

# **Android Smart TV BOX**

## **User Manual**

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## Introduction

Android TV Box is an internet-connected television platform. Combining TV, PC, the entire web, and applications, Android TV brings a new experience into your living room.

With your Android TV Box, your HDTV now becomes an affordable interactive Home PC that can be enjoyed by the whole family.

- Internet TV
- Internet Browser
- Online Shopping and Banking portal
- Multimedia player (Download or off memory)
- View and share photos
- Social network portal (Face Book, Twitter, etc.)
- Game player
- Skype/MSN Instant and family
- Send and receive emails, and use other office software
- Download thousands of free and paid applications

This player has multi HDTV and audio outputs, which allow you to connect it to your HDTV, non-HDTV, monitor, speakers and amplifier. Plug a USB webcam into your Android box, make a free video call to your friends on Skype.

## Cautions

1. When connect the unit to other devices, disconnect power first.
2. When connect the unit to other devices, read the user guide of other devices for safety cautions. Do not connect the unit to incompatible products.
3. Do not interrupt the power while in the process of upgrading or updating / downloading the firmware, or when the storage card is inserted or removed, to avoid data loss or program error.
4. Do not plug or unplug the power cable with wet hands.
5. Do not put heavy items on the power cable or the unit.
6. Unplug the power cable before cleaning the device. Wipe the unit with a soft piece of dry cloth. Do not use any liquid or foreign substance to be inhaled inside the unit that could result in a short circuit with fire or electrocution hazards.
7. Do not attempt disassembling or repairing the unit. When the unit is not working properly, please contact professional for repair.
8. Store the unit in a cool, dry place.
9. Disconnect the power when the device is unused for long periods of time or if it is damaged.

## What's in the box

Here's what you should find inside the box:

- Android TV box
- Remote control
- AV cable
- Two AAA batteries (optional)
- Power adapter
- User Manual

## Connection

The Android smart tv box could connect to HDTV, non-HDTV, projector, monitor, amplifier, receiver, Ethernet.

- DC jack: Connects to power adapter (5V 3A)
- AV out: COMB video & L/R audio out: Connects to non-HDTV audio speakers
- HDMI: Connects to non-HDTV
- Optical: Optical digital audio output: Connects to amplifier
- SPDIF: Coaxial digital audio output: Connects to amplifier
- RJ45 network port: Connects to Ethernet
- USB: Connects to HDTV
- Button: off with antenna (optional)
- USB host: Connects to USB device
- Card slot: Connect to SD/MMC/MS card

The Android TV box outputs audio at the same time when it is connected to several audio devices.

## Turning on/off your Android TV Box

- Connect your Android TV box to other devices before you connect power.
- Power on: Plug the power adapter to the power socket, and then connect the power adapter to the power socket of your Android TV. The system starts automatically, the starting light appears and then the Home screen displays.
- Power off: Disconnect the power source and the unit will turn off.
- When the system is running, press Power button on the remote control to put your Android TV box into standby mode. When your Android TV box is in standby mode, press Power button again to start it.
- LED indicators: When your Android TV box is in standby mode, the red light is on. When your Android TV box is starting, the light is on also a short while.

## Remote Controller



- Drag the bar to where you want it, and then lift your device screen.
- To move an icon on the home screen:
  - Click & hold the icon you want to move, until it is scaled bigger. Drag it to your screen. Drag the bar to a new location on the screen.
  - Place it at the edge of the screen to drag the icon into another home screen pane.
  - When the bar is where you want it, lift your device.
- To remove an icon from the home screen:
  - Click & hold the icon you want to remove, until it is scaled bigger. Drag it off your device screen. The Launcher icon changes to a Trash can icon.
  - Drag the icon to the Trash can icon. Lift your device screen.

## Launcher

Click the Launcher icon on the right side of the home screen to view all installed applications.

### 1. To open an application

On the home screen, click the Launcher icon to open Launcher. Move the cursor using touch control or mouse to the desired application. Then press (or on the remote control) or click the left mouse button to open the application.

Or you can locate the desired application by pressing Home key, Left/Right/Down on the remote control, and then press Enter to open the application.

### 2. To switch to a recently used application

Press & hold the Home button. A card window opens, with icons of applications that you've used recently. Click an icon to open its application. Or press Back to return to the current application.

### 3. Personalized applications

The personalized applications vary in different areas and different firmware versions.



