

SARASON

WATERPROOF LED TV



USER MANUAL

Note: The product and illustrations in this user's manual is only for explanation purposes and may vary depending on model.

Safety Information

IMPORTANT SAFETY INSTRUCTIONS

Read these instructions.
Keep these instructions.
Heed all warnings.
Follow all instructions.
Do not use this apparatus near water.
Clean only with dry cloth.
Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
Only use attachments/accessories specified by the manufacturer.
Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



Unplug the apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

WARNING : To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.

WARNING: The mains plug is used as disconnect device, the disconnect device shall remain readily operable.



- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

Apparatus with class I construction shall be connected to a mains socket outlet with a protective earthing connection.

Bathroom TV Install Manual

Testing the TV prior to install

1. Carefully lift the TV from the box, leaving the protective end caps on the TV.
2. One side at a time remove the foam end caps, and remove the protective plastic bag.
3. Remove the back-mounting case from the back of the TV. Be aware It's secured.
4. Place the 2 end caps on a firm surface and lay the TV face down on the protective end caps to protect the face of the TV.
5. Remove the inputs cover from the back of the TV.
6. Connect signal inputs (Aerial, HDMI etc.)
7. Connect the power supply.
8. Turn on the TV using the power button on the remote, the standby light should flash between red and green and the initial boot screen will appear.
9. Fit the battery (supplied) to the waterproof remote.
10. Follow the instruction manual to test the functionality.
11. After testing remove all the cables, but leave the antennae installed. Replace the inputs cover, Refit the end caps and place the TV in the original box until the back mounting case has been installed.

First Fix Installation (Power & back mounting case):

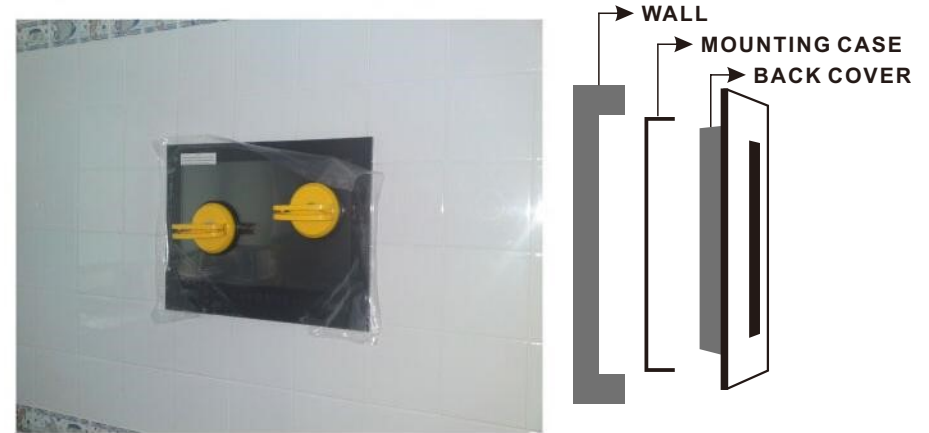
1. Mark out the location you will install the TV, ensuring enough space to locate the back mounting case with 20mm all around to allow for the screen size.
2. Locate the nearest power supply and choose an accessible location for the transformer outside of zone
3. Chase cabling from the back mounting case to the transformer. Low voltage cable length is 3 meters. DC extension cables are available if a longer cable is required.
4. Create a recess for the back-mounting case, Ensure that there is a suitable surface to secure the mounting case.
5. Secure the mounting case with a minimum of 6 screws. Ensure the front edge of the mounting case is flush with the wall.
6. Insert the TV's back mounting box.
7. Bring through the cables from the bottom of the back mounting box.

Installing the TV

1. Unscrew and remove the inputs cover on the back of the TV.
2. Insert all cables into ports and rest wires on the foam.
3. Once all cables are in place, re-attach the inputs cover and screw to secure in place.
4. To mount the TV into the mounting case, bring the TV up to the hole and start to slowly push screen into its housing. Take care not to snag or pull against any cables during the install, and remember the front is glass. Please take care and do not force the TV as excess force may cause damage to the front glass screen.
5. Turn on the screen using the power button on the remote, the standby light should flash between red and green and the initial boot screen will appear.

