

Indoor Hotspot Quick Start Guide

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Box Contents

Your Nebra ROCK Pi Indoor Helium Hotspot comes with the following items:

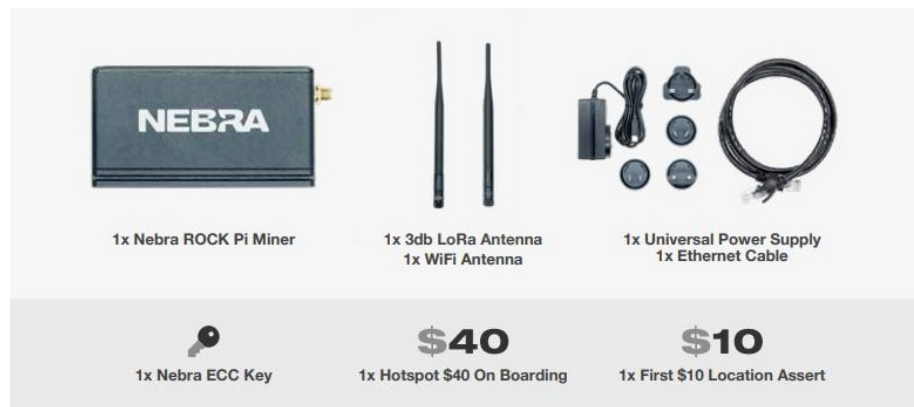


Figure 1: Indoor Hotspot Included

- 1 x Nebra ROCK Pi Miner
- 1 x 3db LoRa Antenna
- 1 x WiFi Antenna
- 1 x Universal Power Supply
- 1 x Ethernet Cable
- 1 x Hotspot \$40 On Boarding Fee
- 1 x First \$10 Location Assert Fee

Please note the above image is for illustrative purposes only, colours of some parts may change.

Warnings

Please remember to follow these important warnings when using your Nebra ROCK Pi Indoor Hotspot:

- **Never power on the ROCK Pi Indoor hotspot without it's antenna connected as this may damage the unit.**
- Do not place in direct sunlight or on hot surfaces (e.g a heater).

- The Indoor unit's case is designed to be used indoors, and is not suitable for use outdoor usage.
- **The ROCK Pi Indoor hotspot comes with a 12v power adapter, so don't use that adapter to power any generic Type-C devices like a mobile phone or anything and vice versa, it will damage the device.**

Note: If you want place your miner outside, please consider our IP67 rated weatherproof outdoor hotspot miner.

Preparing Nebra ROCK Pi Indoor Hotspot

Step 1: First screw in the included antenna into the connector on the back of the hotspot.

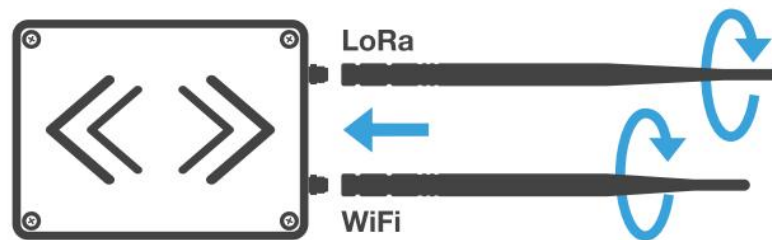


Figure 2: Indoor Hotspot Included

If you are using wired connection, plug an ethernet cable in between a router and the ethernet port on the hotspot.

Step 2: Next find a suitable location for your Hotspot to be positioned, to provide the best coverage we recommend placing it near a window just out of direct sunlight. You'll need to be near a mains power source too.

Please check "Ideal Hotspot Placement" Guide

Step 3: Assemble the appropriate adapter for country onto the universal power supply, plug into mains power and insert power cable into the hotspot.

Step 5: When the hotspot is powered up, the lower orange LED will be on. It will take up to 5 minutes to configure after the first boot.

