

GI FLY

Digital Satellite HD

Multimedia Android STB

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Safety Rules

1. Please do read user manual before you operate this machine.
2. Please don't open the case of the machine by yourself in case of electric shock and damage to the machine, unless you are professional.
3. Please keep the machine power off when not working, don't use damaged power line.
4. Don't touch the power line with wet hands. When liquid permeated in the box by accidental, please shut down power immediately, at the same time get contact with our after sale service to repair it.
5. Please keep the machine away from heat source, a ventilate place will better.
6. Please keep the machine in horizontal.
7. When move machine into another place where the temperature varies a lot, please don't turn on at once until 1-2 hours later.
8. Please pay attention to putting the machine in certain place that should be: ventilate appropriate temperature; avoiding under sunshine, water penetrating and severe vibrating.
9. Please don't put heavy stuff onto the machine.
10. Please don't make water splash on the machine, and put the container filled with water away from this machine, e.g. vase, wine, drinks.
11. When the main plug or appliance connector are detachable device, please keep it under easy operate situation

NOTE! The guarantee service won't be supported upon the STBs with not recommended SW or its modifications. The recommended SW you can find on supplier's web-site <http://galaxy-innovations.com>

Notice: The USB electrostatic discharge is C Level, when electrostatic discharge, it may lead USB storage device can't work properly. If so, you need to pull out USB device or reboot the machine.

1. Summarization

1.1 Preface:

Thanks for choosing our Android TV box.

This Android TV BOX is based on Android 4.0 version, with CPU A9-1GHz and GPU Mail-400 that can fluently run all Android 2D/3D application. Fully support HD H.264 decoding and HDMI high definition digital video output, giving you the cinema-class audio and visual enjoyment. This Android TV BOX also enables you easy to use user interface to surf the internet and experience a variety of Android software application.

This user manual will give you specific guidance on installation, use, and maintenance. To ensure you can fully enjoy every feature of this machine, please read this manual carefully before using.

Disclaimer: The company reserves the right to improve the content. If there has discrepancy between pictures and text, please subject to the final in-kind operation.

1.2 Main Features

Android 4.0, DVB-S2 STB

Support MPEG2、H.264、

AVS Full 1080P HD Decode

Fully compliant HD DVB-S2 standard

Support USB 2.0

Support HDMI 1.4、CVBS Output

Support HTML5, HLS

Support EPG、Subtitle、Teletext、Time shift、Playback

Support Whole Satellite Channel Search

Support PVR into outside storage device through USB

Support Youtube、Youku, etc.

Support Skype、QQ、MSN, etc.

