X88 X96MINI16G

X96 Mini Android TV Box User Manual

Model: X96MINI16G | Brand: X88

1. Introduction

Thank you for choosing the X96 Mini Android TV Box. This device transforms your television into a smart entertainment hub, offering access to a vast array of online content, applications, and media. Powered by Android 11.0 and an Amlogic S905W2 Quad Core processor, it delivers a smooth and responsive user experience with support for 4K/6K resolution and advanced video decoding technologies like AV1 and HDR10+.
This manual provides essential information on setting up, operating, maintaining, and troubleshooting your X96 Mini Android TV Box. Please read it thoroughly before use to ensure proper functionality and to maximize your viewing experience.

2. Package Contents

Carefully unpack your X96 Mini Android TV Box and verify that all the following items are included:

- X96 Mini Android TV Box
- Power Adapter
- HDMI Cable
- Remote Control (Airmouse Voice Control)
- User Manual



Image: Contents of the X96 Mini Android TV Box package, including the TV box, power adapter, HDMI cable, remote control, and user manual.

3. Product Overview and Features

The X96 Mini Android TV Box is designed for high-performance media playback and smart TV functionality. Key features include:

- **Latest Android 11.0 OS:** Provides an improved user interface and enhanced privacy features.
- **Amlogic S905W2 Quad Core CPU:** ARM Cortex A35 processor running at 2.0 GHz for fast and stable operation.
- **2GB RAM & 16GB ROM:** Ample memory for smooth multitasking and storage for apps and media.
- **Dual-Band Wi-Fi (2.4G/5.8G) & Bluetooth 4.2:** Stable and fast wireless connectivity, including 802.11ac for 5G Wi-Fi.
- **4K/6K Resolution Support:** Enjoy ultra-high-definition video with professional HDR10 and AV1 video decoding.
- **Miracast Support:** Wirelessly mirror content from compatible devices to your TV.



Image: The X96 Mini Android TV Box alongside its included airmouse remote control.

