

ei³ Quick Start Guide Amphion A14-C (Black Box)

Start Here:

Welcome! The ei³ Amphion device is a reliably secure module that provides a private encrypted connection to the ei³ cloud. In the following steps you will learn how to get an Amphion A14-C (black box) up and running!

Amphion Placement:

Install the A14-N Amphion in a dry location between 32 to 122 °F (0 to 50 °C) for optimal performance. Ensure that the Amphion can easily be provided internet access with an Ethernet cable. Every A14 model Amphion has a DIN clip at the back to make it easy to mount onto DIN rails.

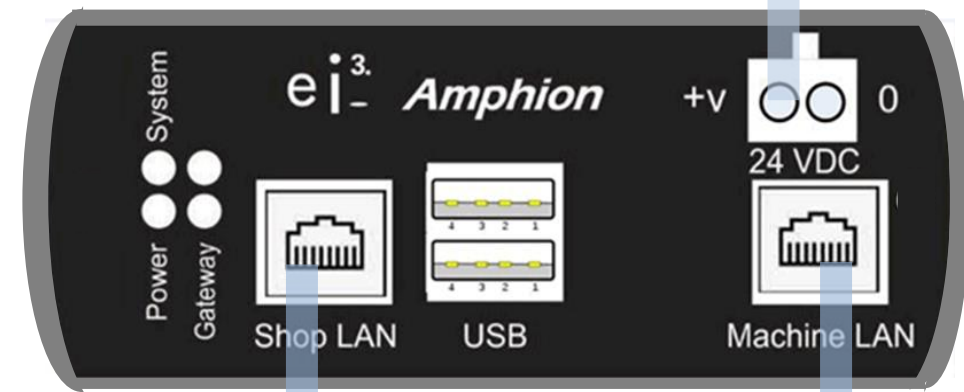
Power the Amphion:
Connect to a machine power source. Do *not* remove power before boot has completed. Boot-up may take up to 5 minutes. Boot-up has completed when the **Normal** Boot pattern is displayed on the LEDs. See back for LED details.

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Connect to the Internet:
Plug an Ethernet cable from this port to a router with Internet access.

Connect to the Machine Devices: Plug an Ethernet cable from this port to a switch connected to all of the devices on the machine.

Amphion A14-C Specifications:
Power- Regulated 24V 10W DC
Min Temp: 0 °C / 32 °F
Max Temp: 50 °C / 122 °F
Amphion must be stored in a cool, dry environment.

Network:
Default Shop LAN IP - 192.168.100.10
Outbound VPN connection requires TCP ports 443 and 80

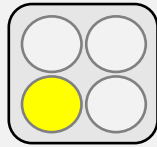
IMPORTANT NOTES:
See the other side of this document for details on LED patterns and meanings. If you have a poor internet connection, the Amphion configuration process may take longer than the estimates provided.

Warranty of this product does not cover damage due to external causes, including but not limited to: accident, abuse, misuse, problems with electrical power, servicing not authorized by ei³, and usage not in accordance with product instructions.

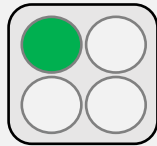
Software within this Amphion device is copyrighted by, and the confidential intellectual property of ei³ Corporation. It is subject to ei³ terms and conditions, and applicable laws and regulations. It may only be used with the ei³ managed secure network, by approval of ei³.

Need help? Contact us.
Phone: 201-802-9080
Email: e-services@ei3.com

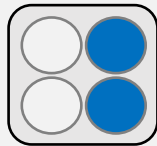
LED Meanings



Power LED: The yellow LED indicates that the Amphion has power. If it is off, then the device is not being powered.



System LED: The green LED represents the status of the device. When the A14-C has completed booting it will flash once per second.

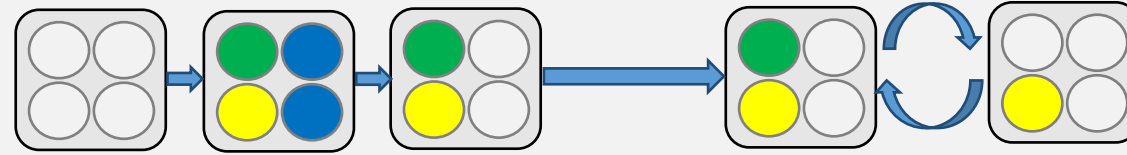


Tunnel LEDs: The two blue LEDs show that a VPN Tunnel has been established to the ei³ network. If both blue Tunnel lights are off it usually indicates that the Amphion does not have connection to the internet.



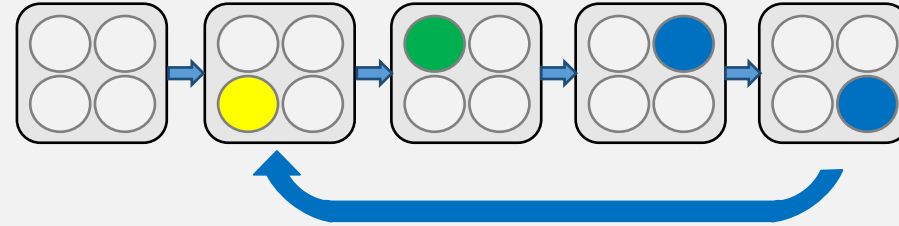
LED Patterns

Normal Boot:



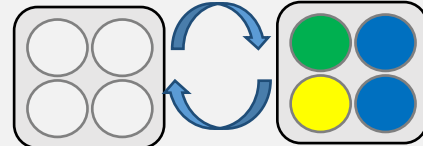
The Amphion can take up to 5 minutes to start. Once booted, the green System LED will begin to flash once per second. The blue LEDs will begin to flash when the VPN tunnel is established.

Configuration Pattern:



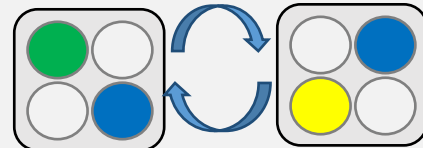
During USB configuration, the LEDs will flash in a clockwise manner. This process will continue for 2-5 minutes during the configuration process. Afterwards, either the success pattern or the error pattern will display on the LEDs.

Success Pattern:



This LED pattern is used to indicate that the configuration has completed successfully. All four LEDs will flash simultaneously once per second. When this pattern shows remove power from the Amphion, remove the USB stick, and re-apply power to restart the newly configured Amphion.

Error Pattern:



This LED pattern shows that there was a problem during configuration. The LEDs will flash in an "X" pattern to indicate an error. It usually means that there was an error reading the configuration file from the USB stick. Common causes of this include a bad USB stick, a corrupt configuration file, or a USB drive with more than two files with the string "PATCH" in their filenames.

USB Configuration

Download



Contact your administrator for a configuration file.

Save



Save the .PATCH file onto an empty FAT 32 formatted USB stick.

Power Down



Turn the Amphion off by removing the power terminal.

Insert



Insert the USB stick into the top USB slot of the Amphion A14.

Power Up



Power up the Amphion.

Power Cycle



Wait up to 8 minutes to see the Success pattern, unplug the power terminal, remove the USB stick, and then install the Amphion.

Finished



You have now configured an Amphion!