

INSTALLATION GUIDE

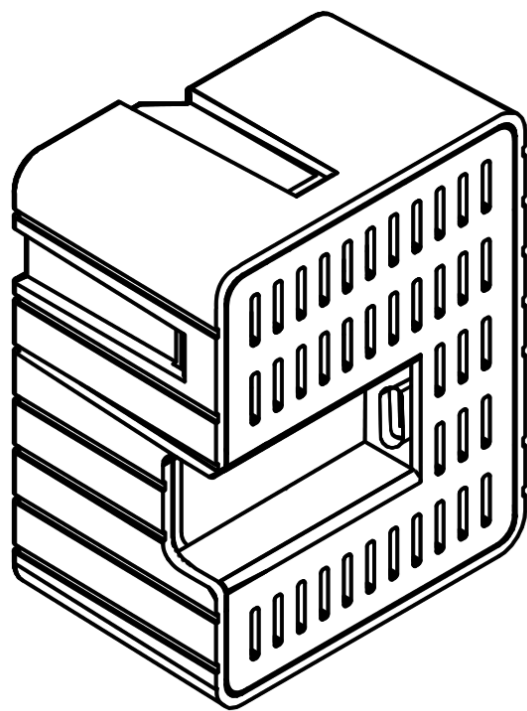
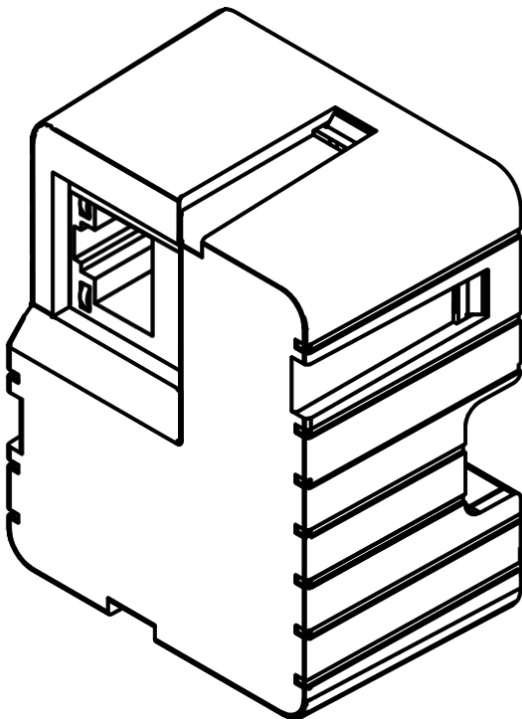
48V VidaCharger® Lite™ PoE+ to USB-C Power Adapter

VB_48V_VCHR_L_ADPT

Optimized for use with 48V VidaPower® Ultra PoE Injectors / 4-Port PoE Switches

With (1) x RJ45 Input & (1) USB-C Power Only Output

Provides up to 25W power · Requires IEEE802.3at/bt compliant power source
NOT COMPATIBLE WITH 24V DC OLDER GENERATION VIDAPOWER INJECTORS
Limited power output with standard POE (802.3af – 15W max) products



Installation Instructions

48V VidaCharger® Lite™ : 802.3at PoE+ to USB-C Power Adapter
Optimized for use with 48V VidaPower® Ultra PoE++ Injectors / Switches

Important Notes

- **Do not use with 24V DC VidaPower (older generation) Switches nor Injectors.**
This unit requires an 802.3at/bt compliant power source, and may damage / overdraw current with older generation VidaPower® 24V DC-based power sources.
- **Limited compatibility / power output with standard PoE (802.3af) switches and injectors.**
This unit requires POE+ / 802.3at (or better) and may overdraw or over-current a standard PoE/802.3af power source.
- For optimal performance, only VidaPower® Ultra branded products should be used with this adapter.
- Indoor use ONLY. VidaCharger® Lite™ must be used only in a dry, non-condensing environment.
- For best results, use a VidaPower® branded USB-C cable, or other USB-IF certified cable to guarantee compatibility. Poorly made 3rd party cables may not meet USB-C specs for high power transmission and can fail without warning, and potentially cause damage to connected devices.
- The adapter must be placed in a gang box, or on a stable surface – preferably affixed or mounted permanently. Do not leave it “dangling,” using plugged-in cables in tension as support. If the adapter falls or is dropped, the impact can compromise the internal components & cause premature failure.
- Do not place heavy objects on top of this adapter.
- If space permits, allow clearance on all sides of the adapter for heat ventilation / natural convection.

