Enjoy TV Box User Manual

V1.3

1. Introduction

Android TV box is a box where is connected to your TV HDMI input that turn your TV to a multifunction smart TV, a media player, an internet browser with big view, a photo viewer, a game player, a music player, a huge size screen e-book/e-magazine/newspaper reader, a online video TV, and it is a revolutionary entertainment on your TV, it provides a new Television for family entertainment experience, TV is smart from now on.

2. Product Features

- ARM CORTEX A9, frequency is 800MHz, RAM is 256 or 512MB, built in 2/4G flash memory(RAM and flash memory various from model number)
- Powered by OS Android2.2, upgradable to 2.3 or 3.2
- Built in 802.11b/g/n WIFI module, wireless Internet access (some model don't contain wifi)
- RJ45 10/100M Ethernet interface
- Support 1080P video playback
- HDMI video output, connect to HDTV for HD video playback
- USB interface, support mobile HDD, support mouse and keyboard operating.
- Support weather, calendar, and desktop clock gargets
- Support USB mouse and keyboard operation
- Support 2.4G wireless motion (also called air mouse or sky mouse) remote control (various on different model)
- Support FLASH PLAYER10.3, online video playing
- Support music player, picture player and more family entertainment
- Support SD card
- Support Google Chrome browser
- App Installer for application installation from USB/SD card
- Video format support: DAT/MPEG/MPE/MPG/M2V/ISO/TS/VOB/AVI/MKV/MP4/MOV/3GP/3GPP/FLC/AVI/W MA/TS/M2TS/M3TS/M4TS/M5TS/MTS/M4V/FLV/3G2.
- Audio format support: MP3/WMA/WAV/OGG/OGA/FLAC/ALAC/APE/AAC/M4A/AC-3/DTS/RM.

3. Remote control

There are three remote controllers for option, please find the suitable remote which match your actually model

3.1, Motion Mouse with QWERT Keyboard



3.13 How to use Point the arrow buttons to your TV.



3.14 RF receiver connection:

The micro receiver is connected to the inside USB port of Android TV Box at default. Checking Codes:

Press <Y> key and < "> key in the keyboard together, LED keep shining, after 5 seconds, LED go out and enter into code checking state.

Please wait for a short moment in the code checking state, when the LED keep shining, it represent Motion Mouse with QWERT Keyboard successfully finish checking the codes and it is ready to work at the moment.

3.2 M30 remote control



[23] record[24] Stop**3.3 IR remote control**Buttons are defined as below

[03] Shift

[04] Mute

[07] Volume+/-

[08] Page up/down

[05] Up/Down/Left/Right buttons

[06] Digits and alphabetic buttons

for mouse, click OK to confirm,

and click Exit to cancel

[25] Subtitle

[26] Digits keys

Buttons are defined as below picture:



- [11] Notification
- [12] Up/Down/Left/Right/OK buttons
- [13] Menu
- [14] Exit
- [15] Move to left/right page
- [16] Delete
- [17] CVBS
- [18] Rewind/Pause/Fast forward/stop

4. Connections



5. Start Up

5.1 Plug in the power outlet, and connect the Android TV Box with TV through HDMI or (YPbPr) cable.

5.2 It takes about 8 seconds to see the first logo, and 50 seconds to boot up successfully in total.



5.3 Main menu is ready after 50 seconds.

Home screen preview (There are 11 applications are installed as factory settings. It includes APP installer, Calendar, Calculator, Email, Gallery, Music, Setting, Video Player, Browser, Clock and search. Other applications are installed by user)



Desktop



5.4 User also can install different launcher on the box, and get different visual enjoyment. launcher includes UI, operating response, wallpaper and so on.

6. Icons on the home screen



7. Settings

Settings provides individual preference setting functions, you can configuration the system according to your own hobby and demand, as shown in the below.

HOM	🖥 5:21 AM 👾 👾 - D D-2 📰
Settings	
🖆 Networks	
Applications	
III Privacy	
SD card & device storage	
🗛 Language & keyboard	
O Date & time	
About device	
	N

7.1 Networks

Enter Networks menu to set up network connection. The default is Wi-Fi connection.



7.11 Wi-Fi settings

Enter Wi-Fi settings menu, it will scan ambient Wi-Fi networks automatically. Choose useable Wi-Fi access point.

