



## POS HARDWARE CONNECTION GUIDE

Step by step instructions to help you to set up your TechPOS hardware with ease!

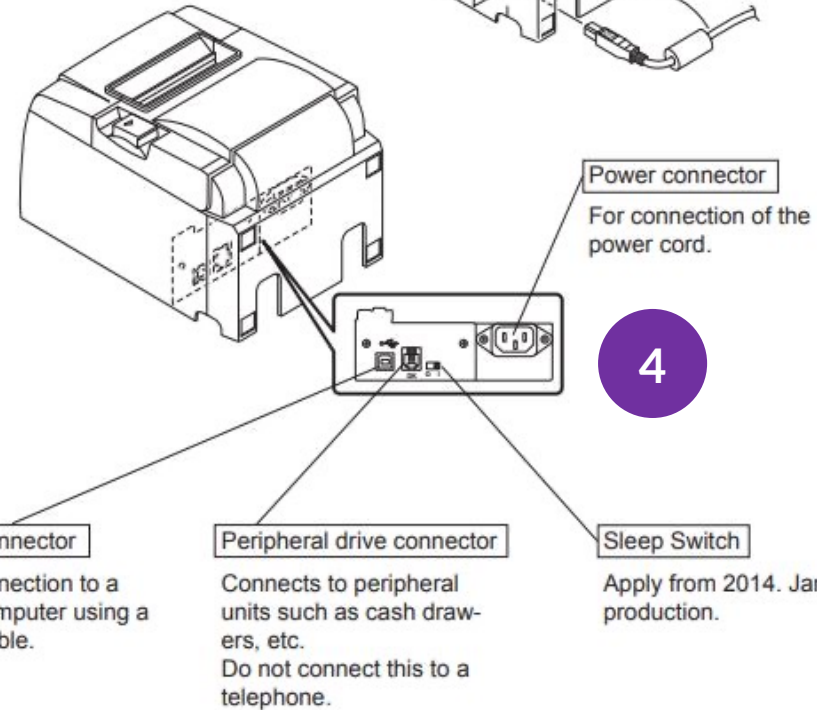
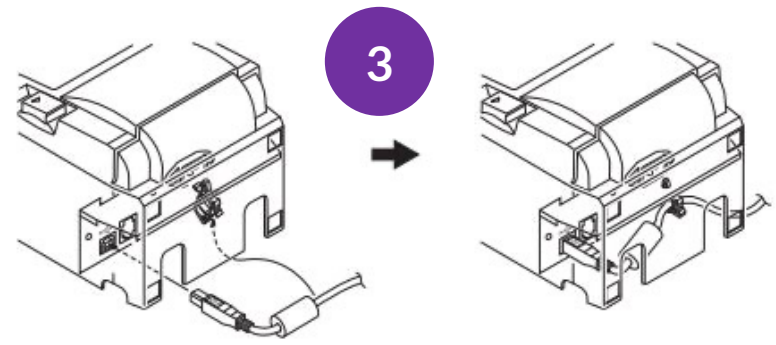
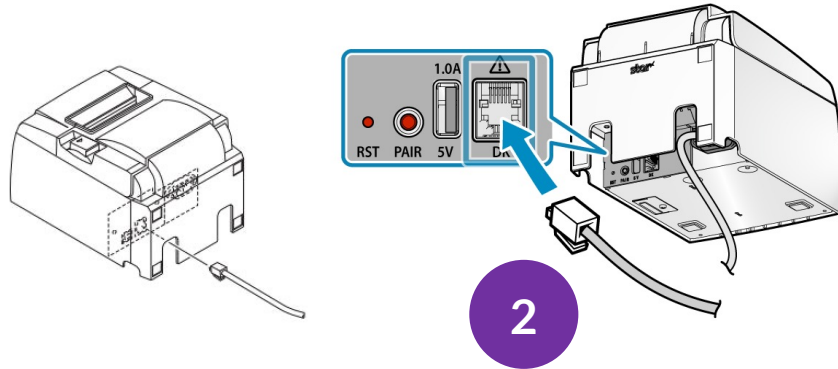


## TERMINAL DIAGRAM CONNECTION

## INITIAL RECOMMENDATIONS

- Internet (WAN - Wide Area Network):**  
 We recommend a minimum of 10Mbps Upload speeds.
- Local Networking (LAN - Local Area Network):**  
 We recommend the Cisco Meraki offerings from any vendor like Telus for instance, where they manage the whole thing from installation to set up for you, including cameras and more.
- Power:**  
 Standard power for all TechPOS hardware will be sufficient. The Terminals, Printers and PC Sticks all require a single power receptacle. The Cash Drawers & Scanners pull their power from the device they connect to.

\*\*\* At the end of this document, find a list of technical suggestions of the Internet, LAN and power considerations, that could make easier your decision when deciding on IT suppliers for your store.



## CASH-DRAWER SETUP

1. Most Cash Drawers will have the cord pre-installed and hanging out of either the top or bottom near the back of the drawer.
2. This cord should be routed to your receipt printer to be connected into the RJ11 connection on the printer.

## CASH-DRAWER SETUP

3. After connecting the power, pass the USB cable (with the square end) through the cable support as shown.
4. Then connect the standard USB to a free port on the back of the Terminal.
5. Our support team will need to install the drivers at this point, please contact [support@techpos.ca](mailto:support@techpos.ca) for next action.

- **Internet (WAN – Wide Area Network):**

For your Internet connection we recommend a minimum of 10Mbps Upload speeds (generally 25Mbps download speed is a good minimum as well but Upload speeds are most important).

We strongly advise considering Internet providers that can supply an LTE back-up in the event of Internet failures. Most providers like Rogers, Shaw & Comwave to name a few will be able to provide the feature as an add-on to your base package. Other options for “Aggregated” Internet (two providers linked together through a third party) are also great if downtime MUST be avoided for your store.

If Internet is challenging, maybe there are no options it seems or maybe there are too many, contact a company like Allstream or Convergia. These two companies are somewhat unique in that they will find you every option available for Internet and help you select the right one. Not to be confused with Re-Sellers, these two providers are true wholesale providers that will often get you the same service for less money than going direct to Bell or Rogers.

- **Local Networking (LAN – Local Area Network):**

Basic Networking equipment from the provider or Best Buy or Canada Computers are fine for your home and fine to act as passthrough for hardwired Internet. However, this consumer level of equipment should not be selected for your business if Wireless is going to be used primarily. If you have an IT Person, we’d recommend the Unifi Dream Machine (possibly the Pro version and extra Access Points if you plan to offer guest Wifi). If you don’t want to hire IT pros, we recommend the Cisco Meraki offerings from any vendor like Telus for instance, where they manage the whole thing from installation to set up for you, including cameras and more.

Wired connections can be expensive to install, especially after the fact. We don’t recommend using too many of these but a great, cost-effective solution for 1 or 2 connections far away from your Internet Router is to use Powerline Adapters.

- **Power:**

Standard power for all TechPOS hardware will be sufficient. The Terminals, Printers and PC Sticks all require a single power receptacle. The Cash Drawers & Scanners pull their power from the device they connect to.

Batter Back-up (UPS – Uninterruptible Power Supply) is highly recommended for every one of your Terminals and your Internet Modem/Router. 1500ma will provide roughly 1 hour of up-time in the event of a power outage depending on the load.