Sealing the TV

1. Once you are happy that the bathroom TV is in place and working, a silicon-based sealant will need to be applied to complete the installation.
 2. Apply the sealant around all the edges of the TV. This is to prevent water entry to the back of the unit.
- PLEASE NOTE: Failure to seal the TV against the wall may cause faults/damage which are not covered under warranty.



Removing the TV

In the event that the TV needs to be removed from the wall, it's important to follow these instructions.

1. Switch off the TV at the mains supply.
2. Cut through the silicone sealant all around the TV with a sharp knife. Be sure the seal is broken all around the TV before removing.
3. Very gently place a blunt object behind the metal behind the glass in each side and ease the tv forwards until you can get your fingers behind the lip of the TV.
4. Gently pull the TV towards you until its free from the back case.
5. Remove the Cable mounting plate and disconnect the power and input cables.

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TV Specifications

Screen Size	22"
Display Type	TFT LED
Resolution	1920 X 1080
Aspect Ratio	16:9
Alimentation	DC 12V $\overline{\text{---}}$ 4A
Audio Output	L/R 5W X 2
Dimensions of Front Screen	603 x 402.2 x 54.8MM
Mounting Plate	587.4 x 376.1 x 46.7MM

Screen Size	24"
Display Type	TFT LED
Resolution	1920 X 1080
Aspect Ratio	16:9
Alimentation	DC 12V $\overline{\text{---}}$ 4A
Audio Output	L/R 5W X 2
Dimensions of Front Screen	612.2 x 431.5 x 55MM
Mounting Plate	596.6 x 407.4 x 47.3MM

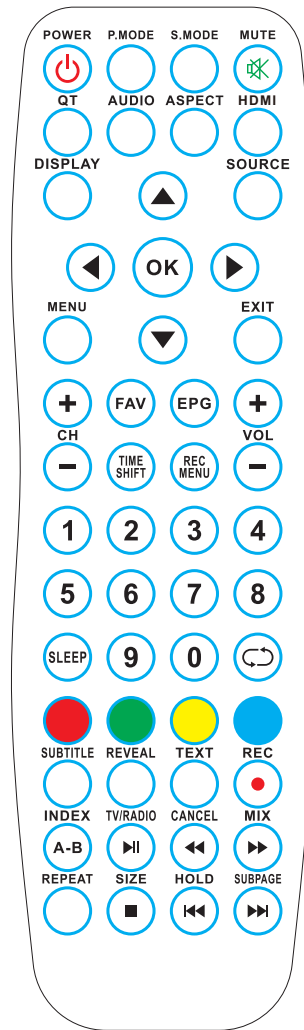
Screen Size	27"
Display Type	TFT LED
Resolution	1920 X 1080
Aspect Ratio	16:9
Alimentation	DC 12V $\overline{\text{---}}$ 6A
Audio Output	L/R 5W X 2
Dimensions of Front Screen	677 x 497.6 x 54MM
Mounting Plate	661.4 x 473 x 46.3MM

Screen Size	32"
Display Type	TFT LED
Resolution	1920 X 1080
Aspect Ratio	16:9
Alimentation	DC 12V $\overline{\text{---}}$ 6A
Audio Output	L/R 5W X 2
Dimensions of Front Screen	777.8 x 546.3 x 58.8MM
Mounting Plate	762.2 x 512.7 x 51.1MM

Note:
Design and specification changes can be made for any All data and dimensions are approximate without notice.

Accessories

Please make sure the following items are included with your LED TV.
If any items are missing, contact your dealer.