HDMF	🖥 5:22 AM 👾 👾 🗦
Wi-Fi settings	
Wi-Fi Connected to mdtvtest	χ 🗹
Network notification Notify me when an open network is available	
Wi-Fi networks	
Mdtvtest Connected	•
GT Secured with WPA/WPA2 PSK	6
GTWEB Secured with WPA/WPA2 PSK	î
<hidden></hidden>	(î e
ChinaNet-5pMT Secured with WPA/WPA2 PSK	î:
GT-dlink Secured with WPA/WPA2 PSK	Î
Scan	Advanced

7.12 Ethernet configuration

Enter Ethernet configuration menu, there are two connection types, DHCP and Static IP. The default is DHCP. If you want to use Static IP, choose Static IP, and then, IP address, Net mask and DNS address forms will be visible. Mac address is also visible by default.

HDMI		5:26 АМ	
Wireless & network settings Network select Ethernet or Wireless	O Configure Ethernet device		,0
Ethernet Turn off Ethernet	Ethernet Devices: eth0	-	
Ethernet configuration Configure Ethernet devices	Connection Type DHCP		
VPN settings Set up & manage Virtual Private N	Static IP		
	MAC address 00:01:02:65:04:75		
	IP address		
	Netmask		R.
	DNS address		
	Save Discard		

7.13 VPN settings

Enter VPN setting to add VPN, there are four VPN types.

Choose one of them, and click Menu button on the upper right corner or press F1 button on the keyboard to save / cancel settings.

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Add PPTP VPN Point-to-Point Tunneling Protoco

Add L2TP VPN Layer 2 Tunneling Protoc

Add L2TP/IPSec PSK VPN Pre-shared key based L2TP/IPSec VPN

Add L2TP/IPSec CRT VPN Certificate based L2TP/IPSec VPN

7.2 Applications

Go to Applications, you will see all options as below

	4:28 AM 😭 🧹 - 🕼 - 👘
Application settings	
Unknown sources Allow installation of non-Market applications	
Quick launch Set keyboard shortcuts to launch applications	
Manage applications Manage and remove installed applications	
Running services View and control currently running services	
Limit applications Limit the number of running applications	0
Development Set options for application development	

7.21 Unknown sources

It allows you to install non-Market applications.

7.22 Quick Launch Set keyboard shortcuts to launch applications.

7.23 Manage and Running applications. Manage, stop and remove installed applications.

HDMI (SW)			5:28 ам 🚔 👾 🖗 – 🖗 – 👘
Manage applications	(F)		
Downloaded	Running	All	On SD card
Adobe Flash Player 10.3			
AndAppStore		×.	
Astro Player Nova 2.39MB			
HdmiSwitch 72.00KB			
Angry Birds			
Documents To Go 8.09MB			
Dolphin Browser HD 3.01MB			
Facebook 160KB			
File Expert			

7.24 Limit applications

Limit the number of running applications. Allow 3 applications running at the same time by default. If you want to play some 3D games, choose 1 application is better.



7.25 Development You can go to debug mode when USB is connected to the box.



7.3 Privacy

It is included as Factory data reset, Update system and Update system online three options.



7.31 Factory data reset

Double click Reset box, it will delete all data from your box and go back to factory-setting.



7.32 Update system

Copy update firmware into SD card, plug it to the box, and click Update box, it will update your system.

Him Update system		5:32 ам	W . 5	~ ->) +	
This will erase your system partion of your box, warning: • You must put update package in SD card	Update box					

7.33 Update system online

It will detect the latest firmware through internet, and then download it to SD card, after complete, there is a message remind if you want to update now. Click OK to confirm, or click No to cancel.



7.34 If you download the update file on pc, please copy it to SD card, and check the name is update.zip, if not, rename it to update.zip, and all are lowercase, then connect SD card to the box, press the small, black upgrade button at the bottom of the box, at this time, plug in the power adapter, release the button until appear upgrading screen. After finished, the system will restart automatically.

7.4 SD card & Device storage

Check internal storage device and external device like SD card.

Internal device storage	iD card & device storage settings iD card Space 1.8668 Available space 1.6768 Unmount SD card
Total space 1.8668 Available space 1.8768 Unmount SD card Unmount the SD card for safe removal Format SD card Format (erase) the SD card Format device storage Available space	Total space 1.8668 Available space 1.6768 Unmount SD card
1.8668 Available space 1.6768 Unmount SD card Unmount the SD card for safe removal Format SD card Format (erase) the SD card Format device storage Available space	1.8668 Available space 1.6768 Unmount SD card
1.67GB Unmount SD card Unmount the SD card for safe removal Format SD card Format (erase) the SD card Format device storage Available space	1.6768 Unmount SD card
Unmount the 5D card for safe removal Format SD card Format (erase) the 5D card Format (erase) the 5D card Aternal device storage Available space	
Available space	enningen en aver reneren
Available space	
Available space 3.50GB	nternal device storage
	Available space 3.50GB

7.5 Language & Keyboard

7.51 Select language

Press UP/Down buttons to choose language.

