

Android TV Box

User Manual



MPEG HD
DIGITAL DECODING

H264 HD

VC-1
WMV

real HD

AVCHD

Matroska
MATROSKA

Full HD
1080

VIDEO FILES
PLAYBACK

AUDIO FILES
PLAYBACK

PHOTO FILES
PLAYBACK

ADVANCED
SUBTITLE
SUPPORT

DOLBY
DIGITAL

dts
Digital out

Flash
10.2

Preface

Thanks very much for choosing our TV Box. In order to make it more convenient for you to use proficiently, we provide you with a user manual. Please read it carefully before using and properly keep it for reference.

Statements

We have made every effort to provide the most current information about the product.

We do not grant any guarantees as to the contents of the present instruction manual and disclaim any implied guarantees concerning market value or suitability for specific purposes. The information contained here is an instruction intended to enable the correct usage and maintenance of the receiver.

We reserve itself the right to introduce amendments, changes or translations of the user manual without prior notification thereof. For this reason, we recommend you regularly visit our website in order to obtain the latest information.

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Chapter 1 System Introduction

1.1 Key Features

- * Android 4.1 operating system with ARM Dual Cortex A9.
- * Support many kinds of IPTV and OTT TV programmes.
- * Support three main HD formats:VC-1, H.264, MPEG-2 and many others normal formats such as MPEG-1, MPEG-2, MPEG-4, DIVX, REALMEDIA and so on.
- * Video formats include avi, mpg, vob, rmvb, mkv, m2ts, ts and so on.
- * Photo formats include JPEG, BMP, and PNG up to 80M pixels.
- * Audio formats include MP3, WMA, WAV, AC3, DTS, AAC and so on.
- * Support SD/SDHC/MMC cards.
- * Support four USB 2.0 host connectors with maximum output current of 1.5A/5V.
- * Support standard RJ45 cable network connection and wireless network connection.
- * Support infrared remote controller operation.

1.2 Environment for System

Operation : Temperature limitation: 0~40°C; Humidity limitation: 20~80%.

Storage : Temperature limitation: -20~50°C; Humidity limitation: 10~90%.

1.3 Package Contents

Accessories	Quantity
Power adaptor	1
Remote control	1
AV cable	1
User manual	1

Chapter 2 Remote Controller

2.1 Introduction of Remote



- POWER:Press to turn on/off.
- MUTE:Press to turn down the volume.
- SETUP:Fast key to go to system setup.
- SEARCH:Fast key to go to website search.
- ZOOM:Press to zoom in/out when reading photos.
- SUBTITLE:Press to choose subtitles when playing movies.
- AUDIO:Press to choose audio output when playing movies.
- PHOTO:Fast key to go to photo gallery.
- MUSIC:Fast key to go to music playlist.
- FILE:Fast key to go to file menu.
- VIDEO:Fast key to go to video playlist.
- NETWORK:Fast key to go to network application menu.
- MENU:Press to choose function menu of corresponding application in video, music, photo and website.
- PAUSE:Press to pause when playing video, music or photo.
- STOP:Press to stop playing.
- RETURN:Press to return back to previous menu.
- HOME:Fast key to go back to main menu.
- VOL:Press to increase/decrease the volume.



Navigation:Press to navigate left/right/up/down. Press ok to confirm your choice.

- Fast backward or fast forward.
- Go to previous page or next page.

Number keypad 0-9:Press to input Arabic number.

- Backspace:Press to backspace the input.
- Cursor:Press to use the navigation button as cursor.

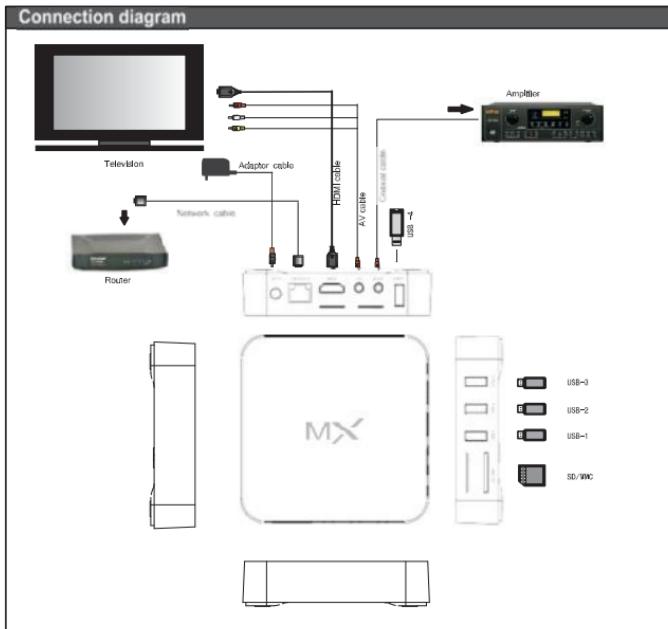
Chapter 3 System Connection

3.1 AV Connection

- Connect the AV cable of the 3 color(red/white/yellow) to the TV Box's AV output interface, the other end to TV set AV input interface. Connection can be made by color.
- Power on the TV Box, set TV video mode to AV input.