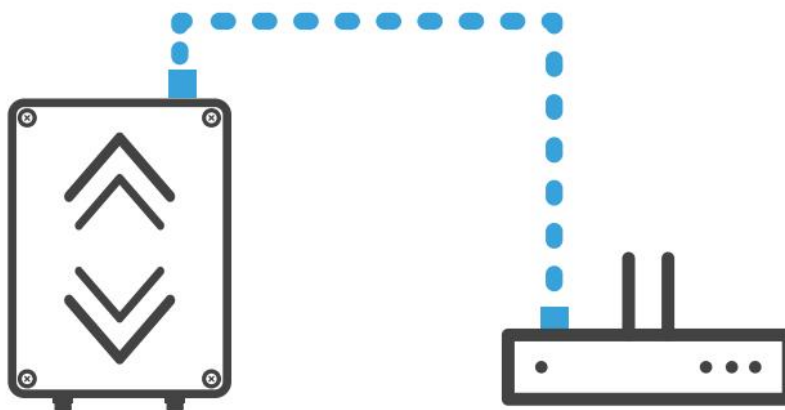


Figure 3: Indoor Hotspot Included

STEP 2

PLACING YOUR HOTSPOT

Find a suitable location for your Hotspot to be positioned, to provide the best coverage we recommend placing it near a window just out of direct sunlight. .

Buildings may block my signals
Nearby buildings may decrease your Hotspot's coverage for nearby devices.

Give me a nice view
Hotspots love places where they can see plenty of sky and spaced at least 300 meters away from other Hotspots.

Don't hide me
Hotspots shouldn't hide in a nightstand or bookcase. Put it next to a window instead.

Finally - I hate bug screens!
Try to keep your Hotspot away from metal meshes, which can block radio signals dramatically.

Figure 4: Indoor Hotspot Antenna

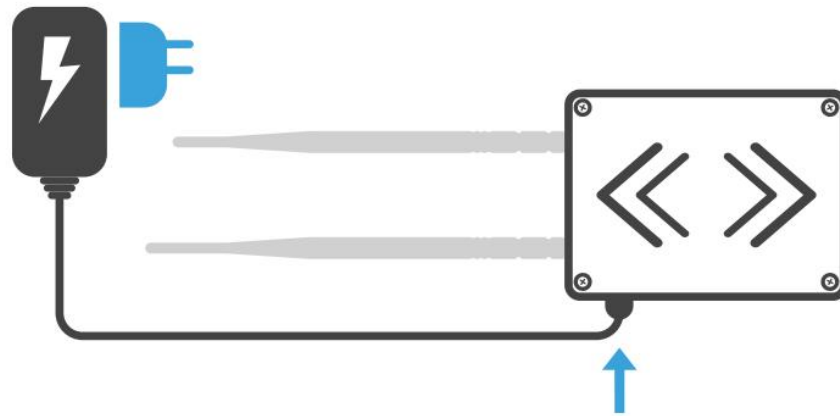


Figure 5: Indoor Hotspot Included

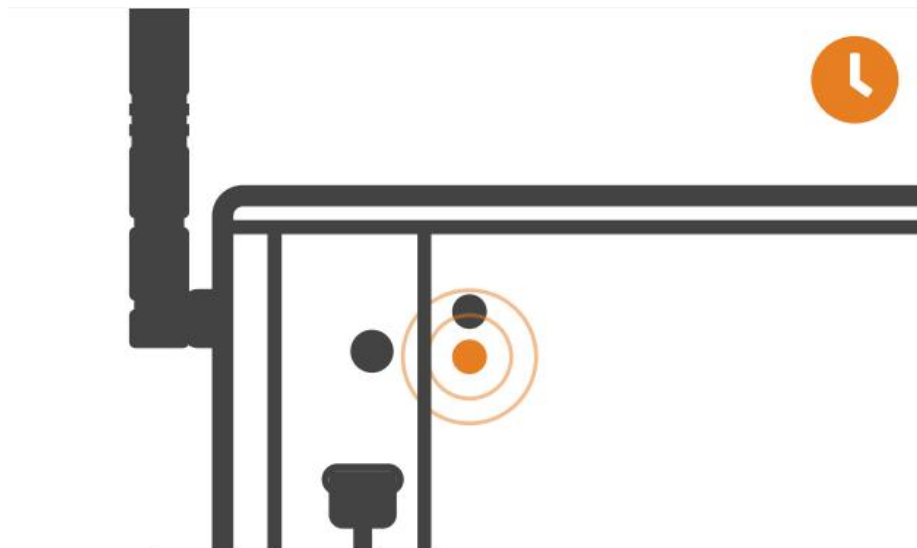


Figure 6: Indoor Hotspot Included

This process may take slightly longer as it'll also perform firmware updates as soon as it gets a connection to the internet. Once it's done you can see the Green light led is turned on.