Support multi-screen interactive function with DLNA and Airplay protocols

Support airmouse, game handle and voice recognition control

XBMC multimedia center

2. Hardware

2.1 Front panel



STANDBY: Standby Button

INDICATOR: Run:Green; Standby:Red

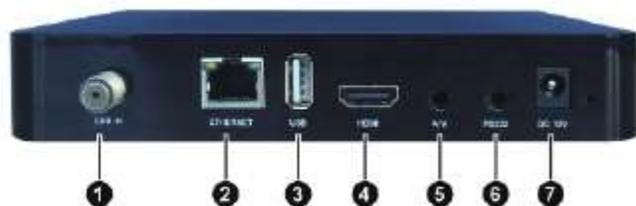
2.2 Side panel



❶ **SD CARD**: SD Card Slot

❷ **USB**: USB Slot

2.3 Rear panel



❶ **LNB IN**: Signal Input

❷ **ETHERNET**: Ethernet Slot

❸ **USB**: USB Slot

❹ **HDMI**: HDMI Output

❺ **AV**: AV Output

❻ **RS 232**: Serial Port

❼ **DC 12V**: DC 12V Input

2.4 Remote Control

1.Power/Standby key

2.Mute key

3.Their functions depend on certain application

4.Pause key

5.Stop key

6.Fast backward /Fast forward

7.Record key

8.V.RATIO: video aspect ratio settings

9.PVR: Access to recorded content in USB storage device

10.Recall key: Back to the last program

11.SUBT: Switch/turn off subtitle

12.AUDIO: Audio settings

13.TEXT: Teletext

14.SAT: Their functions depend on certain application

15.MENU: Menu shortcut key

16.EXIT: Exit key

17.Left and right key

18.Up and down direction key

19.OK: Confirm key

20.EPG: Electronic program guide

21.INFO: Display the information of current program

22.VOL+/-: Volume +/-

23.HOME: HOME shortcut key

24.FAV: Favourite program

25.PAGE +/-: page up/ down

26.0~9: Numeric Key

27.TV/RATIO: switch between TV and Ratio

28.Delete key



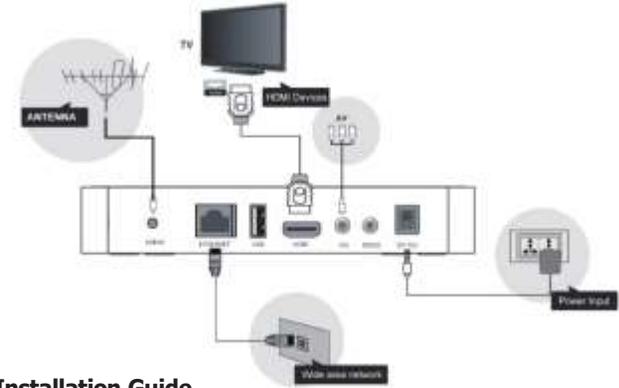
2.5 Air Mouse

- 1.Power/Standby Button
- 2.Volume +/- Button
- 3.Direction Button
- 4.Mouse Left Click Button
- 5.Exit Button
- 6.Menu Button
- 7.Home Button
- 8.Satellite Button
- 9.Electronic Program Guide Button
- 10.TV/Radio Switch Button
- 11.XBMC Button: Launch XBMC Application



3.System Connection

Please connect with your power, TV set, and other related devices according to the picture shows below, if you need to connect with more devices, please contact with your local operator.



4.Quick Installation Guide

Step 1 : Check system connection

Please make sure antenna, TV, STB connected correctly, you can take a reference on system connection picture.

Step 2 : Switch TV into Video Status

Make sure all the port in rear panel connect properly, turn on the TV, and switch the TV into Video Status.

Step 3 : Plug the power line of Android box, turn on the box.

After power line connected, press POWER button to power on the BOX, the indicator LED light in front of panel will on.

Step 4 : Standby and Standby Recovery

When machines in turned on ,press standby button ,machine will in standby mode ,and Standby indicator light will on, the box will in low power consumption status .Press standby button again will end standby mode and recover to normal working mode .

Step 5 : Power off

After powered off, please pull up the power line.

Note: All features can be achieved through your remote control buttons, also you can achieve parts of functions through the buttons in front panel of the box, if you have difficulty on using this unit, please refer to the instructions in the relevant chapters. If you still can not resolve the problems encountered, please contact the operator to find a solution.

5.Functions

This Android TV box is based on Android 4.0 operating system of smart phone, aiming at providing full variety of Internet applications, keeping your family in heart full of enjoyment on widescreen beyond which smart phone can bring to you.

5.1 Starting Up Guidance

When first booting or after upgrading the system, it will enter a simple setting up interface which guides users to some basic settings of system in order to facilitate the use of in the future.



Figure 5-1-1

In this guidance, you can setup the system language, the region, country, city and time-zone of your place. Besides, you can set the display position to adjust the video output with your TV Set. What's more, you can setup the configuration of the network.

You can choose to install the XBMC in the guidance.



Figure 5-1-2

5.2 TV Interface

After setting up boot guidance interface, it will enter into the full-screen broadcasting TV program interface, as shown in figure 5-2-1:



Figure 5-2-1

5.2.1 Main UI and EPG

1. Press **【MENU】**, skip to main interface. Press **【EXIT】** or **【MENU】** to return to televisive interface, The main UI as shown in figure 5-2-2:



Figure 5-2-2

2. On televisive interface, press **【EPG】**, jump to EPG interface, then press **【EXIT】**, return to televisive interface. EPG interface is shown in figure 5-2-3:



