

INSTALLATION GUIDE

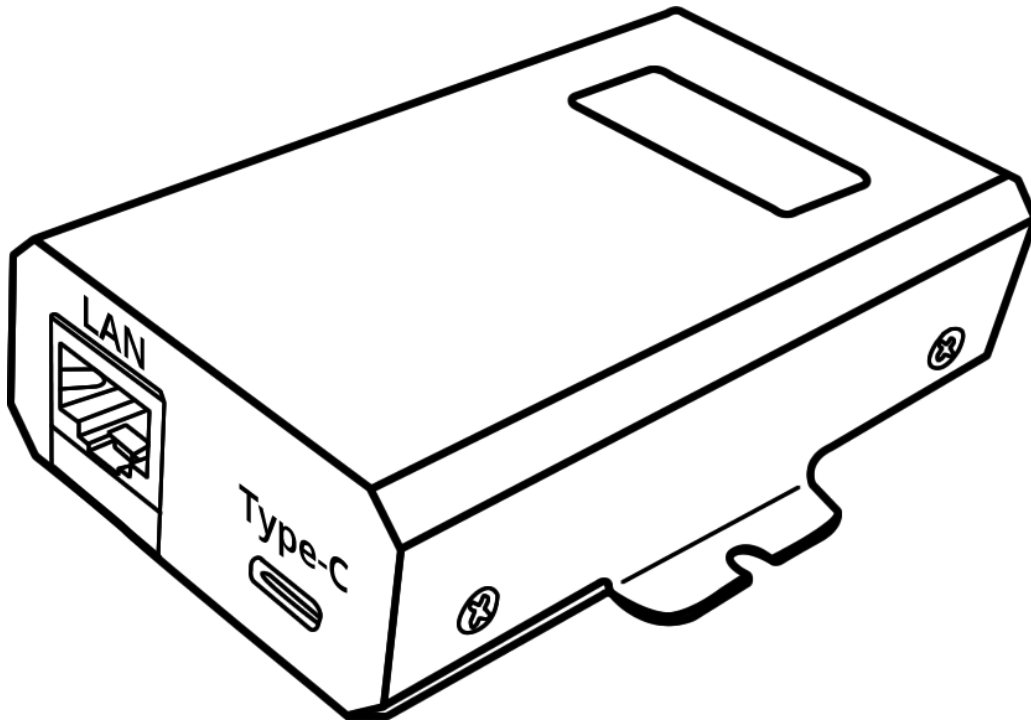
48V VidaCharger® Ultra 802.3bt PoE++ to USB-C Power-Only Adapter

VB_VCHR_U_48V_ADPT

Optimized for use with 48V VidaPower® Ultra Power-over-Ethernet (PoE) Injectors

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

Provides up to 60W power · Requires IEEE802.3bt compliant power source
NOT COMPATIBLE WITH 24V DC OLDER GENERATION VIDAPOWER INJECTORS
DOES NOT WORK WITH 24V DC / STANDARD POE (802.3af/at) PRODUCTS



Installation Instructions

48V VidaCharger® Ultra 802.3bt PoE++ to USB-C Power-Only Adapter
Optimized for use with 48V VidaPower® Ultra Power-over-Ethernet (PoE++) Injectors

Important Notes:

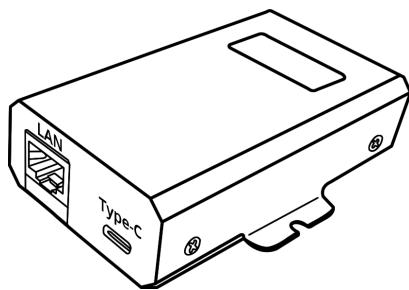
- **Do not use with 24V DC VidaPower (Older generation) switches nor Injectors.** This unit requires a 802.3bt compliant power source, and may damage / overdraw current with older generation, VidaPower® 24V DC-based power sources.
- **Do not use with standard PoE (802.3af) or PoE+ (802.3at) switches/injectors.** This unit requires POE++ (802.3bt) – and would overdraw or over-current a 802.3af / 802.3at power source.
- For optimal performance, only VidaPower® Ultra and VidaCharger® Ultra branded products should be used in concert.
- Indoor use ONLY. The switch must be used only in a dry, non-condensing environment.
- For best results, use the Original Equipment Manufacturer (OEM) USB-C cables that came with your tablet, or a VidaPower® USB-C cable to guarantee compatibility. Poorly made, 3rd party cables may not meet official USB-C specs for high power transmission, can fail without warning, or even cause damage to connected devices.
- The adapter must be placed in a gang box, or on a stable surface – preferably affixed & mounted permanently. Do not leave it “dangling” and use plugged-in cables in tension as support. Drops, falls, and impacts experienced by the adapter can compromise the internal components & cause premature failure.
- Do not place heavy objects on top of this adapter.
- Allow at least 4 inches of clearance on all sides of the injector for heat ventilation / natural convection.

