

Android Box ENJOY TV Dual Core Box ATV1600 User's Guide



Thank you for purchasing this Geniatech product. .Before using it, be sure to read the precautions contained in this User's Guide. .Keep the User's Guide in a safe place for future reference. .For the most up-to-date information about this product, visit official website at <u>http://www.geniatech.com</u>

Contents

1. Safety Information, P3-4 1.1 Warning, P3 1.2 Precautions, P3 1.3 Handling Cautions, P4 2. Introduction, P5-7 2.1 Package Contents, P5 2.2 Product Features, P5 2.3 Panel Introduction, P6 2.4 Remote Controller, P6 2.5 Setup Connection, P7 2.6 Display when Power Up, P7 3. Settings, P8-16 3.1 WiFi, P8 3.2 Ethernet, P8 3.3 Date Usage, P9 3.4 More..., P9 3.5 Sound, P10 3.6 Display, P10 3.7 Storage, P11 3.8 Apps, P11 3.9 Accounts & sync, P12 3.10 Security, P13 3.11 Language & input, P13 3.12 Backup & reset, P14 3.13 Add account, P14 3.14 Date & time, P15 3.15 Accessibility, P15 3.16 Developer options, P16 3.17 About device, P16 4. Apps Install & Uninstall, P17 5. Firmware Update, P18 6. Trouble Shooting/FAQ, P19 7. Repairs, P20 8. Specification, P21

1. Safety Information

Read and understand all instructions before using this product. If damage is caused by failure to follow the instructions, the warranty does not apply.

1.1 Warning

To reduce the risk of electric shock, DO NOT remove the cover (or back).

DO NOT attempt to repair the product, this could lead to the risk of injury, damage to the product .

To reduce the risk of fire or electric shock, keep this product away from exposed direct sunlight, naked flames or heat, large amounts of moisture, dust, and sand.

FCC Note (for U.S.A)

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 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.

- Consult the dealer or an experienced radio/TV technician for help.

- This class B digital product meets all requirements of the Canadian Interference -

Causing Equipment Regulations.

1.2 Precautions

Important Safety Instructions

Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below.

Keep these operating instructions handy for future reference.

1.2.1 Read these instructions.

1.2.2 Keep these instructions.

1.2.3 Heed all warnings.

1.2.4 Follow all instructions.

1.2.5 DO NOT use this apparatus near water.

1.2.6 DO NOT clean with any chemical detergent. Clean only with a dry cloth.

1.2.7 DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.

1.2.8 DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.

1.2.9 Protect the power cord from being walked on or pinched particularly at plugs,

convenience receptacles, and the point where it exits the apparatus.

1.2.10 Only use attachments/accessories specified by the manufacturer.

1.2.11 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

1.2.12 Unplug this apparatus during lightning storms or when unused for long period of time.

1.2.13 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

1.3 Handling Cautions

1.3.1 DO NOT expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases on the apparatus.

1.3.2 To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

1.3.3 DO NOT plug multiple electric devices into the same wall socket. Overloading a socket can cause it to overheat, resulting in a fire.

1.3.4 Before connecting other components to this player, be sure to turn them off.

1.3.5 If the product makes an abnormal noise or produces a burning smell or smoke, turn off the power switch immediately and disconnect the power plug from the wall outlet. Then, contact the nearest customer service center for technical assistance. Do not use the product. Using the product as it is may cause a fire or an electric shock.

