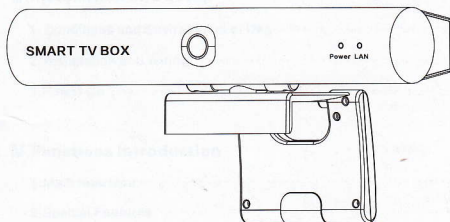# SMART TV BOX
Operating Instructions

Before using this product please read carefully

Directory

Safety Precautions

Carefully read the instructions
Open the packaging of this machine, please carefully read the user manual, comply with all safety and operating instructions, and safekeeping it for future use.

Warning of the safe use
The machine use the android operating system, please power off with the remote control or panel button before unplugging the power supply directly to avoid the possibility of damage to the machine.

Cleaning
Plug the unit from the wall outlet before cleaning. Do not use liquid detergent, or spray cleaners. Just use a wet cloth to wipe it.

Power supply
The power supply of the machine must be consistent with the type marked. If you do not quite understand your indoor power, please contact with the dealer or power company. Please refer to the operating instructions for the product with a battery or other power source.

Water and Moisture
This unit can not be placed in water or places easy been dropped with water, and can not be placed under bodies filled with liquid items. Machine may not working properly if suddenly moved from a cold place to a warm place and result in moisture condensation inside, if this, simply power on 1-2 hours can be OK.

Protection of the power cable
The power cable should be placed in the place not been stepped, and do not put something on it, also please pay particular attention to the plug as well as the place where the power cable exit from.

Overload
Socket on the power supply can not be overloaded: extend the power cable, integrated socket have to be doubly careful noticed, as these may cause electric shock or a fire.

Lightning Protection
Please remove it from the wall outlet in order to prevent damage caused by lightning or do not use the machine for a long period of time. This can effectively prevent the damage caused by lightning or power grid fluctuations.

Prevent foreign matter or liquid intrusion
Do not insert foreign objects through the machine's opening place or gap as this may come into contact with dangerous high voltage or short-out parts and result in electric shock or cause a fire. Also do not spill any type of liquid to the machine.

Machine Maintenance
Do not attempt to repair the machine yourself, as open the covers may expose you to dangerous voltage and cause harm. All repairs should be entrusted to professional technicians.
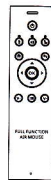
Ⅰ Brief Introduction for Smart TV Box

SMART TV BOX is a terminal high-tech product which lets your TV become a multi-functional smart TV, a multimedia player, a somatosensory game player, a office computer, a big screen Tablet PC, a wide view internet browser, and also a image browser with a HDMI interface connect to your TV and download APK applications from the android electronic market. It changes your TV to a colorful living room home entertainment center terminal.

Ⅱ Accessories

Please check if your Smart TV Box packaging contains the following items or user-selectable accessories.
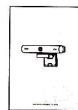

SMART TV BOX   Remote Control (optional)   Power Adapter   Av Cable

HDMI Cable (optional)   Manual

【 Notice 】

■ Please use HDMI video output if your TV has HDMI video interface in order to be able to watch clearer picture and take AV output as the second choice.

■ Please contact our sales or our company if some accessories are not in the packaging.
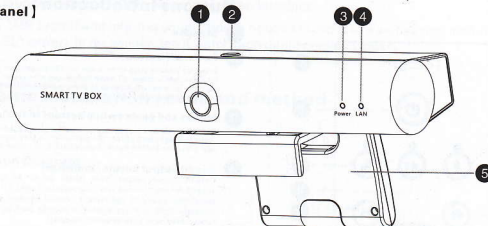
Ⅲ.Product Features

