.1 Auto Search

Press [UP/DOWN] to choose [Auto Search] and then press [ENTER] or [right], it will show a message to ask you: whether delete previous TV programs. Choose [YES] to enter [Auto search]:



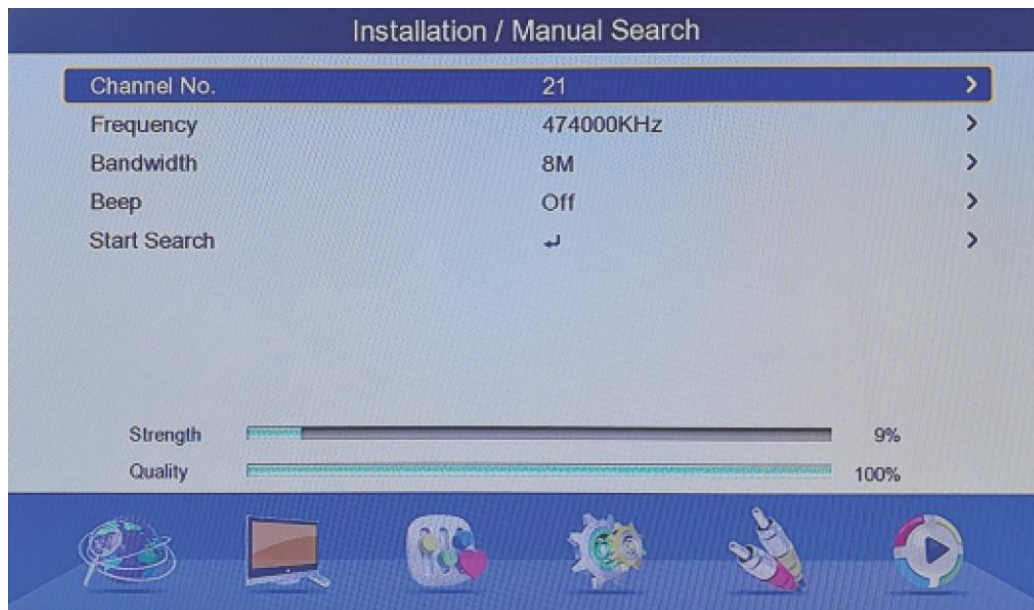
Pic 5.1.1 Confirm Auto Search



Pic 5.1.1.1 Auto Search

System will scan programs and reserve them automatically:

5.1.2 Manual Search



Pic 5.1.2 Manual Search

5.1.2.1 Press [UP/DOWN] to choose [Manual Search] and then press [ENTER] or [RIGHT]:

5.1.2.2 Deploy the parameters before manual scan, including following three parameters:

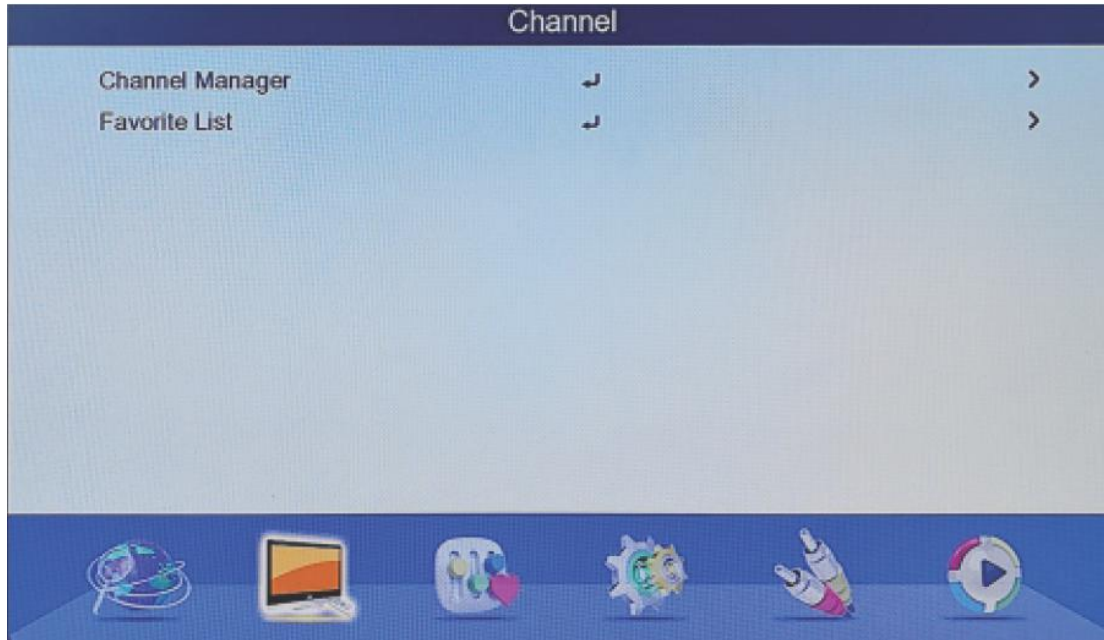
- 1) Channel NO.: scanning station ID, every country has some default station ID, you can modify it by using number key (0 - 9), if the station ID was set up, other two parameters are no need to set;
- 2) Frequency (KHz): scanning frequency, the default frequency is 177500KHz, you can modify it by using number key (0 - 9);
- 3) Bandwidth: Press [UP/DOWN] to choose [Bandwidth]. Press[ENTER] for setting the current scanning frequency bandwidth, 6MHz,7MHz,8MHz are available, the default bandwidth is 7MHz.

5.1.2.3 After setting up the scanning parameters, press [UP/DPWN] to choose [Manual Search] and then press [enter].

5.1.2.4 After finishing the searching, the system will exit the interface of searching program automatically, reserve the TV program information and then return to [Installation] menu.

5.2 Channel

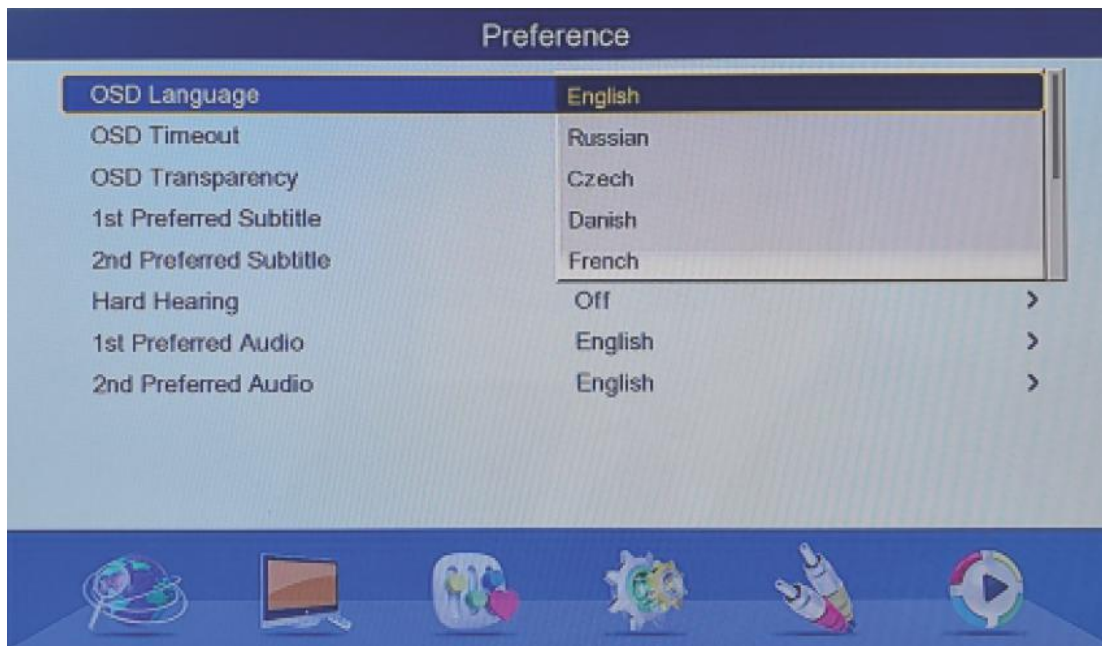
[Channel] has two options, including [Channel Manager] and [Favorite List]. In the [Main Menu], press [UP/DOWN] to choose [Channel] and press [ENTER] or [RIGHT]. As picture 5.2 shows:



Pic 5.2 Channel

5.3 Preference

[Installation] includes OSD Language, OSD Timeout, 1st Preferred Subtitle, 2nd Preferred Subtitle, Hard Hearing, 1st Preferred Audio, 2nd Preferred Audio.

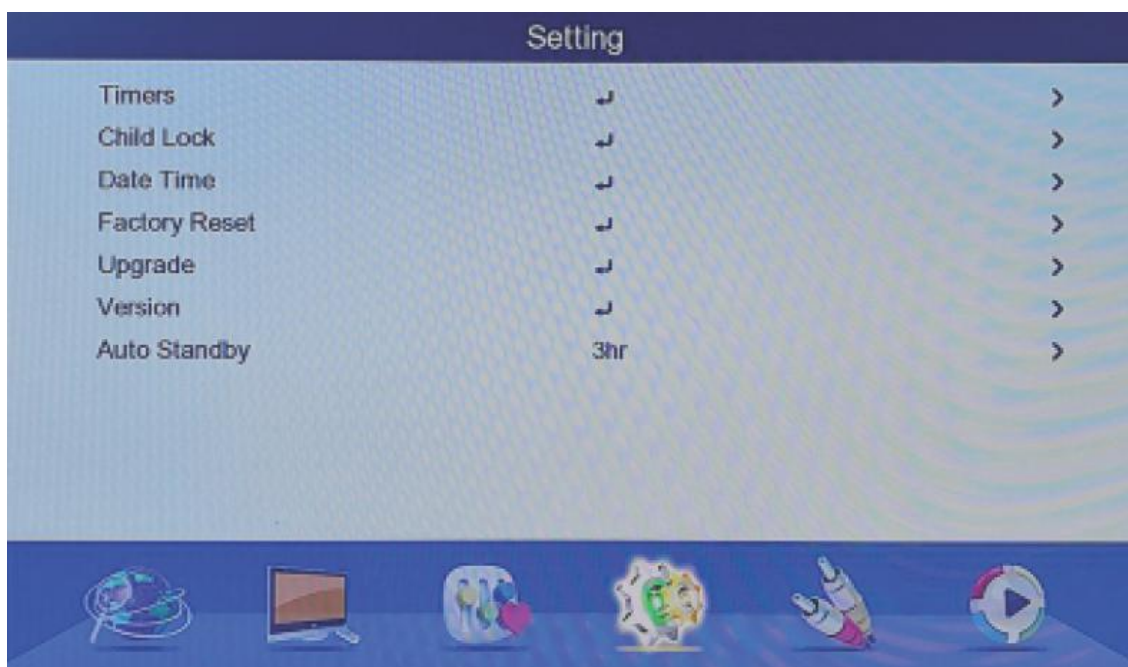


Pic 5.3 OSD Language Setting

[OSD Language] is mainly used to change the language of menu and tips. Press [UP/DOWN] to choose language and then press [ENTER] to confirm.

5.4 Setting

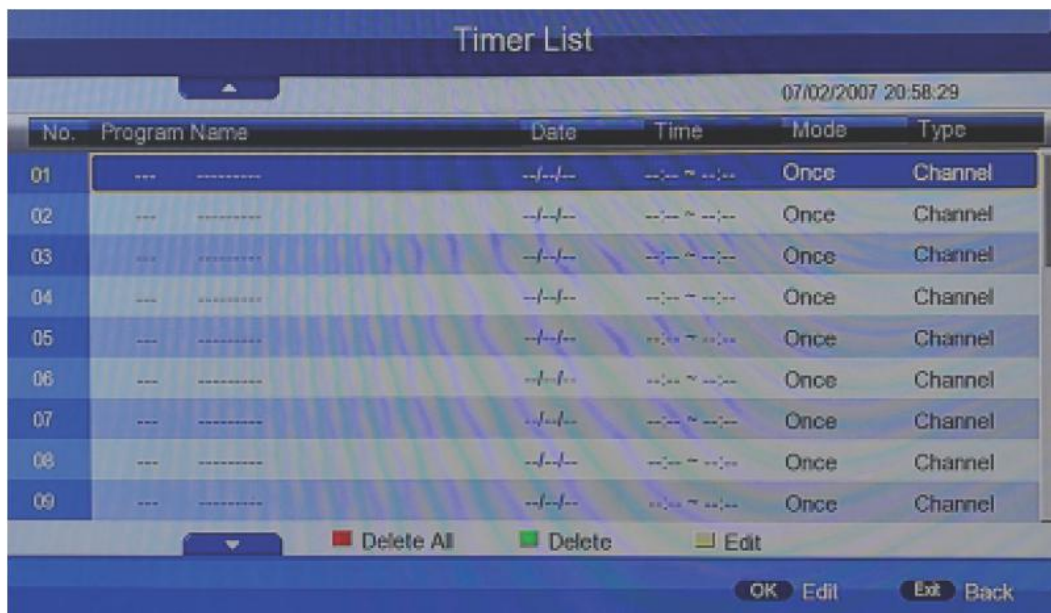
[Setting] is used to set up or upgrade system, including Timers, Child Lock, Date Time, Factory Reset, Upgrade, Version, Auto Standby.



Pic 5.4 Setting

5.4.1 Timers

Timers is used to manage and edit the reserved program. In timers menu, you can edit program name, starting time and type of reserved program. From left to right are: number, program name, date, time, mode, reserved type.