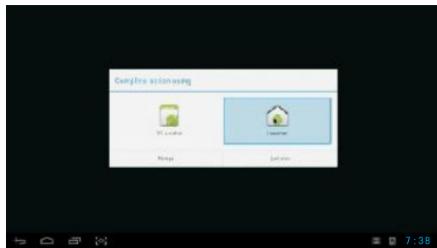
3.2 HDMI Connection

- Connect HDMI cable into the product interface, the other side into a TV set.
- Power on the TV Box, set TV video mode to corresponding HDMI input.



3.3 Startup

Turn on the TV box while indicator light is blue, about 30 seconds to enter into main menu.



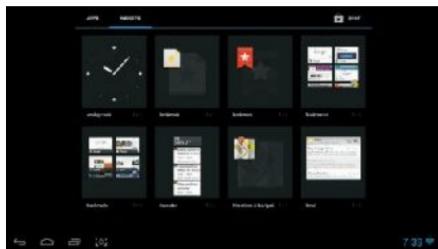
There are two options of launcher. You can choose to enter into different interfaces.
Choose Launcher to enter in. Go to the application icon on the upper right corner.



Here is the APPS interface.



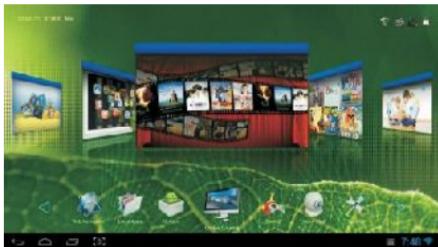
Here is the WIDGETS interface.



Press Home key on the remote or choose the second icon on the lower left corner to choose another launcher interface.



Choose 3D Launcher to enter in. Here is another interface.



Chapter 4 Web



Move to "Web Navigation" icon, press ok to enter into website list.



There are many websites for your reference.

It includes Browser, Famous, Entertainment, Sports, News, and Car. You can choose your favourite websites and enter into the website directly.

Notice: please go to the system setting to set the Internet connection before entering into the website.

Chapter 5 Local apps



Move to "Local Apps" icon, press ok to enter into Local Apps list.



5. 1 Movie List

Move to "Media Player", press ok to enter into movie list.



This is for local media player. Choose your desired device and play videos you like.

5.2 Music List

Move to "Music Player", press ok to enter into music list.



This is for local media player. Choose your desired device and play music you like.

5.3 Picture List

Move to "Picture Player", press ok to enter into picture list.

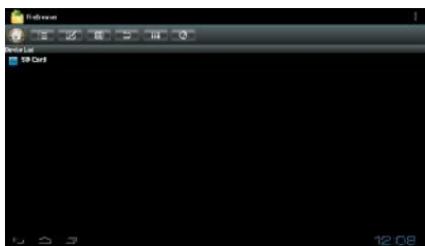


This is for local media player. Choose your desired device and play photos you like.

5.4 Filebrowser

Move to "Filebrowser" icon, press ok to enter into device list.

When inserting with USB device or SD/SDHC/MMC cards, there will show "device is mounting".



This is for local media player. Choose your desired device and play video, music or photo you like. You can edit on the up column.

Chapter 6 Setting



Move to "Setting" icon, press ok to enter into system setting. You will see the menu on the following picture.



6.1 Wi-Fi

Move to "Wi-Fi", turn on the Wi-Fi network from the upper right corner. System will start scanning available Wi-Fi networks around you automatically.

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Press ok to choose your Wi-Fi network and enter with your password.



After authenticating IP address, when connected is shown, Wi-Fi is available now.

Notice: Sometimes Wi-Fi is not stable. If Wi-Fi connecting is fail, please try again.



6. 2 Ethernet

Move to "Ethernet", turn on the Ethernet configuration from the upper right corner.