Figure 7: Indoor Hotspot Included

Configuring Nebra ROCK Pi Indoor Hotspot

To configure your Hotspot, you will require the Helium Network application installed on a Mobile Phone, and for you to have gone through the account setup process to continue.

For the best results, Nebra Hotspots require some ports to be port forwarded on your network. Please check our security and port forwarding pages for more details.

Prerequisites

- Ready to connect nebra hotspot
- Helium application with account.

Step 1: Open the Helium application and login, then press **+ Add a Hotspot**.

Step 2: Next click Set up Hotspot, from here you will want to select Nebra Indoor Hotspot.

Step 3: Place your hotspot in appropriate location, please refer Ideal Hotspot Placement

Step 4: Accept diagnostics permission , This will allow **Nebra Ltd** to identify issues with your Hotspot in a secure way

Step 5: Power Up the Nebra hotspot, and please note that never power on the Indoor/Outdoor hotspot without it's antenna connected as this may damage

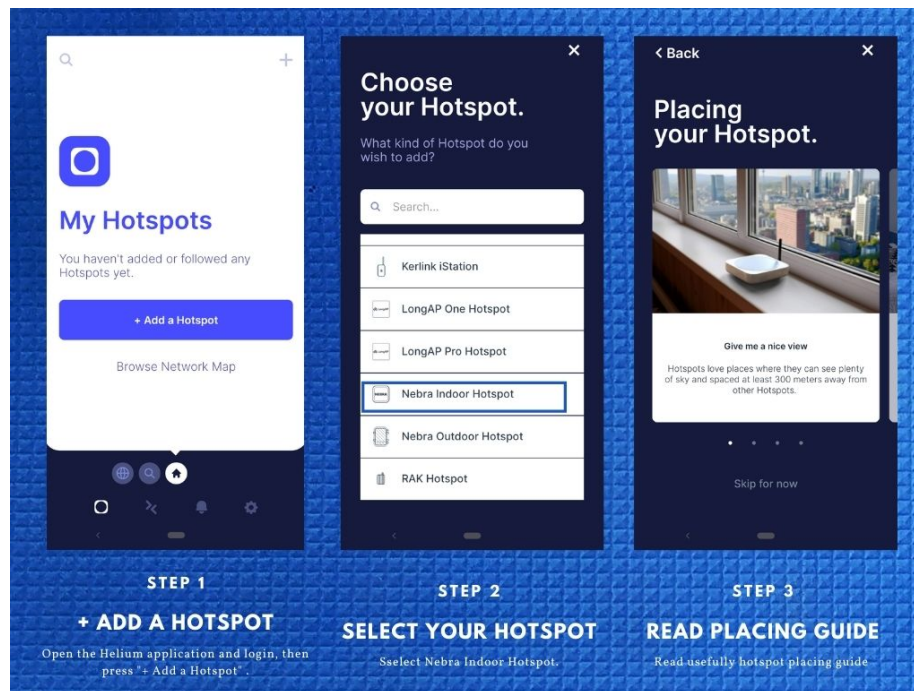


Figure 8: Indoor Hotspot App Step 1

the unit.