- Use Android 4.0 or higher smart operating system, with 4G memory and support for free installation of various functions of APK.
- Built-in camera, in order to achieve the QQ / MSN online video chat.
- Support playback of online videos, and support for casual web browsing.
- Humane and easily operating interface design.
- Support built-in WIFI and100M wired network interface makes network access easier.
- Supports USB removable storage devices, memory, SD card storage, and can decode, play the inside high-definition videos, music, pictures or other documents directly.
- The standard 2.4G wireless air somatosensory mouse supply you with somatosensory game experience.
- Support external USB keyboard and mouse.
- Various video port output (HDMI, AV), and support for 2-way USB-HOST interface.
- Support video formats of H.264, VC-1, Real Video, VP6, MPEG-1/2/4, DivX4/5/6 etc.
- Support audio formats of MP3, WMA, WAV, MIDI, OGG, AC3, DTS, ACC, APE etc.

Ⅳ.Product Specifications

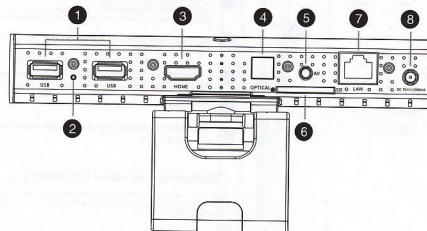| Operating System	Android 4.0	
Memory	1GB DDR3 1333MHz	
Nand Flash	4GB Nand Flash	
Video Output	1×HDMI 1.3	Up to 1920*1080
	CVBS	Connect all the old and new TVs and with full compatibility.
Audio Output	Stereo (RCA)	left and right channel (R / L)
	1×Optical Audio	support for digital audio output
Network Interface	Ethernet (wired)	RJ45 (10/100M)
	Built-in WIFI (wireless network)	802.11 b/g/n. (built-in antenna)
SD card	1×SD card reader (Up to 32GB)	Play video, pictures, music and other files on SD card storage which also can be used as the APK application download storage device.
2.4G remote control	air mouse operation	built-in gyroscope, air mouse input and manipulation.
	Bidirectional voice chat	bidirectional voice transmission
	somatosensory game control with built-in G-sensor chip	can control somatosensory game
USB interface	2×USB2.0 HOST	USB interface can be connected to the USB mobile hard disk, and also can be accessed 2.4G wireless keyboard/mouse, or 2.4G wireless air mouse.
Power Adapter	Input : AC 100-240V ;Output: DC 5V 2A	
Video decoding	AVI, 3GP, MP4, MOV, FLV, WMV, RMVB, ASF, MKV,RM,MPG Adobe Flash 10.1 support or above等	
Audio decoding	MP3,AAC,OGG,WMA,WAV,FLAC,APE,M4A	
Photo support	JPG, BMP, GIF, PNG ...	
Language support	multiple languages	
Shutdown power consumption	≤ 0.05W (remote shutdown state)	
Working power consumption	≤ 5W (not plug USB hard drive)	
Host Dimension	186*80*50mm	

Ⅴ.Product front and rear panels

【Front Panel】

❶ -Camera: for video chat.

❷ -Power on/off button: power-on while connect to electricity, short press turn to standby state and then short press wake it up, press for 3 seconds to power off and power on by press another 3 seconds.

❸ -Power indicator: red while just power on, then turn to green flashing, and finally keep green after system starts up normally.

❹ -Network: Steady green if the network connection is normal.

❺ -Bracket: Fix to the TV or monitor.

【Rear Panel】

❶ -USB Interface: connect a USB hard disk, U disk, wireless mouse and other USB equipments.

❷ -Restore factory settings button: press and hold this button while power on, and then the restore original settings interface will pop up (this function is not recommended to use in general case to avoid machine failure).

❸ -HDMI Output Interface: Connect to the TV with HDMI input interface.

❹ -Optical digital audio output: can be connected to the amplifier with optical input.

❺ -AV:Ordinary composite video and left/right audio output.