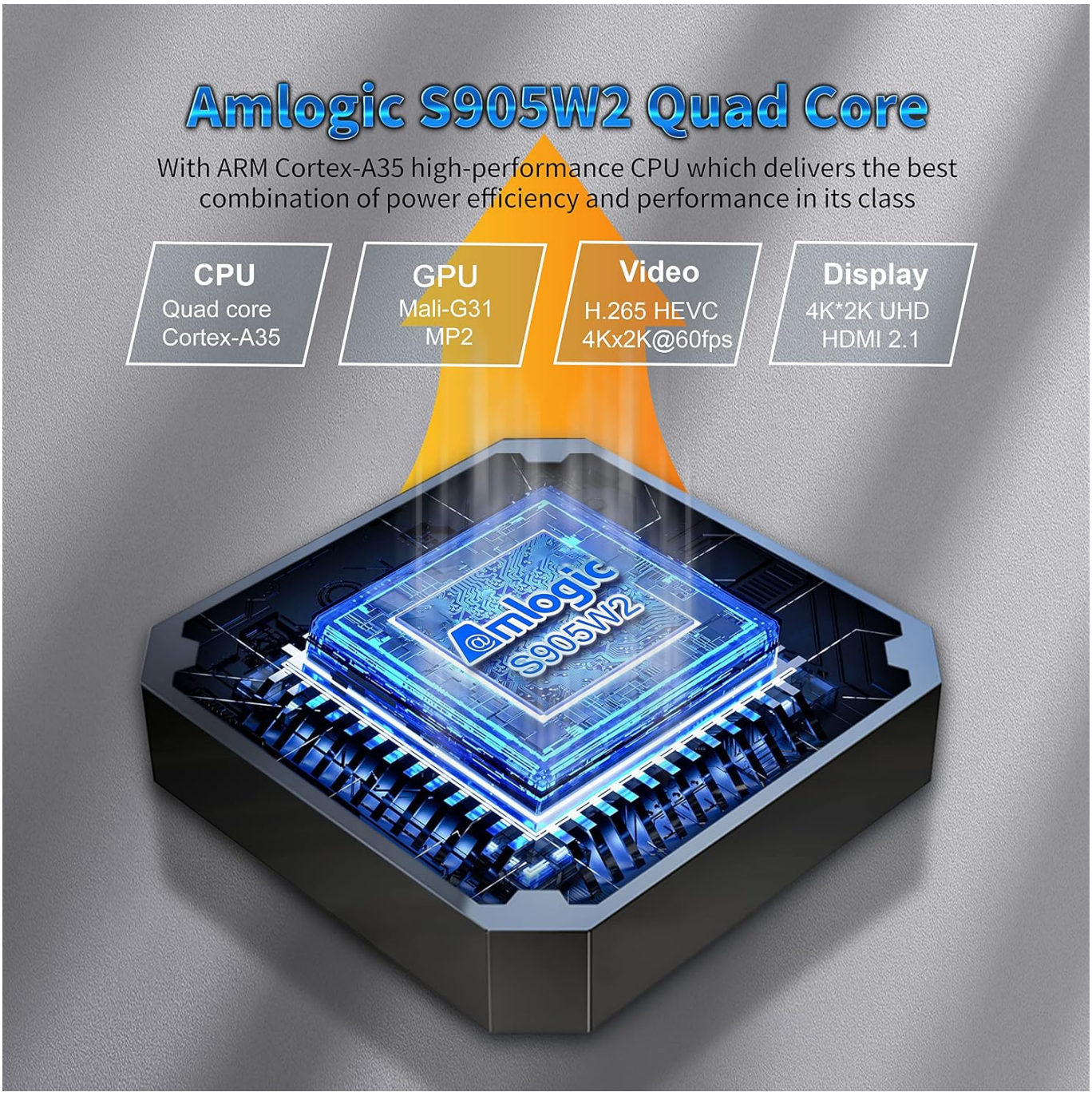


Image: A detailed diagram highlighting the Amlogic S905W2 Quad Core processor, emphasizing its ARM Cortex-A35 CPU, Mali-G31 MP2 GPU, H.265 HEVC 4Kx2K@60fps video decoding, and 4K*2K UHD HDMI 2.1 display capabilities.



Image: A television screen displaying a high-definition scene with cars, illustrating the benefits of AV1 video decoding compared to VP9 and H.265, showing 20%-30% efficiency gain.

4. Setup Guide

Follow these simple steps to connect your X96 Mini Android TV Box and begin streaming:

1. **Connect TV Box to TV:** Use the provided HDMI cable to connect the HDMI port on the X96 Mini TV Box to an available HDMI input on your television.
2. **Connect to Power:** Plug the power adapter into the DC 5V port on the TV Box, then plug the adapter into a wall outlet. The device will power on automatically or can be turned on using the remote control.
3. **Connect to Internet:** Once the device boots up, navigate to the network settings. You can connect via Wi-Fi (2.4G or 5.8G) or by plugging an Ethernet cable into the LAN port for a wired connection.
4. **Start Streaming:** After connecting to the internet, you can access pre-installed apps like YouTube, Netflix, and the Google Play Store to download more applications and enjoy your favorite content.



Image: Visual guide demonstrating the three simple setup steps: 1. Connect TV Box to TV, 2. Connect to internet, 3. Start in streaming.

5. Operating Instructions

5.1 Remote Control Functions

The X96 Mini comes with an airmouse voice control remote. Familiarize yourself with its buttons for optimal navigation:

- **Power Button:** Turns the device on/off or puts it into standby.
- **Navigation Pad (Directional Buttons):** Move cursor or selection.
- **OK Button:** Confirm selection.
- **Back Button:** Return to the previous screen.
- **Home Button:** Return to the main home screen.
- **Volume Buttons:** Adjust audio volume.
- **Microphone Button:** Activate voice control (if supported by the application).
- **Mouse/Airmouse Toggle:** Activates or deactivates the airmouse function.