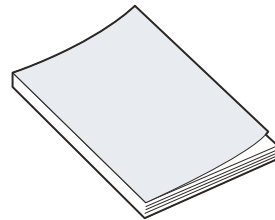
Remote Control



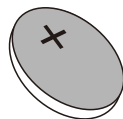
Power Cord



Main Adaptor

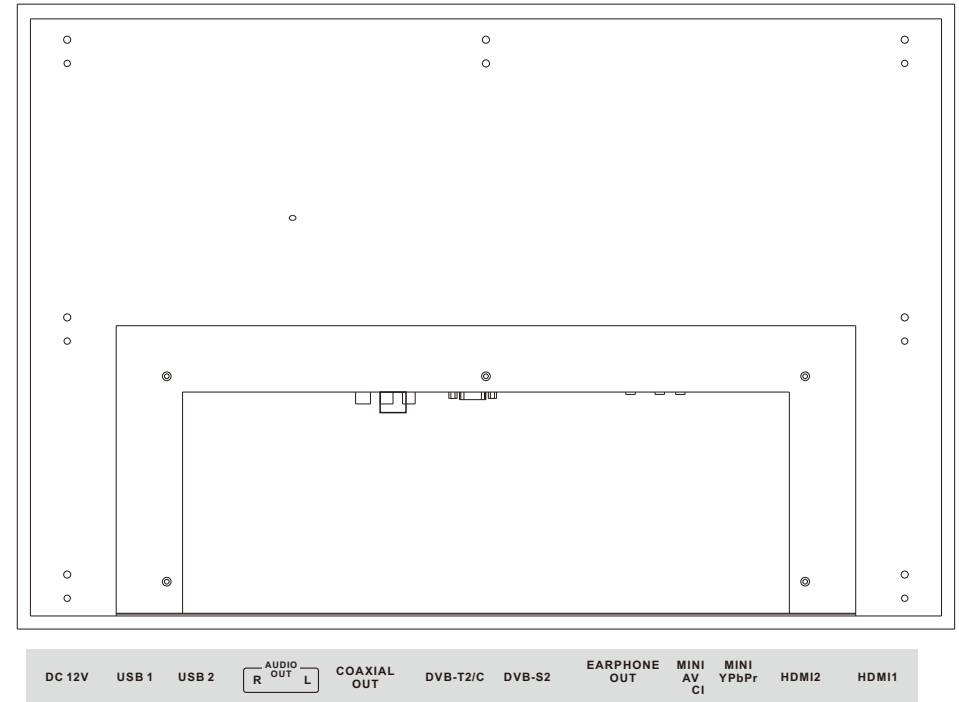


Owner's Instructions



Battery (CR2032)

Overview of back panel



1. DC 12V

DV 12V input.

2. USB1/2

Connect media stick for content.

3. R/L

Connect to the audio output jacks on your amplifier/home theater.

4. COAXIAL OUT

Coaxial Digital audio output.

5. DVB-T2/C

Connect to external antenna to receive the ATV/DTV program in ATV/DTV mode.

6. DVB-S2

Connect to external SATELLITE to receive.

7. EARPHONE OUT

Connect for headphones.

8. MINI AV

Connect for VIDEO signal input in Composite mode.

9. MINI YPBPR

Connect for the Y/Pb/Pr Input in Component mode.

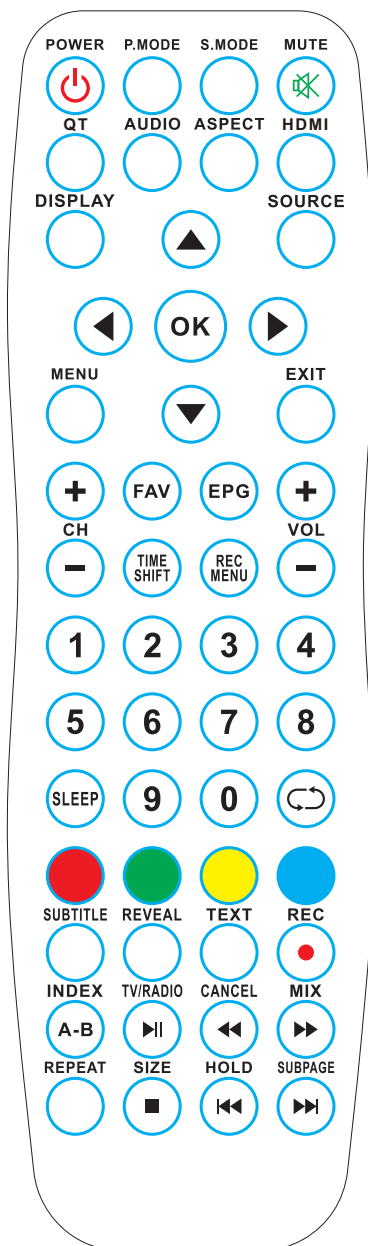
10. CI SLOT

Use to insert the CI card.

11. HDMI 1 / 2

Connect for HDMI.