❻ -SD card

❼ -Internet cable interface

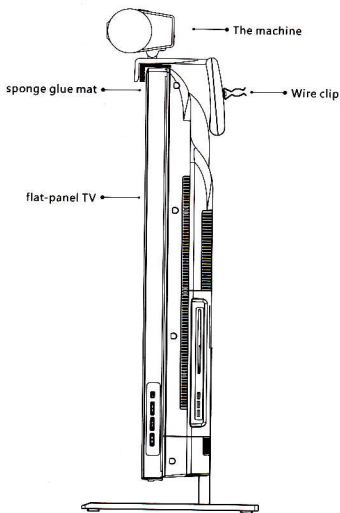❽ -Power jack:⊕—◎—⊖ DC:5V ===2000mA

【Notice】

■ HDMI and AV video of the machine are output at the same time , but please use HDMI connect as the first choice if TV has HDMI interface as HDMI output is better than AV output.

■ Short press button switch for standby, and then a short press to wake; press long 3 seconds for power off, and then long press power on.

I . Conditions and Environment of Use

1.The TV or monitor that has HDMI, AV or VGA video interface.

2.More than 2MB broadband internet connection is needed in order to watch online smoothly and 4 MB or faster ADSL network is recommended if watch high quality online videos.

II .Machine installation scene and method

1. Installation Diagram

- The machine
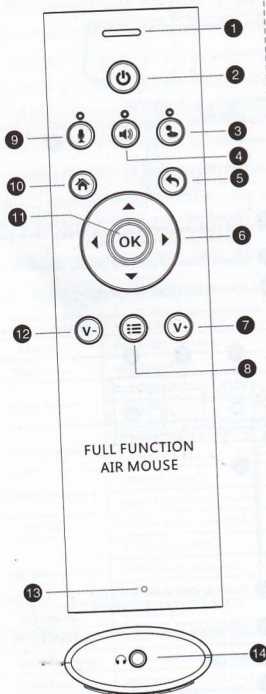- sponge glue mat
- Wire clip
- flat-panel TV

Installation method:

    tear the glue from the sponge mat on the bracket and attach to the TV (as shown above), and adjust the angle of the machine to complete the installation.

VI. Remote control function Introduction

[Buttons Introduction]

1 Standby

2 Power off button

Press for standby state while power on, and press again to wake up, long press for 3 seconds to power off mode(Notice: can not support power on control if the machine is power off, it needs to press power power on/off button on the machine or connect to electricity again.)

3 Mouse and game switch button/ indicator:

Default mode as a mouse and turn to the somatosensory game state with indicator light on by press the button while play somatosensory game and press the button again change back to the state of the mouse.

4 Sound output button/ indicator:

Default sound output from HDMI or AV of the family intelligent entertainment terminal with the indicator light off. Press this button to switch the sound to the remote control handset or earphone with the indicator light on.Press again and change back to sound output of the family intelligent entertainment terminal.

5 Back button: back to previous operation

6 Up/down/left/right direction button:

Press and move to change the mouse mode to direction mode.

7 12 Volume control button: volume addition and subtraction.

8 Menu button: press to pop up setting function while surf the web.

9 Voice input button/indicator:

Indicator light turn on automatically while enter to voice input state, change to mute by press the button, and press again to cancel mute.

10 One button back to home page: go back to home page by press this button at any interface.

11 OK button: confirm function while the remote control at the direction state and left key function of mouse while it use as a mouse.

13 Microphone input jack

14 Headphone jack: speaker sound automatically turns off while plug in your headphone.

FULL FUNCTION
AIR MOUSE

[Bidirectional voice function]

