Outdoor TV

USER'S MANUAL

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.

CAUTION

**RISK OF ELEC TRIC SHOCK
DO NOT OPEN**

ATTENTION:RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR

- 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.

Content

TV Specification

Screen size	43"
Display Type	TFT LED
Resolution	3840 X 2160
Aspect Ratio	16:9
Alimentation	AC 100-240V 50/60Hz
Audio Output	L/R 10W X 2
Dimensions(With stand)	981.6 x 590.6 x 91 mm

Screen size	55"
Display Type	TFT LED
Resolution	3840 X 2160
Aspect Ratio	16:9
Alimentation	AC 100-240V 50/60Hz
Audio Output	L/R 10W X 2
Dimensions(With stand)	1251.7 x 748.7 x 91 mm

Screen size	65"
Display Type	TFT LED
Resolution	3840 X 2160
Aspect Ratio	16:9
Alimentation	AC 100-240V 50/60Hz
Audio Output	L/R 10W X 2
Dimensions(With stand)	1471.3 x 868 x 91 mm

Note:
Design and specification modification maybe made at any time without prior notice, all data and dimensions are approximations.

**Screen size
43"/55"/65"**

**Capacity
50Kg**

**VESA
600 x 400mm**

Warning - Please read before installation

Please thoroughly read instructions before attempting installation

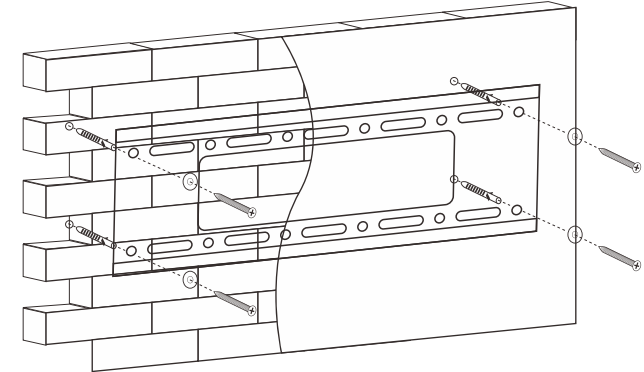The bracket supplied is only suitable for the 43"–65"Outdoor TVs

We advise that 2 people install the screen due to the heavy load of the screens

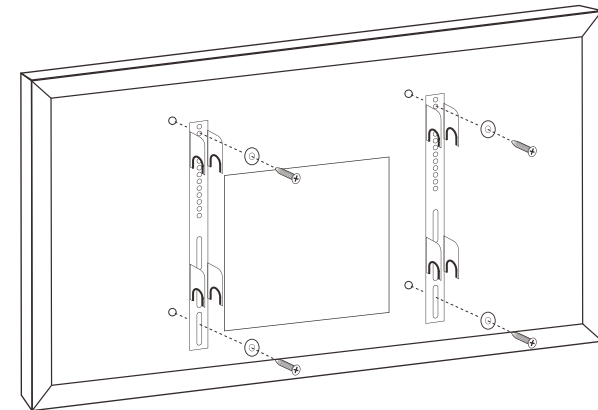Please be sure the mounting surface is strong enough to hold the weight of the screen

Step1–Mounting Bracket to Wall

Attach back plate to wall using supplied screws.

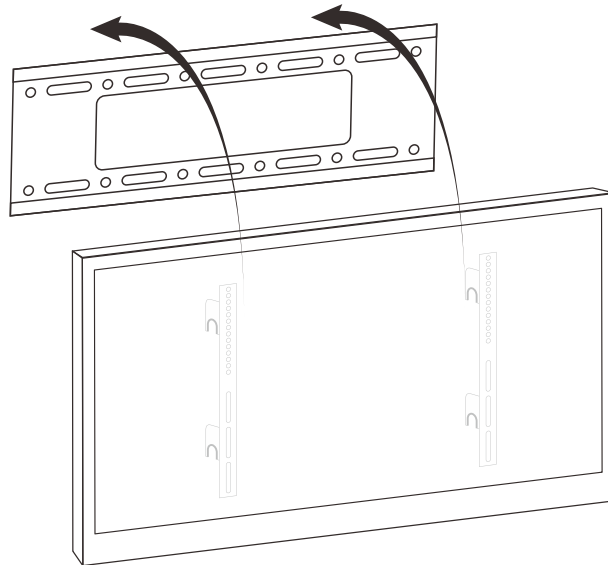

Step2–Mounting Hooksto TV

Remove 4 x screws from back of the TV, line hooks up with the holes and attach hooks to back of TV using theses crews.
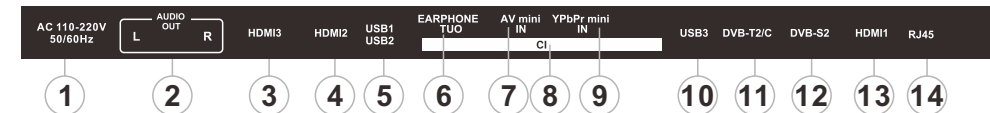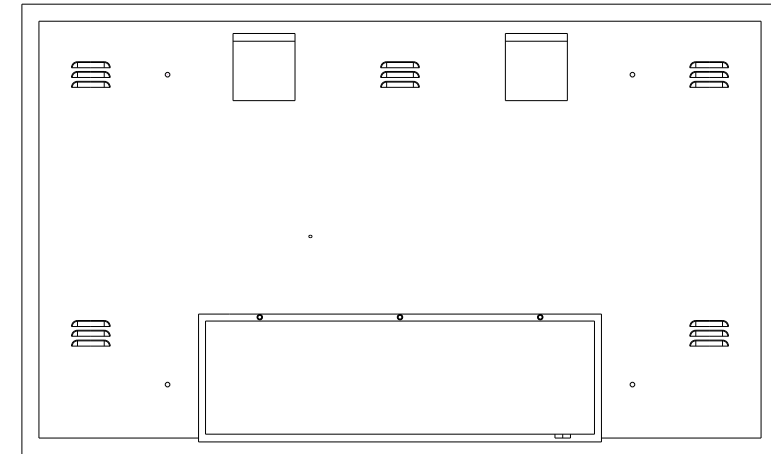
Installation

Step3–Mounting TV to Bracket
Mount TV to wall bracket by lining up hooks with the poles and then lock in to place.

