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X96 X96Q

X96Q Android TV Box User Manual

Model: X96Q

INTRODUCTION

The X96Q Android TV Box is a versatile home media player designed to transform your television into a smart entertainment hub. Running on Android 10.0 OS with an Allwinner H313 Quad-Core processor, it offers fast and efficient performance for streaming, gaming, and browsing. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Image: The X96Q Android TV Box and its accompanying remote control.

PACKAGE CONTENTS

Before you begin, please ensure all items are present in the package:

- 1 x X96Q Box
- 1 x Remote Control
- 1 x Power Adapter (USA plug)
- 1 x HD Cable
- 1 x User Manual

Suitable for various TVs

With AV interface & HDMI interface , support a variety of LCD TVs and old TVs.



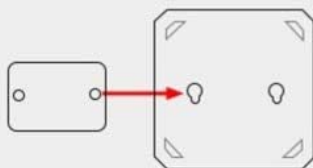
LCD TV



OTT TV BOX



Old TV



Hang the wall mount on the back of the device



Paste the device on the wall or the back of the TV



Image: Visual representation of the X96Q TV Box package contents, including the device, remote, power adapter, HDMI cable, and user manual.

SETUP

Follow these steps to set up your X96Q TV Box:

- 1. Connect Power:** Plug the power adapter into the DC port on the X96Q Box and then into a wall outlet.
- 2. Connect to TV:**
 - For modern TVs, connect the provided HD cable (HDMI) from the HDMI port on the X96Q Box to an HDMI input on your television.
 - For older TVs, connect an AV cable (not included) from the AV output on the X96Q Box to the corresponding AV inputs on your television.
- 3. Connect to Network:**
 - Wi-Fi:** The device supports 2.4 GHz Wi-Fi. After powering on, navigate to network settings to connect to your wireless network.

- **Ethernet:** For a wired connection, connect an Ethernet cable (RJ45) from your router to the Ethernet port on the X96Q Box.

4. **Power On:** The device should power on automatically or can be turned on using the remote control.

5. **Select Input:** On your TV, select the correct HDMI or AV input source that corresponds to where the X96Q Box is connected.

Rich interface, simple connection

Small interface, big effect, can meet various entertainment needs.



- | | | |
|---|-------------------------------------|------------------------------|
| ① DC: Power line interface | ② ETHERNET: Network cable interface | ③ HDMI: HDMI cable interface |
| ④ AV: Plug in the AV cable and connect the old TV | ⑤ IR: IR cable interface | |
| ⑥ USB: USB interface | ⑦ USB: USB interface | ⑧ CARD: Card slot |

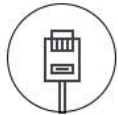
Image: Diagram showing the various ports on the X96Q TV Box, including DC power, Ethernet, HDMI, AV, IR, and USB interfaces, for easy connection.

Provide wired and wireless networks

Support WiFi and network cable connection, and support USB local playback, convenient and easy to use



WiFi and network cable transmission signal is stable



Supports the transmission and download of high-definition videos and big data files. Line installation application.



USB supports local playback and installation of applications

Connect a mobile hard disk or a USB flash drive to play local movies, and install applications such as games and videos.

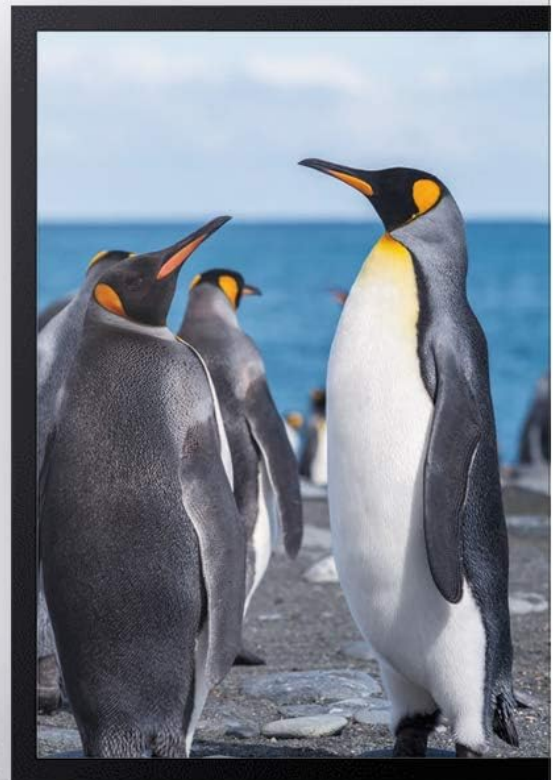


Image: Illustration demonstrating how the X96Q TV Box can be connected to both modern LCD TVs via HDMI and older TVs via AV output, along with options for wall mounting.