Users can install audio/video chat software to this machine (such as QQ for android) and use this remote control to achieve microphone voice input/voice output/headset and earphone function.
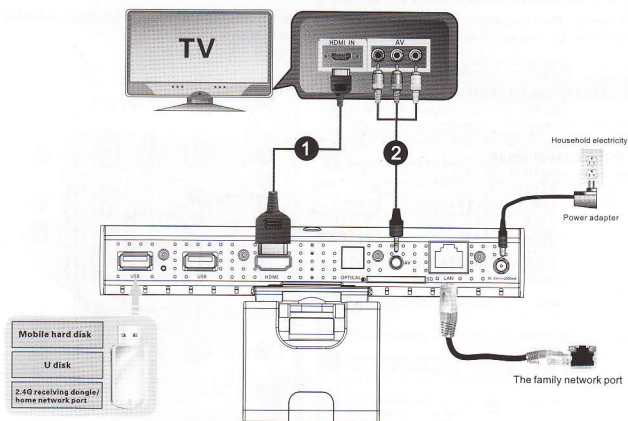
■ Microphone voice input: run the software with voice input function, such as QQ or other recorder function software, press the microphone ⏺ button and makes the indicator light turn on, then speak to the jack and record the voice, otherwise, the light is turn off.

■ Speaker/Earphone output operate instructions: the sound output will automatically switch to the speaker(or earphone)of the remote control by press ⏺ button with the indictor light turn on, and also switch back to HDMI/AV audio optical fiber output if the light turn off.

[Other special instructions]

■ The remote control will turn to sleep mode if no operation or no voice input/output for 3o seconds.

■ Press any button to wake up while it turn to sleep mode.

■ Shake the remote control switch the direction mode to muse mode with the cursor pop up and press direction button to change back.

5

2. Installation and Wiring

Family intelligent entertainment terminal   wiring diagram

[Wire connect steps:]

1）Connected the machine and TV

Method 1: HDMI interface - connect the HDMI cable between the machine and the TV.

Method 2: AV interface - connect one side of the cable to the machine and the other three cables with red/yellow/white color to the three interfaces on the TV.

Note: It just needs to select one of connection and the best choice is HDMI connection.

2）Use wireless WIFI connection or family network cable put into the network interface on the machine (as shown above) (Network setup method details will show later).

3）Plug the power adapter into the the power port on the back plane, and connect it with the electrical outlet, then power on normally
(Indicator light is green if power on, and red in standby state or power off).

4）Put the 7 # battery inside the standard remote control.

3.Power On

1）According to the method above to connect the power adapter and the power indicator light will turn red, then flashes green while the machine power on and enter to the main interface as follows:
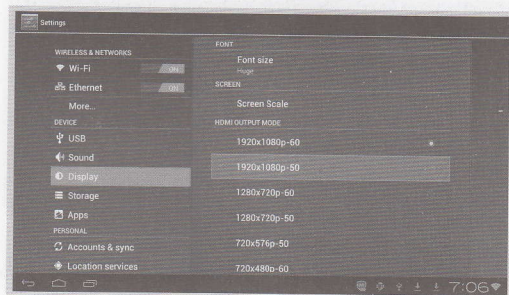

2）Click the icon on the upper-right corner of the main interface to enter the android application interface as follows:
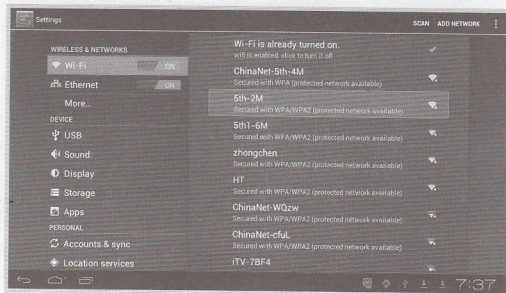
4.Adaptation resolution

You can adjust the resolution manually if the display range is not normal while you use it at first time, the detailed steps as bellow: Click to enter the Android Application Interface -> Settings-> Display-> Screen Scale, use the mouse to drag the display rate until the screen shows normally, and then press "OK" button to finish.
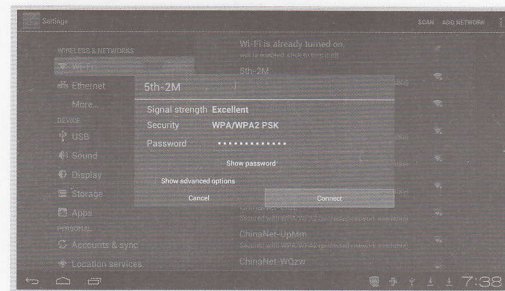