Figure 5-2-3

5.2.2 Switch Channel

1. Press **【OK】** or **【FAV】**, program list pops up. Press **【▲/▼】** to switch channel. Press **【OK】** to enter into the channel.
2. Press **【CH +/-】** to switch channel.
3. Press numeric keys to skip to the corresponding channel.
4. Switch channel on EPG interface. (Please refer to the EPG function for detailed information)

5.2.3 Program List

1. Press **【OK】** or **【FAV】**, program list pops up.
2. Press **【◀ ▶】** to view TV program list or all the program lists.
3. Press **【▲ ▼】** to select the program on the list.
- Press **【OK】** to enter in the selected program.



Figure 5-2-4

4. If you are using the air mouse, click the left part of the screen to call the program list, click the right part of the screen to call the favorite program list, click the bottom part of the screen to call the information bar and click the top part of the screen to call the function panel.
5. If you are using the air mouse, most icons of the remote control buttons which are showing on screen can be clicked by air mouse. This is also available on the other UI.

5.2.4 Program Search

1. Press **【OK】** or **【FAV】**, program list pops up.
2. Press **【RED】** key to search the program, as shown in figure 5-2-5:



Figure 5-2-5

3. Input key words or letters into input field, matched programs will appear below. Choose your demanded program in the search results, press **【OK】** to enter in. As shown in figure 5-2-6:



5.2.5 Volume

1. Press **【VOL+/-】** to adjust the volume. Above the screen will display the volume progress bar.
2. Press **【MUTE】** to turn off the sound. Press **【MUTE】** again to turn on.



Figure 5-2-7

5.2.6 Parent Lock

This function is to encrypt programs. (For encryption steps, please refer to the program editing and parent lock settings section). Only by inputting correct password can play the encrypted programs.



Figure 5-2-8

5.2.7 Audio Settings

1. Press **【AUDIO】**, the audio setting menu pops up, press **【▲▼】** to choose language or sound track, then press **【OK】**.



Figure 5-2-9

2. When setting up sound track, press **【▲▼】** to select track types and **【OK】** to confirm. Press **【EXIT】** to quit setting without saving.



Figure 5-2-10

3. When setting up language, press **【▲▼】** to select and **【OK】** to confirm. Press **【EXIT】** to quit setting without saving.



Figure 5-2-11

5.2.8 Video Aspect Ratio

1. Press **【V.RATIO】**, the video aspect ratio setting menu pops up .
 2. Press **【▲▼】** to aspect ratio types.
 3. Press **【OK】** to confirm; press **【EXIT】** to quit setting without saving.



Figure 5-2-12

5.2.9 Program Info

1. Press **【INFO】**, program info pops up.
 2. When switching channel, program info pops up. The info includes the current playing program info and next two programs info of the channel.



Figure 5-2-13

If there is no info, it will show as:



Figure 5-2-14

5.3 Main UI

Under televising state, press **【MENU】**, then the main UI will pops up as in figure 5-3-1:



Figure 5-3-1

There are three parts:

- ①Time: show the current time and date.
- ②Televising contractible window: press **【EXIT】** to back to the full-screen televising state.
- ③Main menu: on the bottom of main UI, as shown in 5-3-2. There are six options: TV, Internet, Multimedia, Applications, Games and Settings. By pressing **【←▶】**, you can select the between the options. Each option has several son options. Press **【←▶】** and **【OK】** to enter into the chosen son option. Press **【EXIT】** to return to televising interface.



Figure 5-3-2

5.3.1 Program Management

1. Press **【←▶】** to move the cursor to "TV" option.
2. Press **【▼】**, and **【←▶】** to select between son options of "Program Edit", "Program Search", "EPG", "PVR", "Manual Search", and "TV Settings".
3. Press **【OK】** to enter in.



Figure 5-3-3

❖ Program Search

Click into program search, then the auto search interface pops up as shown in figure 5-3-4 below. The satellite list lies left and antenna settings lies right.



Figure 5-3-4

- 1) Press **▲/▼** to choose satellite.
- 2) Press **▶** to jump to the satellite frequency point list.



