Geniatech

Android TV
HDTV and Internet Video on TV

| Digital TV | Internet TV | Browser | Music Player Picture Viewer E-Book | SNS | Conversation | 3D Game | Connected |

What is Android TV?

Android TV is a TV tuner box, a Media player, a Netbook, a digital photo frame, a game console and a internet set-top, it provides a new television entertainment and brings you very powerful internet TV experience

Android is an open source system, free for manufactures to use

Users can use set top box device with Android TV feature to make your home TV an internet TV

With Android TV, you can view and download several of videos and games to make home TV more than a TV

Connected TV Box

Instant message   Free to air HDTV   Game

Flash

Social networking

HD Local Video

eBooks & eMagazine

E-mail   Online Video   Music Online   Maps

Picture

Watch Unlimited Internet Contents and HDTV on Your Current TV

Box for TV: Make TV samrt and connected

Digtal TV receiver

Genaitech is the first company who provides HDTV on an Android embedded system

The Android TV box supports ATSC/DVB-T/ISDB-T/D-TMB/DVB-S/DVB-S2/DVB-T2 digital TV receiving

HD Media Player

The Geniatech Android TV box supports 1080P video decoding HDMI all-digital high definition multimedia output

Video playback up to 1080p resolution Connects high-definition TV via HDMI interface

Supports HDMI 1.3 digital audio/video interface, supports 720(50/60Hz)/1080i(50/60Hz)/1080P(50/60Hz)

Enjoy Online Service on TV

| Online Music and Video | Send & Receive Email | Flash Support | Buildin Browser | Instant Message | Google Products |

What's more

Android APK installer

The Android Market already offered well over 150,000 applications and this number has only continued to grow. In addition to the applications the Android Market offers, you can also use the Android TV box to install other downloaded third party applications.

Hardware and Firmware

Operating System ANDROID 2.2

This Geniatech Android TV box builted in the Android 2.2
Operating system which provides better performance
and more APK support
Support for file upload fields in the Browser application
Support for installing applications to the expandable memory
Adobe Flash 10.1 support
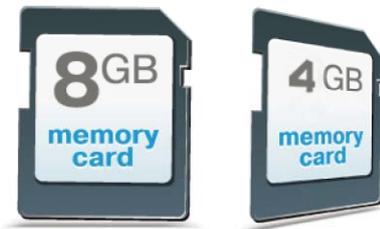Support for extra high DPI screens (320 dpi), such as 4" 720p

CPU

The powerful Amlogic 1GHz Cortex A9 CPU allows users to run
multi tasks during surfing the internet, and switching
between different applications

Storage

Memory: DDRII 512M
Storage: 2GB NAND
SD Card: up to 32GB
USB interface: support large capacity mobile HDD
Both Internal HDD and external HDD are supported

Wired network

Rj45 network connection interface.
Supports wired network connection, built-in WIFI module

1. Preface

Thank you buying this Android TV Box. Please read this manual thoroughly before operating the Android TV Box. Make sure the Android TV Box was not damaged in transit. Should the Android TV Box appear to be damaged, do not install it and contact your dealer. Check that you have all accessories according to the model.

2. Safety Precautions

Preparation:

Put the Android TV Box on a stable surface.

Do not place any material on the Android TV Box.

Do not block or cover the ventilation openings on the Android TV Box.

Connection cables:

Power adapter and cables must be properly routed and protected to prevent people from stepping on them and causing the Android TV Box to fail.

Heating source and humidity:

Keep the Android TV Box dry and away from humidity.

Keep the Android TV Box away from heat sources.

Cleaning and Maintenance:

Unplug the Android TV before cleaning it. Only clean the Android TV Box with a soft and dry cloth. Do not use solvents or liquid.

Prolonged Absences:

Unplug the Android TV Box when unused for long periods of time or during lightning storms.

3. Functions

Build in Android 2.2

Google Browser inside, Flash 10.2 support

Media Player

Gmail

Games without using touch input

Magazine, eBook, Newspaper

Internet Video/Audio/Radio/TV

Import APK files from SD card and USB disk

File Share via LAN/WLAN to PC

3D game

All non-mobile phone application without microphone for Android applications can be used

Build in 3.5/2.5" SATA slot for hard drive (only ATV 3000, 4000)

Build in digital TV tuner for digital receiving (only ATV 2000, 4000)

Live TV PVR (only ATV 2000, ATV 4000)

4. Specification:

Hardware decoding:

Video: Mpeg2, H.264, VC-1 1080P

Audio: Mp3, Wma, Ogg, Wave

TV reception: DVBT, ATSC, ISDBT, DMB-Th (ATV2000 and ATV4000 only)

CPU: ARM Contex A9, 800Mhz, 3D engine

RAM: 256MB DDR2 Nano/Basic

512MB DDR2 Plus/Gold/Premium

Flash Mem: 2GB Nano

4GB Basic

8GB Plus/Gold/Premium

Power: 110-240, 1A / DC 5V 2A

HDMI output: HDMI 1.3

5. Input&Output

5 USB 2.0, 2 external, 3 internal

SDHC Slot

HDMI 1.3 output

100/10M Ethernet

SPDIF output

Line out via RCA

IR remote control receiver

Portable wireless keyboard and touch pad (option)

Can use any wireless keyboard and mouse

6. Package contents

Android TV Box

Power adapter

Motion Mouse with QWERT Keyboard

Batteries

User manual

HDMI cable (option)

7. Android TV Box operation

Connect power adapter to the box, you will see two pages, one shows Android icon, the next one shows android this word. Then it will access to Android TV Box system automatically.