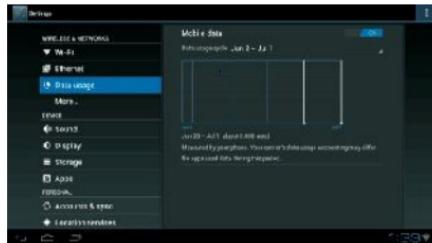


Choose "Save" to finish Ethernet configuration.



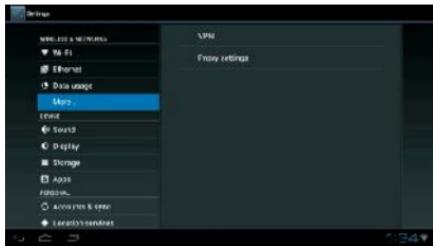
6. 3 Data usage

Move to "Data usage", it is a way to account apps used data on the box for your reference.

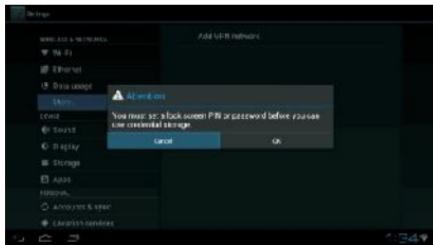


6.4 More

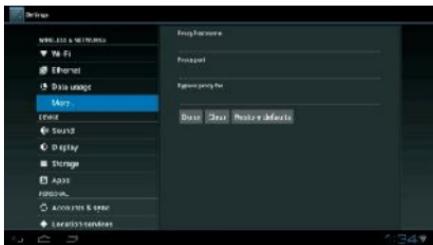
Move to "More", press ok to set VPN and Proxy settings.



Here is the setting of VPN. You must set a lock screen PIN or password before you can use credential storage.

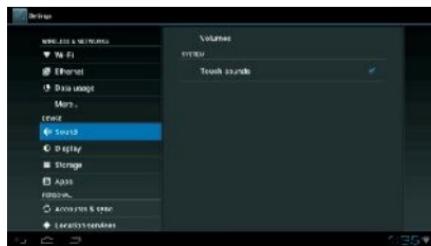


Here is the setting of Proxy.

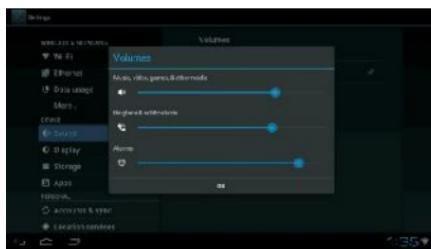


6.5 Sound

Move to "Sound", press ok to set the system volumes.



Here you can set media volumes, ringtone volumes and alarm volumes.



6.6 Display

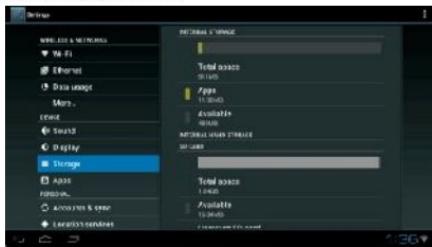
Move to "Display", press ok to enter into system display settings.

There are four functions including Wallpaper, Output mode, Display position and Font size.



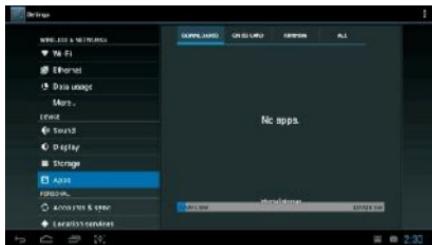
6.7 Storage

Move to "Storage", press to enter into system storage interface. You can read the internal storage and external device storage from here.



6.8 Apps

Move to "Apps", press to enter into system apps working interface. You can find the apps working situation from here.



6.9 Account & sync

Move to "Account & sync", press to enter into accounts and sync settings. You can add account from the upper right corner.



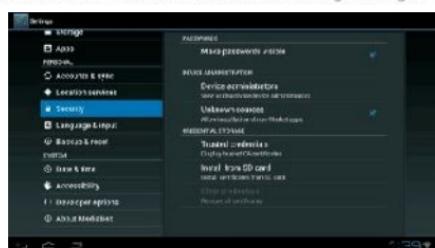
6. 10 Location services

Move to "Location services", press to enter into Google's location service setting.



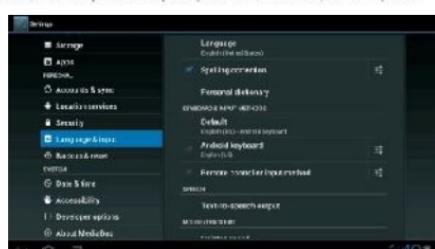
6. 11 Security

Move to "Security", press to enter into system security menu. There are three fuctions including Passwords, Device administration and Credential storage settings.