43"/55"/65"	
VESA Standard	600 x 400mm

Overview of back panel

AC 110-220V 50/60Hz	AUDIO OUT L R	HDMI3	HDMI2	USB1 USB2	EARPHONE TUO	AV mini IN	YPbPr mini IN	USB3	DVB-T2/C	DVB-S2	HDMI1	RJ45

CI

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1. AC 100-240V 50/60Hz

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

3. HDMI 3
Connecting for HDMI device.

4. HDMI 2
Connecting for HDMI device.

5. USB1/2
Connecting for USB device.

6. EARPHONE
Connecting for headphone.

7. MINI AV
Connecting for VIDEO signal input in Composite mode.

8. CI SLOT
Used to insert the CI card.

9. MINI YPBPR
Connecting for the Y/Pb/Pr Input in Component mode.

10.USB3
Connecting for USB device.

11.DVB-T2
Connected to external antenna to receive the ATV/DTV program in ATV/DTV mode.
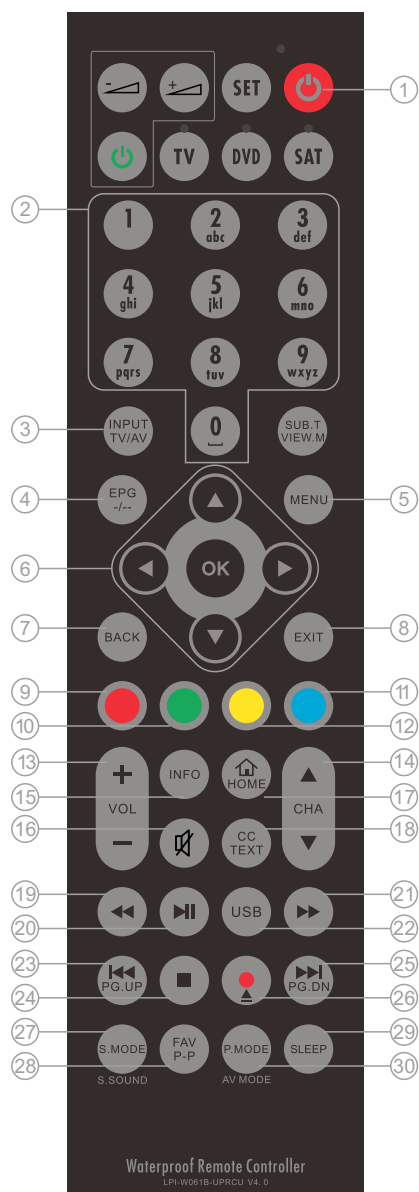
12.DVB-S2
Connected to external SATELLITE to receive.

13.HDMI 1
Connecting for HDMI Signal or ARC or Majestic Link.

14.RJ45
Ethernet connection for.

Remote-Control unit

Waterproof Remote Controller
LPI-W061B-UPRCU V4.0

No.	Button	Description
1	⏻	Turns the TV on or off to standby mode.
2	0-9	Press 0-9 to select a TV channel directly. The channel will change after 2 seconds.
3	INPUT TV/AV	Press to display the source and channel info.
4	EPG	Press to display EPG (Electronic Program Guide).
	-/--	Select NICAM audio mode. Only be available for TV programmers with NICAM transmission, and default mode is mono.
5	MENU	Allows you to navigate the on screen menus (OSD).
6	◀ ▶ ▲▼	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
	OK	Select the option.
7	BACK	Back to the parent menu.
8	EXIT	Exit from the current menu or sub-menu.
9	R (DELETE)	Delete function button.
10	G (RENAME)	Rename function button.
11	B (SKIP)	Skip function button.
12	Y (MOVE)	Move function button.
13	VOL +/-	Press these two buttons to increase/decrease the volume.
14	CHA +/-	Press these two buttons to change channels up/down.
15	INFO	Displays the channel in formation.
16	🔇	Press to mute the sound. Press again to regain sound.
17	⌂ HOME	Return to the home page.
18	CC/TEXT	Press to display the closed caption.
19	◀◀	Fast Rewind Media-Player and DVD.
20	▶❙❙	Play and Pause Media-Player / DVD.

No.	Button	Description
21	▶▶	Fast Forward Media-Player and DVD.
22	USB	Press this button to enter the USB channel.
23	◀◀	Plays the previous Media Player or DVD file/chapter.
24	■	Stops playback Media-Player and DVD.
25	▶▶|	Plays the next Media Player or DVD file/chapter.
26	●	Press to record the program immediately.
27	S.MODE	Select the sound mode.
28	FAV P-P	Press to display the favorite programs.
29	SLEEP	Set the delay time for the TV to turn off automatically.
30	P.MODE	Select the picture mode.