8. Setup

Use the setup application to configure language, and others. For details, see the sections about individual applications.

⑴**. Networks**

Ethernet configuration

Ethernet: Open the Ethernet.

Ethernet configuration

①Select the corresponding devices.

②DHCP/Static IP

If you check "use Static IP", you can enter an IP address/Netmask/DNS address/Default

Router manually, rather than DHCP protocol to obtain network setting from the network itself.(For details, please ask the administrator of the network)

③Save. And then you can see two lights in LAN port, one is green, one is flashing yellow.

⑵.**Applications**

Unknown sources: Allow installation of non-market application.

Quick launch: Set keyboard shortcuts to launch applications.

Manage applications: You can manager and remove installed applications.

Running services: View and control currently running services.

Limit applications: Make sure it has enough memory to enjoy all entertainments smoothly, Limit the number of running applications is necessary.

⑶.**Privacy (Factory data reset)**

This will erase all data from your box, but will not erase current system software and bundled applications and SD card files, such as music or photos.

⑷.**SD card & device storage**

Check the Total, Available space of SD card, you also can format SD card.

⑸.**Language & Keyboard**

Select Language: Open the screen, where you can select the language to use for the text on the system.

Android keyboard: For systems with physical keyboards, uncheck to disable the onscreen keyboard. This setting is available only if there is a physical keyboard.

User dictionary" Open a list of the words you have added to the dictionary.

⑹.**Data and Time**

Automatic means use network-provided values, and the system time will synchronize with the network.

Set data and Set time: You can set manually.

Select time zone: Select the local time zone.

Use 24-hour format: 24-hour (default).

Select data format: 04/26/20//;26/04/2011;2011/04/26.

⑺.**About device**

Information about the system can be viewed here

9. **Applications in the system**

App Installer: Install application from SD card and USB disk.

Browser: Visit website and search for information online.

Music: The music gives you access to your music library.

Video Player: Play all of your videos from SD card, USB disk and HDD.

Gallery: It displays your photo library on screen in high definition.

Email: Send email.

 Settings: Configure language, network, date and time .etc.

 Calculator: Calculation

 Clock: desktop clock

 Calendar

10. Icons on the upper right corner of the screen

 Cable network icon: if you don't connect network, there is no this icon.

 Wireless network icon: it shows the signal strength when it is working.

System Time: Show the current system time.

 Home: Go back to main screen.

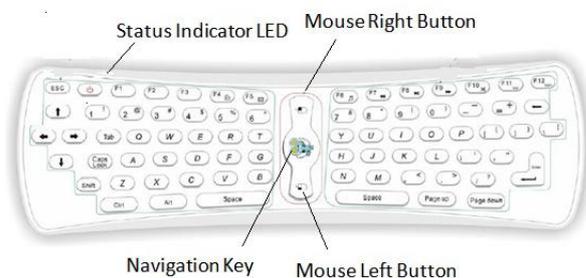 Back: Go back to the last screen.

 Volume+/-

 System Menu/Properties

11. Upgrade firmware

Copy the updated file to USB disk, plug it to USB port of Android TV, press the updated button (on the back of Android TV Box) down, connect power adapter. Then you will see upgrade progress on the screen. Release button and let it upgrade automatically. After finished, Android TV Box will restart automatically.

12. Motion Mouse with QWERT Keyboard

1. Status Indicator LED

If the LED keep shining, it means the connection is successful and Motion Mouse with
    QWERT

can work.

If none of the buttons on the keyboard has been pressed, and the LED (16Hz) flickers quickly, it

Means the power of the batteries is insufficient and you need to replace the batteries

2. Button function

(1). Key(s) location

It is the main component of the product ,the arrangement of the keyboard is the same as the common keyboard, it includes digits keys 、alphabetic keys 、usual operational symbols keys and punctuators keys, and also some necessary control keys

Special key:

F1 MENU

F2 HOME

F3 NOTIFICATION

F4 BROWSER

F5 GMAIL

F6 MUSIC

F7 ZOOMIN/Fast Backward

F8 PLAY/PAUSE

F9 ZOOMOUT/Fast Forward

F10 MUTE

F11 VOL--

F12 VOL++

[ ]Power

(2) . Mouse buttons

[ ] mouse navigation key: press and hold this button or double click this button, the cursor will appear exactly where you point, wave your wrist around.

Single click this button (in this mode, only mouse right and left buttons are workable, the other buttons are useless)

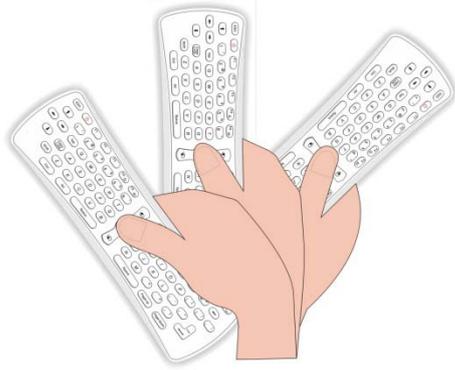[ ] Quick double click: active/de-active suspend mode.

[ ] Mouse left button of the mouse: work the same as the common mouse left button

[ ] Mouse right button of the mouse: work the same as the common mouse right button

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

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.

changes or modifications not expressly approved by the party responsible for compliance
could void the user's authority to operate the equipment

Note: This equipment has been tested and found to comply with the limits for a ClassB 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.