Overview

With (1) PoE+ port input & (1) USB-C power output, this VidaCharger® Lite™ adapter provides USB-C charging power for all devices. Optimized for use with VidaPower® Ultra PoE++ Switches & injectors – it supplies up to a total of 25W maximum via USB-C with support for most devices. [Important: No wired Ethernet data.]

For maximum durability, this adapter is completely enclosed in a case. This compact device is rated for indoor environments & can be powered by IEEE 802.3at/bt compliant PoE sources at distances up to 330 feet (100m) away!

What's in the Box?

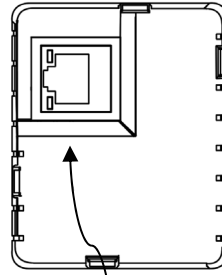
- (1) VidaCharger® Lite™ PoE+ to USB-C Power Adapter
(USB-C cable not included)

LED Indicator Chart

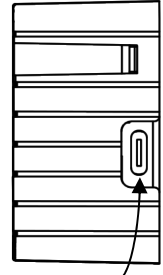
Indicator	Status	Condition
Charging Status (Green)	Solid Light	Charging in progress (device is working as expected / CHARGING)
	Light Off	No charging power output (USB-C device is disconnected / not plugged in)
Adapter Status (Orange)	Solid Light	Adapter has power and is ready for use (device is working as expected / ON)
	Light Off	Adapter has no power / PoE power source is off or disconnected (OFF)

Installation Steps

1. Connect the CAT5/5e/6 cable from the PoE power source into the RJ-45 port on the rear of the device. The port's LED should now light up, confirming power.
2. Connect the USB-C cable (not included) into the Type-C port on the side edge of the VidaCharger® Lite™.
3. Finally, connect the other end of the USB-C cable into the device to be charged. The installation is now complete for iOS / Android / Windows tablets or other USB-C devices!