HOM .	5:35 AM
Locale	
Bulgarian	
Catalan	
Čeština	
Dansk	
Deutsch (Deutschland)	
Deutsch (Liechtenstein)	
Deutsch (Österreich)	
Deutsch (Schweiz)	
English (Australia)	
English (India)	

7.52 Text settings.

There are two methods by default.

Amlogic Pinyin is for IR remote control with mouse, and Android keyboard is for Motion Mouse with QWERT Keyboard and Model T.

If your remote is IR remote control with mouse, and you want to input URL in Browser, cancel Android Keyboard and any other input method you installed, leave Amlogic Pinyin only.

	🗟 08:51 👾 🛶 - 🖉 - 👘
Language & keyboard settings	and the second se
Select language English (United States)	
Text settings	
Amlogic Pinyin	
Amlogic Pinyin Amlogic Pinyin settings	
Android keyboard	
Android keyboard Android keyboard settings	
Device keyboard Built-in keyboard settings	
User dictionary	

7.6 Date & Time

Set up date and time zone. You also can use internet time as automatic update.

HDMI	🗟 5:37 м 🖓 🖓	
Date & time settings		
Automatic Use network-provided values		V
Set date 7/9/2011		
Set time 5:37 AM		
Select time zone		
Use 24-hour format		×.
Select date format		۲

7.7 About device

Shows model number and system version. It includes Legal information, U boot, Recovery and Kernel version.

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HDMI				8	05:38	w	1) ~ E	
About device				-					
Legal information									
Model number M3 media box board									
Android version 2.2.5									
Uboot version v1.3.3(20110530.104329)									
Recovery version v1.2.6-5-gbd113b8(20110630.102550)									
Kernel version 2.6.34 v1.2.6(20110623.161807)									
Build number DTV.20110705.102146	×								

8. Add/Change Shortcuts, Widgets, Folders and Wallpapers.

Press left mouse button on the home screen for a while to add Shortcuts, Widgets, Folders and Wallpapers.



8.1 Choose Widgets.

	🖥 05:47 👷 🛶 🔟 🛶 👘
Analog clock	
🥶 Astro Player	
🥝 Astro Player (vertical)	
Calendar	R.
92) Go!Chat Last Event	
🔊 gReader Pro	
🔊 gReader Pro (Medium)	
📫 Home screen tips	
🔍 Latitude	

8.2 Change Wallpapers.

Choose Wallpapers, and you can select wallpaper from Gallery, Live wallpapers, Wallpapers.

	🖬 05:49 👾 👾 🗁
HdmiSwitch VideoPlayer	Music
Select wallpaper from	
Gallery	
Live wallpapers	
Wallpapers	Na
Gallery MoreGood News	Wifi Analyzer

Choose one wallpaper and click Set wallpaper to save.



9. Install applications.



Clik App Installer sda(USB disk).

Appinstaller to install applications from sd card, sata(Hard disk) or

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AppInstaller			-1010 + E-
/mnt/sdcard			5
O Choose device to scan apks			
/mnt/sdcard			۲
/mnt/sata			۲
/mnt/sda			0

For example, choose sd card to scan applications.

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Appinstaller	
/mnt/sdcard	5
Scanning dir: 1 dir: 20	

After completed finished, install application as you wish.

If you need to install or uninstall two or more applications at a time, enable them by clicking , it will become green, and then press menu button on the upper right corner or press F1 button to install or uninstall them.