Remote Control Unit

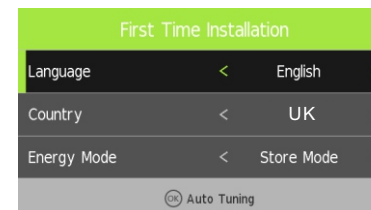


No.	Button	Description
1	POWER	Set your TV to power on or standby mode.
2	P.MODE	Select the picture mode.
3	S.MODE	Select the sound mode.
4	MUTE	Press to mute the sound. Press again to regain sound.
5	QT	Quick Tune. Quick TV Channel Autotune Button.
6	AUDIO	Press to display the language of the audio in DTV.
7	ASPECT	Press this button to select the aspect of screen.
8	HDMI	Press this button to select the HDMI.
9	DISPLAY	Press this button to display the information on current input.
10	SOURCE	Press this button to display the input source.
11	MENU	Allows you to navigate the on screen menus (OSD).
12	EXIT	Exit from the current menu or sub-menu.
13	◀▶ ▲▼	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
14	FAV	Selects favorite channels.
15	EPG	Press to display EPG (Electronic Program information).
16	TIME SHIFT	Press to switch to TIME SHIFT mode.
17	REC.MENU	Press to switch to REC.MENU immediately (DTV only).
18	CH+/-	Press these two buttons to change channels up/down.
19	VOL+/-	Press these two buttons to increase/decrease the volume.
20	0-9	Press 0-9 to select a TV channel directly. The channel will change after 2 seconds. Applicable for enter page number in TELETEXT mode.
21	SLEEP	Set the time for the TV to turn off automatically.
22	↺	Return to the previously viewed program.
23	R (DELETE)	Delete function button.
24	G (RENAME)	Rename function button.
25	Y (MOVE)	Move function button.
26	B (SKIP)	Skip function button.
27	SUBTITLE	Press to select the subtitle language.
28	REVEAL	Shows hidden words or pages by Teletext.
29	TEXT	Switch on/off of Teletext window.
30	REC/●	Press to record the program immediately.
31	INDEX	Returns to Index page by Teletext.
32	TV/RADIO	Press to switch between DTV and radio programs
33	CANCEL	Switches the Teletext window to the background; only the current page no is visible.
34	MIX	Sets the transparency of Teletext window.

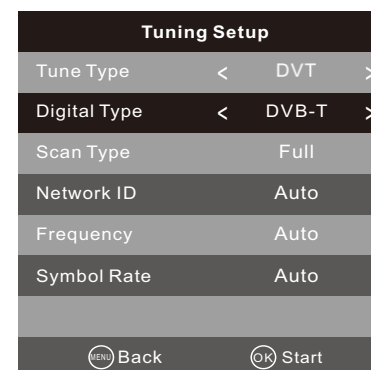
No.	Button	Description
35	REPEAT	DVD: Repeat mode selection.
36	SIZE	Zoom In or Out of the Teletext window.
37	HOLD	Holds on the current Teletext page.
38	SUBPAGE	Displays a sup-page of upper Teletext options.

Main Menu

Step one: It shows “OSD Language” for you to choose when boot for the first time.
 Step two: Enter “Country” menu.
 Step three: Enter “Energy” menu.



Enter “Tune Type” menu



Input Source

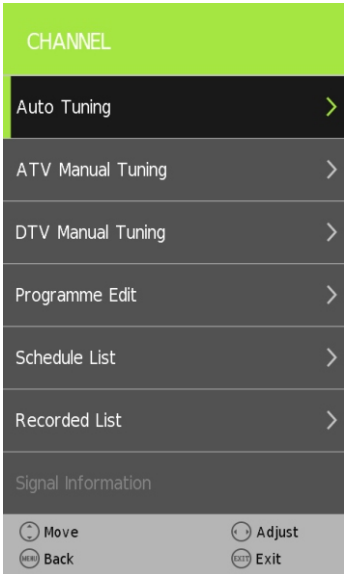
There are only 9 ports input source menu page.
 It supports Satellite/DTV/ATV/AV/YPbPr/HDMI1/HDMI2/SMART TV/USB.



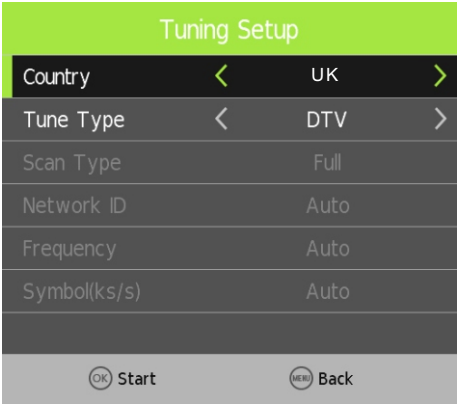
Press [MENU] key to show main menu. There are five functions under main menu: Channel, Input Source, Application, Media Play and Setting. Press [LEFT]/[RIGHT] to select these functions.