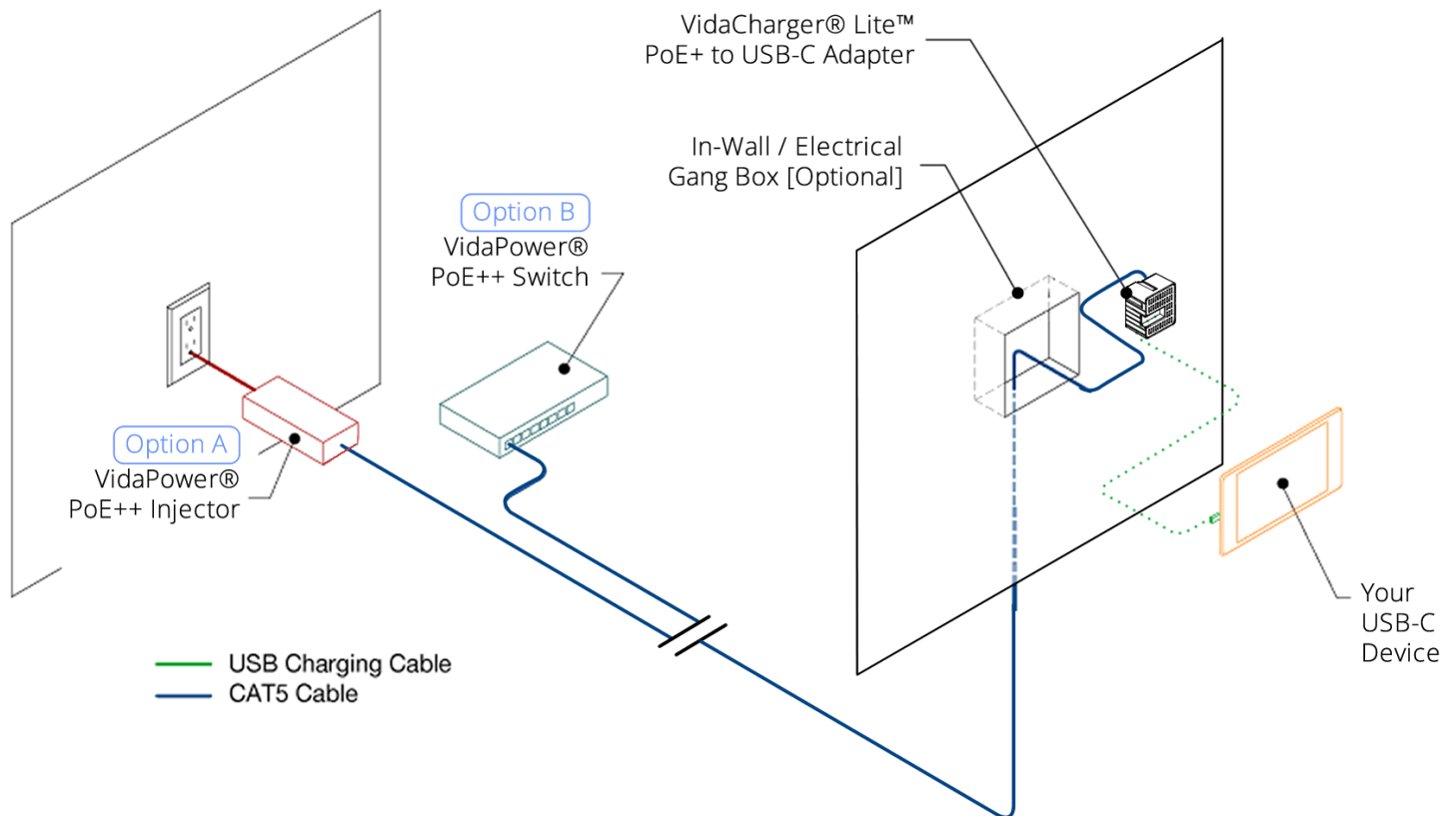


PoE+ (or better) Input Port
(802.3at/bt sources only)



USB-C Output Port
(To tablet / USB-C device)

Sample Wiring Diagram



Troubleshooting Guide

Problem:

- After connecting CAT5/5e/6 + the USB-C Cable, only power is available, but there's NO wired data.

Solution:

- This is normal and expected. The VidaCharger® Lite™ does NOT provide wired data. Its USB-C output is power only. Contact us to learn which of our other VidaBox products would be suitable for you, if both power AND data are required.
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Problem:

- The PoE+ input / RJ45 port's Power LEDs don't light up / appears to receive no power

Please check the following:

- On the CAT5/5e/6 cable:
 - Is the cable plugged into a VidaPower® Ultra Injector, or other 802.3at/bt switch? If so, make sure it's plugged in firmly.
 - Has the CAT5/5e/6 cable been tested to ensure it was crimped correctly?
Try a machine-assembled (not hand-crimped) cable to be sure that the CAT5/5e/6 cable does not have a short.
 - Are there any intermediaries / interconnects on the cable run, such as patch panels, female-to-female adapters, etc?
If so, remove and temporarily test using a new, short CAT5 line. Interconnects add resistance to the line, dropping power output. Only straight, direct runs from the injector / power supply should be utilized.
 - How long is the cable run? Using CAT5/5e/6: Up to 330' (100m) maximum is supported.
Performance over longer runs of CAT5/5e/6 cables is not guaranteed.
 - Is the RJ45 connecting cable's clip snapped-in on both ends? Be sure the cables are firmly connected into both ends.
 - On the power source itself (PoE Injector or Switch):
 - Is the unit 802.3at / PoE+ compatible (or better)? Power sources compliant only with 802.3af (standard, 15W limit) may work for a short while, then fail without warning as the current draw exceeds its supply capacity.
- Important Reminder:** This adapter MAY NOT RELIABLY work with 802.3af power sources (limited to 15W).
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Problem:

- The adapter has lit power LEDs on the PoE port, but my connected USB-C devices are not charging.

Please check the following:

- On the device to be charged:
 - Ensure the USB-C cable is plugged in firmly – remove and re-seat the USB-C cable.
 - Is the USB-C cable working? Try another cable, as USB-C cables can get damaged and “go bad” over time.
 - Are we connecting into a supported device? iPads, Galaxy/Lenovo/Amazon Fire Tabs, & Surface Gos work very well, but other high power devices (USB-C powered laptops or computers) that draw too much power (25W+) are NOT supported.
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Problem:

- The adapter is providing power, but not enough to keep the device charged.

Please check the following:

- On the PoE switch / injector / power source: does it support 802.3at / PoE+ or better? PoE (standard) is limited to 15W only, which may not be sufficient for your device. Upgrade the switch/injector to a VidaPower® Ultra setup to resolve.
- If using a Cisco or other Managed Switch: You may need to configure it for 2 event classification to support higher-power devices of 18W or more. Contact your switch manufacturer for further information & specific details on how to do this.