Step 6: Turn on mobile phone bluetooth and Push the button on the back of the unit once to enable pairing

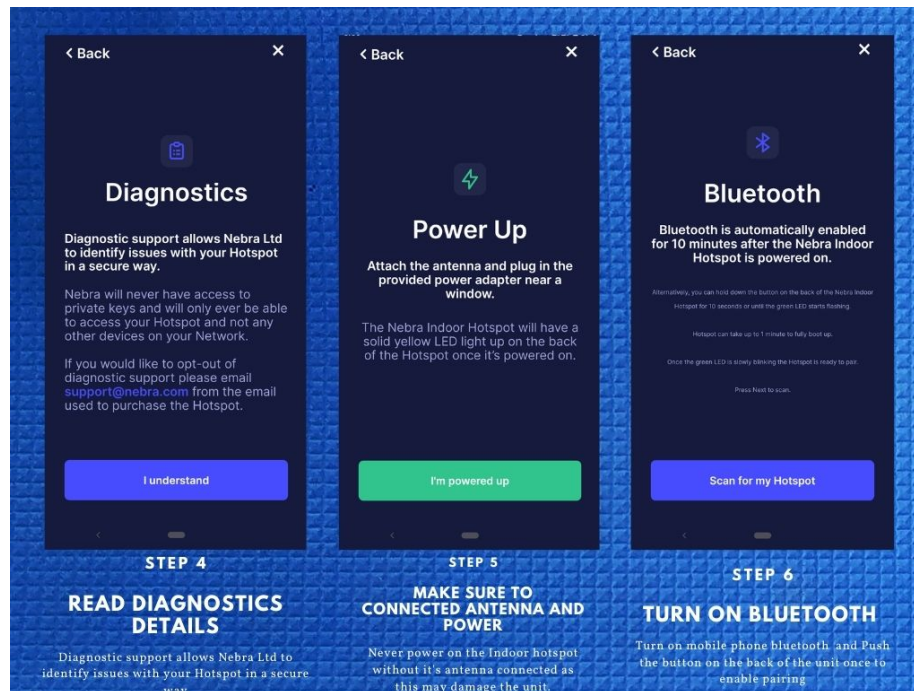


Figure 9: Indoor Hotspot App Step 4

Step 7: Select your hotspot in the app, you can check it is the correct one by matching the last 6 characters shown in the application with the last 6 characters of the mac address printed on the sticker on the bottom of the hotspot.

Step 8: The app will show the available Wi-Fi networks within range of your Hotspot.

Step 9: Once you provide the WiFi details, it will take few minutes to complete the connection

If you are using Ethernet, tap Use Ethernet Instead and skip to Step 10.

If using Wi-Fi, tap on the name of your Wi-Fi network on the app which will bring you to the following screen.

Step 10: Next you need to submit antenna height and power details.

Step 11: Provide location permission: The helium application use phone location to assert location to the device.