5.Network connection method – WIFI

1）Wireless network settings: Click to enter the Android Application Interface -> Settings -> WIFI and click with the mouse to turn it to the ON state, come with following interface:
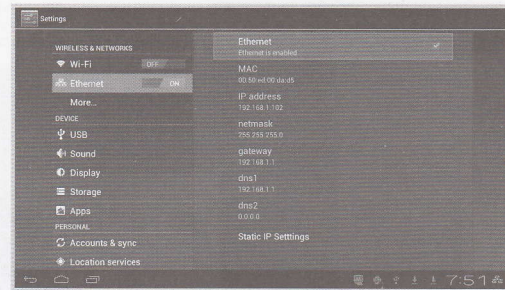
2）choice the name of the wireless network you want to use, enter your password according to the pop-up notice, and click "Connect". If the network is free, just click to connect it. As shown below.

6.Network connection method – Ethernet settings

Ethernet settings: Click to enter the Android Application Interface -> Settings -> Ethernet, click with the mouse to turn it to the ON state, come with the following interface:
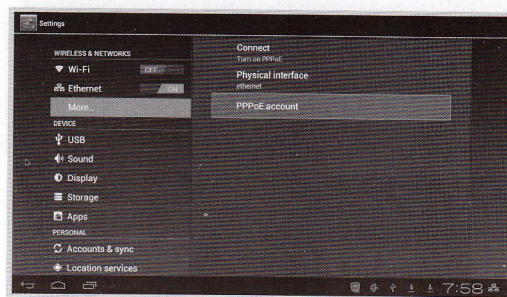
7.Network connection method–PPPOE dial–up

1）PPPOE dial-up settings: Click to enter the Android Application Interface -> settings-> More ... Click to enter the PPPOE connection interface.

2）Click into the "PPPOE account", as shown below.

3）Select "Add PPPOE Account", followed by fill in the correct "name, user, password", press the return key on the remote control after setting and select the "Save" button, as shown below.

Ⅰ、Main interface

You will see the main interface shown as below while the machine power on.

1.Icons function introduction

Back icon: Click the Back icon to return the previous step.

The main interface icon: Click on the main interface button to return to the main interface.

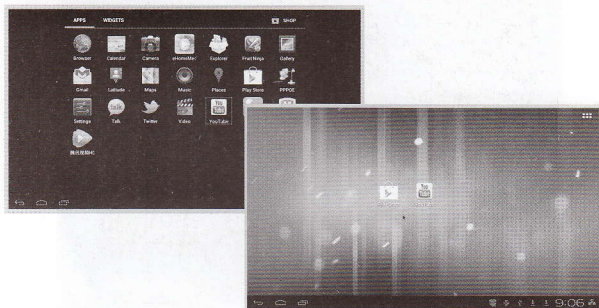Recent history icon: Click to open the recently viewed history and can enter directly to operate it.

2.Replacement of the main interface background image or animation

"Choose wallpaper from" window will pop up by press the left mouse button, and then select the picture or animation sources to complete the replacement, as shown below:

3.Top application icon

Click the icon on the upper-right corner of the home interface to enter into the Android application interface, choose the application icon and do long press with the left button, then the application icon will automatically move to the home page, as shown below:

4.Delete top application icon.

Select the application icon on the home page that you want to delete and hold it with long left click, then move to the top of the home page, as shown below:

Ⅱ.Android application interface

Store pre-installed and after-installed applications, users can download massive software from android electronic market and install them, click the home interface icon on the upper right corner to enter android application interface, as shown below:

Special Features

eHome Media Center media information sharing (DLNA multi-screen interactive)

▪Function overview

Media information sharing function means you can share all your media resource from smart phone/PC computer/tablet computer/ to the TV screen with this machine to achieve "The big screen, big vision "enjoyment.

