

Android Box

Version: V1.0



A31 series

User Manual

Before operating the unit,
please read through this manual.

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Safety Warning

Before operating the unit, please read through this manual.

PLACEMENT

- Do not place the unit on an unstable cart, stand, tripod, bracket, table, or shelf.
- Do not expose the unit to direct sunlight and other sources of heat.
- Do not handle liquids near or on the unit.
- Never spill liquid of any kind into the unit
- Do not put the unit near appliances that create magnetic fields.
- Do not put heavy objects on top of the unit.

POWER SUPPLY

- Check that the unit's operating voltage is identical with your local power supply.
- Please unplug power supply and aerial plug when the weather is thunder-storm or lightning.
- Please unplug power supply, when there is nobody at home or didn't use over a long period of time.
- Please keep power cord from physical or mechanical damage.
- Please use exclusive power cord, don't modify or lengthen it.
- Please check and ensure AC source is connected with the ground.

TEMPERATURE

- Do not place the unit near or over a radiator or a heater register.
- If your unit is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.

HUMIDITY

- Do not expose machine in rain, damp or place near water.
- Ensure the indoor drying, cool.

VENTILATION

- Keep the ventilation openings clear.
- Ensure that the unit has enough space for ventilation around: left, right and back >10cm, top> 20cm.

BATTERY

- Accurate transaction and recal I scrap battery after using.
- Please don't let kid touch battery, in case of dangerous don't throw battery into fire.

SOFTWARES

- Some softwares for smart phones or unique CPU solutions may not suit for this product.
- Some softwares need unique peripherals to support, like G-sensor, may not suit for this product.

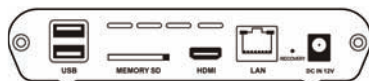
Preparation

1.1. Introduction

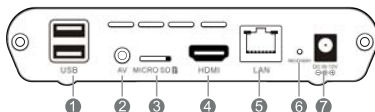
1.1.1 Sketch



Front	Fuction
①	Signal receiver
②	Signal LED(red--power off, green--power on)
③	Power button



A31



A31A

Back	Function
①	USB port x 2
②	AV output (Best resolution experience in 480i or 576i)[Only for A31A]
③	micro SD slot[SD card slot for A31]
④	HDMI output (Best resolution experience in 720p or 1080p)
⑤	Ethernet input
⑥	Recovery button
⑦	DC in

Preparation

1.1. Introduction

1.1.2 Peripheral



remote



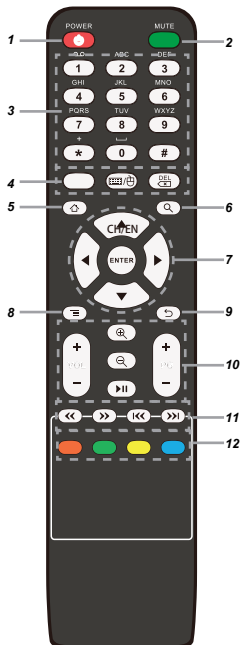
AC adapter



User manual

AV cable(Optional)
HDMI cable(Optional)

1.1.3 Remote



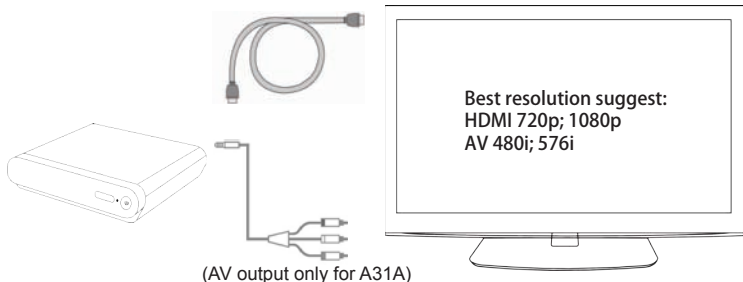
Button	Function
1.	Turn on/off
2.	Sound/Mute
3.	Number 1~9 and "*", "#"
4. 	Switch input language (EN/CH) Turn on/off Mouse Mood Delete
5.	HOME button, back to main page
6.	Search
7.	Up, down, left and right direction control Confirm
8.	Menu button
9.	Back
10. 	Volume "+, -" (Turn up/down) Page turning "+, -" (Up/down) Zoom in/out Multimedia: Play/Pause
11.	Multimedia: Forward/Backward/ Preview/Next
12.	Defined function button

