MINIX®
Next Generation Computing

NEO U9-H

64-bit Octa Core

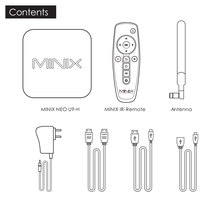
Mini PC with Android OS

Setup Guide

Specifications

Processor	Octa-Core Cortex A53 Processor (64-bit)
GPU	Mali-820MP3 GPU
Memory	2GB DDR3, 32-bit
Internal Storage	16GB eMMC 5.0 Storage (MLC)
Wireless Connectivity	Wi-Fi (2.4Ghz/5.2Ghz)
	Bluetooth 4.1
OS	Android Marshmallow 6.0.1
Video Output	HDMI™ 2.0, up to 4K 60Hz, supports HDMI-CEC, HDR
Audio Output	Via HDMI™ 2.0, 3.5mm stereo jack, Optical SPDIF
Peripheral Interface	RJ-45 Gigabit Ethernet - Supports hotspot sharing via Wi-Fi
	Micro SD card reader
	USB 2.0 port x 3, OTG port x1, Kensington Lock ready
	Microphone jack, Headphone jack, IR receiver
Power	DC 5V, 3A adapter included (CE, FCC certified)
Supported Video Format	DAT/MPEG/MPE/MPG/TS/TP/VOB/ISO/AVI/MP4/MOV/
	3GP/FLV/MKV/M2TS/M TS/M4V/MWV/ASF
Supported Audio Format	DTS-HD/DD/DD+/MP2/MP3/WMA/WAV/OGG/OGA/
	FLAC/AAC/APE/AAC

Contents



MINIX NEO U9-H

MINIX IR Remote

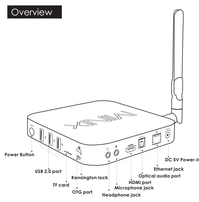
Antenna

Power Adapter HDMI Cable Micro-USB Cable OTG Cable

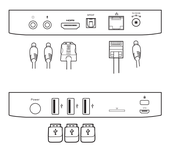
Thank you for purchasing the MINIX NEO U9-H.

MINIX NEO U9-H is an Ultra HD streaming media hub, offering unlimited entertainment possibilities.Based on Android Marshmallow OS, it delivers flawless streaming with incredible 4K resolution in popular apps like KODI™ and YouTube™.
NEO U9-H supports the vast majority of video and audio formats, pioneering cutting-edge technologies to achieve enhanced picture quality and surround sound for a true home theater experience.
More hints, tips and useful information can be found on the official MINIX Forum:
www.minixforum.com

Overview



Overview



Overview

IR Receiver - Compatible with Logitech Harmony

Power LED - The LED glows blue when the NEO U9-H is on, green when suspended.

Power button - To power on the NEO U9-H, press and hold the power button for 1-2 seconds until the power LED glows. To power off the NEO U9-H, press and hold the power button and the display will prompt out the power off options, select OK to confirm your choice. Alternatively, hold the power button for 8 seconds to force power off. (You may also power on/off the device using the infra-red remote controller.)

TF card slot - Increase the storage size or read files directly from a TF card, supports up to 256GB max.

Recovery button - The recovery button is to be used together with the OTG port when connecting to a PC for service/manual upgrade purposes.

Earphone Jack - Connect to an external audio output device such as earphones etc...

Overview

Microphone Jack - Connect to a microphone for voice input.

Ethernet Jack - Connect the Ethernet cable for internet access. If you need advanced settings such as VPN, go into the settings page at: "Settings" > "More...". While connected with the Ethernet cable, the NEO U9-H can be used as a router and also a Wi-Fi hotspot. If you need to use the Wi-Fi hotspot feature, please make sure that the Wi-Fi feature is OFF before you enable the Wi-Fi hotspot service at: "Settings" > "More".

DC 5V Power-in Jack - Connect the 5V power adapter supplied in the package to this port. The NEO U9-H requires less than 1A to operate, however the included power adapter provides 3A, in consideration that you may require extra to connect other power-drawing external devices such as an external hard drive.

USB 2.0 Ports - Connect an external USB device to the NEO U9-H, such as USB flash drive, receiver of wireless keyboard and mouse, USB-wired mouse, receiver of wireless headset. MINIX branded air-mouse / gyro-mouse etc...

Overview

HDMI port - Connect the NEO U9-H to the HDMI port of a high-definition TV or PC monitor using an HDMI cable.

Optical Audio Port - Connect to the optical audio input of an external sound processing unit, such as an amplifier.

OTG Port - Connect the micro end of the Micro-USB cable to this port and the other end to the computer for synchronization and manual upgrade purposes. This port also serves as an extra USB port while using with the Micro-USB OTG cable bundled in the package.