2. Introduction

2.1 Package Contents

Enjoy TV Dual Core Box - ATV1600

User's Guide

HDMI Cable

AV Cable

Optional Cable RJ45 Network Cable, Fiber Optical Cable, Coaxial Cable

IR Remote Controller (IR RC)

Optional Remote Controller

2.4G wireless Remote Controller

USB wire/wireless Mouse & Keyboard

Power Adapter, Input: AC100 ~ 240V, 50/60Hz, Output: 12V, 1.5A

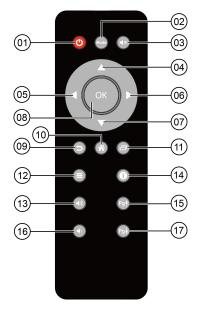
2.2 Product Features

- HDMI input support
- ARM CORTEX A9 x 2, 1.5GHz, RAM is 1G, built in 2G-32G flash memory
- Support Dual Band
- Powered by Android 4.2 OS
- Built in 802.11b/g/n WIFI module, wireless Internet access
- USB interface, support mobile HDD, wired/wireless mouse and keyboard
- RJ45 10/100M Ethernet interface
- Support 1080P video playback
- HDMI video output, connect to HDTV for HD video playback
- Support weather, calendar, and desktop clock gadgets
- Support 2.4G wireless motion Remote Controller
- Support Flash Player 10.2 for hardware decoding, Flash 11.1 for software decoding ,play back online video
- Support music player, picture player and more family entertainment
- Support SD card, 4 USB ports and Google Chrome browser and virtual private network access
- App Installer for application installation from USB/SD card
- Bluetooth 4.0 optionally

2.3 Panel Introduction



2.4 Remote Controller



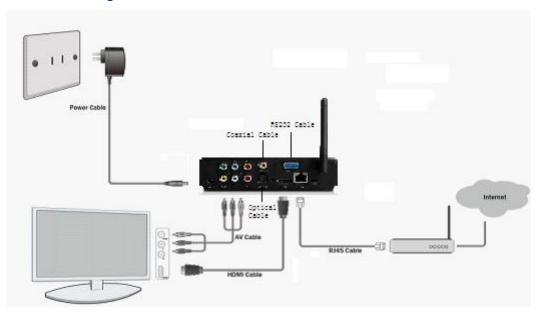
- 1) Power
- 2 Mode
- **③** Mute
- **④** Upwards
- **⑤** Towards the left
- **⑥** Towards the right
- ⑦ Downwards
- 8 OK
- **9** Return

- 1 Home
- Background App
- 12 Menu
- (13) Vol+
- **1** Notification
- **(15)** Page Up
- 16 Vol-
- 1 Page Down

Note: Button Battery 2025 3V insert with correct polarity (+/-).

2.5 Setup Connection

Place ATV1600 on a flat platform near the TV, and make sure nothing block the remote control signal.



2.6 Display when Power Up

2.6.1 After power up, the TV will first show a green robot then change to "android" logo during loading. When loading is finished, it will go to Home screen.



2.6.2 Home Screen display.



3. Settings

Using Navigation (4 directions), OK, EXIT, and Menu keys of Remote Controller to select the options, the option selected will be highlighted and confirmed by pressing OK key. Same operation for text input if needed.

Select icon then press OK key.

3.1 WiFi

3.1.1 It will automatically scan ambient WiFi networks when select "ON".

3.1.2 Connect an available WiFi network. If connect a secured WiFi network, corresponding password will be input firstly. Or fail to connect and need reset password.

3.1.3 Once build up the connection with a certain WiFi network successfully, ATV1220M will connect this WiFi network automatically when restart. Note: If factory reset, the password of WiFi network have to be reset.

				00.01
Settings	ON	6	+	1
WIRELESS & NETWORKS				
🗢 Wi-Fi				
8 Bluetooth				
ille Ethernet				
🕚 Data usage				
More				
DEVICE	Turning Wi-Fi on			
🕀 Sound				
Display				
Storage				
Apps				
PERSONAL				
Location access				

3.2 Ethernet

Connect Box and Router by RJ45 network cable. Press " ON" in Ethernet setting, it will connect to network automatically.

3.3 Date usage

Show data usage information.