Overview

With (1) PoE port input + (1) USB-C power-only output, this high wattage, VidaCharger® Ultra adapter is optimized for use with VidaPower® Ultra PoE++ injectors – supplying up to a total of 60W maximum via USB-C, for devices such as iPad Pro 3rd Gen 12.9, Microsoft Surface, Surface Pro, and more.

For maximum durability, this adapter is enclosed in an IP40-rated, high-impact metal case. This compact device is rated for indoor environments & can be powered by IEEE 802.3bt PoE++ sources – at distances up to 330 feet (100m) away!

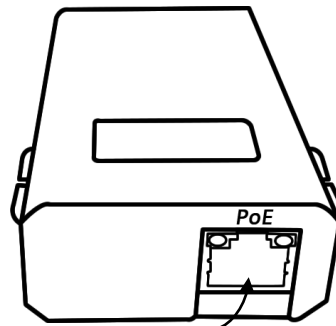
Component Checklist:



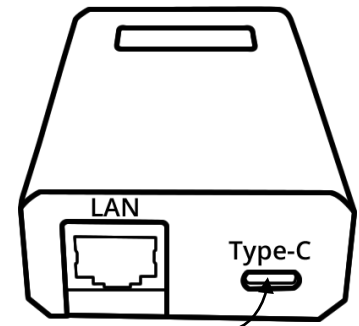
(1) VidaCharger® Ultra
PoE++ to USB-C Adapter
(USB-C Cable not included)

Installation Steps

1. Connect the CAT5e/6 cable from the VidaPower® Ultra Injector into the RJ-45 Port labeled "POE" on the top 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. (shown on right)
3. Finally, connect the other end of the USB-C cable into the device to be charged.