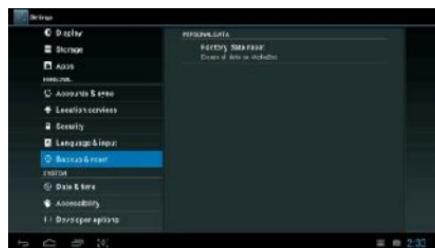
6. 12 Language & input

Move to "Language & input", press to enter into Language and input setting. You can set keyboard and input methods, text-to-speech output speed and mouse pointer speed.



6.13 Backup & reset

Move to "Backup & reset", press to enter into factory data reset. You can erase all data on the TV box.



6.14 Date & time

Move to "Date & time", press to enter into date and time settings. You can change the time format and date format here. You can choose automatic function for the date and time setting.



6.15 Accessibility

Move to "Accessibility", press to enter into accessibility settings including services and system.



6.16 Developer options

Move to "Developer options", press ok to enter into system development setting.



6.17 About MediaBox

Move to "About MediaBox", press ok to enter into TV box information.



Chapter 7 Allapplications



Move to "Allapplications" icon, press ok to enter in.

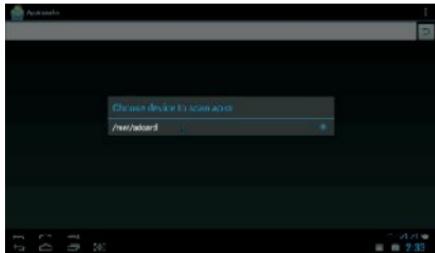
You can see icons referring to different functions on the picture.



AppInstaller: move to "AppInstaller", press ok to enter in.



You can install softwares by this appinstaller function. Please first download your desired softwares by apk formats from computer to USB device. There will appear a column to choose device to scan apks.



Press ok to choose your desired software to install.

After finished installation, the software icon will be show on the allapplications menu.



Browser: move to "Browser", press ok to enter in.

It is a direct way to go to your desired website.



A keyboard will pop up, input with your desired website address, press "ok" to go to the website.



Calculator: move to "Calculator", press ok to enter in.
It is a simple calculator for arithmetical workings.



Calendar: move to "Calendar", press ok to enter in.
It is a direct way to view the date from the calendar.



Camera: move to "Camera", press ok to enter in.
It is a way to take photo.

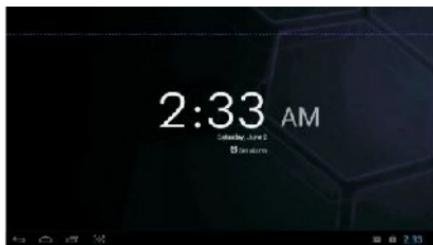


Please connect a USB camera with the TV Box.

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Clock: move to "Clock", press ok to enter in.
It is a direct way to see time from here and set the clock.



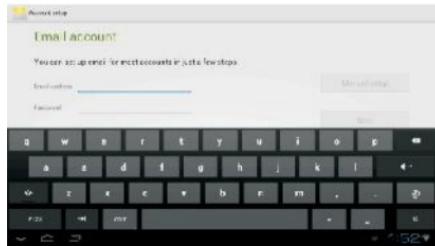
Downloads: move to "Downloads", press ok to enter in.
You can check the status here when downloading apks from internet.



Email: move to "Email", press ok to enter in.
It is a direct way for you to send and receive email of your account.



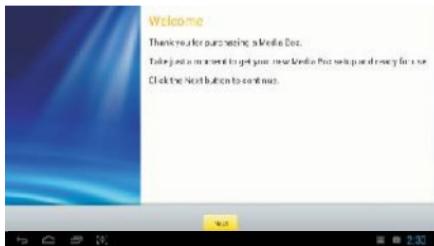
You can configure Email for most accounts in just a few steps. Move to Email address, press ok to input your mail address and password. Follow the icon "next" right under the **Next** button to finish setting.



OOBE: move to "OOBE", press ok to enter in.
It is a direct way to refresh the system on the TV Box.



Press next to finish the setting.



Search: move to "Search", press ok to enter in.
It is an option to search message in local and from internet.



For example, when you input with a letter "g". There will search out a result of relative letter "g" in local. If you press "go to" icon on the right, it will search relative "g" from Internet.



Upgrade: move to "Upgrade", press ok to enter in. It is a system update function.

