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Ugoos AM6B PLUS

Ugoos AM6B Plus TV Box Instruction Manual

MODEL: AM6B PLUS

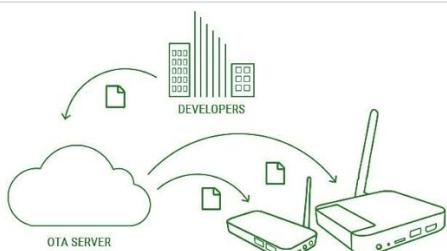
Introduction

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Ugoos AM6B Plus TV Box. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

What's in the Box

Upon opening the package, verify that all the following items are included:

- Ugoos AM6B Plus TV Box
- IR Remote Control
- 2 Dual-Band Antennas
- 12V 2A Power Adapter (with interchangeable plugs for US/EU/UK/AU)
- HDMI Cable
- User Manual (English)



OTA (over-the-air) Updates

When your device gets an update, you will be the first who knows about this. Just stay connected and the system will install it automatically.



Figure 1: Package Contents. This image displays all items included in the Ugoos AM6B Plus TV Box retail package, including the TV box, IR remote, two dual-band antennas, power adapter with various plug types, HDMI cable, and the user manual.

Your browser does not support the video tag.

Video 1: Unboxing the Ugoos AM6B Plus TV Box. This video demonstrates the unboxing process and showcases all components included in the package, providing a visual guide to verify contents.

Product Overview

The Ugoos AM6B Plus TV Box features a compact and sleek design, optimized for efficient heat dissipation and easy integration into your home entertainment system.

Front and Side Views



Figure 2: Front view of the Ugoos AM6B Plus TV Box with its remote control. This image highlights the compact design of the TV box and the included IR remote.



Figure 3: Side view of the Ugoos AM6B Plus TV Box with dual-band antennas. This perspective shows the device's profile and the two antenna ports on the side.

Rear Ports and Connections



Figure 4: Rear view of the Ugoos AM6B Plus TV Box showing various connectivity ports. This image details the available ports for external connections.

The device is equipped with a variety of ports for versatile connectivity:

- **LAN:** Gigabit Ethernet port for wired network connection.
- **USB:** Multiple USB 2.0 and USB 3.0 ports for external storage or peripherals.
- **HDMI:** HDMI 2.1 port for video and audio output to a display.
- **SPDIF:** Optical audio output for high-quality digital audio.
- **DC 12V:** Power input port.
- **AV-OUT:** Analog audio/video output.
- **AUX-IN:** Auxiliary audio input.
- **TF-CARD:** MicroSD card slot for storage extension.
- **OTG:** On-The-Go USB port.

Setup Guide

Connecting the TV Box

1. **Power Connection:** Connect the 12V 2A power adapter to the DC 12V port on the TV box and then plug it into a power outlet.
2. **HDMI Connection:** Use the provided HDMI cable to connect the HDMI port on the TV box to an HDMI input port on your television or display.
3. **Network Connection (Optional):** For a wired connection, connect an Ethernet cable from your router to the LAN port on the TV box. For Wi-Fi, you will configure it after initial boot-up.

Attaching Antennas

Screw the two dual-band antennas clockwise into the designated antenna ports on the side of the TV box. Ensure they are securely fastened for optimal wireless signal reception.



Figure 5: Side view highlighting the antenna connection points. This image shows where the dual-band antennas should be attached.

Operating Instructions

Initial Power On

After connecting all necessary cables, press the power button on the TV box or the remote control to turn on the device. The device will boot into the Android 9.0 interface.

Remote Control Pairing

The included IR remote control may require pairing for full functionality, especially for Bluetooth features. Refer to the "REMOTE CONTROL INSTRUCTION" paper included in the package for detailed pairing steps. Typically, this involves holding down specific buttons on the remote until an indicator light flashes, then searching for the remote in the TV Box's Bluetooth settings.

Your browser does not support the video tag.

Video 2: Remote Control Overview and Pairing. This video segment provides a closer look at the IR remote control and briefly mentions the pairing instructions, emphasizing the importance of reading the included guide.

Android 9.0 Interface

The Ugoos AM6B Plus runs on Android 9.0 Pie, offering a user-friendly interface. Navigate through menus and applications using the remote control's directional pad and OK button.