Pic 5.4.1 Timer List

Press [OK] to enter timer edit interface:



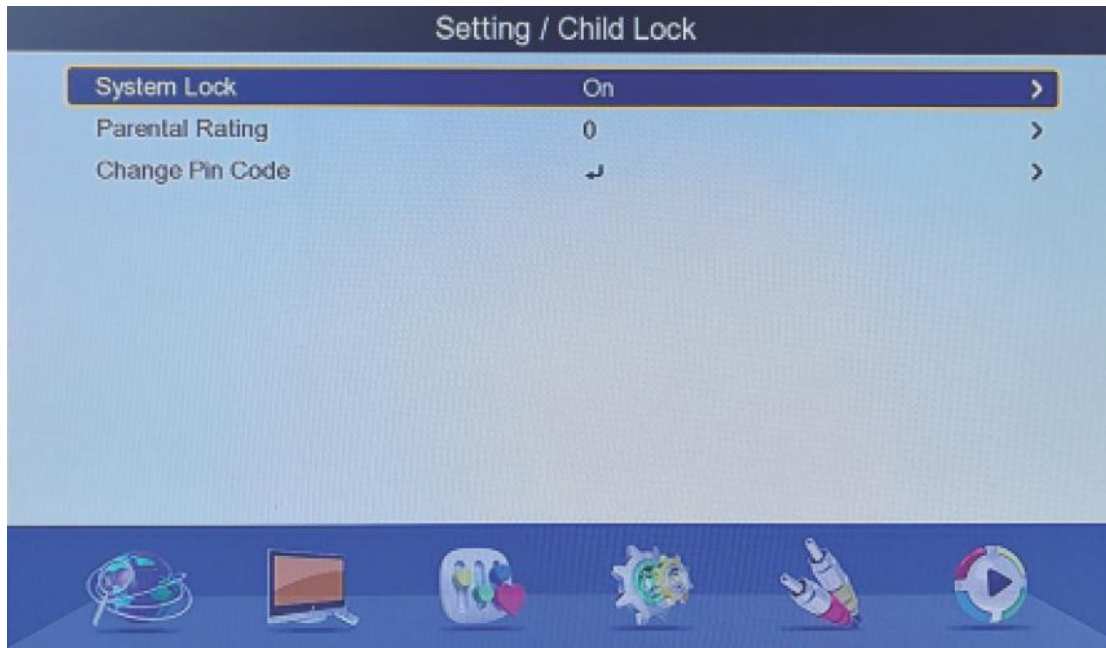
Pic 5.4.1.1 Timer Edit

- 1) [Date] is used to set up appoint date, if you want to change date, after choosing [DATE], press [RIGHT] to edit;
- 2) [Program Name] is the name of appointed program, if you want to change name, after choosing [Program Name], press [RIGHT] to edit;
- 3) [Start Time] is used to set up the appointed time, if you want to change time, after choosing [Start Time],press[RIGHT] to edit;
- 4) [End Time] is the program recording ending time which cannot be set up by users. When [Type] is VCR or Recorder Mode(refer to 7[Type]), it will change automatically according to Start time and Duration(refer to 5[Duration]) which are set by user; When [Type] is other option, [End Time] will be consistent with [Start Time];
- 5) [Duration] is recording lasting time of the reserved program which only can be set up when [Type] is VCR or Recorder Mode. After choosing [Duration], press [RIGHT] to enter the editing;
- 6) [Mode] is for setting up the appointed mode, including Once, Daily, Weekly and monthly. In Once mode, reservation was only set up once, it will be deleted after response; In daily mode, it will be existed in appointed time every day; In Weekly mode, it will be existed in appointed time every week; In Monthly mode, it will be existed in appointed time every month;
- 7) [Type] is for setting up the program reserved type, including five types: Recorder, VCR, On, Channel and Standby. ❶Recorder is for burning the appointed program, you can select whether burn AD,TTX and Subtitle or not; ❷ VCR is also burning program, but is for burn program, not AD,TTX or Subtitle; ❸ when[Type]is On, if the set top box in standby mode, it will wake-up set top box automatically and play the reserved program; ❹ when [Type] is Channel, it will go to the reserved program automatically in the setting time; ❺ when [Type] is standby, set top box will go to standby mode in the setting time.

- 8) [AD Record], [Subtitle Record], [Teletext Record] can be set up only when the [Type] is Recorder, for selecting whether burn AD,TTX and Subtitle or not.

5.4.2 Child Lock

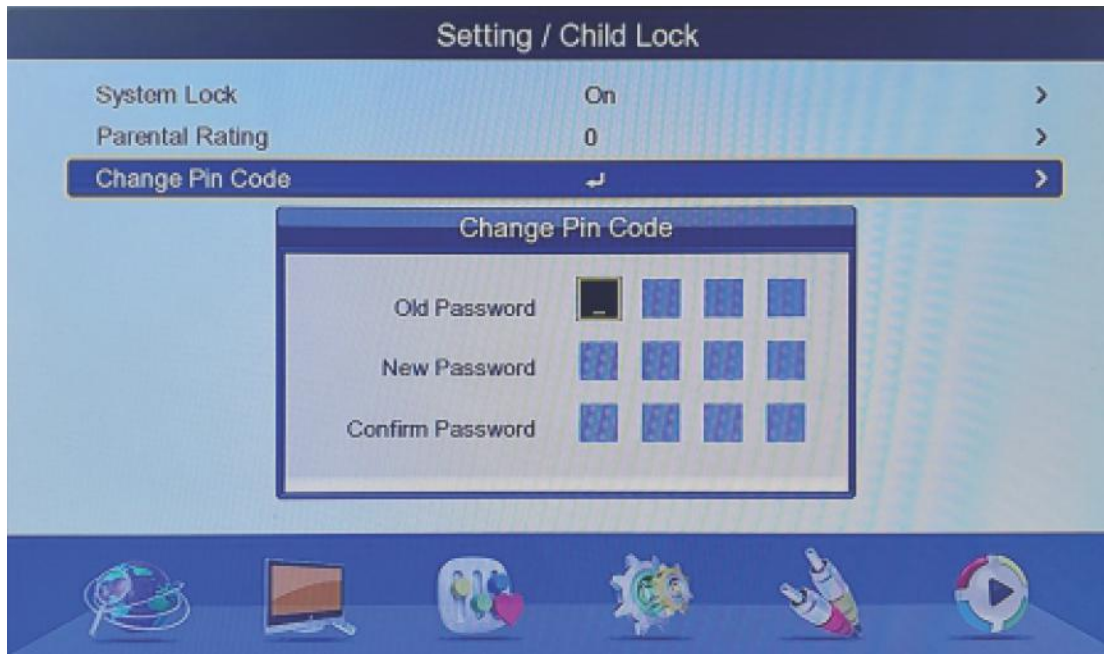
[Child Lock] is for setting up Child Lock and limit program to avoid that children contact with some unsuitable information. Choose [Child Lock] and then press [ENTER], password input box will be popped up, and then input the correct password (The default password is 0000) to enter the menu, as picture 5.4.2 shows:



Pic 5.4.2 Child Lock

[Child Lock] include the following three options:

- 1) [System Lock]: whether to enable child lock or not;
- 2) [Parental Rating]: for setting up age rating limitations, if it is 0, it suggests no limitation;
- 3) [Change Pin Code]: for changing password, after choosing [Change Pin Code], press [ENTER], it will pop up the message box of [Change Pin Code]. As picture 5.4.2.1 shows:

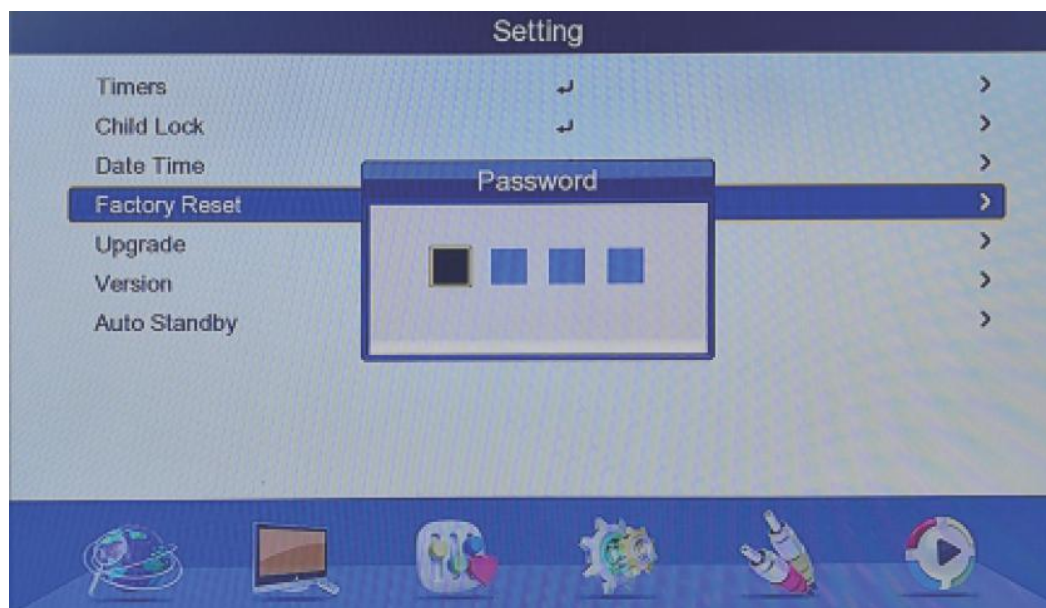


Pic 5.4.2.1 Change Pin Code

Enter the old correct password, and then enter the new password twice to confirm.

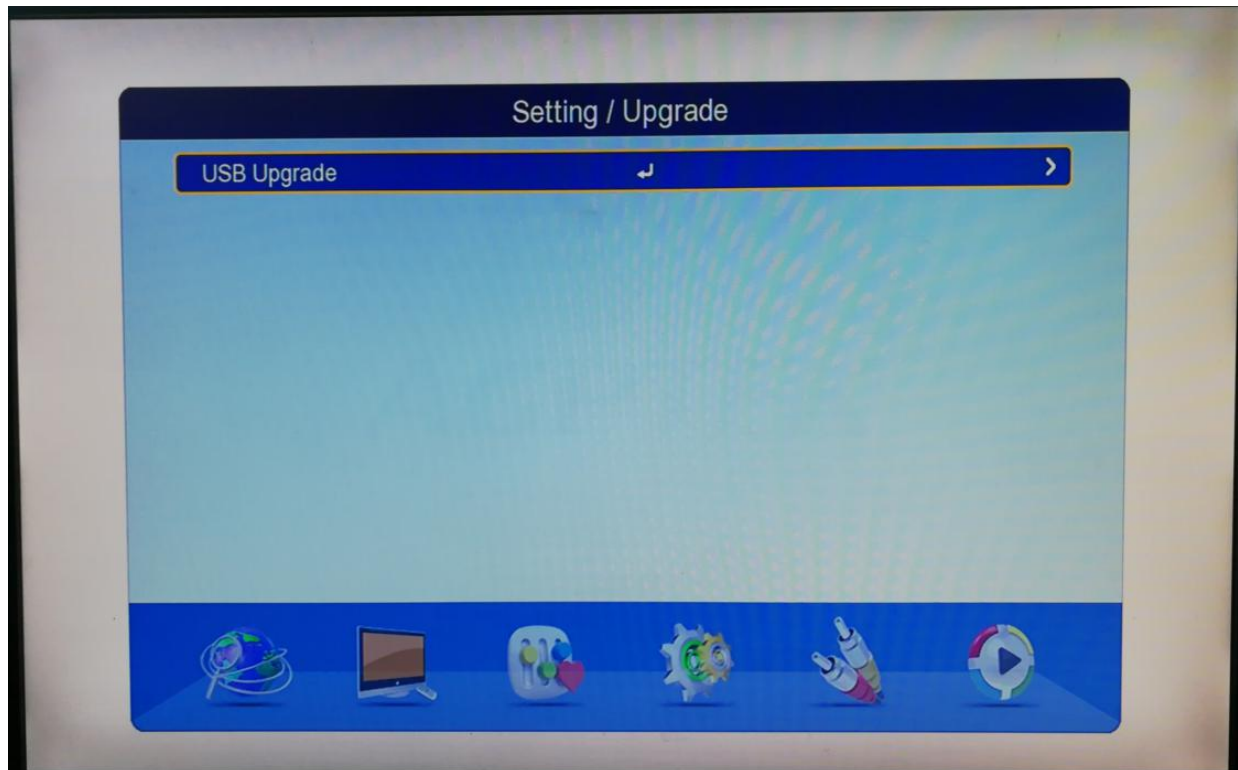
5.4.3 Factory Reset

[Factory Reset] is for restoring the system to factory settings, press [UP/DOWN] and choose the [Factory Reset], and then press [ENTER], after popping up password input box, input the correct password (the default is 0000), the system will restore to factory settings, after that, it will pop up systematic initial menu and guide the system to reinitialize.