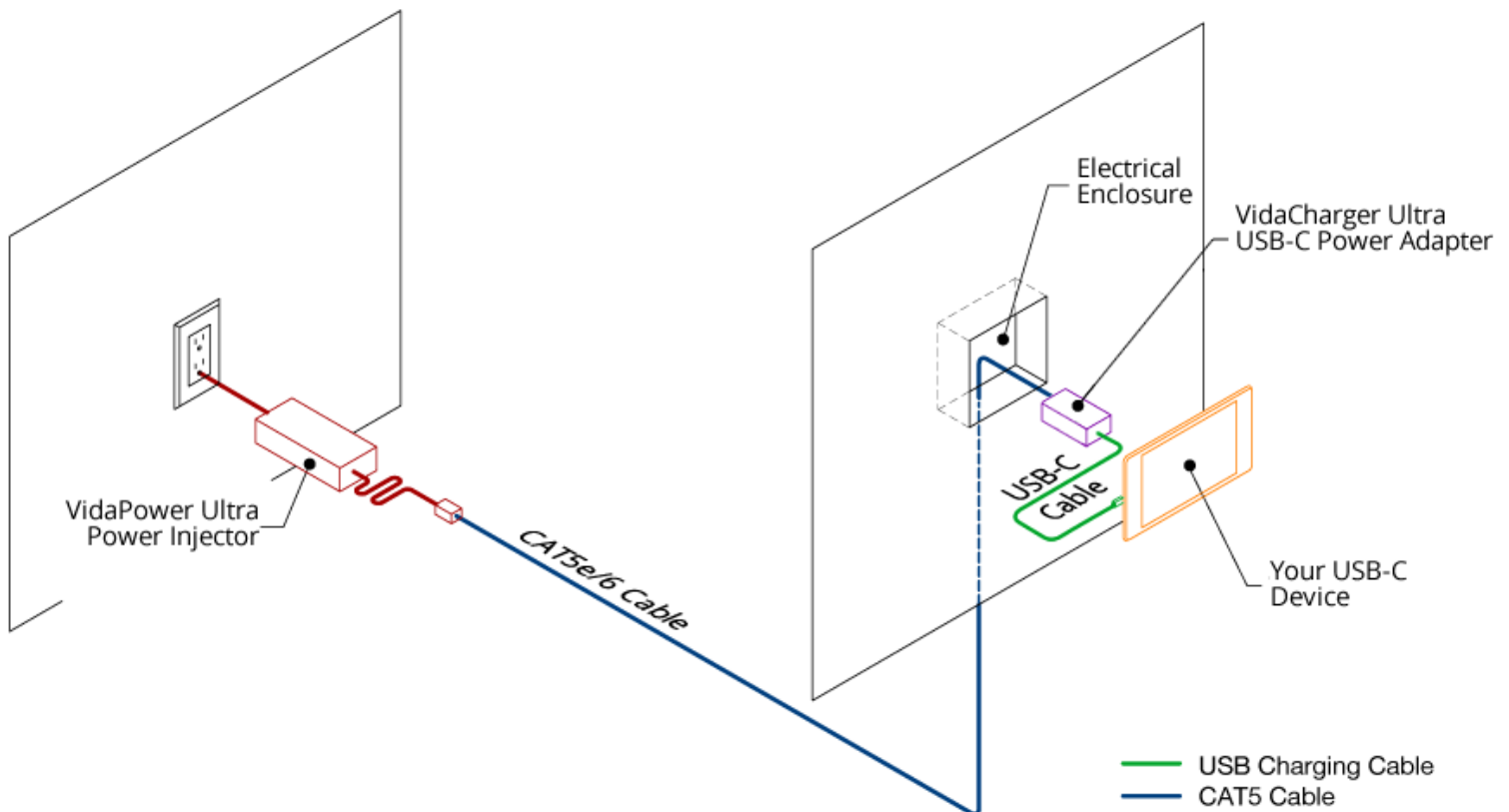
PoE++ Input Port
(802.3bt source only)



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

4. If you are using a 48V VidaPower® Ultra (PoE++) Injector at the other end of the CAT5e/6 cable, then the Injector's **ACTIVE** LED should now be lit. The installation is now complete!

Sample Wiring Diagram



LED Indicator Chart

Indicator	Status	Condition
Power (Green)	Lit / Solid	Adapter is powered (Default / NORMAL)
	Light Off	Adapter is powered off / not plugged in / no power
Data* (Amber)	Lit / Flashing	Data is active (Only lit if LAN cable is in use / Data is passing through)
	Lit / Solid	Data is not active (VidaCharger® Ultra or device is working as expected)

* - **NOTE:** The PoE Port's Data LED would NOT be flashing in typical VidaPower®-to-VidaCharger® Ultra installations, as there is no data transmission. This setup is for power only.

This is NORMAL.

Troubleshooting Guide

Problem:

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

Please check the following:

- On the CAT5e/6 cable:
 - Is the cable plugged into a VidaPower® Ultra Injector, or other 802.3bt / PoE++ compatible switch?
If so, make sure it's plugged in firmly.
 - Has the CAT5e/6 cable been tested to ensure it was crimped correctly?
Try a machine-assembled (not hand-crimped) cable to be sure that the CAT5e/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 / test run a new, shorter line. Interconnects add resistance to the line and drops power output.
Only straight, direct runs from this injector / power supply to the VidaCharger® Ultra should be used.
 - How long is the cable run? CAT5: Up to 330' (100m) maximum is supported.
Performance over longer runs of CAT5e/6 cables are not guaranteed.
 - Is the RJ45 connecting cable's clip snapped-in on both ends? Be sure the cables are firmly connected into at both ends.
- On the Power Source itself:
 - Is the unit 802.3bt / PoE++ compatible? Power sources compliant only with 802.3at (PoE+) or 802.3af (standard) may work for a short while, then fail without warning as the current draw exceeds its supply capacity.
Important Reminder: This adapter DOES NOT RELIABLY work with 802.3af / 802.3 at (non-802.3bt/PoE++) power sources.

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? Tablets like iPad Pro, Galaxy, & Surface work very well, but other ultra-high power devices (USB-C powered laptops or computers) draw too much power (60W+) and are NOT supported.