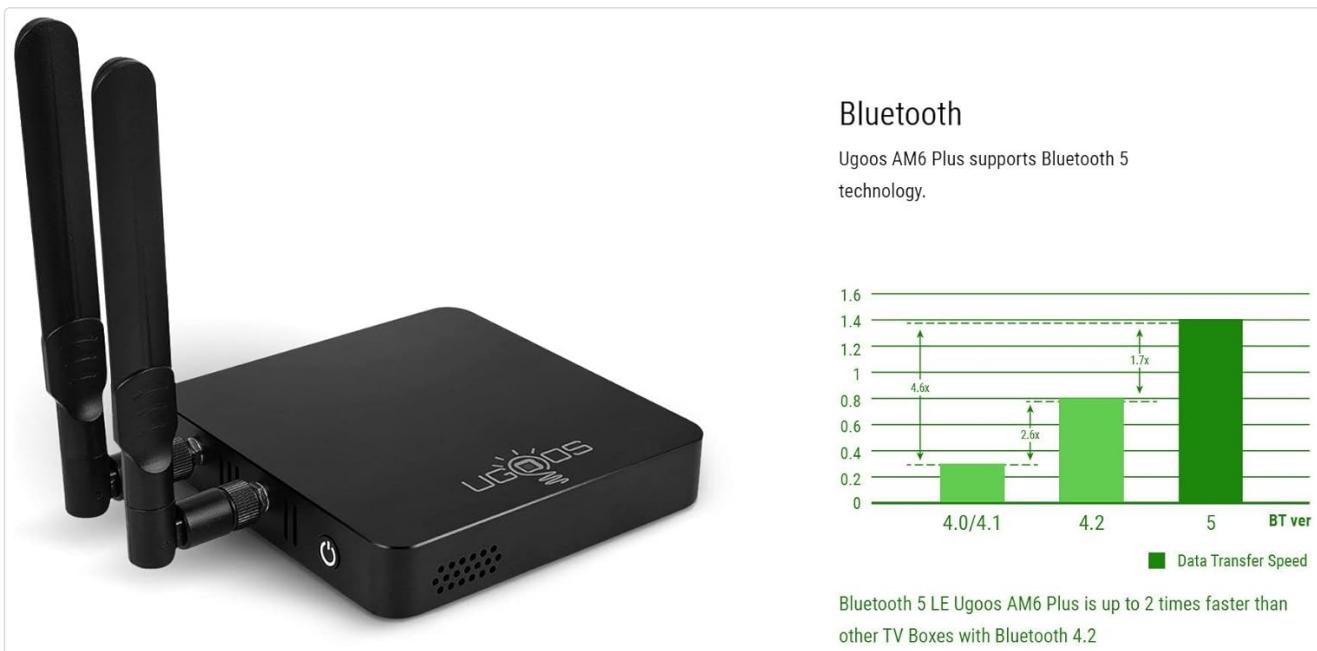


Figure 6: Screenshot of the Android 9.0 Pie operating system interface. This image illustrates the visual layout of the Android 9.0 system running on the device.

Network Configuration (WiFi6 and Ethernet)

To connect to a wireless network, go to **Settings > Network & Internet > Wi-Fi**, select your network, and enter the password. For wired connections, ensure the Ethernet cable is properly connected; the device should automatically establish a connection.



Figure 7: Diagram illustrating WiFi6 MIMO technology. This graphic highlights the advanced wireless capabilities of the TV box for efficient and stable data transfer.

Bluetooth 5.0 Connectivity

To pair Bluetooth devices such as headphones or gamepads, navigate to **Settings > Connected devices > Pair new device**. Select your device from the list to connect.



Processors Comparison



According to results of AnTuTu Benchmark tests.



Ugoos Settings

Every brand Ugoos TV Box has a set of Unique Features which you have no chances to meet on any other Android devices.

	ROOT		Gamepad Settings
	Samba Server		Debug Settings
	Playback Settings		User Scripts
	Hardware Monitor		System Bars
	Wireless Assistant		Input Devices Settings

Figure 8: Comparison chart of Bluetooth data transfer speeds. This chart demonstrates the improved speed of Bluetooth 5.0 compared to older versions, supported by the Ugoos AM6B Plus.

Maintenance

System Updates (OTA)

The Ugoos AM6B Plus supports Over-The-Air (OTA) updates. Ensure your device is connected to the internet to receive and install the latest firmware updates automatically. Regular updates provide performance improvements and security enhancements.



Ugoos Settings

Every brand Ugoos TV Box has a set of Unique Features which you have no chances to meet on any other Android devices.

#	ROOT	Gamepad Settings
File	Samba Server	Debug Settings
Media	Playback Settings	User Scripts
System	Hardware Monitor	System Bars
Network	Wireless Assistant	Input Devices Settings

Figure 9: Illustration of the OTA update mechanism. This diagram shows how the device receives and installs updates from the server, ensuring the system remains current.

Heat Dissipation

The device is designed with ventilation holes to ensure proper heat dissipation. To maintain optimal performance and prevent overheating, ensure the TV box is placed in a well-ventilated area and that the vents are not obstructed.