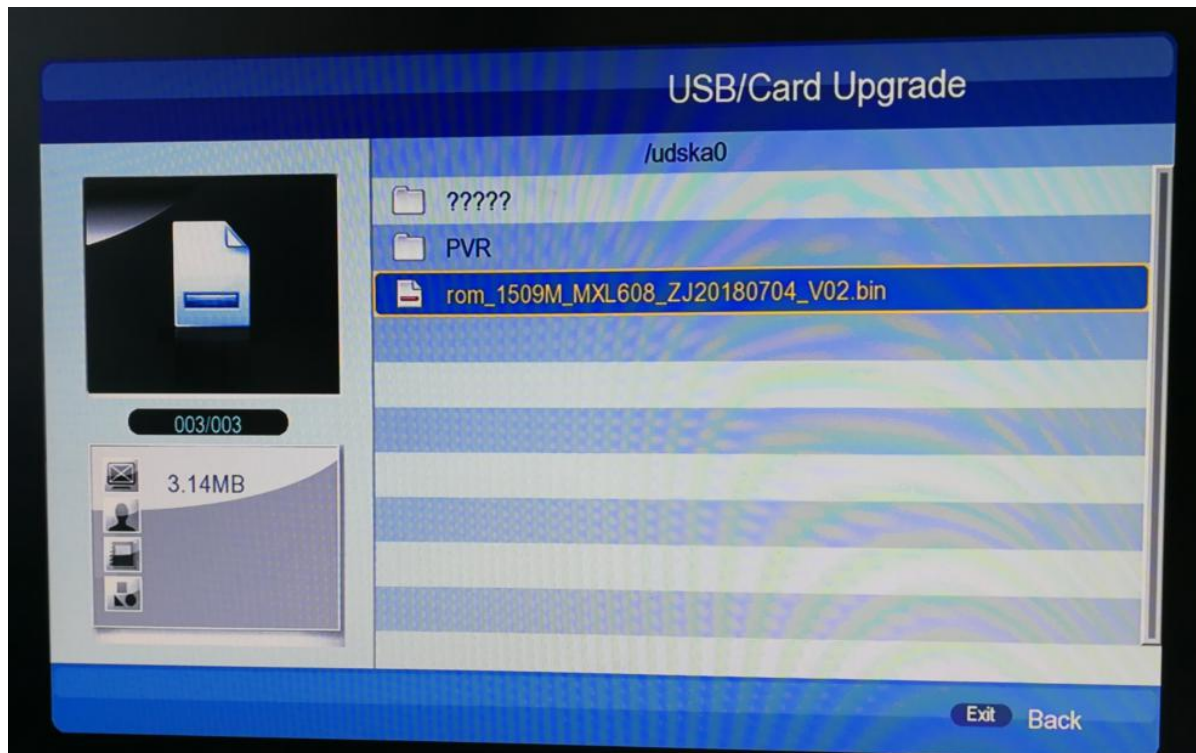
5.4.4 Upgrade

[Upgrade] can be choosed in [Main Menu]->[Setting]->[Upgrade] like the picture 5.4.4.1:



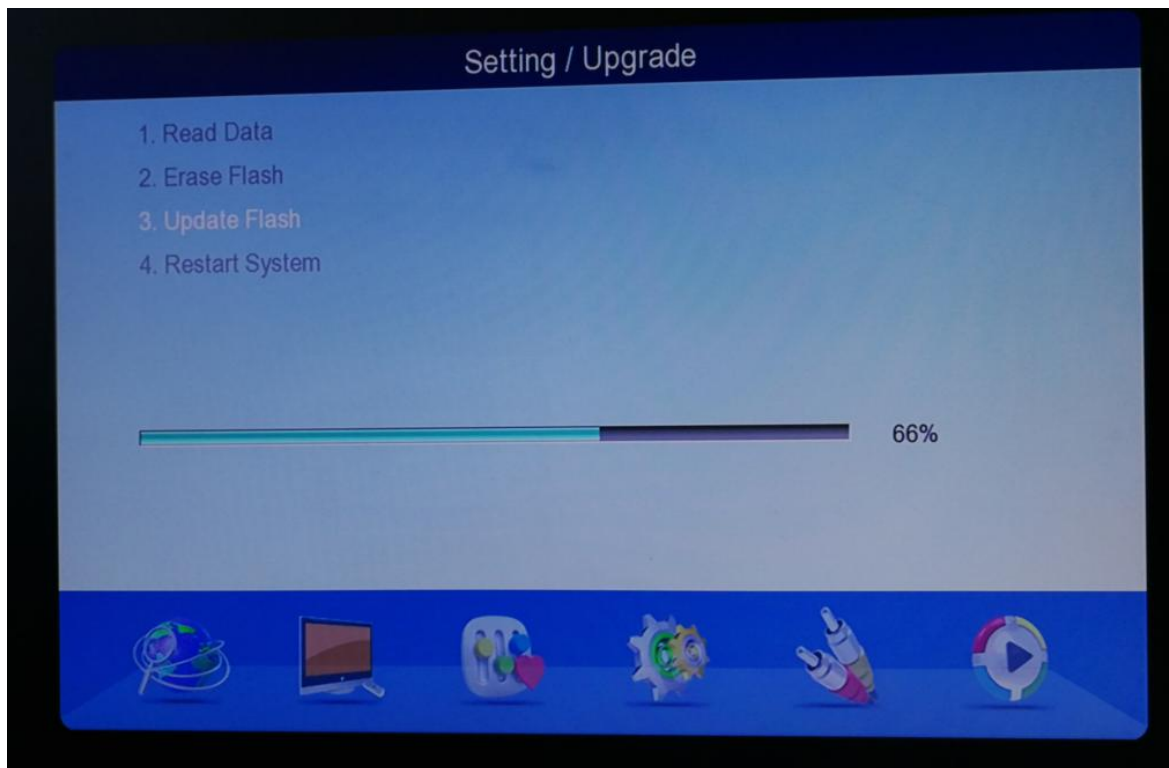
Pic 5.4.4.1 Upgrade

There are three ways to support upgrade. They are USB/Card Upgrade, OTA Upgrade, IRD Upgrade. Select [USB/Card Upgrade], press [ENTER], if you didn't connect to USB equipment, it will give message; otherwise, it will show as below:



Pic 5.4.4.2 USB/Card Upgrade

Select rom.bin as storage area. Press [ENTER] and then choose rom.bin, press [ENTER] again and start using USB to upgrade, as picture shown below:

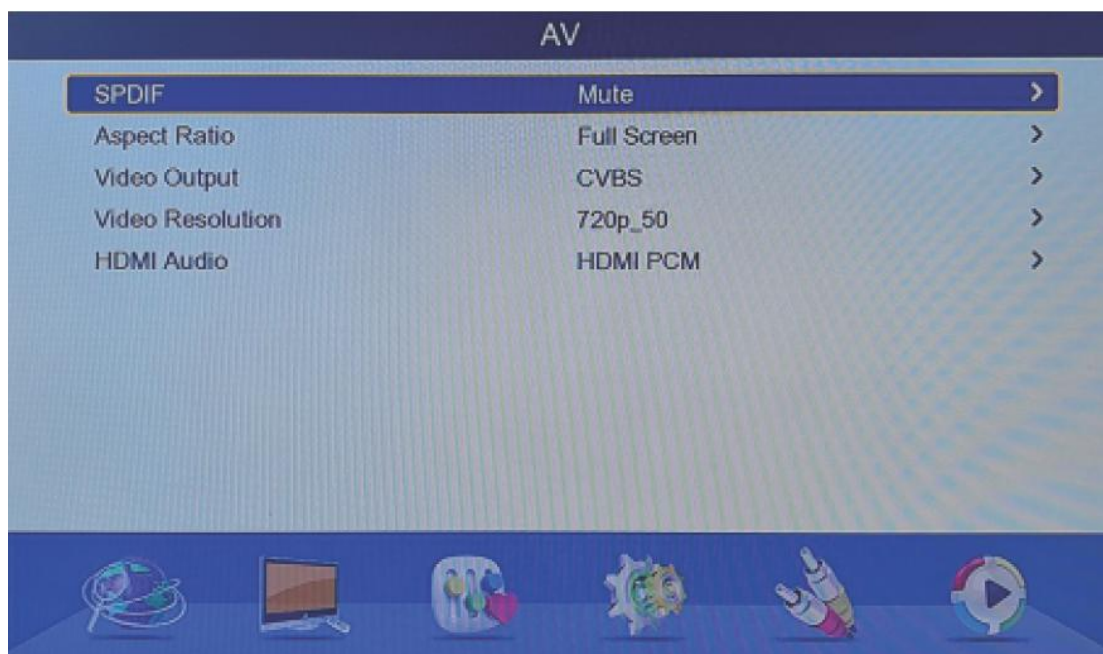


Pic 5.4.4.3 USB Upgrade Flow

After finishing USB Upgrade, the system will restart automatically.