Insert with update software on the SD card, click "Upgrade" icon to choose local upgrade. After upgrade finished, system will restart automatically.



Chapter 8 Troubleshooting

Warning

Under no circumstances should you try to repair the TV Box by yourself, as this will invalidate the warranty. Do not open the TV Box as there is a risk of electric shock. If a fault occurs, first check with points listed below before taking the TV Box for repair. If you are unable to remedy a problem by following hints, consult your dealer for help.

Problem	Solution
No power	Check if the power adaptor is properly connected to the power and the TV Box. Press the power on the remote controller to turn on the power.
No picture	Reconnect with HDMI cable or AV cable. Check if the TV is switched on.
No sound or distorted sound	Adjust the volume. Check that the speakers are connected correctly.
No audio or digital output	Check the digital connections. Check if your amplifier is set correctly.
The box does not respond to the Remote Control	- Aim the remote control directly at the sensor on the front of the TV Box. - Reduce the distance to the TV Box. - Replace the batteries in the remote control.
Player does not respond to some operating commands during playback	Operations may not be permitted. (Refer to the user manual). - Possibility of system halted, re-insert with power adaptor to restart.
No sound during movies playback	The audio codec may not be supported by the TV Box. You can change to the supported audio on playing menu. -Check the volume.
The contents of the USB flash drive cannot be read	The USB flash drive format is not compatible with the box. -If one of the USB can not be read, please turn off the TV Box for 30 seconds and restart the TV Box.
Slow operation of the USB flash drive	Big file size or high resolution USB flash drive asked longer time to read and display on the TV screen.
No sound with HDMI connection	Check the connection between the TV and the HDMI jack of box. Check your TV system setup . Check the volume.
The TV screen is blank and the player LED is blinking	Turn off your TV Box, wait 30 seconds, turn it on again. If under HDMI status, check if HDMI connection is correct or change another HDMI cable, set the output resolution of this TV Box into 720p.

Chapter 9 Specification

Item	Parameters	Android TV Box
Main function	On-line video(IPTV and OTT TV programs)	Many IPTV programmes, all standard IPTV softwares and popular on-line video websites based on android system (such as YouTube, Netflix, local satellite TVs, sports, finance, etc.) It can also connect to your designated websites.
	Android applications	Support many applications from google play including web browser, google map, 2D/3D games, P2P download, online video chat, email and so on. Support mouse and keyboard; Support FAT16, FAT32, NTFS file system.
	All formats with Full HD definition	Builds in all formats: 1080p high definition decoding; Supports three main HD formats: VC-1, H.264, MPEG2-HD together with common formats rm, rmvb, divx ect. Supports more new formats by installing android player.
Video format	1080p/720p/480p multi-format decoding	MPEG1/MPEG2/MPEG4/VC-1/H.264/Real Video formats including avi, mpeg, vob, mkv, ts, m2ts, wmv, rm, rmvb suffixes and so on
Photo format	Up to 80M pixels	JPG, BMP, PNG
Audio format	Multi-audio format	Mp3, WMA, WAV, MIDI, OGG, AC3, DTS(some formats need the support of the third party player software.)
Hardware configuration	Main chipset	Dual Conex A9 1.5GHz
	GPU	Dual Mali - 400
	Memory	1GB - DDR3, 4GB-FLASH (other capacity available.)
Input interface	Storage cards	SD/SDHC/MMC card. Voltage: 2.7-3.3V
	USB interface	Four way 2.0 high speed output current up to 1.5A/5V, connected with different kinds of mobile devices directly without additional power; Supports hot-plugging.
	Internet interface	Standard RJ45 internet interface. Support internal wireless Wi-Fi (some other models require additional adaptor.)
Output interface	Audio	Coaxial digital audio output; L/R stereo output standard 3.5mm earphone socket.
	Video	CVBS output (AV output); Standard 3.5mm earphone socket; HDMI interface: HDMI 1.4 standard interface.
Others	Remote distance	Effective distance is more than 5 meters.
	Dimension	118X118X28.5 mm
	Weight	268g
Electric parameters	Video	Range: 1.0V~1.01V(75% overload); S/N > 55dB
	Audio	Range: 2.0V~2.02V(10k ohm overload); S/N > 85dB
	Electric power	Power supply: 5V DC; Current: 2A.

This specification will be modified if necessary without notice.

FCC Warnings:

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.

NOTE: 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.

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance; such change or modification could void the user's authority to operate the equipment.

IMPORTANT NOTE:

FCC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be collocated or operating in conjunction with any other antenna or transmitter.