Product comparison

Chip Parameter	H313	RK3229 / RK3228A	H3	S905W
CPU	Quad Core Cortex-A53	Quad core Cortex-A7	Quad-core Cortex-A7	Quad Core Cortex-A53
GPU	Mali G31 OPenGL 1.0/2.0/3.2	Mali 400 OpenGL ES 1.1/2.0	Mali 400 OpenGL 2.0	Mali-450 OpenGL ES 2.0
H.265 decoding	4K@60fps	4K@30fps	4K@30fps	4K@30fps
OS	Android 10	Android 7.1	Android 9.0	Android 7.1
Frequency	1.35GHz	1GHz	1GHz	1.2GHz
Run Score	42417	15503	19165	17193

* The running score data is only a single test result of professionals

Image: Depiction of the X96Q TV Box supporting both wired Ethernet and wireless Wi-Fi connections, along with USB local playback capabilities.

OPERATING INSTRUCTIONS

The X96Q TV Box runs on Android 10.0, offering a user-friendly interface and access to a wide range of applications.

Navigating the Interface

Use the provided remote control to navigate through menus, select applications, and control media playback. The interface is designed for intuitive use on a television screen.

Android 10, new dynamic partitioning technology, more user storage space

You can choose and install different applications according to your personal preferences to meet your diverse needs.



Image: Screenshot of the Android 10 interface on the X96Q TV Box, highlighting dynamic partitioning technology and user storage space benefits.

Media Playback and Features

- **4K and 3D Support:** Enjoy ultra-high-definition 4K videos and immersive 3D content. The device supports H.265 decoding, which optimizes bandwidth usage.
- **Storage:** The device comes with 2GB DDR3 RAM and 16GB eMMC ROM. You can expand storage up to 64GB using a TF card (Micro SD card).
- **Customization:** The Android 10.0 system allows for background image modification to personalize your home screen.
- **Screen Sharing:** Utilize DLNA/AirPlay to share movies, music, and photos from your Android or iOS devices to your TV.

MAINTENANCE

To ensure the longevity and optimal performance of your X96Q TV Box, consider the following maintenance tips:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Temperature:** Operate the device within recommended temperature ranges. Avoid extreme heat or cold.
- **Software Updates:** Periodically check for system updates to ensure you have the latest features and security patches.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

Remote Control Navigation Issues with Certain Apps

Problem: The remote control cannot navigate effectively within certain applications (e.g., Netflix, Hulu, Disney+, Sling TV).

Solution: This is a common issue for Android TV Boxes as some applications are primarily designed for touch-screen devices like tablets and smartphones. For better navigation in these apps, it is recommended to use a wireless mouse or keyboard (not included) connected to the USB port of the TV Box.

Difficulty Installing Apps from Google Play

Problem: Certain applications (e.g., Netflix, Hulu, Disney+, Sling TV) cannot be installed directly from Google Play Store due to copyright or regional restrictions.

Solution: These applications can often be downloaded and installed from alternative app stores or websites that provide APK files, such as APKPure. Exercise caution when downloading from third-party sources and ensure the source is reputable.

No Power / No Display

- Ensure the power adapter is securely connected to both the TV Box and a working power outlet.
- Verify that the HDMI or AV cable is firmly connected to both the TV Box and your television.
- Check that your TV is set to the correct input source (HDMI 1, HDMI 2, AV, etc.).
- Try a different HDMI port on your TV or a different HDMI cable if available.