5.5 AV Setting

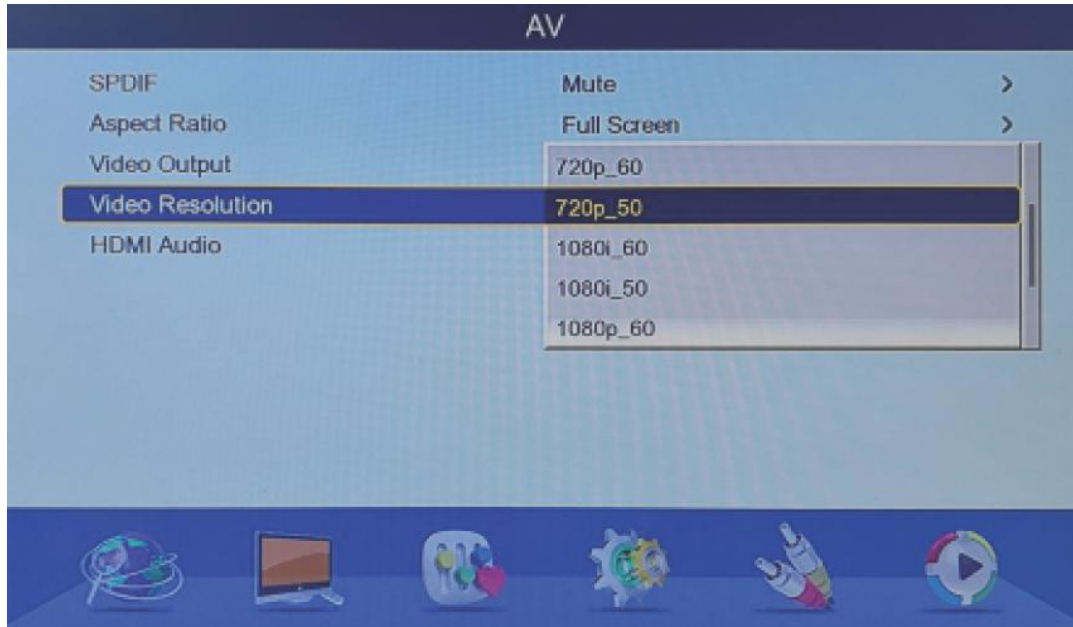
[AV] is for setting up the related options about video output, brightness, resolution, output format, etc. In [Main Menu], press [UP/DOWN] to choose [AV], press [ENTER] to enter [AV], as picture 5.5 shows:



Pic 5.5 AV Setting

5.5.1 Video Resolution

[Video Resolution] is for setting up output video resolution and refresh rate, it supports up to 1080p_60 (Full HD). After choosing [Video Resolution], press [ENTER], it will pop up the select list, as picture 5.5.1 shows:



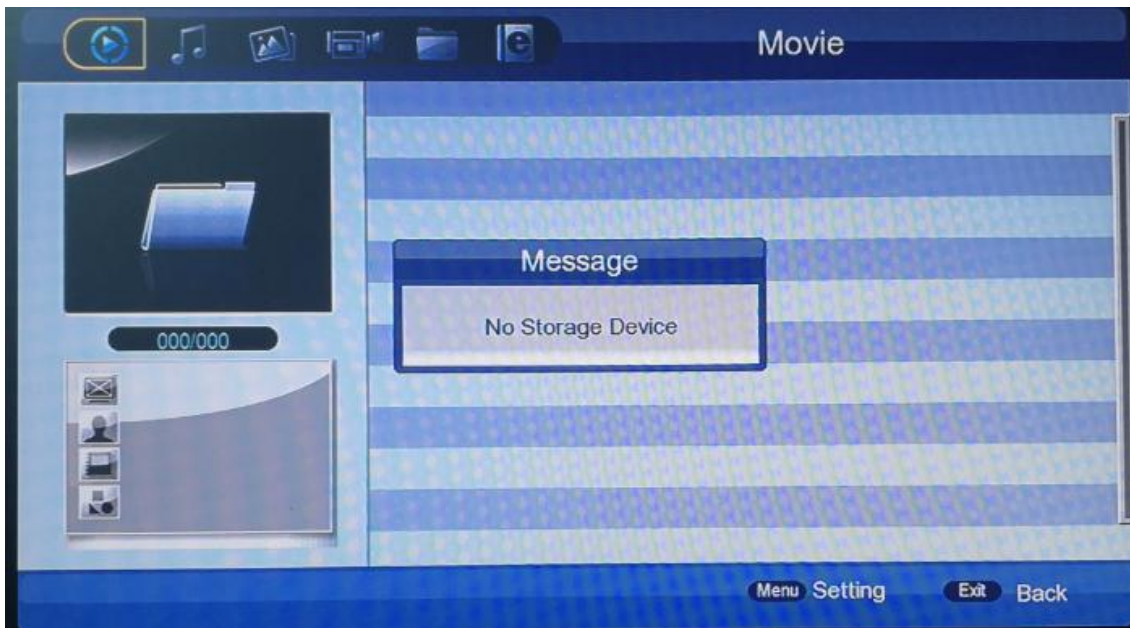
Pic 5.5.1 Video Resolution

List includes the following options (P represents line-to-line scan, i represents interlaced scan):

- 1) 480: P_60,i_30
- 2) 576: P_50,i_25
- 3) 720: P_60,P_50
- 4) 1080: P_60,P_50,i_30,i_25 ([Aspect Ratio] only can choose 16:9, 16:9PB)

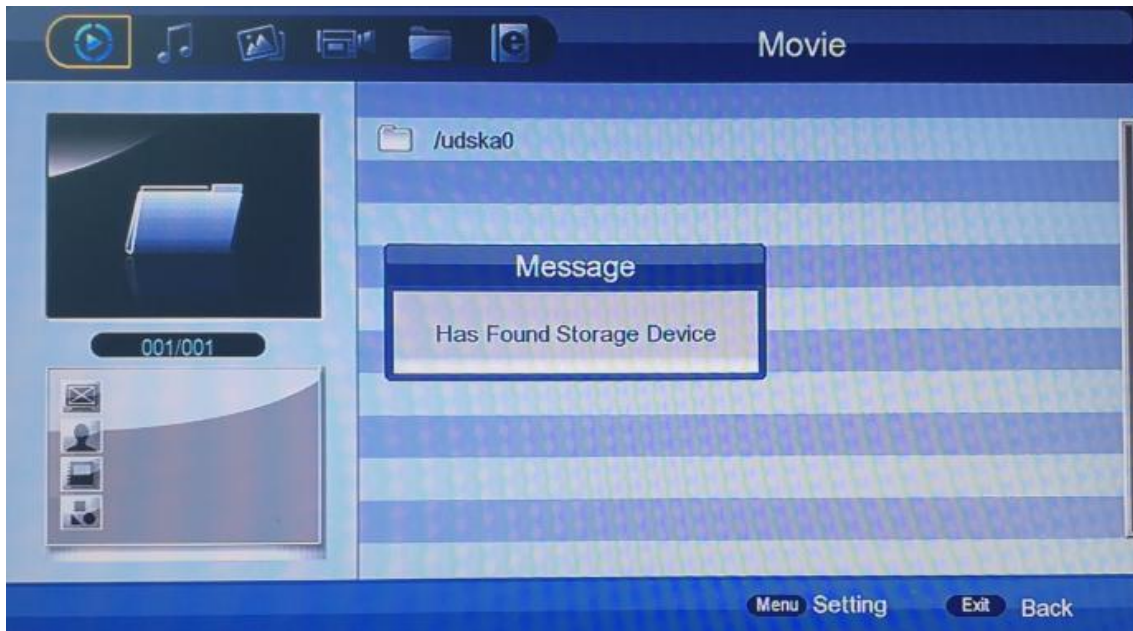
5. 6 Multimedia Mode

5.6.1 [Multimedia Mode] is for viewing and editing media in the USB flash disk inserted. You can switch to [Multimedia Mode] by choosing [Main Menu]->[Media Center]->[Multimedia]. After choosing [Multimedia Mode], press [ENTER], it will check whether there is USB (CARD) equipment automatically. If there is no USB (CARD) equipment or USB (CARD) equipment is pulled out, it will show like pic5.1:



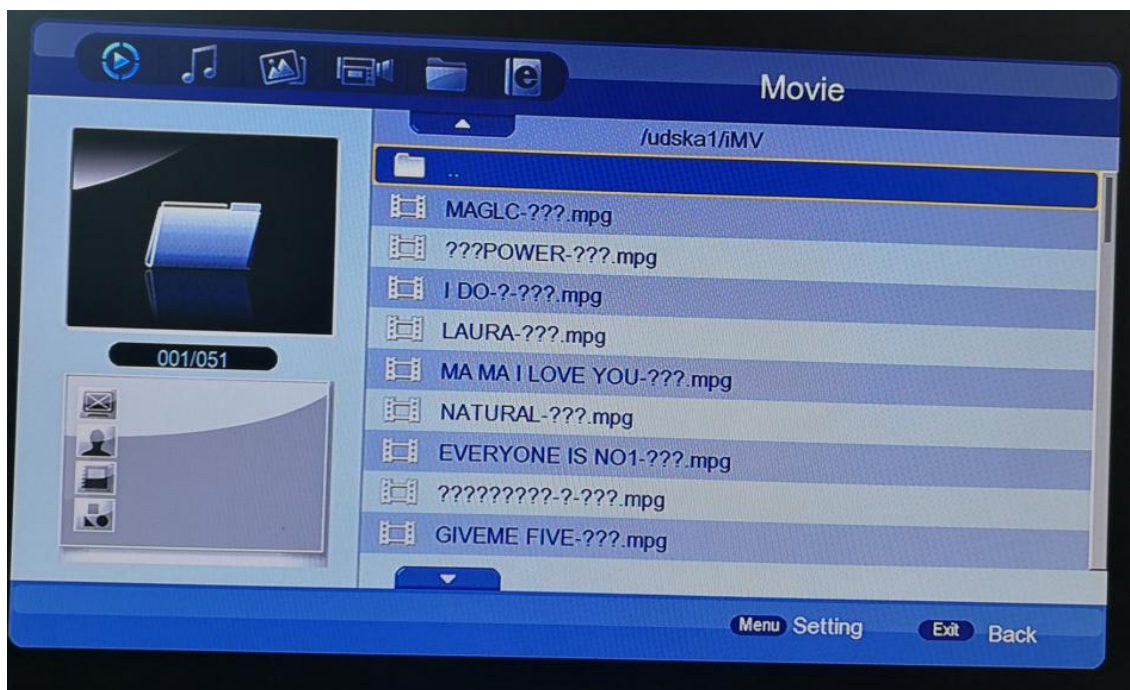
Pic 5.6.1 NO USB (CARD)

5.6.2 Insert a USB flash disk and the initialization will be processed automatically



Pic 5.6.2 USB (CARD) Equipment

5.6.3 And then you can enter the Multimedia List, including Movie/ Music/ Photo/ Record Manager/ Disk Manager/ EBook. The partitions supported includes: FAT FAT32 and NTFS.



Pic 5.6.3 Multi-media List

5.6.4 Press [Menu] to set up the multimedia playback, including:

- 1) [Movie Repeat]: Select loop mode when playing a video file: Dir (play by list), One, OFF.
- 2) [Music Repeat]: Select loop mode when playing an audio file: Dir (play by list), One, OFF.
- 3) [Photo Repeat]: Select loop mode when playing a graphic file:Dir (play by list), OFF.
- 4) [BG music]: Select [YES] or [NO] to decide whether supporting BG music when playing pictures or reading e-books.
- 5) [Slide Time]: Set slide time of picture slideshow.
- 6) [Effect]: Select slideshow effect of playing pictures

6. Record & Timeshift

6.1 Record

Under full-screen state, if you want to record the television program, please press [REC]. If you haven't inserted any USB Flash disk (CARD), it will show as pic 7.1:

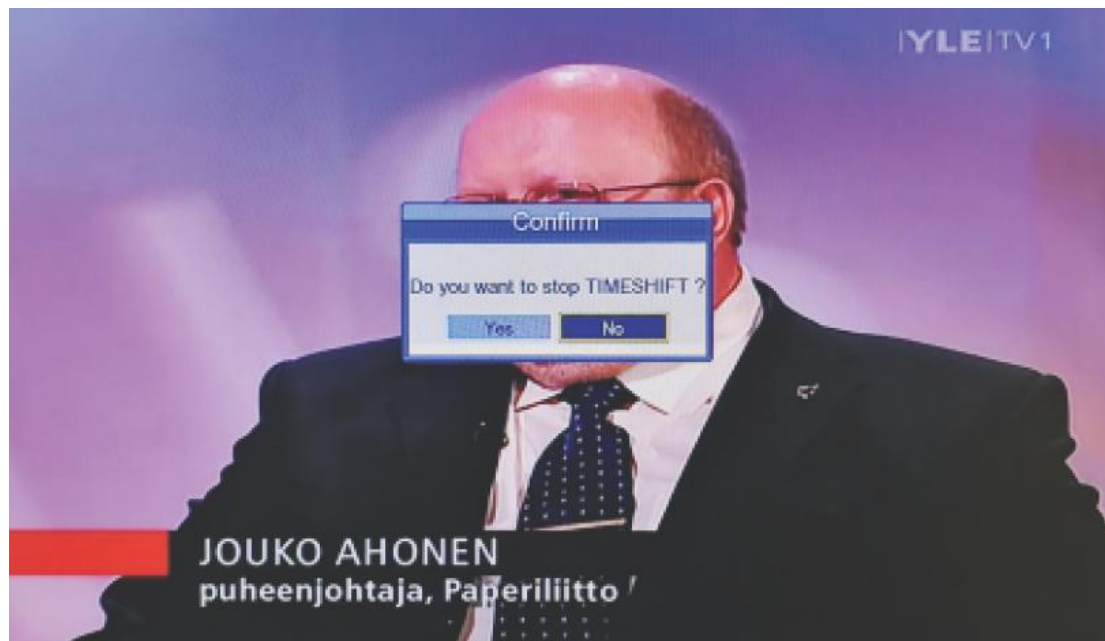


Pic 6.1 Without USB (CARD) DISK

When USB Flash disk (CARD) inserted, it will initialize and start to record, like the pic 6.1.1. If you want to stop recording, please press [STOP]; if you want to suspend record, please press [PAUSE], like pic 6.1.2:

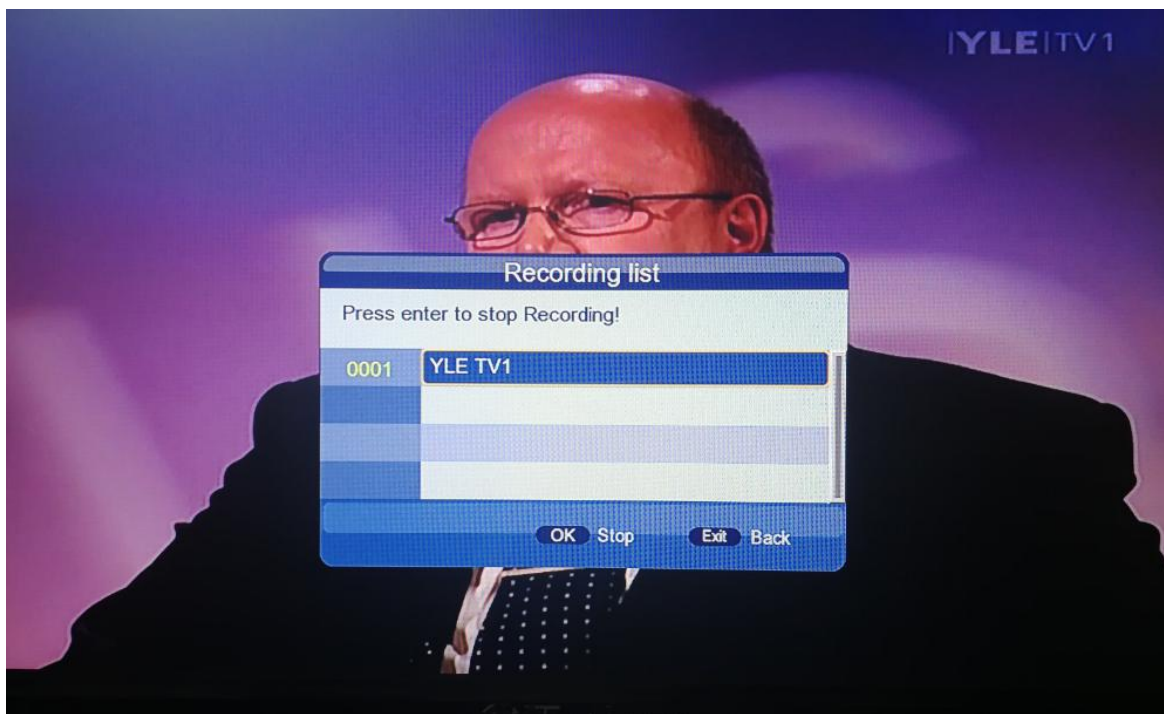


Pic 6.1.1 USB (CARD) Initialization



Pic 6.1.2 Record Suspension

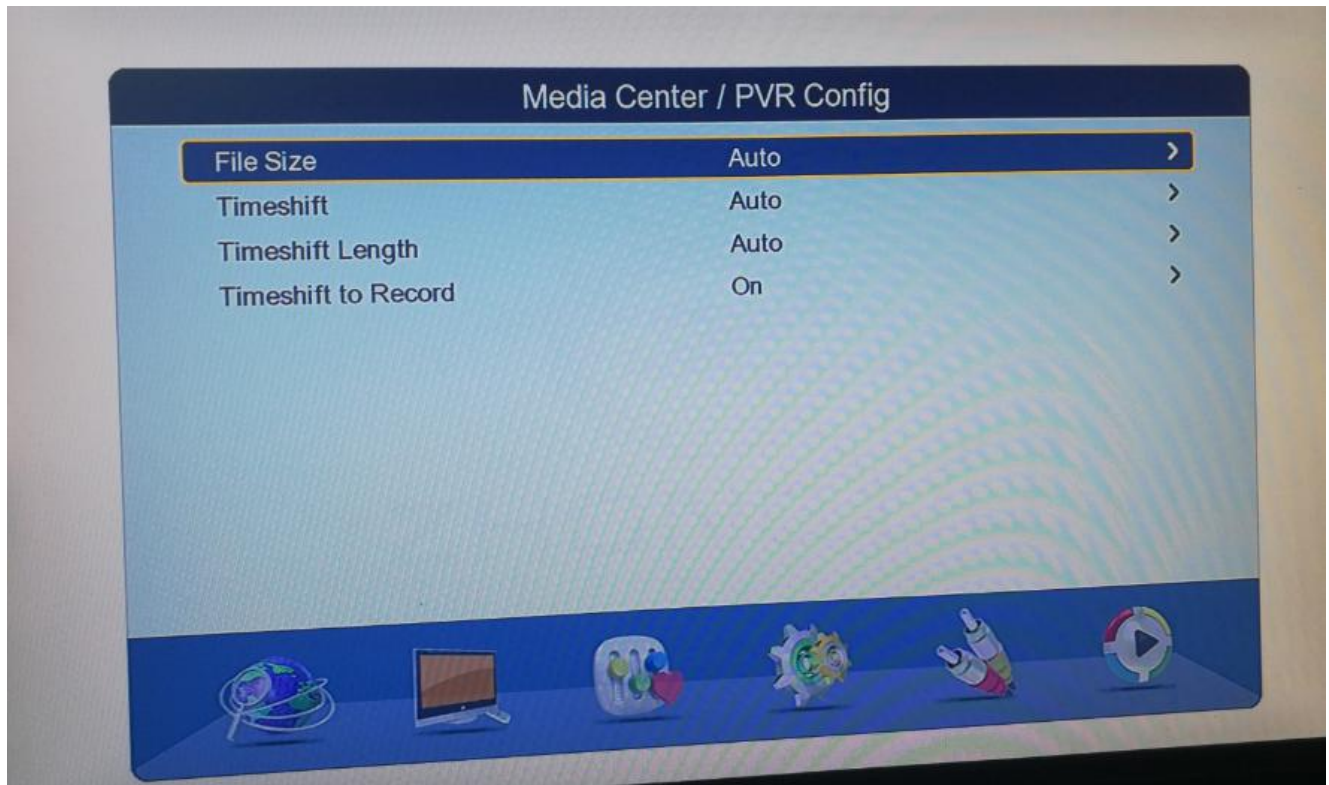
While recording, press [INFO] and it can show detailed information, when press [INFO] again, it will show the list of what you are recording, like pic 6.1.3:



Pic 6.1.3 Record List

6.2 Timeshift

Timeshift is for previous TV program playback. You can make the setting in [Main Menu]->[Media Center]->[PVR Config], like the picture 6.2:



Pic 6.2 PVR Config

[Timeshift] has three options:

- 1) Auto: when you are in optional channels, it will open Timeshift automatically;
- 2) Pause: Under full-screen state, press [PAUSE] to open Timeshift;
- 3) Off: While recording, press [PAUSE] or [PR] to open Timeshift.