OConnection

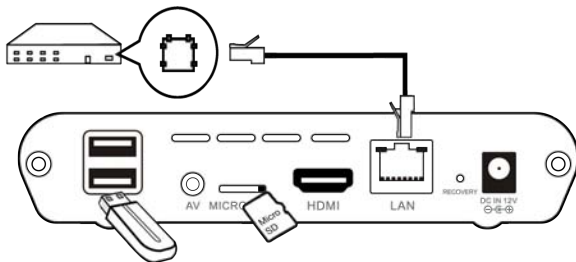
2.1. How to connect

Connect the Android box to a display equipment

+ Reminder The display equipment must have a HDMI terminal or AV terminals



2.2. Terminal



- Micro SD slot (support up to 32GB)
- USB 2.0 port support keyboard, mouse, U disk, mobile HDD and etc.
- LAN allows Ethernet

× Warning! USB port allows only one mobile HDD at the same time!

0 Install Wizard

3.1. WELCOME PAGE

When the Android Box is first powered up, Welcome Page will be shown. It will help you to configure the device.



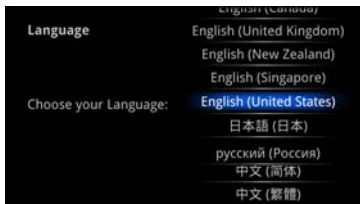
+ Reminder

If you want to skip this wizard, press “HOME” key.

If you have finished this wizard once, it will not auto-open again.

3.2. Setup page

Select Language:



Select network type:



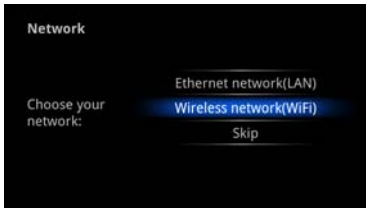
+ Reminder

If you do not want to choose your network, you can skip this step by press “Skip”. You will also find the network settings in fuction “Settings”

○ Install Wizard

3.2. Setup page

Select Wireless network(Wi-Fi)



+ Reminder

If choose 'Wi-Fi' , select a Wi-Fi Access Point

If choose 'Ethernet' ,the screen will show Ethernet connection status

Select Ethernet network(LAN)



Configure Ethernet manually



Set up the correct Time Zone



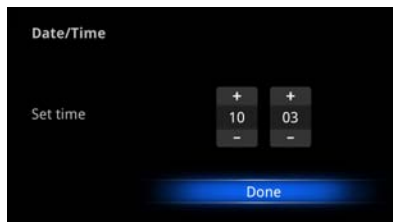
+ Reminder

If network is not connected, setup the date and time manually

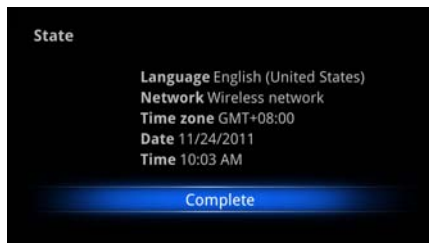
Install Wizard

3.2. Setup page

Setup time/data manually



Configuration



Adjust screen size, using the arrow buttons on remote control






+ Reminder

User can setup the Language, Network, Time Zone, Date/Time, and adjust screen size in this part






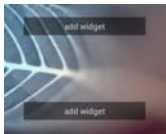
O Main Launcher

Press the arrow buttons ◀▶ to select the icon and press “enter” the sub-screen







FUNCTION	DESCRIPTION
	Main Launcher tab contains: Time information(You can set time information at settings) Function status contains: Wi-Fi;Micro SD card;USB connection (White for working, gray for standby)
	The AppManager lets you view and launch selected application, such as File Browser, Calendar ,Email and etc.
	The Browser tab contains bookmarks and search bar. It allows you enjoy your time on surfing Internet. You can search for information and watch online TV etc.