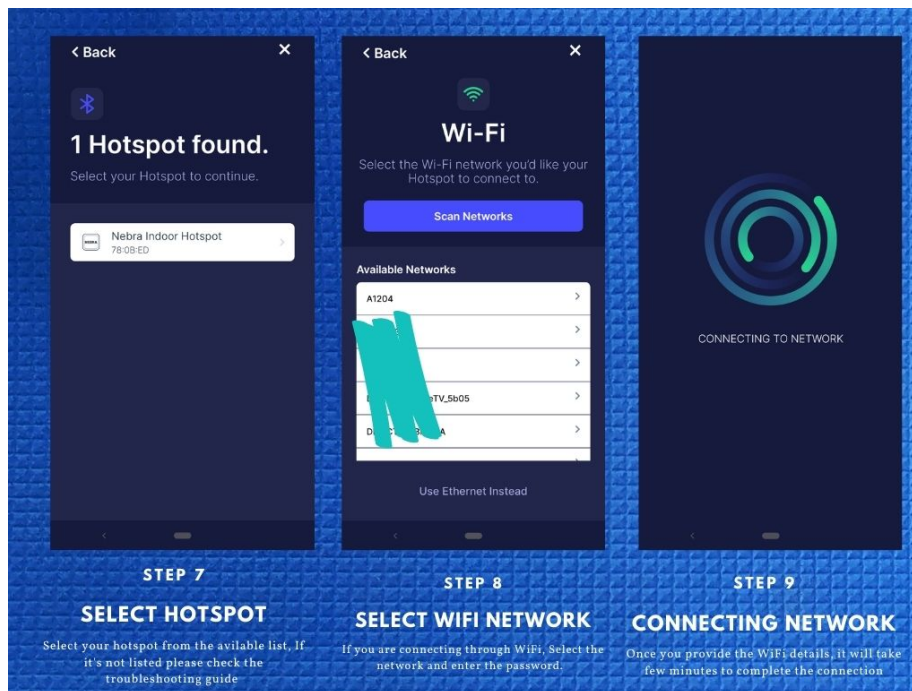


Figure 10: Indoor Hotspot App Step 7

Step 12: Finally, you can confirm the location of your hotspot. Click continue and you should be presented with a map to then place where your hotspot is on the app. This requires \$10 and it's already paid by Nebra LTD.

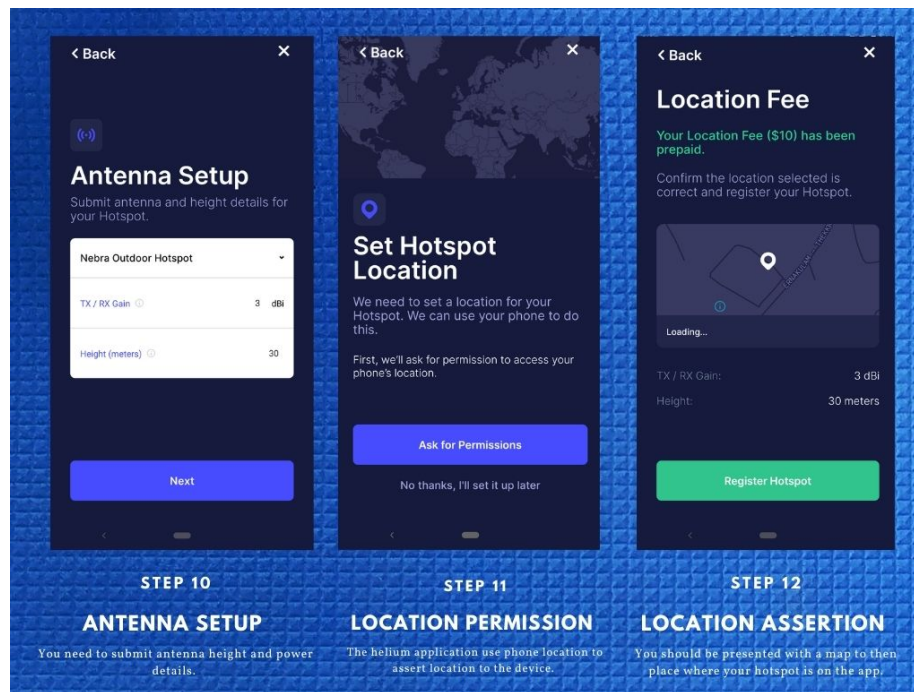


Figure 11: Indoor Hotspot App Step 10

Step 13: The setup should now be complete, it'll submit the details of the Hotspot to the Helium network and then in approximately 15 minutes confirm it's added to the network.


You can move device to another location, However every time you move your hotspot to a new location you will need to pay the \$10 location assert fee again.

Resource

- Ideal Hotspot Placement
- The First Few Days, What to Expct
- Advanced Diagnostics Information

Onboarding Video

You can also watch this video to learn how to onboard the hotspot. This is using the Nebra Indoor Hotspot on Android, but the process is very similar for the Outdoor Hotspot and using iOS devices:



STEP 13

HOTSPOT REGISTRATION

Finally, Helium app will submit the details of the Hotspot to the Helium network and then in approximately 15 minutes confirm it's added to the network.

Resource

IDEAL HOTSPOT PLACEMENT

<https://helium.nebra.com/#/handy-guides/hotspot-ideal-location>

THE FIRST FEW DAYS – WHAT TO EXPECT

<https://helium.nebra.com/#/handy-guides/first-days>

ADVANCED DIAGNOSTICS INFORMATION

<https://helium.nebra.com/#/handy-guides/advanced-diagnostics>

Figure 12: Indoor Hotspot App Step 13