5.2 Basic Navigation

Once powered on, the X96 Mini will display its Android home screen. Use the remote control's directional buttons or airmouse function to navigate through applications, settings, and content. Select an icon by moving the cursor over it and pressing the OK button.

5.3 Connectivity Features

- **Wi-Fi:** Connect to your home wireless network via Settings > Network > Wi-Fi.
- **Bluetooth:** Pair Bluetooth devices like headphones or game controllers via Settings > Connected devices > Pair new device.
- **Miracast:** Use the pre-installed Miracast application to mirror your smartphone or tablet screen to your TV. Ensure your mobile device also supports Miracast.



Image: An illustration of the X96 Mini TV Box's capabilities, including AirPlay and Miracast for screen mirroring, and the airmouse remote's features like 2.4G connectivity, gyroscope, and voice control.

6. Maintenance

To ensure the longevity and optimal performance of your X96 Mini Android TV Box, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the device is placed in a well-ventilated area. Do not block the ventilation holes. The X96 Mini features a super heat dissipation design with multiple vents.
- **Power Off:** When not in use for extended periods, it is recommended to power off the device and unplug it from the power outlet.
- **Software Updates:** Periodically check for system updates in the device settings to ensure you have the latest features and security patches.



Image: An exploded view diagram of the X96 Mini TV Box, illustrating its internal components and the airflow path for super heat dissipation through multiple vents, enhancing safety and practicality.

7. Troubleshooting

If you encounter issues with your X96 Mini Android TV Box, refer to the following common problems and solutions:

Problem	Possible Solution
No power/Device won't turn on	Check if the power adapter is securely connected to the device and the power outlet. Try a different outlet.
No picture on TV screen	Ensure the HDMI cable is securely connected to both the TV Box and the TV. Verify the TV input source is set to the correct HDMI port.
Remote control not working	Check the remote control batteries and replace if necessary. Ensure the USB receiver for the airmouse remote is plugged into a USB port on the TV Box.

Problem	Possible Solution
No internet connection	For Wi-Fi: Check Wi-Fi settings, ensure correct password, and that your router is working. For Ethernet: Ensure the cable is connected and your router is providing internet. Restart the TV Box and your router.
Apps are slow or freezing	Close background applications. Clear app caches in Settings > Apps. Restart the device. Ensure sufficient storage space.
Video playback issues (stuttering, low quality)	Check your internet speed. Ensure the video source supports your current bandwidth. Try a different video file or streaming service.

If the problem persists after trying these solutions, please contact customer support.

8. Specifications

Detailed technical specifications for the X96 Mini Android TV Box:

Feature	Specification
Operating System	Android 11.0
Processor (CPU)	Amlogic S905W2 Quad Core ARM Cortex A35 (2.0 GHz)
Graphics (GPU)	Mali-G31 MP2
RAM	2GB
Internal Storage (ROM)	16GB
Wi-Fi	Dual-Band 2.4G/5.8G (802.11 b/g/n/AC)
Bluetooth	BT 4.2
Video Output	HDMI 2.1 (Supports 4K@75fps / 6K)
Video Decoding	AV1, HDR10+, H.265 HEVC
Connectivity	HDMI, 2x USB ports, Ethernet (LAN), AV port, IR port, TF Card slot, DC 5V Power
Special Features	Miracast, Airmouse Voice Control
Product Dimensions	3.54 x 3.54 x 0.82 inches (90 x 90 x 21 mm)
Item Weight	10.6 ounces (0.3 Kilograms)



Image: A detailed diagram illustrating the interface ports (USB, TF Card, 5V DC, Ethernet, HD, AV, IR) and physical dimensions (82mm x 82mm x 18mm) of the X96 Mini Android TV Box.

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Keep your proof of purchase for warranty claims.
For technical assistance or further inquiries, please reach out to the X88 customer service team.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question