Figure 10: Side view of the TV box highlighting the ventilation design. The perforated side panels are crucial for maintaining internal temperature.

Troubleshooting

If you encounter any issues with your Ugoos AM6B Plus TV Box, refer to the common problems and solutions below:

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet. Verify the power outlet is active.
- **No Display:** Check the HDMI cable connection between the TV box and your TV. Ensure your TV is set to the correct HDMI input source. Try a different HDMI cable or port if available.
- **Remote Control Not Responding:** Check the batteries in the remote control. If the remote is Bluetooth, ensure it is properly paired with the TV box as per the remote control instruction paper.
- **Network Connectivity Issues:** For Wi-Fi, double-check your Wi-Fi password in the device settings. For Ethernet, ensure the cable is securely plugged into both the TV box and your router. Restart your router and the TV box.
- **Applications Not Working:** Ensure the application is updated to the latest version. Clear the app's cache and data in **Settings > Apps & notifications > App info**. Reinstall the application if necessary.

Recovery Options

For advanced troubleshooting or firmware recovery, the device includes 'Maskrom' and 'Recovery' buttons, typically located in small recessed holes on the bottom of the device. These are used for flashing firmware and should only be accessed by experienced users or under specific technical guidance.

Technical Specifications

Below are the detailed specifications for the Ugoos AM6B Plus TV Box:

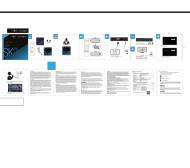
Feature	Specification
Processor	Amlogic S922X-J (Quad core ARM Cortex-A73 and dual-core ARM Cortex-A53 CPU)
GPU	ARM MaliTM-G52 MP6
Memory	4GB LPDDR4
Internal Storage	32GB (eMMC)
Storage Extension	MicroSD Card, up to 32GB (SD2.X, SD3.X, SD4.X, eMMC vers5.0)
Operating System	Android 9.0
Wireless Connectivity	IEEE 802.11 a/b/g/n/ac/ax WiFi 6 2x2 MIMO
Network	IEEE 802.3 10/100/1000M Ethernet
Bluetooth	Bluetooth 5.0 with LE Technology
HDMI Output	HDMI 2.1 Type-A 4Kx2K@60fps max resolution
Peripheral Interface	2xUSB 2.0 and 1xUSB 3.0 High Speed, HDMI 2.1

Supported Video Formats	VP9 Profile-2, H.265 HEVCMP-10@L5.1, H.264 AVC HP@L5.1, H2.64 MVC, MPEG-4 ASP@L5, WMV/VC-1 SP/MP/AP, MPEG-2 MP/HL, MPEG-1 MP/HL
Supported Audio Formats	MP3, AAC, WMA, RM, FLAC, Ogg and programmable with 7.1/5.1 down-mixing
Power	12V 2A

Warranty and Support

For warranty information and technical support, please refer to the official Ugoos website or contact your retailer. The included English User's Manual also contains important information regarding product care and support.

Related Documents - AM6B PLUS

	<p><u>UGOOS Android TV Box User Manual</u></p> <p>Comprehensive user manual for UGOOS Android TV Boxes, covering device connection, setup, Wi-Fi, app installation, internet browsing, media playback, gaming, remote control, file sharing, gamepad settings, daydream, hardware monitoring, and FCC compliance.</p>
	<p><u>UGOOS Android TV Box User Guide</u></p> <p>Comprehensive user guide for UGOOS Android TV Boxes, detailing setup, connection, software configuration, app management, network settings, and advanced features like Samba Server and Gamepad support.</p>
	<p><u>Ugoos X5MPRO Android TV Box User Manual: Setup and Features</u></p> <p>Comprehensive guide for the Ugoos X5MPRO Android TV Box, covering device connection, language settings, Wi-Fi setup, application management, internet browsing, media playback, gaming, root access, file sharing, gamepad configuration, daydream settings, and hardware monitoring.</p>
	<p><u>UGOOS SK2 4K UHD Streaming TV Box User Guide</u></p> <p>Comprehensive user guide for the UGOOS SK2 4K UHD Streaming TV Box, covering setup, features, safety information, and compliance details.</p>
	<p><u>Ugoos UR-02 Firmware Upgrade Guide</u></p> <p>A guide on how to upgrade the firmware for the Ugoos UR-02 remote control via Bluetooth.</p>



[Ugoos Remote UR02: Features and Instructions](#)

Learn about the Ugoos Remote UR02, a versatile remote control with infrared and Bluetooth connectivity, voice search, and air mouse functionality. This guide details its features, button settings, pairing, and calibration.