		V 00:08
Settings		I
WIRELESS & NETWORKS	Data usage cycle Dec 5, 1969 - Jan 2, 1970	
🗢 Wi-Fi		
Bluetooth		
🛃 Ethernet		
🕚 Data usage		
More	Dec 26, 1969 – Jan 2, 1970: about 0.00B used.	
DEVICE	No apps used data during this period.	
M Sound		
Display		
Storage		
🖄 Apps		
PERSONAL		
October 2015 Control of the second		

3.4 More...

			80:00
Settings	5		
WIR	IELESS & NETWORKS	VPN	
ę	Wi-Fi	Tethering & portable hotspot	
8	Bluetooth		
	Ethernet	Proxy settings	
O	Data usage		
	More		
DEV	/ICE		
4 1	Sound		
0	Display		
	Storage		
<u> </u>	Apps		
PEF	RSONAL		
٢	Location access		
OEV OEV OEV PEP	Data usage More Ince Sound Display Storage Apps ISSONAL		

3.4.1 VPN Build and set VPN 3.4.2 Tethering & Portable hotspot3.4.3 Proxy settingsSetup proxy server

3.5 Sound

\$		00:09
Settings		
WIRELESS & NETWORKS Wi-Fi Bluetooth	Volumes SYSTEM Default notification sound Pixie Dust	
EthernetO Data usage	Touch sounds sound devices manager	
More DEVICE	Sound Input Devices	
🐠 Sound	Sound Output Devices	
Display		
E Storage		
Apps Personal		
Ensource		

3.6 Display

\$		00:09
Settings		
WIRELESS & NETWORKS ♥ Wi-Fi I Bluetooth I Ethernet I Data usage More DEVICE	Font size Normal Wireless display Disabled	
الله Sound		
Display		
Storage		
🖄 Apps		
PERSONAL		
Location access		

3.6.1 Font size Change the font size of OSD

				00:09
	Font size Normal			
	Wireless display			
	Uisabled			
Font size				
Small		0		
Normal		۲		
Large		0		
Huge				
	Cancel			
	Normal Large	Normal Wireless display Disabled Font size Small Normal Large Huge	Normal Wireless display Disabled Font size Small Normal Large Huge	Normal Small Normal Large Huge

3.6.2 Wireless display

3.7 Storage

Shows the storage used of the OS and SD card.

Settings	
	INTERNAL STORAGE
WIRELESS & NETWORKS	
🗢 Wi-Fi	
8 Bluetooth	Total space 2.26GB
🛃 Ethernet	Available 2.1768
O Data usage	
More	Apps (app data & media content) 52.53MB
DEVICE	Cached data
M Sound	б40кв Мізс.
Display	20.00KB
	SD CARD
🗮 Storage	
🕿 Apps	Mount SD card Insert an SD card for mounting
PERSONAL	
Location access	

3.8 Apps

List all apps installed.

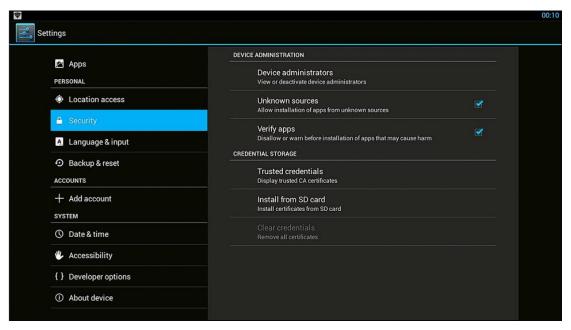
\$		00:10
Settings		1
	DOWNLOADED	RUNNING
WIRELESS & NETWORKS		
🗢 Wi-Fi		
8 Bluetooth		
🗐 Ethernet		
O Data usage		
More		
DEVICE	No apps.	
N Sound		
Display		
Storage		
Apps		
PERSONAL		
Location access	Internal storage	2.2GB free

You can choose an application and force to shut down the app, uninstall the app, clear user data, move to SD card and clear cache data.