## Managing Notifications

Notification icons appear the arrival of new messages, calendar events, as well as ongoing events. When you receive a notification, its icon appears in the Status bar. You can open the Notifications panel to view a list of all your notifications.

### 1. To open the Notifications panel

Move the cursor to the top of the screen. Then touch bar. Or click the Status bar down from the top of the screen.

On the home screen, you can also open the Notifications panel by clicking the Notification icon.

The Notifications panel displays your wireless provider and a list of your current notifications. Notifications about ongoing activities are listed first. Followed by notifications about events, such as new text notifications or calendar reminders.

### 2. To respond to a notification

- Open the Notifications panel.
- Click a notification to respond to it.
- The Notifications panel closes. What happens next depends on the notification.

### 3. To clear all notifications

- Open the Notifications panel.
- Click Clear at the top right of the panel. All event-based notifications are deleted; ongoing notifications remain in the list.

### 4. To close the Notifications panel

Drag the bar at the bottom of the Notifications panel to the top of the screen. Or just press the Back button. The panel will close when you click a notification or respond to it.

## Using SD card

You can safely insert the SD card into your Android TV any time when the unit is on or off. Simply push the card into the SD card slot until you hear a clicking sound. "Formatting SD card" will be displayed on the status bar for one second. You can safely remove the SD card from your Android TV any time the unit is turned off. If you need to remove the SD card while your Android TV is on, you must unplug the storage card from the device first, to prevent corrupting or damaging the storage card.

- Press Settings to open the Settings application.
- Press SD card & device storage.
- Click Unmount SD card. You can now safely remove the SD card from your Android TV.



## Connecting to Networks

- **Wi-Fi:** When Wi-Fi signal is available, you Wireless & Network settings to configure and manage connections to networks by using Wi-Fi.

- **Wired network:** Plug the network cable into the network port of your Android TV.

Wired networks provide better security than a wireless network and can transfer data faster. When both Wi-Fi and wired network are available, the system will use wired network. Wi-Fi and wired network can be seamlessly switched.

## Using onscreen keyboard

You enter text using the onscreen keyboard. Some applications open the keyboard automatically. In others, you click a text field where you want to enter text to open the keyboard.

### 1. To change the keyboard language

If you've used the Android keyboard settings to make more than one language available when using the onscreen keyboard (see Settings > Language and keyboard settings > Android keyboard settings > Input languages), the current keyboard language is displayed on the Space key and you can select languages.

1. Press & hold the Space key.
2. Without lifting your finger, move it to the left or right and the language you want appears in the center of the small window above the Space key.
3. Lift your finger.

If you have many languages available, you may have to repeat these steps to find the language you want.

### 2. To change the input method/keyboard

If you've installed various input methods to input multiple languages, you can switch between different input methods and the corresponding keyboards.

1. Go to Settings > Language and keyboard settings > Input the input method to use for typing the text.
2. Press and hold the text field to pop up the Android keyboard window.
3. Click Input method to pop up the Select input method window. You can also click & hold the input field to pop up the Edit text window and select input method.
4. Click the desired input method/keyboard.

## Applications

Click the  summer icon on the right side of the home screen to view all installed applications.

### 1. File Browser

You can view content or storage to view the icon  on the Home screen or in the Launcher. Open the File Manager interface appears.

- The file stored in the external SD card are under /external/0/ folder.
- The file stored in the external USB mass storage device (USB hard drive, USB hard disk) are under /usbdev/0/ folder.

#### Note

\*Start by the built-in memory space for users to store files. Then, set file under other storages. To check the remaining space, go to Settings > storage > internal storage status page.

How to transfer files from the external SD card into the internal flash memory?

To do so, follow the steps for desired folder to pop out a window and select 'copy'.

To do so, then:

- a. Press Menu button and select 'paste'. Then the desired folder will be pasted under flash.
- b. Press Menu button and select 'create folder' to pop out a window which requests you to input the folder name. After the new folder is created, enter the new folder, press Menu button and select 'paste'. Then the desired folder will be pasted under Removable USB.



- Press MENU to pop out the options menu.
- Press  button to attach the folder to.
- When there is something on the clipboard, the Paste button  is highlighted. Press this button to finish copying the contents. Choose a file and then click the Move button  to pop out a window, and then you can rename, copy, cut, delete the files.

## 2. Apps Installer (Installing Android APK Files)

There are various ways to install applications on your Android device.