Main Menu User Guide

Main menu on TV

Channel
Main menu items(from right order Channel->Picture->Sound->Advance) at DTV/ATV input source.The first item is Channel page as default. Now ,press right key to enter the sub page,Auto Tuning is highlighted . In this page, we have four subItems: Auto Tuning, Mannual Tuning ,program guide (this item is only showed in DTV channel),program Edit .
Channel menu:
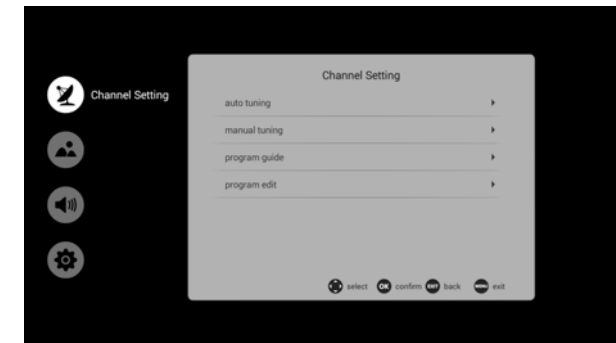
Auto Tuning
Enter Auto Tuning ,there is a dialog to choose atv auto tuning ,dtv auto tuning or ATV /DTV auto Tuning . Enter it and we can see a view of searching tv program in ATV or DTV automatically.

Picture 2:DTV Tuning picture

Picture 3: ATV/DTV Tuning picture

Function Description: Auto Tuning is searching all the proper program from your RF source .

Column	Descriptions
ATV	The number of Atv program
DTV	The number of Dtv program
Ratio	The number of program contains Ratio
Data	The number of program contains Data
Progress	Bar The progress of searching process

Note :
Press Exit to finish Tuning process.

Manual Tuning
Manual Tuning contains Atv Manual Tuning and Dtv Manual Tuning
Atv Manual Tuning :
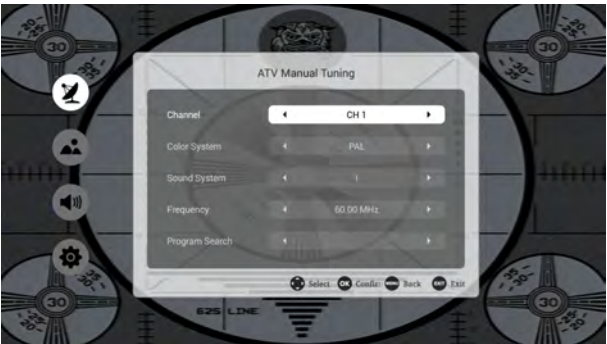
Function Description：

| Item	Adjust Item	Default	Description
Channel	1-100	1	Current channel shows
Color System	PAL,NTSC,SECAM,AUTO	PAL	Program color system
Sound system	I,L,M,N,BG,DK	I	Program sound system
Frequency	40-100mhz		Channel frequency size
Program Search			Start or stop channel search

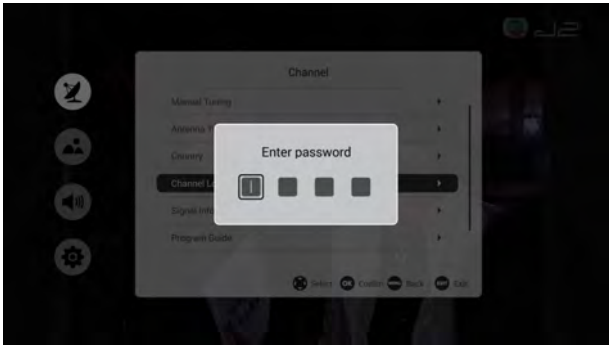DTV Manual Tuning

Antenna Type

Function Description

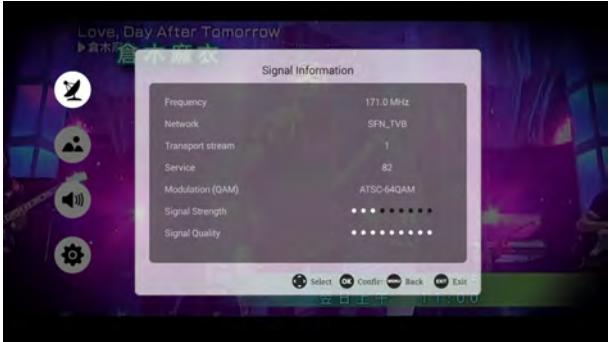| Item	Description
DTMB	Set DTMB format
Cable	Set Cable format

Country(only shows in DTV)
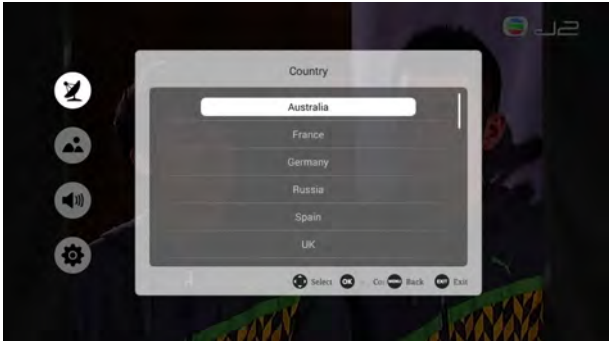
Function Description:
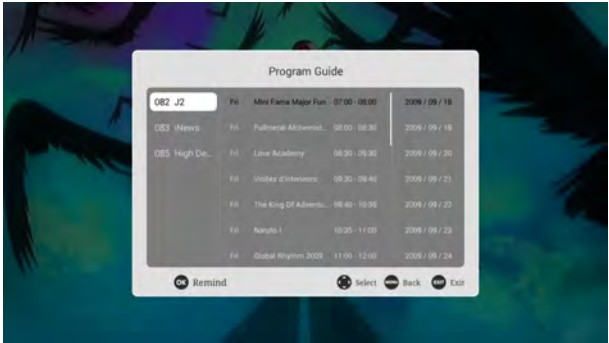Set Tuning Country

Channel Lock(only shows in DTV)

Function Description:
Make the channel locked/unlocked.