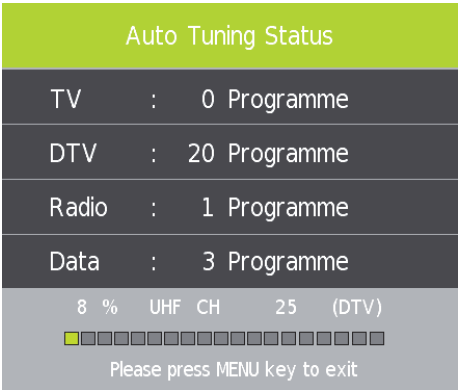
Channel



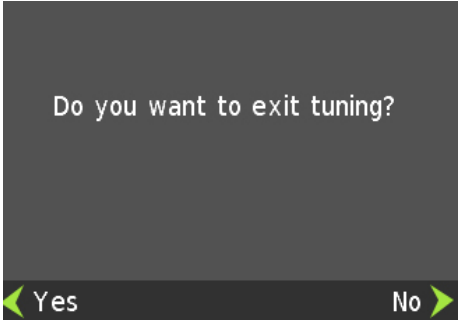
Auto Tuning
Under the Auto Tuning of CHANNEL menu. Press [LEFT]/[RIGHT]/[OK] key to enter Auto Tuning, the following prompt box will appear.



When Tune Type is DTV+ATV, press OK key to enter DTV auto searching.



When search DTV, if you want to skip ATV and directly enter DTV, press MENU to enter the menu as follows:



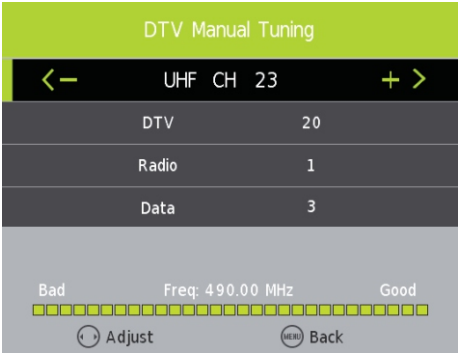
Press left/right key to select Yes/No, press OK to execute. “Yes” is to skip the ATV searching and enter DTV searching. When searching, if you want to directly exit from searching, press EXIT to exit.

ATV Manual Tuning



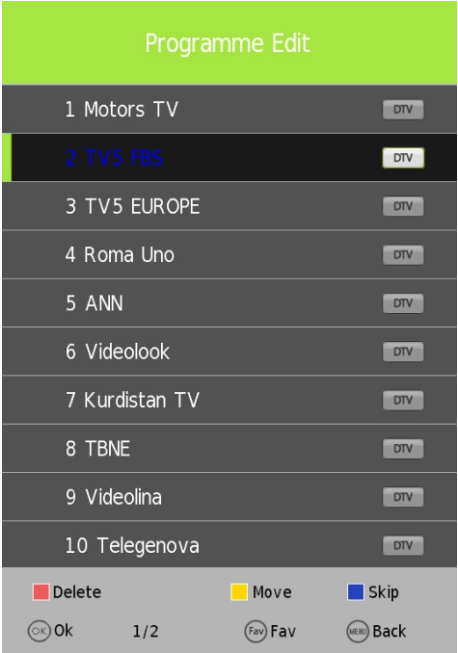
Press [LEFT]/[RIGHT] to adjust channels, when there is signal, press OK then begin ATV searching.
Tips: After searching the channel manually, press red key to save the channels, or, the channel you searched won't be saved.