▪Configuration instructions

You need to ensure all shared resource devices(tablet computers, mobile phones, TV smart box) in a LAN or at the same network segment while use the media information sharing function.
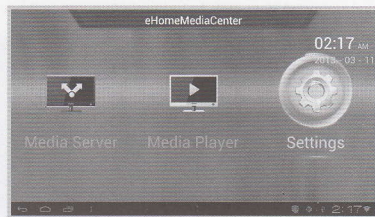
▪Operating instructions

1.Run ehome media Center

① to enter the main interface of Smart TV BOX;

② Click the application icon on the upper-right corner of the main interface→ eHome Media Center ", click and open eHome Media Center, as shown below:
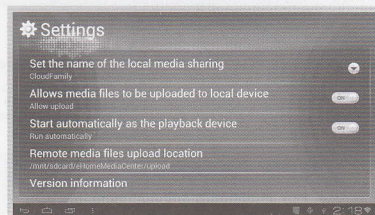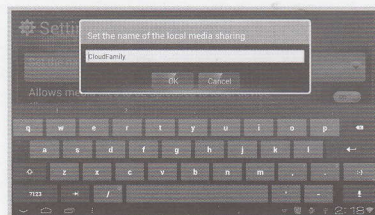
2.eHome Media Center settings

Step 1: Click"eHome Media Center→Settings", as shown below:

Step 2: Enter "Settings", "Set the name of the local media sharing, Allows media files to be uploaded to local device, Remote media files as the playback device", as shown below:

Step 3: Set the name of the local media sharing: click "set the name of local media sharing", as shown below:

3.Media Player

Step 1: Enter "eHome Media Center", click "Media Player", will scan and find the already shared source devices at the same network automatically, as shown below:
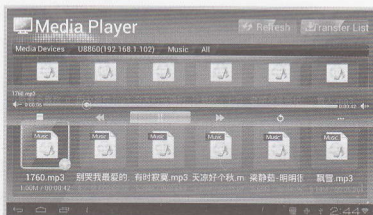

Step 2: Enter and choice the device name you want and open the shared files.
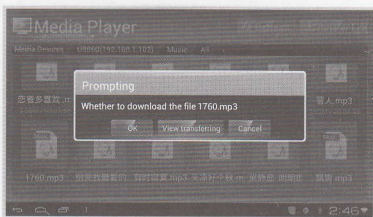

Step 3: View the shared videos/audios/images (take smart phone as example), click the searched media name with mouse and check all videos/audios/images, as shown below:

Step 4: Click "Audio" to play shared music (video as the same), as shown below:
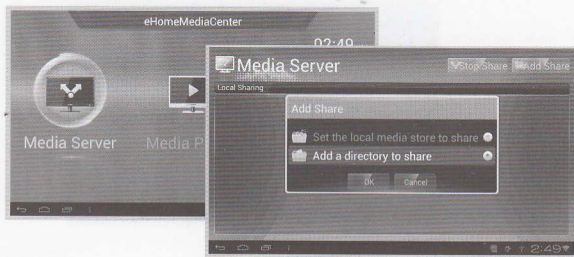

Step 5: Download the shared files to the family intelligent entertainment terminal (take image as example): long click for one image with left mouse key and pop up the notice as below and click OK:

4.Media Server

Step 1: Open share function at media server, enter "ehome Media Center" and click "Media Server", then click "Add share" on the upper right corner and select "set the local media store to share", as shown below:

Step 2: Custom folder sharing at media server. Click "Add share" and choose "Add a directory to share", then click OK. Choose the shared file folder on local disk or SD card and keep long press with left key of the mouse, and then back to the root directory of the media server and check the custom shared folder, as shown below:

Step 3: Close the share function at media serve. Click the "Stop Share" on the upper right corner of the media serve and close the shared folder, as shown below:

Somatosensory game control with the remote control
(to be equipped with the company produced somatosensory function remote control)

the remote control of the machine can be used as a control handle for somatosensory, the user can experience it by download and install somatosensory game from android electronic market.