Signal Information(only shows in DTV)

Program guide (EPG only shows in DTV)

Function Description:
Program Guide also means EPG(Electronic program guide),it provide all the television
program information in a period time .In this EPG, it has three column: channel ,program in
24hours ,date.You can choose different channel and fifferent date,then you can get the
respond program in due channel due date,which is from 00:00 to 24:00
EPG alse has the function of operating program , which is remind function. press keyOk
in program column ,then you could remind this program in program guide dialog as follow:
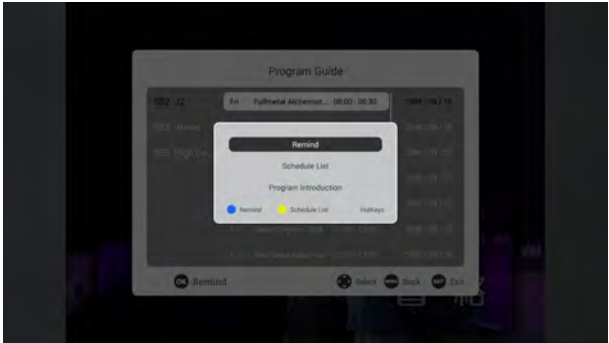
Just press remind ,then at due time ,you could get a remind message at your TV.
Schedule list is a channel list that show the programs which you have remind.
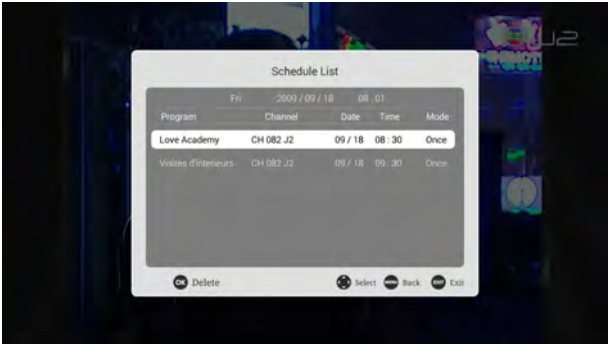
Program Edit

The program Edit shows basic info of all tv program .Press the enter key,the new dialog
provides some tools to set program properties ,such as Favorite ,delete and skip .
Program Edit dialog picture:

Key press Operation introductions

| Key	Range	Description
Favorite	ATV/DTV	Set your favorable channel
Delete	ATV/DTV	Delete the current channel
Skip	ATV/DTV	Choose if skip the current channel when CH+/- channel tuning.

Picture
Picture mode

Function Description:

| Item	Adjust Range	Default	Description
Picture mode	Standard->user->Lightness ->soft->vivid->Natural ->sport	Standard	Change the different picture mode to change the real picture Effect in non user mode

User mode
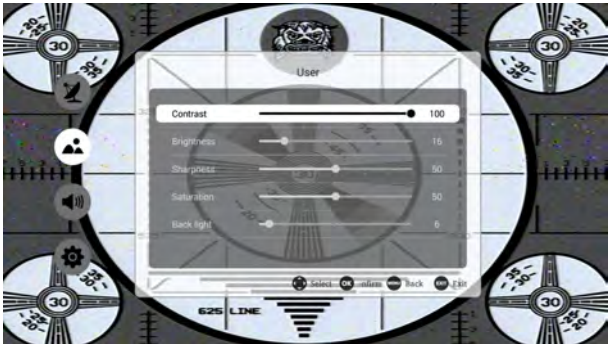
User mode Description:
The page in user mode provide the user to adjust picture parameter to achieve their prefer
image quality.

Item	Description
Contrast	Adjust contrast for user operation
Brightness	Adjust Brightness for user operation
Sharpness	Adjust sharpness for user operation
Saturation	Adjust saturation for user operation
Back light	Adjust Back light for user operation

Color Temperature :
Color Temperature picture;
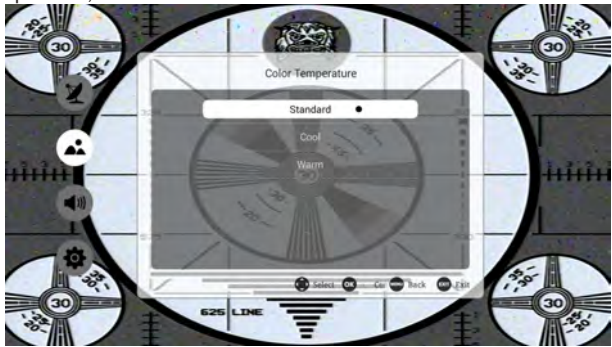
Function Description :
 Like picture mode ,color temperature is also the factor that influence the final image quality.
It provides 3 different color Temperature: Standard ,cool ,warm.
Image Noise Reduction
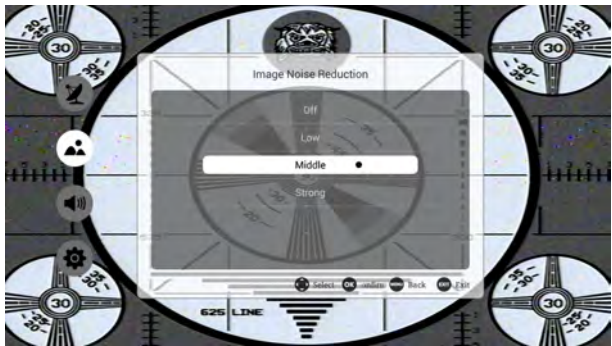
Function Description:
Image Noise Reduction is the Function that reduce image noise and improve picture quality.