3.9 Location access

Settings	
WIRELESS & NETWORKS	Access to my location Let apps that have asked your permission use your location information LOCATION SOURCES
BluetoothEthernet	Wi-Fi & mobile network location Let apps use Google's location service to estimate your location faster. Anonymous location data will be collected and sent to Google.
O Data usage More	
DEVICE	
DisplayStorage	
Apps Personal	
 Location access Security 	

3.10 Security



3.11 Language & input

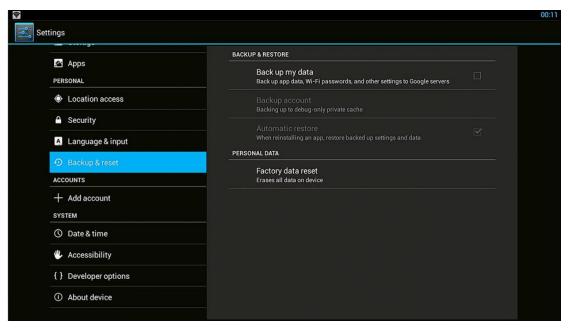
\$		00:11
Settings		
Apps	Language English (United States)	
PERSONAL	Spell checker	<u>₽</u>
Location access		
Security	Personal dictionary	
A Language & input	KEYBOARD & INPUT METHODS	
D Backup & reset	Default English - Remote controller input method	
ACCOUNTS	Android keyboard (AOSP)	
+ Add account	Android keyboard (AUSP) English (US)	丰
SYSTEM	Remote controller input method	<u>I</u>
O Date & time	SPEECH	
Accessibility	Text-to-speech output	
{ } Developer options	MOUSE/TRACKPAD	
① About device	Pointer speed	

Change OSD language and input method.

The default input method is android standard keyboard.

If you are using our IR remote control, enter into "Default" option and switch to remote controller input method.

3.12 Backup & reset



Back up my data:

You can backup your application data, WiFi password and other settings.

Factory data rest:

You can reset all the settings and apps to factory default.

Note: You might want to backup important data before resetting the box. Once you choose to rest to factory default, all data/apps will be deleted.

3.13 Add account

(P					00:12
Settings		OFF	69	+	
Apps	Add an account				
PERSONAL	Corporate				
Location access					
Security					
A Language & input	8 Google				
😟 Backup & reset					
ACCOUNTS		on.			
+ Add account					
SYSTEM					
① Date & time					
Accessibility					
{ } Developer options					
① About device					

3.14 Date & Time

Set date, time, time zone and time format

Apps	Automatic date & time Use network-provided time	
ERSONAL	Set date 1/2/1970	
 Location access Security 		
🛓 Language & input	Select time zone GMT+00:00, GMT	
Backup & reset accounts	Use 24-hour format	
+ Add account	Choose date format 12/31/1970	
Date & time		
Accessibility		
} Developer options		
 About device 		

3.15 Accessibility

Apps	SERVICES		
ERSONAL		No services installed	
Location access	SYSTEM		
Security	Large	text	
Language & input	Need a screen reader?		
Э Backup & reset ссоимтя	TalkBack provides spoken feedback to want to install it for free from Android I	help blind and low-vision users. Do you Market?	
 Add account 	Cancel	ок	
TEM			
Date & time			
Developer options			
About device			

3.16 Developer options

•			00:12
Settin	gs		SN
	Apps	Take bug report	
	ERSONAL	Desktop backup password	
	Location access	Desktop backup password Desktop full backups aren't currently protected	
	Security	Stay awake Screen will never sleep while charging	
	A Language & input	Protect SD card Apps must request permission to read SD card	
	D Backup & reset	DEBUGGING	
	CCOUNTS	USB debugging	
	+ Add account	Debug mode when USB is connected	
	YSTEM	Power menu bug reports Include option in power menu for taking a bug report	
	Date & time	include option in power menu for taking a bug report	
_		Allow mock locations Allow mock locations	
	Accessibility		
	} Developer options	Select debug app No debug application set	
_	D About device	Wait for debugger Debugged application waits for debugger to attach before executing	

If user want to do some debugging on box by ADB, enable USB debugging, you will get ADB function by Ethernet or WiFi network.