Control

Different Control Methods - You may control the NEO U9-H with the following input devices:

1.) Wired mouse;
2.) 2.4GHz USB wireless mouse and keyboard set;
3.) 2.4GHz USB air-mouse / gyro-mouse (MINIX branded mouses sold separately);
4.) MINIX IR-Remote(included).

IR-Remote Functions

* Requires two AAA batteries.

≡	**MENU**	Call out the options menu for your current screen or running application
⌂	**HOME**	Return to the home screen (choice of launcher required)
⏻	**POWER**	Power on, enter/wake from deep mode. Long press to call out power menu
↰	**BACK**	Return to the previous screen running or cancelling an activity
−	**VOLUME DOWN**	Adjust the system volume down
+	**VOLUME UP**	Adjust the system volume up
^	**UP**	Move upward
<	**LEFT**	Move left
>	**RIGHT**	Move right
v	**DOWN**	Move downward
⏎	**OK**	To confirm a particular action, or as an "Enter"key
⚙	**SETTINGS**	Call out the basic settings menu

Basic Setup

What you need:

High-Definition TV or PC monitor - That can display 720p, 1080p or 4K video with at least one HDMI input.

HDMI Cable - To connect the NEO U9-H to your TV (HDMI cable included).

Wireless Network - A wired network cable or an 802.11ac Wi-Fi wireless network, your wireless network name and password.

Software and accounts - To play content (videos, photos, music) from a smartphone or PC on the NEO U9-H you will need:

- A UPnP/DLNA software pre-loaded on your smartphone or PC.
- A Google account to sign-in to Google Play Store to download the corresponding applications (e.g. BubbleUPnP, eHomeMediacenter) neccessary for streaming the content from a smartphone or PC.
- Other accounts may be required for full acccess to some internet contents.

Basic Setup

The MINIX NEO U9-H connects to your TV or PC monitor through an HDMI port that delivers both audio and video. Before you setup the NEO U9-H, look at the ports on the side/back of your TV or PC monitor to ensure you have the right cable:
- HDMI cable: You can connect the NEO U9-H to a HDTV or home theater receiver that has a HDMI port, using the HDMI cable for video and audio.

Step 1: Connecting the cable
1. Connect one end of the HDMI cable to the HDMI port of your TV / PC monitor.
2. Connect the other end of the cable to the HDMI port of the NEO U9-H.

Step 2: Connecting the power
- Connect the 5V power adapter supplied in the package to the relevant port. Press and hold the power button for 2-3 seconds to power on the NEO U9-H, the blue power LED should then glow. (You may also use the supplied infra-red remote to power up the device)

Step 3: Turn on your TV / PC monitor and select the input
- Simply turn on your TV or PC monitor and select the corresponding HDMI port connected to the NEO U9-H.

Basic Setup

Language Setup
You may choose the desired system language by following these steps:
Launcher Home Screen > Settings > Language
The default language is English, you may choose your desired language and confirm.

Time Zone Setup
You should adjust the time zone according to your current location by the following steps:
Launcher Home Screen > Settings > Date & Time > Select Time Zone
Choose your time zone and confirm.

Wi-Fi Setup (basic)
To connect to your wireless network follow these steps:
Launcher Home Screen > Settings > Wi-Fi > Check the option
"To see available networks turn Wi-Fi on"
Wi-Fi will turn on and automatically scan the wireless networks available, then select the wireless network that you wish to connect to and confirm, key-in the password of the Wi-Fi network when the virtual keyboard prompts, finally hit the "Connect" button.

Google Play Store

Sign-in to your Google Account.
Launch the Google Play Store by the following steps:
Launcher Home Screen > All apps > Google Play Store, select and confirm.

To use the Google Play Store you will need a Google Account. If you already have a Google Account, select "Sign in" and login with your Google Account. If you don't have a Google Account yet, select "Get a Google Account" and complete the rest of the process.

Upon completion of the sign-in process you will be brought to the Google Play Store, allowing you to download and install the applications you want. Alternatively, if you cannot find the application you need on the Google Play Store because of language restriction, location restriction or other reasons; you may look for and download the application files in the form of ".apk" from the internet and install them through the "ApkInstaller", which is pre-loaded in the system.

Kodi

Kodi is a media player that allows users to play and view most videos, music, such as podcasts from the internet, and all common digital media files from local and network storage media.

For more information and instructions regarding Kodi please visit:
http://kodi.wiki

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For online help and support, please visit www.minix.com.hk, or join our facebook fanpage at: www.facebook.com/minixtech

Note: 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 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. Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

FCC Warning:
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 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:
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Caution: Any changes or mod/?cations to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."