AppInstaller /mnt/sdcard ✓ Ø HiDTV /mnt/sdcard/MyGicaHiDTV_V_1.0.7.apk ✓ PP RepliGo Reader /mnt/sdcard/PDF Reader Go Reader.apk	
HIDTV /mnt/sdcard/MyGicaHiDTV_V_1.0.7.apk	
Imply Secard/MyGicaHIDTV_V_1.0.7.apk Imply RepliGo Reader	
🗻 💵 RepliGo Reader	
★ □ (働人听书) /mnt/sdcard/lanrentingshu.apk	
→ ■ RockPlayer	
News Republic /mnt/sdcard/newerepublic1.4.1.apk	
★ ⑦土豆 /mnt/sdcard/Tudou.apk	
A Cogger Martin Cogger 1.2.apk	
→ WPlayer Unlocker Structure Contraction St	
★ VPlayer /mnt/sdcard/VPlayer v0.9.9.apk	
★ Twifi Analyzer /mnt/sdcard/com.farproc.wifi.analyzer.apk	
Install/Uninstall Select all Unselect all Fresh About	
10. Music	
Music	

10.1 Scan all music files from SD card, USB disk and hard disk automatically.

HDMI			🖥 06:13 👾 👡 📣 – 🛷 📰
Artists	Albums	G Songs	Playlists
Angels Morandi			
Bleeding Love - http://dirrtyc.blogspot.com			4:00
Bu Boyle (Murat Uncuoglu & Emre Dundar Remi Sertab Erener	×)		
Chan Chan Buena Vista Social Club	ĸ		
It's Alright (Radio Edit) ^{Gadjo}			
Lady Modjo			
LADY GAGA - POKER FACE(1) Unknown artist			
Magalenha (tribal mania XTD club mix) Sergio Mendez			
Bleeding Love - http://dirrtyc.blogspot.com			

10.2 Playing music.

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0	***		
	\$		
🔮 Leona Lewis			
💽 Music 🔣 Bleeding Love - http://dirrtyc.blogspot.com			
Construction of the second sec			
0:14		4:00	
11. Video player			



11.1 If you connect SD card, USB disk and USB Hard disk to the box at the same time, it will show sd card, usb sda and sata when you open video player.

11.2 Choose one of them to view video.

HOM		🖥 06:06 👾 👾 🖃
•	/mnt/usb sda/sda1	C
Ⅲ 20110509-023929-SZTV-1-1.ts		
E 20110509-025558-706000-1.ts		
Eagles Farewell.M08.Heartache Tonight.	s	
HDTV_3M_1280x720p.rmvb		
E ISDB-T.ts		
Jason.DonovanSealed.With.A.Kiss.vob	A	8
Ⅰ jy01231104@CHD 少女时代 Oh! 1920x10	80 FullHD GomTV MV.avi	
B laSexta HD_05_17_2011_11_47_00.mpg		
Lost.S05E06.HDTV.XviD-XOR_PC.avi		
B MOV01523.MPG		



11.3 Clik button to find video information, such as, subtitle. resolution, video type abs so on.

12.Browser



You can access any website around the world. Read news, view online videos. 12.1 Input URL.

This is standard Android soft keyboard.

q	w	е	r		у	u	i o	Р
a		5	d f	g	h	j	k	1
Ŷ		2	x c	: v	Ь	n	m	NI
712	3	/						Go

This is IR remote control soft keyboard.



12.2 Press left mouse button on the input window for a while, it will list all input methods you installed.

12.3 Set browser type.

If some websites are not for Android, you can set browser type to Desktop, iphone or ipad mode.

Click Menu button on the upper right corner or press F1 button on keyboard, choose More->Settings, there are four types in the list.

Settings	🗟 05:58 🚔 🔨 🎶 📄
Clear form data Clear all the saved form data	•
Enable location Allow sites to request access to your location	
Set browser type	Ð
Android	۲
Desktop	0
iPhone	0
iPad Is	
	ancel
	•

13. HDMI Switch



Switch HDMI output resolutions. There are 480p, 720p, 1080p. 720p is the default setting.

				6 05:59	1	»* 📄
					++	
Angry Birds		AppInstaller	Astro Player Nova		Calculator	
Calendar	Can Knock PAREL	Hdmi S Hdmi Connected	witch	Polonin Brywser HD		A.
	HDMI 480			\$		T
f	HDMI 720				5	
Facebook	File Expert	Fruit Ninja		GolChat Pro		
HDMI	õ					
HdmiSwitch						

14. How to move an application icon to the desktop.

Select and press left mouse button on the application you want to move for a while, when the icon is becoming bigger than before, it will go to home screen automatically, release left mouse button at this time.

15. How to delete an application icon from the desktop

Select and press left mouse button on the application you want to delete for a while, while the icon is becoming bigger than before, the home icon on the right will become a garbage can, drag the icon to the garbage can, until the icon turn to red, then release left mouse button.



16. This manual is suitable for ATV serious products.