Figure 5-3-5

- 3) According to the caption below, **RED**, **GREEN**, **YELLOW** and **BLUE** keys separately present ADD, EDIT, DELETE and SEARCH functions. When pressing **RED**, the following figure pops up.



Figure 5-3-6

- 4) At antenna configuration interface, press **▲/▼** to choose option need to be set up; press **▶/◀** to change the parameters; press **EXIT** to turn back.



Figure 5-3-7

- 5) According to the caption below, at theselected frequency point, pressing **BLUE** key means searching the programs at the point, while at selected satellite, pressing **BLUE** key means searching programs at all the satellitic frequency points. A hint window will appear to guide the types to be searched, including TV, Radio, free channel and whole channel. As shown in figure 5-3-8



Figure 5-3-8

- 6) Press **OK** to enter into search progress interface shown in figure 5-3-9. Click the program below to enter into the televising interface



Figure 5-3-9

◆ Program Edit

Program edit function includes lock, favourite, sequencing, move and delete.

◆ Program lock and FAV

- 1) Move the cursor to "Program Edit" option, press **OK** to confirm into. It reminds you to input password. When first entering, the user can set up an initial password. If you want to change the password, please refer to the parent lock settings part.

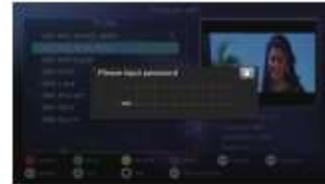


Figure 5-3-10

- 2) After inputing the correct password, press **OK** to enter the program editor interface, as shown in figure 5-3-11:



Figure 5-3-11

- 3) Press **▲/▼** to move the cursor to the program to be edited. Then press **RED** and editing options pop up as shown in the figure 5-3-12.



Figure 5-3-12

- 4) Choose "favourite" will pop a list of the favourite groups and press **OK** to choose a group that you want which group that the program belongs to, then the program is highlighted. While choosing "lock", the program is locked with mark. If selecting "favorite" and "lock" at the same time, the program is both locked and set to be favorite program. (Note: When you want to watch the locked programs, you need to input the password same to the one settled.)
- 5) Directly pressing **YELLOW** key can also set programs to be locked. Similarly, pressing **FAV** key can set the programs to be favourite.

◆ Program Move

Press **▲/▼** to move cursor to the program; press **GREEN** to choose. Then press **▲/▼** to move the program to the desired place. Press **EXIT** to quit without saving.

◆ EPG

The box provides 7 days EPG, convenient for you to get the details of all the programs from Monday to Sunday.

- 1) Press **EPG** to enter into EPG main menu as figure 5-3-13:



Figure 5-3-13

- Small televising window: There is a movable window to broadcast the selected program on EPG menu.
 - Select program: Press **▲/▼** to select program
 - EPG info: Press **▲/▼/◀/▶** to see the EPG info of each time.
 - Time and date: Press **RED** and **GREEN** to adjust the time and date.
- 2) In EPG interface, press **▲/▼/◀/▶** to get the program info; press **OK** to operate the current program.

- 3) You can also add task for playing or recording for the selected program.
- 4) On EPG interface, press **【EXIT】** to back to the last interface

❖ PVR

This machine offers convenient PVR program recording function. You can press **【PVR】** key or select "PVR" on the main menu to jump to PVR interface.

- 1) **Time shift:** Press **【PAUSE】** to suspend the real-time broadcasting program. Press **【PAUSE】** again to replay from the stopped point. Press **【STOP】** to recover real-time televising and stop time shift function. By pressing **【FF】** and **【FB】** can realize forward and backward functions in time shift.

2) Recording function :

- Press **【PVR】** or select "PVR" on the main menu to jump to PVR interface. The recorded program can be checked in play list.



Figure 5-3-14

By pressing **【▲/▼, ◀/▶】** and **【OK】** to play or delete the recorded program.

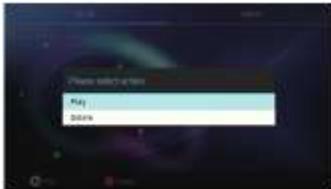


Figure 5-3-15

- In task list, press **【▲ ▼ ◀ ▶】** and **【OK】** to play or delete the task.