Item	Description
OFF	Close Image Noise Reduction Function
Low	Set Image Noise Reduction level low
Middle	Set Image Noise Reduction level middle
Strong	Set Image Noise Reduction level Strong

Zoom mode
Function Instruction

Input source	Panel resolution
ATV/DTV	16:9,4:3,Auto，Zoom1，Zoom2
HDMI	16:9,4:3,Auto，Just Scan，Zoom，Zoom2
VGA	16:9,4:3

Sound
Sound system

Function and Description;

Item	Adjust Range	Default	Description
Sound mode	Standard->user->Music ->Movie->Sports	Standard	Change the different sound mode to change the real sound Effect in non user mode

Sound user mode

Function Description:

Column	Description
Bass	Adjust low sound Effect(0-600HZ)
Treble	Adjust high sound Effect（more 1000HZ）

Operation instruction：
Adjust: LEFT,RIGHT control data size.

Balance
Balance picture

Operation instruction：
Adjust sound balance: LEFT,RIGHT control data size.

AVC/Surround

Function Declaration :
The switch of open or close AVC ,Surround.

SPDIF OUT

Function Description:
SPDIF OUT is make the sound from AV port flows than speaker

PCM	Make the sound out in PC
RAW	MMake the sound out in RAW
OFF	Close the function of SPDIF OUT

Alone
Function Declaration :
Alone means listen only, if you want to just listen the program, choose it and the screen will black.
Note : Press "menu" can cancel Alone state.

Advance
Menu time

Item	Adjust Range	Default	Description
Menu time	5s->10s->15s->20s->30s->Always	5s	Change the menu stay time

Sleep Time

Function Description:

Item	Adjust Range	Default	Description
Sleep time	Off->10Min->20Min->30Min->60Min ->90Min->120Min->180Min->240Min	Off	Change the menu sleep time (if you choose 20 min, then the tv will shut down after 20 min)

Blue Screen

Function Description :
Blue Screen on: set tv background Blue Screen.

Store mode picture.

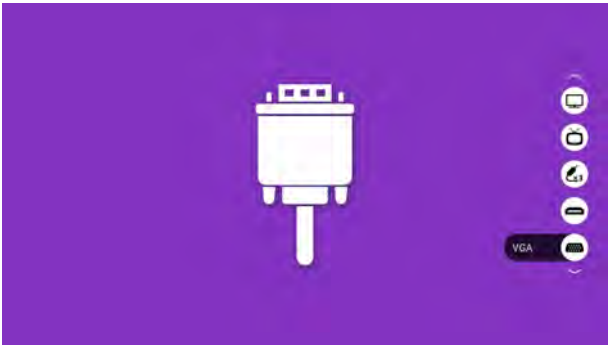Store Mode
Store Mode on : show the store mode picture.

Restore To Default
Restore To Default picture.

Function Description: reset all menu state to default, such as Menu time to default value(5s).

Input source Menu

Function Description:
In TV interface, if you want to change channel, you can press the source key to launch tv source change application to select different channels.
Note:
Press "source"to launch input source menu and then up/down/Ok to select correct Input source.

EPG

Function Description:
It is the same as program Guide interface.

Channelist

Function Instruction:
All tv channel shows in a list menu.

Personal Video Recorder（PVR）
PVR file system
PVR funcition is only available for DTV，includes Record，Timeshift and Playback functio. Recording includes in time record and preserve record. In-time record can be worked through short-cut key immediately, and preserve record nned to preserve before. Record and Playback can be done of the same time, that means record DTV and playing USB equip at the same time. Timeshift is another function for both record and playing together. The follows it would explain in details.
Enter PVR fromCHANNEL menu, as follows:

Function Description:

Item	Description
Select Disk	Choose the disc to store whatever content need record
Speed check	Check usb speed
Format	Storage format
Recode list (shortcuts "index")	The list of record program
Video record(shortcus "Record")	Start record

Speed check: Check storage equipment PVR File System is well established. Default as Start，OK/Enter and Right key to inspect the USB files systerm and speed, the processiong shows Checking…；When no inserting USB，or inspection failed, it shows FAIL；When inserting USB but didn't pass MStar Format，enter Format menu；When inserting USB but inspecting unnormal no partition, it shows No Partition
Format: At Format, press OK/Enter or Right key to start Checking PVR File System，after confirmed USB equip information, it pop out Format Disk menu as follows：
Picture
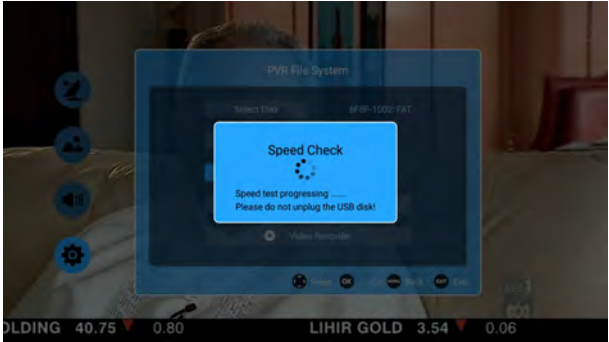
Channel – Recorder List 1） pattern for reference The menu is as follows，

Picture

Menu(shortcut key) Function Description:

Menu	Description
Ascend	Select forward
Sort	Change the order in list based on LAN or time
Delete	Delete program in record list

PVR –Record Mode
simple mode ,

Note:
Simple mode just shows the REC and record time.
all mode

Picture

Note:
All record mode shows REC and Time shift.