DTV Manual Tuning



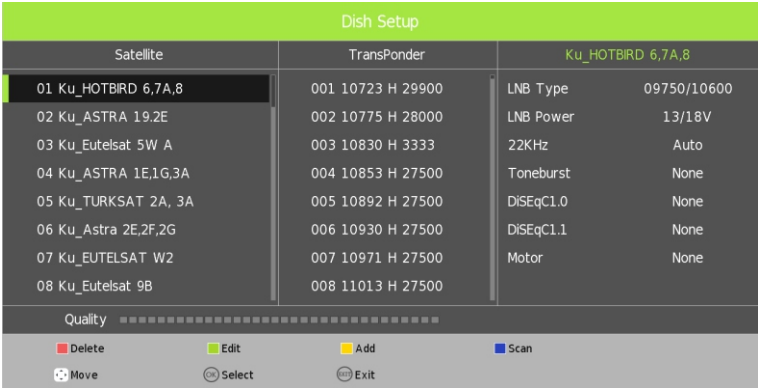
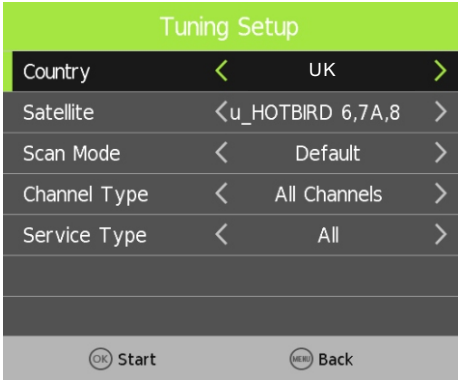
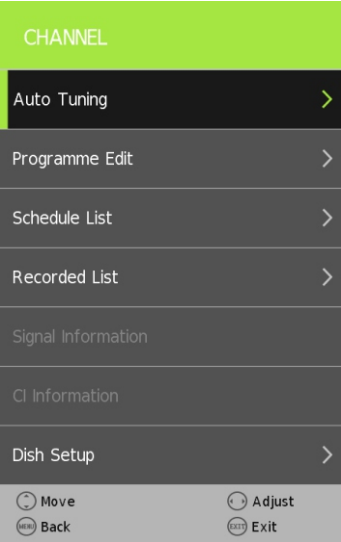
Press [LEFT]/[RIGHT] to adjust channels, when there is signal, press OK then begin DTV searching.

Program Edit



Satellite

Press [LEFT]/[RIGHT] to adjust channels, when there is signal.
Press OK then begin Satellite searching.



Channel edit function includes “Delete/Move/Rename/Skip/Fav”. Fav/Skip mark will appear only after the users have some setting on the channel (Fav and Skip can't be set together).

Delete: Press [RED] key to cancel the program that the cursor is in.

Move: Press [YELLOW] key, according to the prompt, execute MOVE function, move the program order.

Skip: Press [BLUE] key, the program the cursor is in will be marked with SKIP. Then press CH+/CH-, to skip this program, and this program won't be selected; even when you press the number key.

Rename: Rename function only appears and can be used under ATV program. Press [GREEN] key under ATV, to rename the prozram.

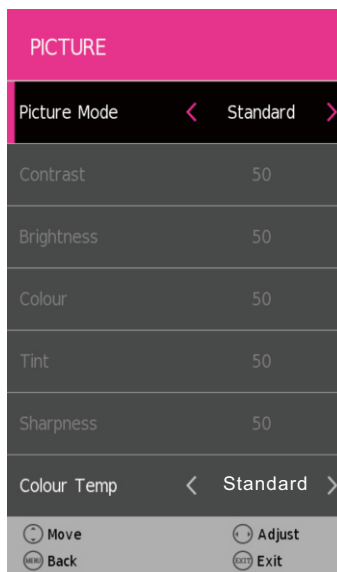
Fav Favorite: Press [FAV] key, to mark the program the cursor is in as a favorite program.

PVR

In CHANNEL menu, under PVR File system option, press [LEFT]/[RIGHT]/[OK] key to enter PVR menu, as follows:



Picture



Picture Mode

Standard->Mild->Dynamic->User->ECO Home, Picture mode selection.

Colour Temperature

Standard-> Cool -> Warm -> User Colour Temperature selection

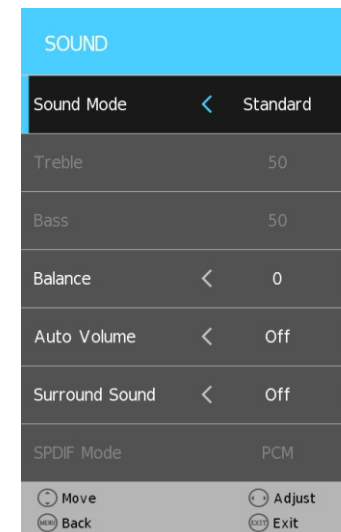
Noise Reduction

Off->Low->Middle->High-> Auto Noise reduction; it is under Hide status under VGA.