Figure 5-3-16

- In "Schedule", press **【▲ ▼ ◀ ▶】** and **【OK】** to edit the attribute.



Figure 5-3-17

❖ TV Setup

Press **【▲/▼, ◀/▶】** and **【OK】** to enter in "DTV Settings". As shown in the following picture.



Figure 5-3-18

Detailed setting methods will be explained as follows.

1) General Settings

Press **【▶】** and **【OK】** to enter in son option setting.

- Region:

Press **【▲/▼】** and **【OK】** to select the region. Press **【EXIT】** to quit without saving.



Figure 5-3-19

- Time Zone:

Press **【▲/▼】** and **【OK】** to select the time zone.

Press **【EXIT】** to quit without saving.



Figure 5-3-20 Figure 5-3-23

- Daylight Saving Time(DST): 3) Video & Audio

Press **【▲/▼】** and **【OK】** to enter in DST option. Press **【EXIT】** to quit without saving. settings.

- Programs sort:

Use up ,down button to sort programs, press **【OK】** button to confirm. Press **【EXIT】** to quit without saving.



Figure 5-3-21 Press **【 / 】** and **【OK】**

- Clock background:

Press **【▲/▼】** and **【OK】** to select the clock background.

Press **【EXIT】** to quit without saving.

2) Parent Lock

① Setting password can lock program and realize program edit function.

② Press **【▲/▼】** and **【OK】** buttons to set a new password or parent lock grade. Press **【EXIT】** to quit without saving.



Figure 5-3-22



Press **【 / ▲】** and **【▶】** to enter in Video & Audio

- Programs sort:

Use up ,down button to sort programs, press **【OK】** button to confirm. Press **【EXIT】** to quit without saving.



Figure 5-3-24

- Video aspect ratio:

in video aspect ratio setting. Press **【▲/▼】** and **【OK】** to choose the 4:3, 16:9 or auto ratios.

Press **【EXIT】** to quit without saving.



Figure 5-3-25

● Audio track:

Press [▲/▼] and [OK] or [AUDIO] to enter in audio track setting, as shown in picture 5-3-25. Audio track can be adjusted to stereo, left track, right track and mixed sound. Press [▲/▼] and [OK] to confirm. Press [EXIT] to quit without saving.



Figure 5-3-26

4) Record Settings

On TV settings interface, press [▲/▼] and [OK] to enter in record settings .



Figure 5-3-27

- Recorded file save path:
Set the position of recorded files.
- Divide record by EPG event:
Open or close Divide record by EPG event function.

5) Schedule Settings

- Remind before schedule start:

This function is mainly to remind users of scheduled operation of program in advance and whether to schedule the programs or not. Press [▲/▼] and [OK] to confirm the option. Press [EXIT] to quit without saving. As shown in picture 5-3-28.



Figure 5-3-28

- Default schedule record duration:

Schedule record duration is mainly to set the length of program record time. Press [▲/▼] and [OK] to confirm the option. Press [EXIT] to quit without saving. As shown in picture 5-3-29.



Figure 5-3-29

6) Import satellite

This function can import satellite info in external equipment into existed satellite list. Press [OK] button to enter "Import Satellite" interface, as shown in picture 5-3-30.



Figure 5-3-30

7) Factory Default

It is a simple factory resetting function, just restoring DTV related information, and not deleting users' application and files. Press [OK] button to enter in factory resetting, as shown in picture 5-3-31.



Figure 5-3-31

After factory default, input password to enter "Boot guidance settings" interface, reset language, region and parent lock according to prompting. Return to TV settings interface after finish setting.

5.3.2 Internet

In the main menu, Internet option has four son options of "Browser", "Email", "YouTube" and "Facebook" as shown in figure 5-3-32. Press [▲/▼/◀▶] to move the cursor to the son option; press [OK] to enter in.



Figure 5-3-32

- ❖ **Browser** : IE Browser, connecting Google by default. If you want to log in other website, please use remote control or fly mouse to input the website address you want, for detailed information please take a reference on Internet Function part.