Time shift
Function Description

Function Description:
Timeshift menu Timeshift is similar with Record menu, includes two kinds: one is Full Mode and the other is Simple Mode. They can switch by Exit key. At Timeshift mode, Timeshift keeps still.

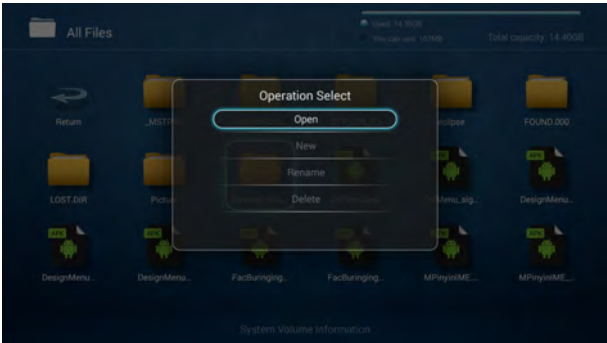| Key	Function
Pause	Start timeshift play
Stop	Stop Timeshift mode
Rev	Return to Timeshift Play condition and previous playing for 30 seconds； If previous to Timeshift recorded content, play it from this place
FF	Return to Timeshift Play condition and next playing for 30 seconds； If previous to Timeshift recorded content, play it from this place
Timeplay	At Timeshift Play condition, the systerm record DTV amd play it at the same time.
Backward	Fast Rewin
Forward	、Fast Forward
A-B	A->B circle signs, when mark A or B, highlight showings, which only show at play condition.
Slow Down	Play slow down

Launcher app

The basic four application in our system is AppManager, Media Center, FileManager , Settings. They are providing the most common function of manager the tv system in launcer, such as file operater, music,application installer or uninstaller.
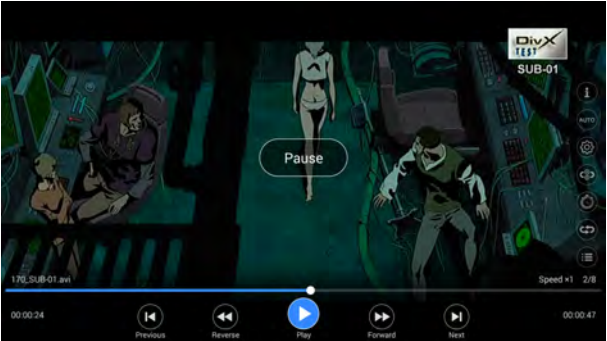

FileManager
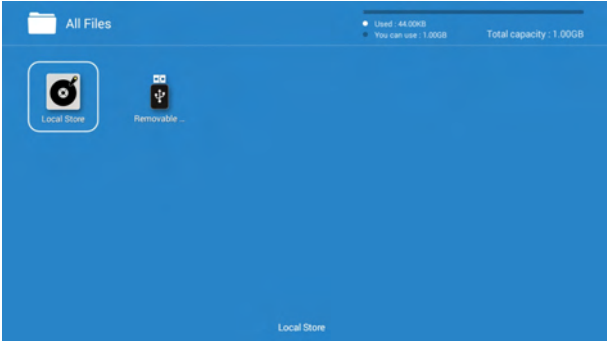
Function Description :The filemanager is used to show and operater all files in local store and USB.You can perform file operations by menu key ,the file operation include delete, copy, paste ,etc.

Media Center

Video in media center

Left Icon picture:

Function Description:

Icon	Name	Descriptions
	Video Informations	Show the information of vedio which is playing, like Filename ,file formation
	Aspect ratio	Adjust video resolution
	Play set	Set breakpoint ,subtitles and track number
	Play back	Set playback on point A Set vedio play in a specift time
	Play mode set	Set sound in single cycle/all cycle/random
	Play list	A playlist show all program

Bottom Icon picture:

Bottom Icon :

Name	Description
Previous	Play last program
Reverse	Play in backward(in different speed)
Play	Stat or stop play video
Forward	Play in forward(in different speed)
Next	Play next program

Music in media center

Function Description:
The function of icon is the same as this icon in video.

Setting

Function Description :

Item	Description
Network	Network setting
Language and input	Set OSD language and input mehtods
Time and date	Set time zone and current time
System	Some system information on tv
Wifi display	Set wifi display on
System Upgrade	System Upgrade
Restore the factory	Reset the seting in default mode
About	About tv in formation

Networksetting
Network status

Function Instructions: Show the net status .

Wired Connection

note:
press "open Ethernet" to open or close wired Connection
wireless connection
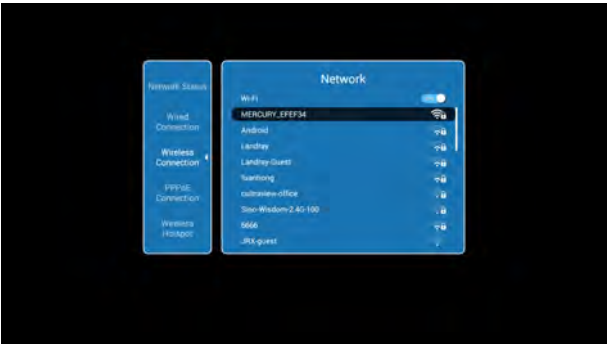
note:
press "wi-fi" to open or close wired Connection.press wifi name,then input the password to link wifi.

