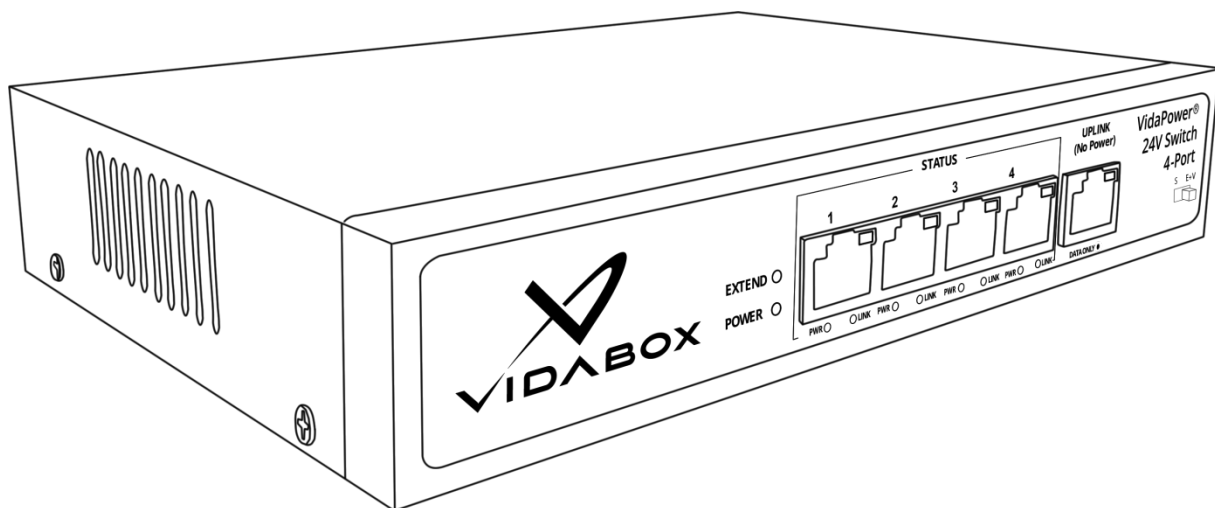# INSTALLATION GUIDE

24V VidaPower 4-Port 90W
Power-over-CAT5 / Ethernet Switch

VB_VPWR_24V_PSW_4P

Optimized for 24V VidaCharger Power-over-CAT5 to USB Power Adapters

With (4) x RJ45 Outputs

DOES NOT OUTPUT 48V · NOT COMPATIBLE WITH STANDARD PoE / 48V
NOT COMPATIBLE W. REDPARK / LAVA ADAPTERS
NOT IEEE802.3at (30W) NOR IEEE802.3af (15.4W) compliant

Installation Instructions

24V VidaPower 4-Port 90W Power-over-CAT5 / Ethernet Switch
Optimized for 24V VidaCharger Power-over-CAT5 to USB Power Adapters

Important Notes:

- **Do not use non-VidaPower or non-VidaCharger products with this VidaPower Switch**. For optimal performance, only VidaPower or VidaCharger branded products, should be used in concert.
- Indoor use ONLY. The switch must be used only in a dry, non-condensing environment.
- The included AC power cord must be plugged into a properly grounded wall outlet for safety. Do not use any 3-prong to 2-prong converters or adapters, which bypass grounding & compromises installation safety.
- The switch must be placed on a stable surface, preferably affixed and mounted permanently. Do not leave it "dangling" and using plugged in cables as tension support. Drops, falls, and impacts experienced by the switch can compromise the internal components & cause premature failure.
- Do not place heavy objects on top of this switch.
- Allow at least 4 inches of clearance on all sides of the switch for heat ventilation.
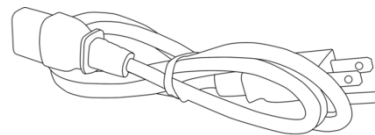
Overview

With (4) RJ45 ports, this high wattage, Power-over-CAT5 switch is optimized for use with VidaCharger® CAT5-to USB adapters – supplying up to a total of 90W maximum, or 22.5W per RJ45 port! There is no need to configure the switch – installation is simply "Plug-n-play!" Follow these instructions below for a fast, successful setup!

Component Checklist:

24V 4-Port Switch

Power Cord
(Kitted for US, EU, UK, AUS, or
other region-compatible plug)
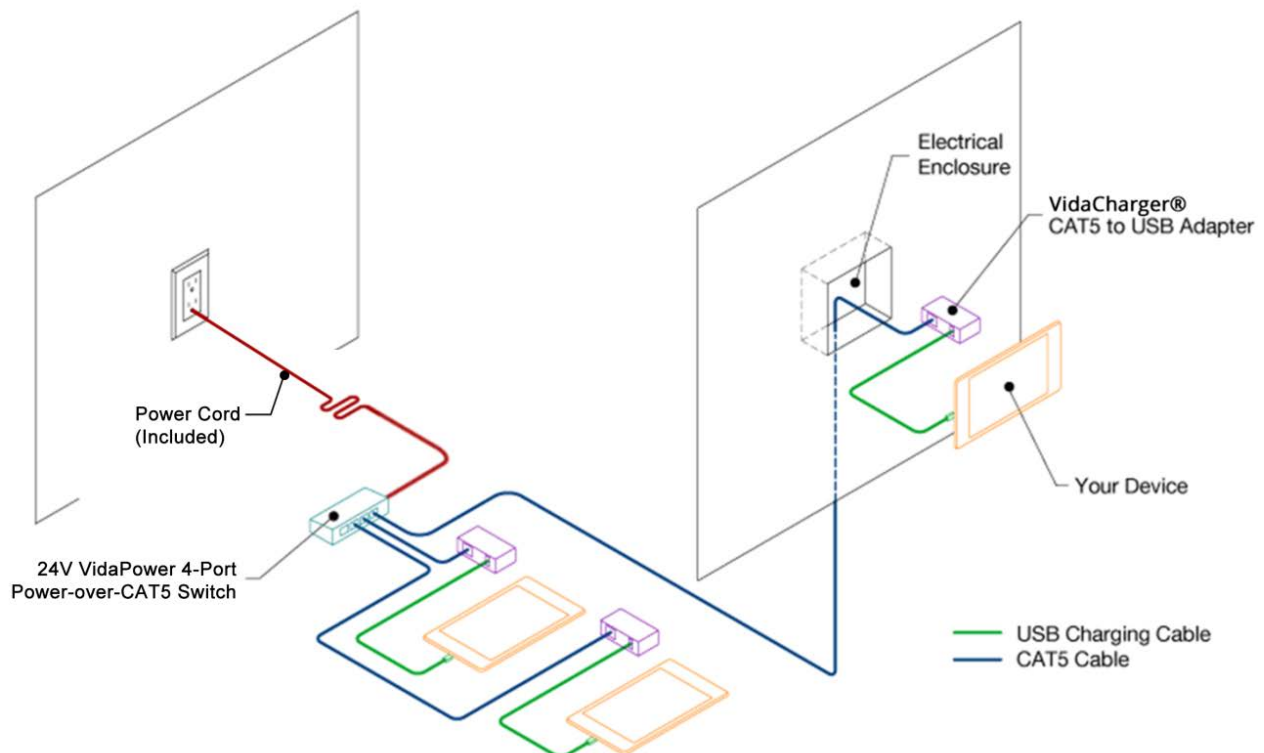
Installation Steps

1. Connect the power cable's trapezoidal plug into the rear of the 24V Switch

2. Connect the power cable into a standard wall outlet. The unit's Power LED should now light up, confirming power.

3. Finally, connect your CAT5/5e/6 cables' RJ45 connectors into one of the (4) respective RJ45 ports. Be sure NOT to plug it into the uplink port, which does NOT output power.

NOT a Powered Port
(Uplink only)

Power LED
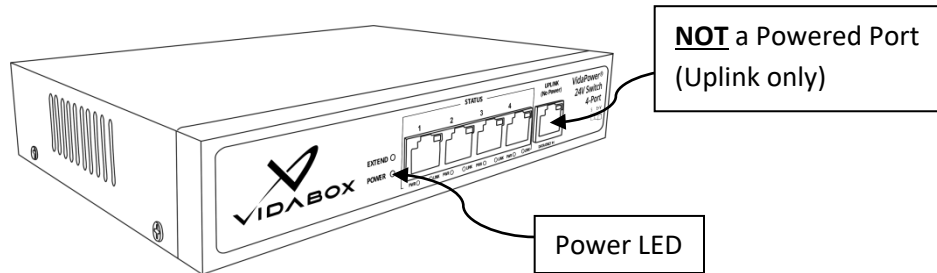
4. At the other end of the cable, connect your 24V VidaCharger Adapters.
   The installation is now complete!

Note: The S – E+V switch on the right hand side is set to "S" by default. It is not necessary to change this flip switch's setting.

Sample Wiring Diagram

Electrical
Enclosure

VidaCharger®
CAT5 to USB Adapter

Power Cord
(Included)

Your Device

24V VidaPower 4-Port
Power-over-CAT5 Switch

— USB Charging Cable
— CAT5 Cable

LED Indicator Chart

Indicator	Status	Condition
Power	Light	Switch is powered (Default / **NORMAL**)
	Light Off	Switch is powered off / not plugged in / no power
Data*	Light	Ethernet connection is established
	Light Off	Ethernet connection is not established (Default / **NORMAL**)
	Flashing	Ethernet data transmission

* - **NOTE**: The Data LED would NOT be expected to be lit NOR flashing in our VidaPower-to-VidaCharger installations, as there is no data transmission / this is for power only. **This is NORMAL.**

Troubleshooting Guide

Problem:
- The switch's Power LED doesn't light up / receives no power

Please check the following:
- On the wall outlet:
  · Is the power cord plugged into a wall outlet? Make sure it's plugged in firmly.
  · Is the wall outlet controlled by another switch (i.e. a light flip switch?) Try another outlet.

- On the 4-Port switch:
  · Is the correct / included Power Cord being used?
  · Make sure the trapezoidal plug is pushed in firmly. A loose connection will NOT work.
  · Can we try another wall plug-to-Power supply cable? (It's a common computer power cord)

_____

Problem:
- The switch appears to be working, but my connected USB devices are not charging

Please check the following:
- On the device to be charged:
  · Ensure the USB cable is plugged in firmly – remove and re-seat the USB cable.
  · Is the USB cable working? Try another USB cable, as USB cables can "go bad" over time.

- On the VidaCharger adapter:
  · Check and confirm the RJ45 connection is firmly plugged in. If so, check the CAT5/5e/6 cable next.
  · Is the RJ45 connecting cable's clip snapped-in? Be sure the cables are assembled and connected.
  · Are we connecting into a supported tablet? Some devices (Windows Surface) are NOT supported.

- On the CAT5 / wiring cable runs:
  · 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. These interconnects add resistance to the line and drops power output.
    Only straight, direct runs from this switch / power supply to the VidaCharger™ should be used.
  · How long is the cable run? CAT5: Up to 375' (115m) is supported. CAT3: Up to 185' (56m). 16AWG wire: 1675' (510m)