- ❖ **Email**: Build-in email software, send and receive emails at any time. Input correct Email address and password, click NEXT and log in.
- ❖ **YouTube** : Online video website.
- ❖ **Facebook** : Famous social contact website.

5.3.3 Multimedia

Multimedia includes video, music, picture and file browser as shown in figure 5-3-33. Press [▲/▼/◀▶] and [OK] to enter in.



Figure 5-3-33

- ❖ **Video player**: Play all the videos from storage device, including SD card, USB, etc, support various mode of AVI、WMV、MPEG.
- ❖ **Music player**: Support various formats of music, play your favorite song at any time.
- ❖ **Picture browser**: Clear picture browsing modes help you browse local pictures quickly.
- ❖ **File browser**: Manage the files in built-in SD card and outside storage device. Below is the file browser interface.

5.3.4 More Applications

More Applications are mainly divided into "Application" and "Applied installation" . Use [▲/▼/◀▶] or fly mouse to move cursor to sub menu, press [OK] button to enter in. As picture 5-3-34 shows:

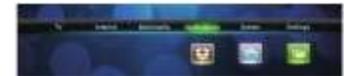


Figure 5-3-34

- ❖ **Application**: Please refer to the application function in 5.4 part.
- ❖ **Application installation**: Please refer to the application function in 5.4 part.

5.3.5 Games

Games includes the well-known "Fruit Ninja" and "Angry Birds". Press [▲/▼、◀/▶] and [OK] to enter in. As picture 5-3-35 shows:



Figure 5-3-35

Using Air Mouse RCU you may easily manage the OSD game interface. You have only to use central OK button and your own hand movement as this RCU has integrated movement sensor. "Fruit Ninja" – the aim of the game is to chaff as many fruits as possible.



"Angry Birds". The player has to shoot from slingshot by birds to shatter different fortifications. Game management: Press and keep [OK] button to activate the slingshot.



5.3.6. System Setup

Press [▲/▼、◀/▶] and [OK] to enter in sub Press [/ 、 / ▲] and [OK] to enter in "System menu of "Settings", seeing picture 5-3-36. Setup". Then you can use the same way to enter in from main UI.



Figure 5-3-36

❖ System Setup: Please refer to the System Setup of 5.5 part.

5.4 Application Function

Press [▲/▼、◀/▶] and [OK] to enter in application interface as shown in picture 5-4-1.



Figure 5-4-1

- ❖ IE Browser, connecting Google by default. If you want to log in other website, please use remote control or fly mouse to type the website address you want, for detailed information please take a reference on Internet Function part.
- ❖ Email: Build-in email software, send and receive emails at any time. Input right correct account number and password, click NEXT, set up mailbox and log in.

- ❖ Video player: Play all the videos from storage device, including SD card, USB, etc, support various mode of AVI、WMV、MPEG.
- ❖ Music player: Support various pattern of music, play your favorite song at any time.
- ❖ Picture browser: Clear picture browsing modes help you browse local pictures quickly.
- ❖ Installation: Read the installation file from the storage device, click to install the software you want.

5.5 System Setup



Figure 5-5-1

Detailed setting method will be explained as following.

5.5.1 Wireless & Internet

Press [▲/▼、◀/▶] and [OK] to enter in "Settings", seeing picture 5-5-2:



Figure 5-5-2

- ❖ Wi-Fi: Turn on or turn off WLAN function Choose upper right "BLUE" button, then press [OK] button. WIFI is open when it shows "ON".

❖ Wi-Fi Setting: Setup and manage wireless access point.

System will auto search Wi-Fi Internet when Wi-Fi is open and display the result on Interface. If no internet is searched, you can add WLAN access point by hand.

❖ Adding WLAN access point by hand:

Following options are in Wi-Fi list:

❖ Scanning: Automatically scan WIFI wireless internet

❖ Add network: Press [OK] button, the dialog box pops up, as shown in picture 5-5-3:



Figure 5-5-3

Advanced setup Interface is as below:

❖ Choose Static state IP: Choose whether to use Static state IP mode.

If choose static state IP mode, the IP address, Gateway, Netmask and DNS become available, you need to setup this parameter correctly. If not, all these settings are invalid.