PPPoe connection
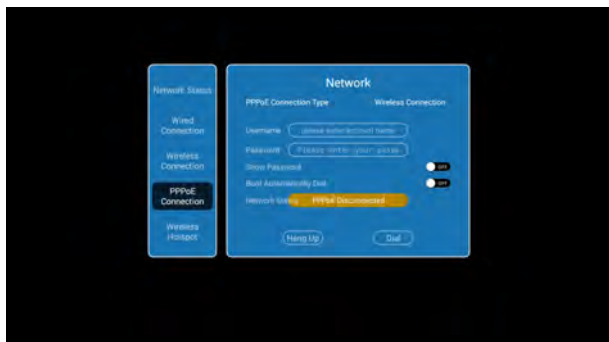
Note:
Input username and password ,the Dial ,you can connect your PPPoe account.
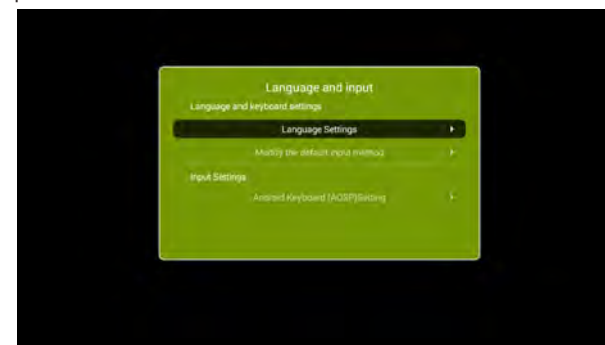
Wireless hotspot
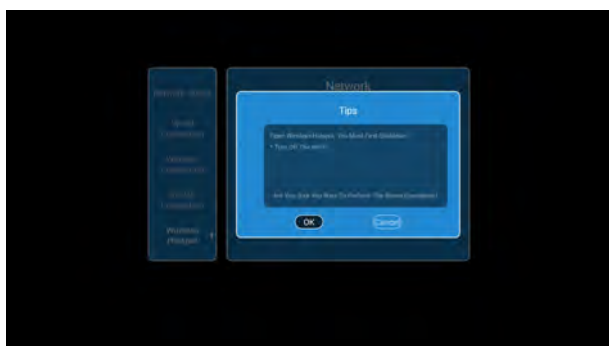
Function description:
Make you tv be a wireless hotspot to be used for other device.
Note:
First, connect a open net, secondly input your ssid and password. finally ,saved it and you can find a ssid in your phone, then you can use it.
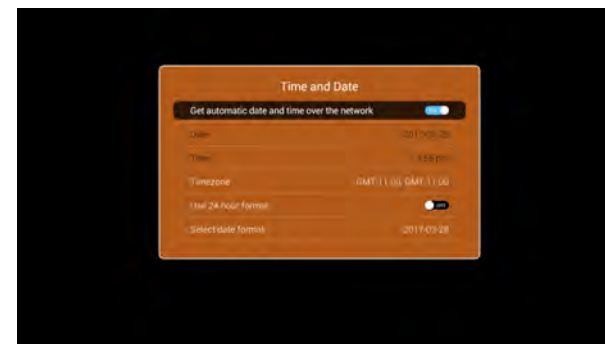
language and input

Function
Operation:
Press Column "Language Setting" to change OSD language
Press Column "Modify the default input method" to change input method

Time and date

Function Description

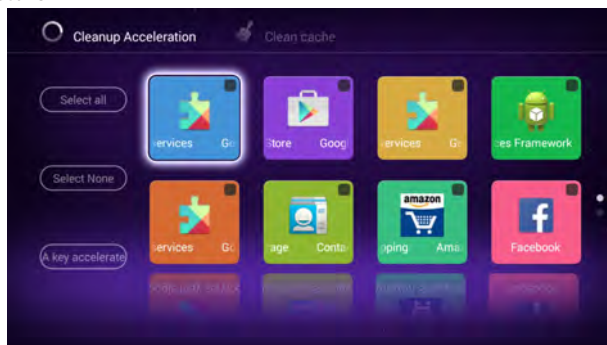| Column	Description
Get time and date over network	ON: Get time and date over network
	OFF:get time and date over tv
Use 24-hour format	ON: Use 24-hour format
	OFF:Use 12-hour format
Select date format	1:Month-Day-Year
	2:Day-Month-Year
	3:Year-Month-Day
TimeZone	Set the Timezone. Enter second menu, use UP,
	DOWN to set time zone:canary GMT ./Lisbn GMT /
	London GMT /Amsterdam GMT+1⋯⋯

System
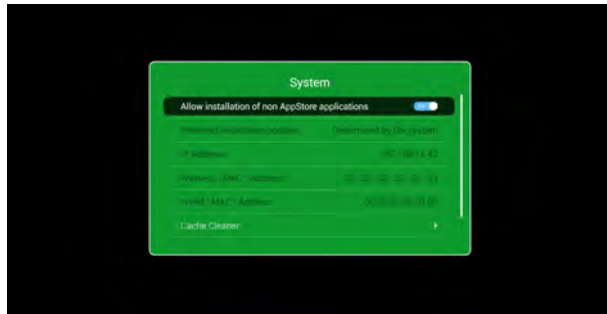
Function Description:

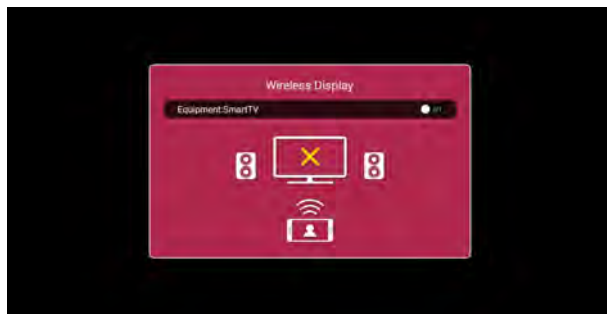| Item	Description
Allow install of non appstore application	ON: Allow install of non appstore application
	OFF:not allow install of non appstore application
Cache cleaner	Clean cache
Google Account Manager	Show Google account information

Cache cleaner picture:

Function Instruction:
Clean cache and accelerate system.
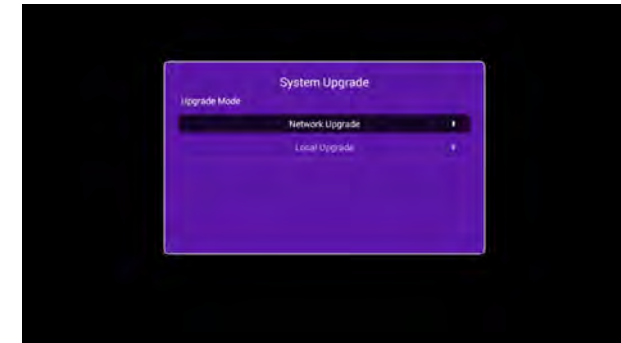
WIFI display

Function Description :
Make you phone image cast down on TV
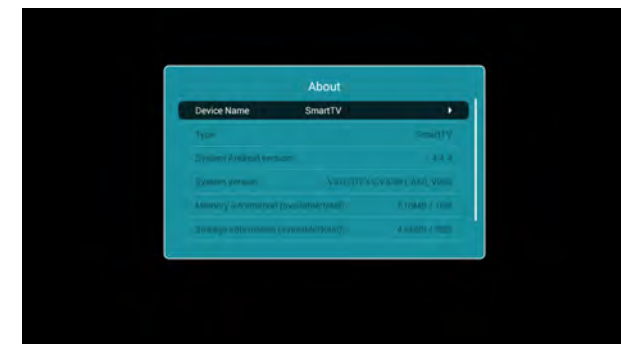Note:
ON: open this function.

System upgrade

Note:
If use Networkupgarde ,you need connect your net first;
Local upgrade，need a upgrade bin in your USB.

Restoring the factory state:

Description:
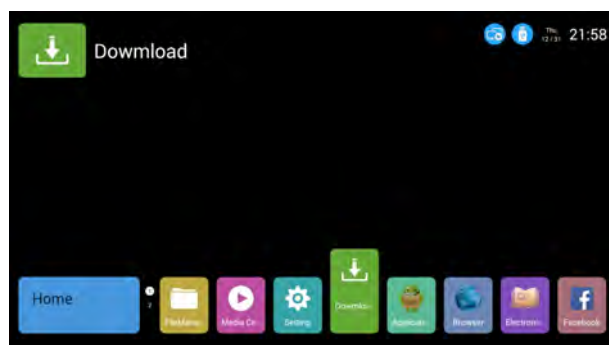Restore factory settings, recovering the stats after leaving factory.

About

Function Description: some information about tv

Item	Description
Device Name	The name of tv device
Type	
System Android version	Android version
System version	Software version
Memory information	
Storage information	
CPU	

Styles
In our new Ui system, we have a new advanced functions. The basic background of Tv can change with time. The tv will change its color when the time go day or night to protect the user's eyes. Following are the night tv and night home.

Troubleshooting

Problem	Possible cause	Possible solution
No picture and sound.	• The power adaptor is not plugged in or not working. • The wrong input source is selected. • The input source has failed to connect with the TV or is not turned on.	• Plug the power adaptor into a suitable outlet. Try both the 12/24V & 240V adaptors • Select the correct input source. • Make sure the input source is correctly connected and turned on.
No sound.	• The volume control is set to minimum. • The mute ⊠ button on the remote control has been pressed • An incorrect sound system mode is set.	• Press the ⊿ button to increase the volume. • Press ⊠ or the (or ⊿) button to restore/increase the volume. • Set a correct sound system mode from the main menu to match your TV source.
No picture, or monochrome picture only.	• The colour system setting does not match the program. • The sound system setting does not match the program.	• Select the appropriate colour system setting. • Select the appropriate sound system setting. (If unsure, use Auto settings where available).
Sound or picture interference.	• Some equipment that causes interference is close to the TV. • More than one device is plugged into the same power outlet. • An incorrect sound system mode is set.	• Keep interference-causing equipment away from the TV. • Plug the power adaptor into another, separate power outlet. • Set a correct sound system mode from the main menu to match your TV source.
PVR recording failed, or "DISK NOT READY" is displayed.	• You may not have removed your USB device after the last recording, which is necessary to protect the device from damage.	• Remove the USB device after each recording if you experience recording problems. If "DISK NOT READY" is displayed, remove the device, reconnect and then proceed with your recording.

Problem	Possible cause	Possible solution
DTV Picture Pixelation	• Poor Signal	• Adjust the position or orientation of the TV antenna. • Check the antenna connection from the wall plate to the TV. • Try re-tuning the channels as the channel frequencies may be different in some areas.