O Main Launcher

FUNCTION	DESCRIPTION
	Video player tab shows a matrix of video preview. You can click to enjoy a movie
	Music player tab lists information as: sound type/preview, file name, time and etc. You can click to enjoy music
	Pic tab shows a matrix of picture preview. You can click to view a photo
	The Settings screen contains most of the customizing and configuration options, such as language, aspect ratio and network settings
	Often used Apps contains: 6 of the most used app icons in recent time
	You can put at most two often used widgets on the blank space. 1.Click the “add widget” to choose from a list of widgets 2.Click on the widget icon to enter the app 3.Press and hold on a widget to delete it (*Attention: Not all apps have widgets!)






O Main Launcher

4.2. SETTINGS

Seetings	Generation introduction
<p>Wi-Fi settings</p> 	<p>Check to turn on Wi-Fi so you can connect to Wi-Fi networks</p> <p>Check to receive an alert when an open Wi-Fi network becomes available</p> <p>Opens a dialog where you can add a Wi-Fi network by entering its SSID (the name it broadcasts) and security type</p>
<p>Ethernet</p> 	<p>Turn on/off the Ethernet</p> <p>Ethernet settings:</p> <p>IP address, Subnet Mask, DNS Server, Default Gateway and etc.</p>
<p>Display</p> 	<p>Output mode:</p> <p>HDMI --- 1080p;720p;</p> <p>AV[only for A31A] --- 480i;576i(only for av output)</p> <p>Set your display overscan ratio</p> <p>Font size</p>
<p>Applications</p> 	<p>Downloaded</p> <p>On SD/Micro SD card</p> <p>Running</p> <p>All</p>
<p>Factory data reset</p> 	<p>Erases all data on the device</p>

O Main Launcher

4.2. SETTINGS

Seetings	Generation introduction
<p>Storage</p> 	<p>Total space Available space Erase USB storage Available space of internal storage</p>
<p>Language & input</p> 	<p>Select language Android keyboard Remote controller input method</p>
<p>System updates</p> 	<p>Update system via update.zip from USB flash drive or micro SD card</p>
<p>Date & time</p> 	<p>Automatic date & time(Need network) Set date Set time Select time zone Use 24-hour format Select date format: dd/mm/yyyy 、 mm/dd/yyyy 、 yyyy/mm/dd</p>
<p>About device</p> 	<p>Status Model number Android version Kernel version Build number</p>

O Main Launcher

4.3. APPLICATIONS

Install from USB Flash Drive/Micro SD card

1. Open the "File manager"
2. Choose your USB flash drive or any other mass storage's folder
3. Find you application, and press it
4. Press the install button
5. You can find the application in tab "Apps" after installation

Download & install from Browser

1. Open the Browser.
2. Press search key and input your website address
3. Download the APK file which you like if there is a link for download (If you have problems with downloading, please make sure there is enough room in your internal storage)
4. You will find the file in your Micro SD card folder

Install from ApkInstaller

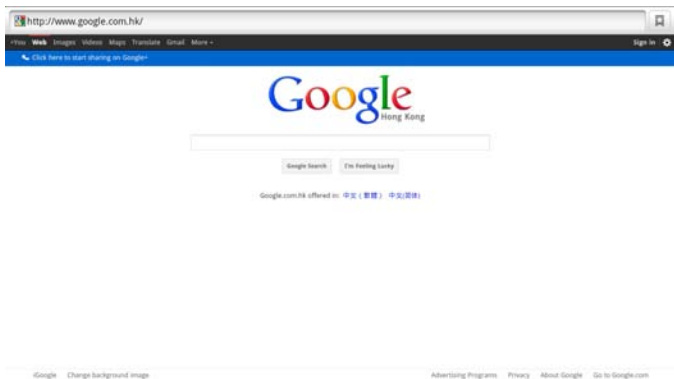
1. Open the ApkInstaller
2. Find the icon of the application, and enter it
3. Press the install button
4. You can find the application in tab "Apps" after installation