Use IR remote control to choose static state IP, press [OK] button to enter in.

5.5.2 Ethernet Settings

- ❖ Ethernet: Click this option, press [OK] button to turn on or off Ethernet.
- ❖ Ethernet configuration: Set Internet IP and other parameters.

Click this option, entering Ethernet configuration interface. Like picture 5-5-4 shows:



Figure 5-5-4

In the interface of Ethernet configuration :

- ◆ **Ethernet Equipment:** Currently can be applied Ethernet equipment "eth0" acquiescently.
- ◆ **Connecting mode:**
 - 1) DHCP Mode: Auto obtain IP address mode.
 - 2) Static state IP: Static IP mode
 When choose Static state IP mode, you need to setup all IP parameters correctly and save it.

5.5.3 Sound Setup

Press **【OK】** button to enter in "Sound".



Figure 5-5-5

- ◆ **Volume:** Set the system volume;
- ◆ **Sound Output Mode:** Choose PCM or RAW model.

5.5.4 Display Setup

Press **【OK】** to enter in "Display".



Figure 5-5-6

- ◆ **Wallpaper:** Set the system wallpaper
- ◆ **Output mode:** Set TV output mode, including 720p, 1080p, etc.
- ◆ **Display position:** Set TV representation rate to adjust screen size.
- ◆ **Font Size:** Set system font size.

5.5.5 SD Card and Storage Device

Show SD card and storage device and internal memory information, and operations of unloading, Installation and formatting.



Figure 5-5-7

Note: Please unload it safely before formatting Hard Disk.

5.5.6 Applications

Choose "Apps" and press **【OK】** to enter in, like Picture 5-5-8 shows:



Figure 5-5-8

- ◆ **Downloaded:** Display users' personal downloaded and installed applications
- ◆ **Running :** Examine currently running service, visit and manage the service.

5.5.7 Personal Settings

Personal settings include Account & Synchronization, LBS, Safety, Language & Input, Backup & Reset, as shown in picture 5-5-9.



Figure 5-5-9

- ◆ **Account & Synchronize:** All kinds of accounts can be added, including Google, Skype, Twitter and so on, realizing the synchronization of data
- ◆ **Location Based Services:** Set whether to open Google's location service or not
- ◆ **Safety:** Set password visible, equipment control, application installation, etc.
- ◆ **Language & Input:** Set system language and default input method.
- ◆ **Backup & Reset:** Back up data and restore factory setting.

5.5.8 System Update

1. Insert the SD card or U-disk that store upgrading files.

2. Choose Setting ->system setting->system upgrading into the system upgrading interface, see as picture 5-5-10.



Figure 5-5-3

3. Click the right upgrading among all listed upgrade packages, then a confirmation dialogue pops up , as shown in picture 5-5-11:



Figure 5-5-11

4. Click "OK" to upgrade. system will reboot then into the uploading interface, as picture 5-5-12:

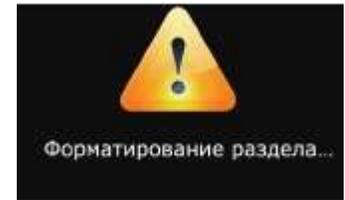


Figure 5-5-12

5. The machine starts to clear FLASH and showing completely loading the upgrade files, see as picture 5-5-13.

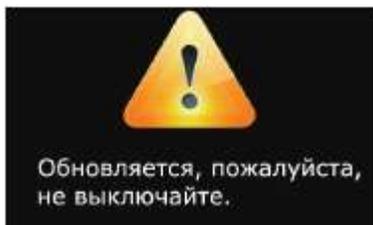


Figure 5-5-13

completes.