SPECIFICATIONS

Detailed technical specifications for the X96Q Android TV Box:

Feature	Specification
Model	X96Q
Operating System	Android 10.0
CPU	Allwinner H313 Quad-Core 1.35 GHz
GPU	G31 OpenGL3.2
RAM	2GB DDR3
ROM	16GB eMMC (Expandable via TF card up to 64GB)

Wi-Fi	IEEE-802.11 b/g/n (2.4 GHz)
Ethernet	10/100M RJ-45
HDMI Output	4K x 2K UHD, HDMI 2.0A
AV Output	Standard resolution 480i/576i
USB Ports	1 x USB Host, 1 x USB Peripheral
Card Slot	1 x Micro SD (TF Card)
Video Decoding	VP9 Profile-2 up to 4Kx2K, H.265 HEVC MP-10 L5.1 up to 4Kx2K, H.264 AVC HP L5.1 up to 4Kx2K, H.264 MVC up to 1080p 60fps, MPEG-4 ASP L5 up to 1080p 60fps, WMV/VC-1 SP/MP/AP up to 1080p 60fps, AVS-P16(AVS+)/AVS-P2 JiZhun Profile up to 1080p 60fps, MPEG2 MP/HL up to 1080p 60fps, MPEG1 MP/HL up to 1080p 60fps, RealVideo 8/9/10 up to 1080p 60fps
HDR Support	HDR10 and HLG-HDR
Supported File Formats	*.mkv, *.mpg, *.wmv, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm, *.jpg
Languages	Multilateral languages including English, French, German, Spanish, Italian, etc.

Package Contents



Device



Remote Control
(Battery not Included)



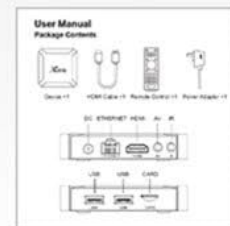
Power Supply



HD data cable



IR cable



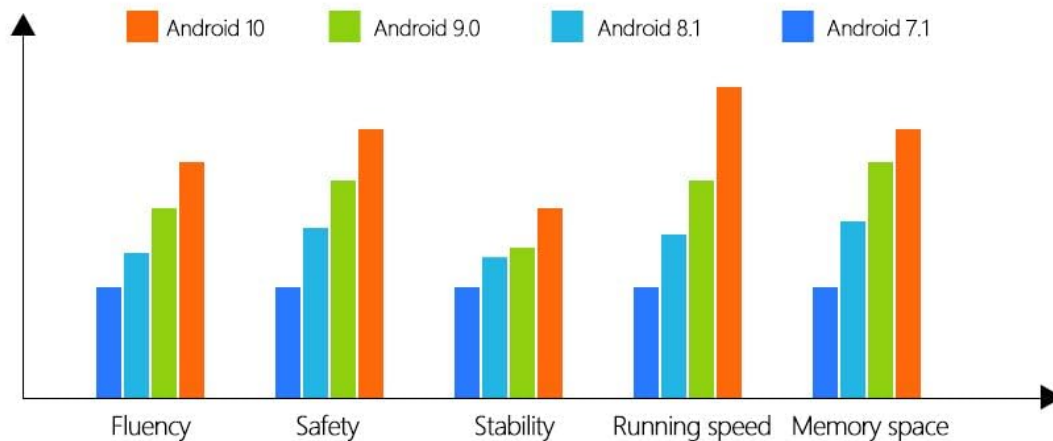
User Manual

Image: A comparison table detailing specifications like Chip, CPU, GPU, H.265 decoding, OS, Frequency, and Run Score across different TV box models, including the H313 chip used in X96Q.

Android 10

First to support Google 's new system Android 10, and greatly optimized for the system, can support a minimum of 1GB of memory

feature \ IOS	Android 10
Fluency	The system natively supports Vulkan 3D technology. Android 10 UI preferentially uses Vulkan for drawing, which has higher efficiency and lower load.
Safety	File encryption technology based on Google Adiantum algorithm, enabled by default to avoid data leakage caused by Flash
Stability	Smarter background memory management technology (LMKD-PSI), small memory application, faster killing process, foreground process is less affected by background process
Running speed	Virtual machine code optimization to improve execution efficiency
Memory space	New dynamic partitioning technology, flexible allocation of Flash partitions, saving storage space



* Data analysis chart is for reference only

Image: A chart illustrating the performance benefits of Android 10 compared to previous versions in terms of fluency, safety, stability, running speed, and memory space.

WARRANTY AND SUPPORT

For any questions or technical assistance, please do not hesitate to contact our support team. We are committed to providing the best possible support for your X96Q TV Box.

Please refer to your purchase documentation for specific warranty terms and conditions.