Remove Applications

1. Enter **SETTINGS**
2. Enter **"Applications"**
3. Find the application you want to remove in tab **"All"**
4. Enter the icon and press **"Uninstall"**
5. Press **"OK"** to confirm uninstall

O Main Launcher

4.4. Browser



+ You will use the buttons as follow

● Menu Key 

Call out the menu of browser

● Back key 

Back to the last page

● Search Key 

Call out the search bar

You will use the mouse buttons as follow

- Left click
Click to confirm entering or choosing
- Right click
Click to back
- MouseWheel
In webview: Flip over, Page up&down

O Specification

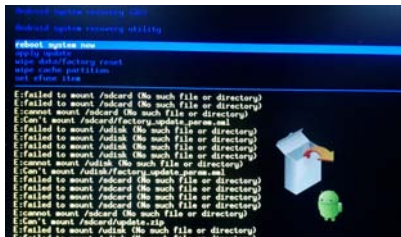
OS	Android 4.0
CPU	ARM Cortex A9
Frequency	Up to 1GHz
RAM	1GB DDR3
ROM	4GB NAND Flash
I/O	USB port x 2
	Ethernet input RJ45 port
	Micro SD card slot[SD card slot for A31]
	AV output[only for A31A]
	HDMI output
	Support Wireless: Wi-Fi 802.11 b/g/n
	Wired: Ethernet10/100 Base-T
Language	English, Chinese simplified, Chinese traditional and etc.
Display Specs	Aspect Ratio: 4:3(only for av output); 16:9 Resolution: (HDMI)720p; 1080p (AV)480i; 576i[only for A31A]
Media Format	Video Formats: Full-format 1080P HD video decoding play
	Supported Video decoding: MPEG 1, MPEG 2,MPEG4, H.264, H.263, VC-1, RV30/40,
	Supported Audio decoding: PCM, LPCM, MP3, AAC, MPEG Audio, WM
	Supported subtitle formats: SRT,SSA,ASS,SUB
Feature	First Time Installation
	Screen keyboard or support USB keyboard, wireless keyboard and mouse
	Video, music, picture player
	File manager
	ApkInstaller
	Email, Gmail and etc.(support POP, IMAP, Exchange)
	Support kinds of thirdparty softwares
	Support Adobe Flash

○Exception handling

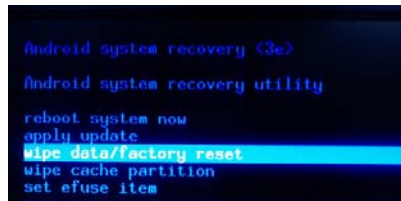
6.1. System restore

If the android box can not start successfully, Please proceed as follows:

1. Unplug your storage devices, such as: SD card, U disk, mobile HDD and etc.
2. Unplug the power supply
3. Press the RECOVERY button(as the figure ④ pointed at in part 1.1.1), then plug in the power, release the RECOVERY button until you see the screen as follow



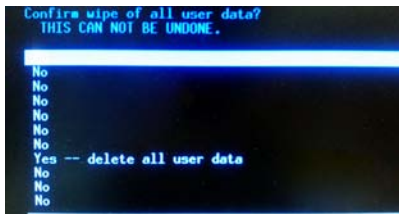
4. Use to choose ▼/▲ "wipe data/factory reset" , as:




○Exception handling

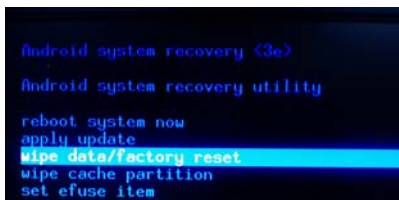
6.1. System restore

5. Use  to confirm:



6. Use to choose ▼/▲ "Yes -- delete all user data" , Use  to confirm. Then, you will go back to the last menu

7. Use to choose "reboot system now" , use  to confirm.



8. The machine will enter the system success

FCC NOTE:

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.