To through the Android Market/Playstore:

- a. Open Android Market to browse and search for free and paid applications. Paid applications are not offered in all areas by all carriers. When you open Android Market for the first time, you must agree and accept the terms of service to continue.
- a. When you find an application you want, you can download and install it on your Android device.

Warning: If the application installs access to your data or control of any functions on your

Android device, you are asked to review and grant permission before downloading.

Read the screen carefully, be especially cautious with applications that have access

to many functions or to a significant amount of your data. Once you click OK on this

screen, you are responsible for the results of using the application on your device.

Warning! Before you install non-market applications, make sure the APK files that you get are safe. You are responsible for the results of installing and using these non-market applications.

## 2) Installing single application through Filebrowser

1. Go to Settings > applications, tap "Unknown sources" to allow installation of non-market applications.
2. Copy the APK file you want to install to SD card and insert the card into your Android device.
3. Open File Manager, and find the browser that contains apk file.
4. Long press the folder to pop out the context menu.
5. Tap "Watch video" to select the applications that you want to install. Click on the Install button. And the application will be installed.

## 3) Batch installation through Filebrowser

1. Copy the APK file you want to install to SD card and insert the card into your Android device.
2. Open File Manager, and find the browser that contains apk file.
3. Long press the folder to pop out the context menu.
4. Tap "Watch video" to select the applications that you want to install. Click on the Install button. And the selected applications will be installed.

## 4) Through Apps Installer

1. Use search engine to download the Apps Installer app in the Launcher or on the Home Screen.
  2. A list of uninstalled applications will display.
  3. Select the checked applications and click "Install". The selected applications will be installed.
- You can also copy APK files into SD card or Flash memory, and then use Apps Installer to install the applications.

## 4. Network

Use search engine to download the Network app in the Launcher or on the Home Screen.  
You can access and play the chess/Go in your local network.

## 5. Skype video chat

Use search engine to download the Skype app in the Launcher or on the Home Screen.  
You sign into Skype to chat with your friends. You remain signed in, even when you are using other applications, until you deliberately log out.  
After you have signed into Skype, the following Skype screen appears. Press Menu to pop out the options menu. Click Settings.



The following Settings screen appears. Tap "Enable video calling" so that you can have video chats with your friends.



Press Menu to return to Skype screen and click "Contacts" to display your contact list. Select one contact and you call (Skype to make a Skype call or Skype video call or just send file).



## 6: Browser

You use Internet Explorer to view webpages and to search for information.

After connecting to networks through the PC or network cable, click **Start**, then the browser interface appears as follows.



- Press the right mouse button to close the browser and return to the Home screen.
- Press **Start** on the device screen to show the browser and return to the Home screen.
- Press the **Address** button or **Home** on the device screen to go out the address entry.
- Long press the left mouse button or double click the left mouse button to the blank area to display the menu or web page on screen.

### 1) To scroll a webpage

1. Press and hold **OK** button, and then drag upward to scroll down the screen, drag downward to scroll up the screen. If you cannot scroll down the screen while viewing the screen with content, move the content outside of the view port area and then scroll down the screen.
2. Press **OK** quickly holds on a webpage, view, or other screen to zoom. For example, you double-click a section of a webpage in Internet to zoom the section to fit the width of the screen.
3. Press and hold **Left/Right** to scroll the display content horizontally when there is a scroll bar.
4. Select items by pressing **Left/Right/Up/Down**. Press **Enter** to open the selected item, tapping a link, selecting a web page, and so on. The **Home** button and **Start** button are automatically visible in viewing sites and other items that are close together such as text fields and controls in forms.

### 2) To refresh the current page

Press **Menu** and click **Refresh**. The webpage is reloaded, updating any content that has changed.

### 3) To go back and forward among the pages you have opened

Press the **Back** button. To press **Menu** and click **Forward**.

### 4) To download a file

You can download files and other applications from web pages. Some sites may the **Download** button, and the user options to save the downloaded files. Check out some file downloaded in the menu or task bar, or in the external storage device. Currently, Internet Explorer automatically save downloaded file in the external SD card.

Many applications downloaded from the web can be from unknown sources. To protect your content, devices and personal data, downloaded applications only from trusted sources, such as Amazon Marketplace.

Different webpages offer different mechanisms for downloading pictures, documents, applications, and other files.

Click & hold an image or a file to write or to another webpage. In the menu that opens, click Save.

If the file is in a format supported by an application on the Amazon device, it is downloaded to your SD card.

### 5) To view the files you've downloaded

Press Menu and then More > Downloads. The files you've downloaded are listed in order. Click a file to open it.