Sound

Sound Mode

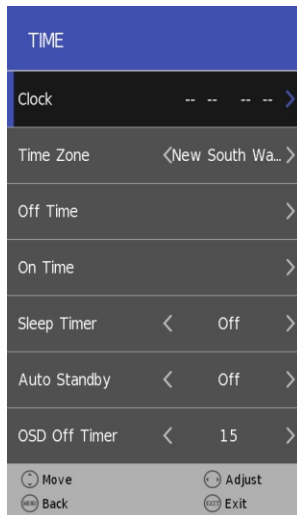
Press [UP]/[DOWN] button to select Location, then press [LEFT] / [RIGHT] button to select, then press OK button to confirm.



Time

Time Mode

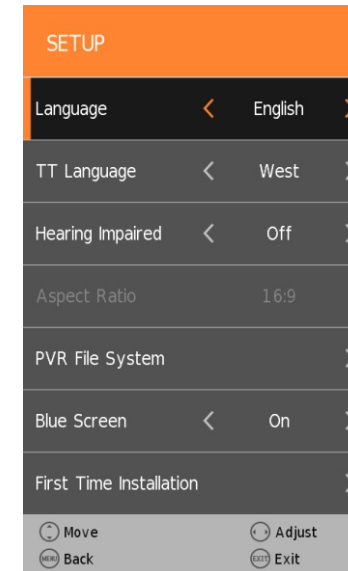
Press [UP]/[DOWN] button to select Location, then press [LEFT] / [RIGHT] button to select, then press OK button to confirm.



Setup

Setup Mode

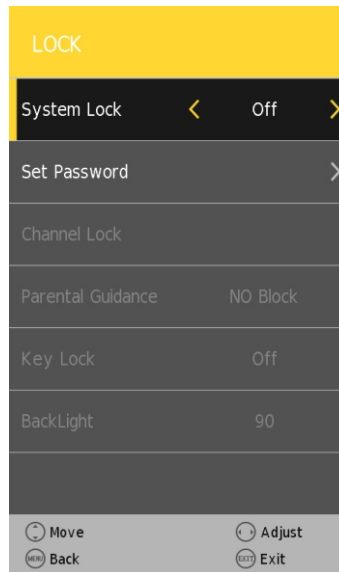
Press [UP]/[DOWN] button to select Location, then press [LEFT] / [RIGHT] button to select, then press OK button to confirm.



Lock

Lock Mode

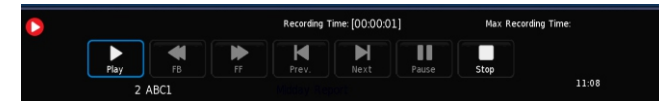
Press [UP]/[DOWN] button to select Location, then press [LEFT] / [RIGHT] button to select, then press OK button to confirm.



PVR

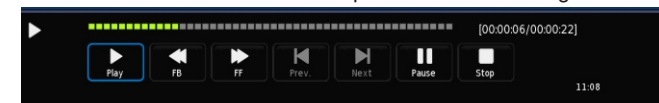
Record

In DTV, press [REC] button, it will display the following menu below, and start to record the current DTV program. Press [LEFT]/[RIGHT] button to move cursor to exercise different function according to hint.



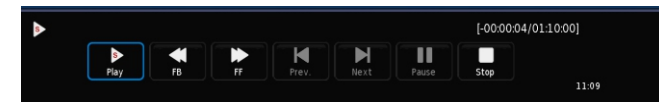
Playback

After recording the program, exit from Record, press [PLAY] button to implement Playback function. Different function can be implemented according to hint.



Timeshift

In DTV, press [PLAY/PAUSE] button to implement the function of Timeshift. Press [LEFT]/[RIGHT] button to move cursor to exercise different function according to hint.