[Instructions]:
a. download and install the somatosensory game to the machine, enter the game.
b. remote control somatosensory game switch key to switch the remote to the somatosensory state.
c. horizontally remote control, swing up and down about the direction of the remote control to manipulate the somatosensory game
d. somatosensory game control be sure to press the "somatosensory Game" toggle key, the remote control to switch back to the mouse state in order to carry out the subsequent operations.

Explorer – Play locally stored video, pictures, music and other files, install apk applications in storage device, access files from PC devices at the same LAN,etc.
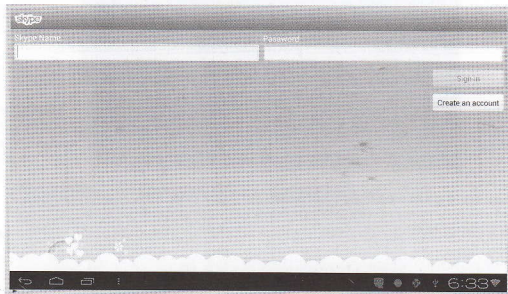
Click icon "Explorer" under android applications o enter as shown below:

Video Chat

Achieve video chat via QQ,Skype, etc. Here take Skype for example:

1、Run Skype, enter name and password.

2、Choose the friend start the video chat.

3、Open the microphone function and can talk with your friend.

4、Can switch the sound output to remote control speaker or via earphone by click headset button.
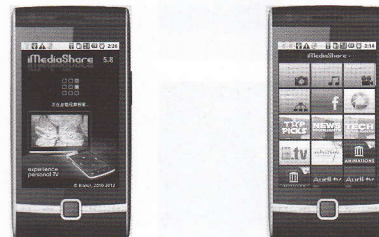
Three–screen interactive

Download Tencent video, iMediaShare softwares, etc. Through i-phone or android mobiles, and achieve three-screen interactive or multi-screen interactive

iMediaShare

You can watch online videos and musics on big TV screen via iMediaShare. It can also play on TV with local videos, musics and images inside your mobile phone storage.

1、Set the WIFI network, make sure they are at the same wireless network.

2、 Enter: "iMediaShare"

3、Choose content you want to share.

It can be local resources in the phone or media online which selected by users.

3、Share local content:
you can share the local files like My Videos/My Music/My Photos via intelligent entertainment terminal
to the big TV screen, take My Video for example:

（1）Select "My Videos" and choose the files you want, and you can also select "By date" or "All Videos"

（2）Select a video and enter

（3）Select "Cloud Family" and share it to the big screen.
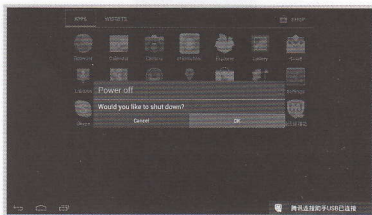

4、Share the online files:
Similar as local content, choose the video website like: CNN and select the video.

Open and select target file "Cloud Family" and share it to the big screen.

Ⅲ.Other functions introduction

1）Power off introduction

【Operating instructions】：there are two ways to enter power off selection interface.
a.Press machine's power button, pop-up power off choice, and select "confirm"
b.Long press the "Power" button on the remote control, pop-up power off choice, and select "confirm".

2) Power on introduction

【Operating instructions】：
a.long press power button on machine to power on as the remote control can not control after the machine power off.
b. Power on by connect electricity again, but should has more then 5 seconds time difference or it will fail.

> Tips: this machine is a network technology product, there will be the possibility to update the software or functionality, so please understand if the actual function have some difference to the user manul.