### 6) To change Browser Settings

Press Menu and then More > Settings. You can set default users, set "Open new windows behind the current one" web frame option, clear history, restore default settings, and

## 7. Gallery

Use screen rotation or mouse to click the icon  on the Home screen or in the Launcher, and the following gallery view interface appears.



- Click an album to open it and view its contents. Click a picture in an album to view it.
- Press Down to set zoom and buttons to zoom in or out. When the picture is zoomed in, drag the picture to view parts that are not in view. When the picture is zoomed to fit in the window, Press Left or Right to view the next or previous picture in the album.
- Click Selection button to switch to slide show of the pictures in the album. Click a picture to end the selection.
- Press Menu button to display the options menu, including the Share button, the Delete button and the Slide button.



- Press Menu button to open a menu of additional items, including Cropping, Set as wallpaper, Crop, Rotate Left and Rotate Right.



## 8. Music Player

Use screen rotation or mouse to click the icon  on the Home screen or in the Launcher, and the Music Player screen appears, with the top you can use to view your music library organized by Artists, Albums, Songs, or Playlists.



To play music, click a song in your library to listen to it or while viewing a list of songs in an album. Press Menu and then Play All. The Playback screen appears and the song you clicked is the first song in the album or other playlist items to play. The track is the current



shuttle play to enter until you reach the end of the playlist (unless you choose a repeat option). Otherwise, playback stops only if you stop it when other you watch applications.



- Click to start playback.
  - Click to resume playback.
  - Click to skip to the next track of the album, playlist, or shuffle.
  - Click to skip to the previous track of the album, playlist, or shuffle.
  - Click to open the repeated playlist.
  - Click to play the current playlist in shuffle mode (tracks are played in random order).
  - Click to toggle repeat mode. Don't touch. Repeat the playlist, or Repeat the current track. If you don't choose a repeat option in shuffle mode, the tracks in the current playlist play in order until you reach the end of the playlist.
- You can return to the Playlist screen from most other screens in the Music application by pressing Menu and touching **PLAYLIST**. The app returns to the Playlist screen from any other application by opening the Notifications panel and closing the playing music notification.

## 9. Video player (Local Video)

Use second controls to watch or edit the video on the Home screen or in the Launcher, and the following Home Center screen:



- Click to start or stop or pause or resume the video (or to CC (and preview) CC (and) or both in Play or PCC screen).

### 100 storage device

- Click to see the list of played videos.
  - Click to open the settings screen. You can clear history and delete video files.
- Remove all history (playlist) history to get more space.
- Remove deleted (undo) files to remove the file list loading time.
- Click a video file then the following options window will open: Select a video screen and use "Open by default for this screen" next time when you click a video file. The video will be played with the default player. To clear the default setting, go to Settings > Application Settings > Manage Applications > select the default video player — "Use "Clear default"



- Click a video file to open the following playback screen and the video plays. Click the video to see the playback controls for playing, pausing, and stopping (normal) and Forward/Stop the video to go directly to a section of the video.



- Click to control playback.
- Click to mute playback.
- Click to stop playback.
- Click to skip forward.

## Settings

The remote control or touch to open the menu on your device allows to go to the **Settings**. The following settings are available for configuration:

Wireless & networks / Ethernet / Sound / Display / Applications / Notifications / Accessibility / Privacy / Storage / Language & keyboard / Accessibility / Date & time / About device

### 1. Wireless & networks

- Click to turn on Wi-Fi or you can connect to Wi-Fi networks.
- When you go to wireless networks, enter the security key.

### 2. Ethernet settings:



- If you choose "DHCP", then you don't need to input IP address, subnet mask and the default gateway. The IP address will be assigned automatically.
- If you choose to use "Static", if you can use IP settings to enter an IP address and other network settings manually. Click the input field to pop out the soft keyboard so you can input the data. You can also use the touchscreens equipped to input the data directly.
- Press **OK** to confirm.

### 3. Sound settings

Click **Sound** in the Settings screen to adjust volume level.

### 4. Display settings

Using your remote to adjust display settings. If the screen cannot be displayed properly, go to **Settings > Display settings** and select **1. Contrast** + **Press LEFT/RIGHT/UP/DOWN** buttons to select the desired option. Press **OK** to change + Press **Return** to go out the configuration window.