Note: Do not power off when in process of upgrading

6. System will automatically reboot and the new system start to running after the whole upgrading

6. Technical Parameter

Features:	Standard
Android 4.0 System	YES
Support local multimedia playing	YES
Support HMTL5 or RTSP video and audio playing	YES
Support hardware accelerating OpenGL2.0	YES
Support Android 2D/3D games	YES
Support video formats: mpeg、avi、mov、mp4、rm、rmvb、mp3	YES
Support picture formats: jpeg、bmp、png、gif	YES
Resolution 720P, 1080P	YES
Support Multilanguage English, Chinese, Spanish, Polish, Portuguese, Persian	YES
Support USB 2.0 interface x3	YES
Support updating by USB device or SD card.	YES
Support USB HDD and SD card devices (FAT32、NTFS)	YES
Support IR remote control	YES
Support USB wireless keyboard and mouse	YES
Support USB WIFI Dongle	YES
Support built-in WIFI	YES
Support HDMI output	YES
Support HD DVB-S2	YES
Support USB PVR	YES
Support 7 days EPG	YES
Support timing playing	YES
Support program playback	YES
Video Decoding	Standard
Support MPEG-1/2/4 ASP、DivX 3/4/5、XviD、H.264 (1920x1080p @ 30fps)、VC-1、WMV、H.263 video formats	YES

Support 4:3 and 16:9 screen ratio	YES
Audio Decoding	Standard
Support MPEG 1/2/2.5, Audio Layer 1/2/3, WMA Version 4, 4.1, 7, 8, 9, WMA Pro, PCM, Vorbis, Flac, ALAC, APE, AAC-LC, AAC-HE, AC-3, DTS, Real Audio formats	YES
Sample rate: 8~48KHz	YES
Tuner parameter	Standard
Tuner Model: AV2012+AVLINK 6211	YES
Fully compliant with HD DVB-S2 standard	YES
Reception frequency range: (MHZ): 950 ~ 2150MHz	YES
RF input (dBm): -65dBm ~ -25dBm	YES
Input impedance: 75Ω	YES
Main Board	Standard
SOC: Amlogic 8726 M3	YES
CPU: ARMA9 1GHz	YES
GPU: MAIL-400	YES
DDRIII Memory: DDR3 1G	YES
Flash Memory: MLC 4GB	YES

7. Abnormal phenomenon and ruled out

Fault Phenomenon	Possible reason	Solution
After start, without any display	The power cord didn't connect or socket without electricity	Connected power plug, ensure normal voltage electrical outlet
No Voice and Images	Play box in standby mode	Please press the POWER button of the RCU switch to the operation condition
Channel selection, showing no signal	Wrong signal connection	Please re-connect signal refer to the system connection
	Television station has no signal	Please try later when having signal
TV with Voice without Images	Video line goes off	Please re-connect the video cables
TV images without Voice	Audio wire has no connection	Re-connect the Audio lines
	Play Box in quiet state	Please press mute button to restore volume
	Audio setting is abnormal	Please enter the audio and video Settings menu, select the appropriate sound channel and language
	Volume, down to minimum	Up the volume

Consistent Voice with content	Inconsistent Track	Please setting in the audio and video Settings menu, select sound channel
Images pause Or Mosaic phenomenon	The network speed not enough or unstable	Contact to network operator
Controller failure	RCU not aimed the receiving head of the front penal	Please aim at the front's 'SENSOR', then try again
	Shortage power of Remote control batteries	Please change the batteries
	Remote control is possibly damaged	Please send it to the local maintenance station for checking

8.Glossary

HDMI	High Definition Multimedia Interface
EPG	Electronic Program Guide
MHz	Frequency unit
RF	Radio Frequency (It is also called HF in some countries)
Standby	STB no longer plays program or outputs any video and audio signals, also don't accept command of any key except on/off button.
Parent Lock	Allow parents to lock programs unfavourable to children
Set-top-box (STB)	A kind of equipment that can decode and tune digital signal, and turn these signals into formats TV can accept. In addition to decoding signal, it can also verify viewers' access rights.
Smart Card	A kind of card contains integrated electronic circuit. It can provide you with all kinds of service together with set-top box.
Encrypted Programs	Some TV or music are encrypted. You need smart card to watch or listen to them.

Appendix: Accessories

- ❖ STB×1
- ❖ Adapter ×1
- ❖ HDMI Cable ×1
- ❖ RCU×1
- ❖ Battery×2
- ❖ Air mouse ×1
- ❖ User Manual×1
- ❖ Warranty Card×1