3.17 About device.

ttings	
Apps	Status Status of the battery, network, and other information
PERSONAL Ocation access	Legal information
▲ Security	Model number MBX reference board (stvmx)
A Language & input	Android version
D Backup & reset ACCOUNTS	Uboot version 28c21ab(20140410.170650)
+ Add account	Recovery version a3e76ab-4b913a1-dirty(20140410.172938)
O Date & time	Kernel version 3.0.50-gdb913a1 jø@ub124.a9e76ab-db913a1(20140410.171633)
🖐 Accessibility	Build number v0058001.20140410
{ } Developer options	
① About device	

Firmware version under build number.

4. Apps Install & Uninstall

On ATV1600, you can install apps from Android Market over the Internet or other sources, such as other online sources, the internal storage and the USB storage device and SD card that you have mounted onto ATV1600.

You also can manage apps on ATV1600 and SD card, install/uninstall apps, stop running apps, or select other options.

5. Firmware Update

You can download newest firmware from Geniatech Official website: <u>www.geniatech.com</u>

6. Trouble Shooting/FAQ

6.1 No Picture

Refer to the TV user manual for how to select the correct video input channel.

6.2 USB Content cannot be read

- . The format of USB storage device is not supported
- . The supported memory size is 32G maximum.
- . Make sure that this player supports these files.

6.3 Remote Controller cannot respond quickly to the pressing of keys

Make sure that batteries have enough power.

6.4 The firmware updating is not complete after a long time

If you update the firmware over the online service, it may take a long time to download the firmware update files from the server. To save your time, update the firmware through the SD card.

7. Repairs

If you contact us to repair your player, an administration fee may be charged if either: An engineer is called out to your home at your request and there is no defect in the product.

You bring the unit to a repair center and there is no defect in the product. We will provide you with the amount of the administration fee before we make a home visit or begin any work on your player.

We recommend you read this manual throughly, search for a solution on line at <u>www.geniatech.com</u>, or contact Geniatech Customer Care before seeking to repair your player.

8. Specification

I I						
CPU	Dual core ARM CORTEX A9 1.5GHz,3D engine					
GPU	Mali 400MP2 @400MHz					
RAM	1G DDR3					
ROM	4G, built in 2G-32G Flash memory(optional)					
OS	Android 4.2 OS					
Optional	CEC					
USB	4×external USB HOST and 1×Micro USB					
DC Input	12V-1.5A					
SD Slot	Max: 32G					
Video Output	HDMI/CVBS/YPbPr					
Audio Output						
IR receiver						
LAN	RJ45 10/100M Ethernet interface					
WiFi	IEEE 802.1 1B/G/N Dual Band 2.4G/5.8G, wireless Internet access					
Bluetooth	BT4.0					
Audio Decode	er MPEG MP1, MP2, MP3					
	WMA WMA Ver: 4, 4.1, 7, 8, 9 WMA Pro					
	Others WAV, OGG, OGA, FLAC, ALAC, Ape, AAC, M4A, AC3, DTS, RM					
Video Decode	Max. Performance:1920x1080p @ 30fps					
	MPEG DAT, MPEG, MPG, MPE					
	MPEG2 MPEG, MPE, MPG, M2V, ISD, TS, VOB					
	MPEG4 AVI, MOV, MP4, MKV, 3GP, 3GPP, FLC					
	Divx Divx 3, 4, 5(AVI), Xvid(AVI)					
	H.264 AVI, MOV, MP4, MKV, TS, M2TS, M3TS, M4TS, M5TS, MTS, M4V,					
	FLV					
	H.263 AVI, FLV, 3GP, 3GPP, MOV, MP4, 3G2					
	VC1 AVI, TS					
	WMV WMV, AVI					
Image	Memory limitation, 8000x8000 pixels					
Movie Subtitl	e Font Sub-title ASS, SMI, SRT, SSA, TXT					
	Image Sub-title idx/sub					
Storage Syste	n FAT16, FAT32, EXT2, EXT3, NTFS					
Size	161 X 131X 39mm					
Net Weight	450g					

9. Trademark Notice



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