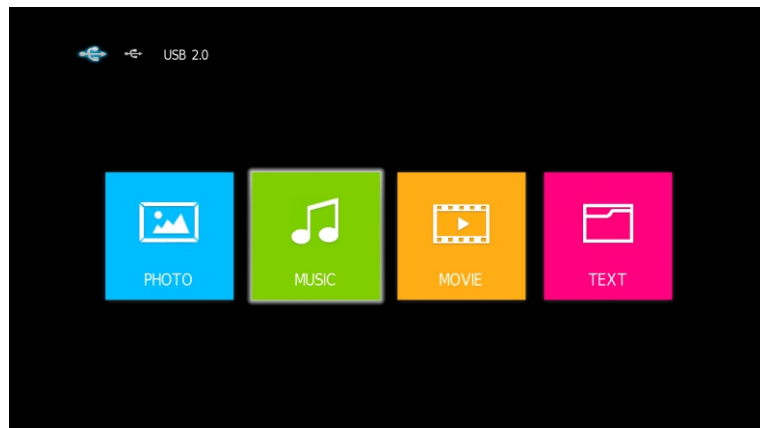


Media

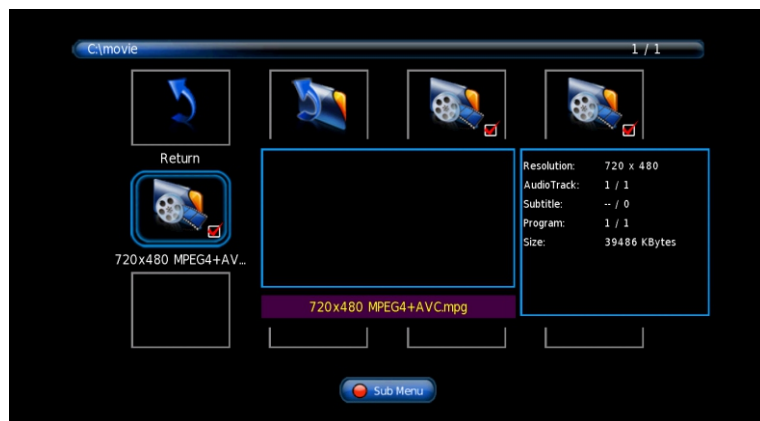
Media Player

In the option of Media Player on Main Menu, press [OK] to enter the Media Player menu, see the picture as follows:

Press [LEFT] / [RIGHT] to select Movie, Music or Photo.



Take Movie function for example, when there is focus point on Movie function, press [OK] button to enter into File Selector menu.

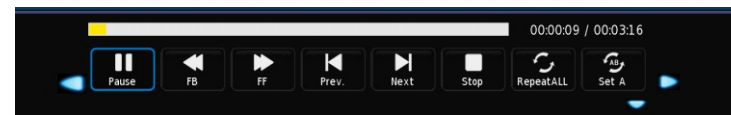


On File Selector menu, select film source that needs to be play according to the hint. Press [PLAY/PAUSE] button to enter into the play mode of full screen; press [PLAY/PAUSE] to return to Media Player menu.

Media Player

Movie

On Media Player menu, move cursor to movie, press [OK] button to enter into File Selector menu. Select the file you want to play, press [PLAY/PAUSE] to enter into full screen play. Press [LEFT] / [RIGHT] button to move cursor, and operate according to different hint.



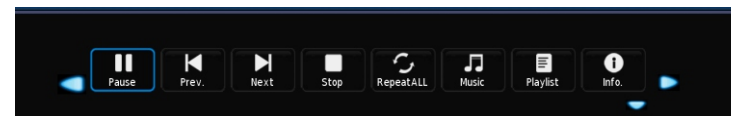
Music

In the same way, on Media Player menu, move cursor to Music, press [OK] button to enter into File Selector menu. Select the file you want to play, press [PLAY/PAUSE] to enter into full screen play. Press [LEFT] / [RIGHT] button to move cursor, and operate according to different hint.



Photo

In the same way, on Media Player menu, move cursor to Photo, press [OK] button to enter into File Selector menu. Select the file you want to play, press [PLAY/PAUSE] to enter into full screen play. Press [LEFT] / [RIGHT] button to move cursor, and operate according to different hint.



Troubleshooting

Problem	Potential Cause		Solution
No standby light on TV		PSU not receiving/giving power	Check connection between power lead and PSU
Standby light stuck on red		Remote	New battery
Standby light blue; no picture		PSU not receiving/giving power	Check connection between power lead and PSU
DTV - No signal		Not tuned in	Auto-tune using DTV auto search
HDMI - No signal		No signal received from source	Check connection on TV and source
No sound - Speakers	1	Muted/minimum volume	Increase volume using remote
	2	Sound trying to route to external speakers	Disconnect audio out port
Inteference		Caused by equipment around the the aerial	Move aerial to different position