### 5. Applications settings

- **Uninstall updates:** Check to avoid installation of applications that you don't trust (not apps, email, or other business apps that Android Market).
- **Display:** To control your limited device and personal data, uninstall applications only from trusted sources, such as Google Market.
- **Manage applications:** Shows a list of all the applications and other software installed on your device. To, along with their icons, click the **OK** to show only downloaded applications, only running applications, all applications or applications on SD card. By default, they are sorted in alphabetical order. Press **Menu** and then **OK** to stop installing applications in order to see that an application is open to application info screen. Depending on the application, and where it came from, its application info screen may include features for managing the application's data, forcing the application to stop, and uninstalling the application.
- **Running services:** Shows a list of services—applications or parts of applications that provide services for other applications or that run even when their main application isn't running. For example, the Internet connection required. Check each service, and a menu gray bar shows what processes the running service needs and how much memory. To using that much memory, you would know if you stopped the service. Depending on the service, when you click it in the list, other items a dialog to when you can stop it or press to Settings screen.

### 6. Account syn settings

Click **Background data and auto syn settings**.

### 7. Privacy settings

**Factory data reset:** Erases all of your personal data from internal storage, including information about your Google Account, any other accounts, your system and application settings, and any downloaded applications. Restoring your device to state not make any system software updates you've downloaded in your files on your SD card, such as music or photos.

## 8. Storage settings

**SD card, Total space and Available space** ▶ See the amount of space on any SD card installed in your Android TV and the amount you have used to store photos, videos, music, and other files.

**Default SD card** ▶ Choose the SD card from your Android TV so that you can format the card or safely remove it when the option on this setting is dimmed. It works as the SD card default. If you have already unmounted it, or if you have mounted the SD card on your computer.

**Format SD card** ▶ Permanently erases everything on an SD card and prepares it for use with your Android TV. You must unmount an SD card before you can format it.

### Internal flash

**Subtotal memory available space** ▶ The remaining built-in memory space for storage.

**App data available space** ▶ The remaining built-in memory space for App data.

## 9. Accessibility

Setup accessibility.

## 10. Language & keyboard settings

Use the Language & Region settings to select the language for the text and for configuring the onscreen keyboard, including words that you've added to its dictionary.

- **Select language** ▶ Opens the Language screen, where you can select the language to use for the text.
- **Select input method** ▶ You can select the input method to use for typing the text.
- **Android Keyboard settings screen**

The correction and capitalization features affect only the English version of the keyboard.

**Auto-capitalization** ▶ Check to have the onscreen keyboard automatically capitalize the first letter of the first word after a period, the first word in a new field, and each word in name fields.

**Input languages** ▶ Opens the Input Languages screen, where you can check the languages you want to have available when using the onscreen keyboard.

**Quick Keys** ▶ Check to automatically correct some common misspellings as you type.

**Smart suggestions** ▶ Check to show suggested words in a strip above the onscreen keyboard as you type.

**Auto-complete** ▶ Check to automatically enter a suggested word, highlighted in orange in the strip above the keyboard, when you enter a space or punctuation.

## 11. Date & Time settings

Use the Date & Time settings to set date, time zone, time, time format, date format.

## 12. About Device

"About Device" includes information about your Android TV set. It includes Status, Legal information, Model number, Android version,

Serial number, build number, software information.

## Troubleshooting

### 1. No signal on the HDTV

- Check if the HDMI cable is securely connected.
- Check if you have selected the correct HDMI input on your HDTV.

### 2. Cannot turn on your Android TV box.

- Check if the power connector has completely plugged into the DC socket of your Android TV.
- Check if the power supply is stable.

### 3. Cannot connect to network

- Make sure the network cable is securely connected and the Ethernet works well.
- Make sure Wi-Fi network is connected and the security key for the encrypted network is correct.
- Make sure you select the correct IP address setting.

### 4. Some HDTVs cannot display the entire picture.

There are two ways to fix this problem.

- 1) Setup the screen ratio of your HDTV as external. On your HDTV, go to Menu > Screen > Press arrow buttons to select the open logo > Choose automatically display the entire screen.
- 2) On your Android TV box, go to Settings > Display settings > screen size > Customise > Press LEFT/RIGHT/UP/DOWN buttons to select the desired option > Press ON to change > Press Return to pop out the confirmation window.

### 5. Remote control does not respond.

- Make sure the batteries are good.
- Make sure no objects block the path between the remote control and the signal sensor area on your Android TV.
- Make sure the distance between the remote control and your Android TV box is not more than 1 meters.