

Bravo Store Essentials

Hardware & Supplies Checklist

Bravo runs best when paired with our recommended hardware. Some of these hardware components are required and others are optional, but they are all used directly with Bravo to run an efficient, profitable store.

View more hardware and order online: shoppoportals.com/collections/bravo-pawn-systems

Workstations

Component	Minimum Requirements
Operating System	Windows 10 or Windows 11. Must be using a 64bit version of Windows
Processor	Intel Core i3 (5th gen) @ 2.0 GHz or higher AMD Ryzen 3 Gen 1 2.0 GHz or higher
Memory	6GB – 8GB RAM
Disk Space	1GB Minimum
Graphics Card	1024 x 768 Intel HD Graphics 2500 / Radeon HD 6000+ or equivalent with 1GB VRAM; GPU running 300MHz



Helpful Tips When Ordering:

Processor Performance is dependent on the clock frequency of the processor and on the number of cores and the size of the processor cache.

Disk Space Requirements for the system partition are approximate. Additional available hard disk space may be required if you are installing over a network.

Minimum Spec. Requirements are listed above. These are the lowest component requirements to use Bravo at its fullest potential.

Internet

Recommended Speed

For a 3 workstations store is

- › Download Speed – 30.00 Mbps
- › Upload Speed – 10.00 Mbps

Redundancy and Failover

We recommend using a router with LTE Failover options (see page 10) and a USB hotspot device or sim card connected to the router.

Internet Package

The better the internet connection, the better Bravo will run for you. We recommend that you check with your Internet Service Provider (ISP) to see the different speed options available to you. We also recommend periodically checking the speeds of your service to ensure your ISP is delivering the subscribed speed. You can check this at speedtest.net.

Report Printers & Pawn Tickets

Helpful Tips When Ordering:

Purpose and Quantity

Most stores prefer one printer for reports and one printer for pawn tickets. Alternatively, you can choose a dual tray printer.

Either of these options will allow you to print both types of documents without having to switch the paper each time a different job is selected

Recommended Printers

You have the option to use any printer for reports and pawn tickets, however Bravo technicians recommend Brother printers for best results.

- ✿ **Single tray printers:** Brother HLL6200DW (MONOCHROME) or HL-L3230CDW (COLOR)
- ✿ **Multi-tray printers:** Brother HLL5200DWT (MONOCHROME) or HL-L8360CDWT (COLOR)

Consider

A color printer for pawn tickets will allow you to print your logo and ads in color.

Requirements

Must be Ethernet (network) printers. Connection must be plugged directly into the switch.

Please note: Bravo is not compatible with dot matrix printers



Label & Receipt Paper Stock

Requirements

You will need to order the following label and receipt paper stock:

- › Jewelry (A Tags) - Zebra Part No: 10010064 with dimensions of 2.20" width by 0.50" length
- › General Merchandise (B Tags) - Zebra Part No: 10015340 with dimensions of 2.25" width by 0.75" length
- › Price Slasher (Optional) - Zebra Part No: 10010042 with dimensions of 2.250" width by 3.000" length
- › Receipt Paper - Thermal paper for Star Receipt Printers: 3 1/8 inches wide

Pawn Ticket Paper Stock

Most Bravo customers use Burrell printing ticket stock. This is not a requirement. The stock that you order from Burrell will be blank on the front and will have all the necessary legal language on the back.

To order, contact Mark Bolles at Burrell.

His phone number is 512.990.1188

- ▲ If you choose a vendor other than Burrell for your pawn ticket paper stock, you must ensure that the vendor prints legal language on the back of the ticket.

A Note from Our Hardware Specialists

If there are any desired or required changes from the standard pawn ticket, it will require custom development by our engineers. Depending on the reasoning for the customization, fees may be associated with the change.

Label Printers & Supplies

Purpose

Bravo uses three types of labels, and each type of label requires a dedicated printer.

1. General Merchandise
2. Jewelry
3. Price Slasher (optional)

Make, Model, Part Number

- ✿ Godex G500
- ✿ Godex GE300
- ✿ Zebra ZD410 - ZD41022-D01E00EZ OR ZD41022-D01W01EZ
- ✿ Zebra ZD620D - ZD62142-D01F00EZ or ZD62142-D01I01EZ
- ✿ Zebra ZD620 - ZD62042-D01F00EZ
- ✿ Zebra TLP 2824 Plus - 282P-101510-000
- ✿ Zebra GX420T - GX42-102410-000

Notes:

ZD410 is for standard GM and jewelry tags.

ZD620 is for standard GM and jewelry tags and larger rat tail labels.

For GoDex Printers if a longer cord is needed, you can choose from the two below:

- › StarTech – 6 ft Straight Through Serial Cable (DB9 F/F)
- › Manhattan – USB to RS232 Serial Converter, 18 Inch Cable Cord (205153)

Requirements

Must be ethernet (network) printers. Connection must be plugged directly into the switch.

A Note from Our Hardware Specialists

Bravo technicians will attempt to work with you on installing your non-supported printer, but we cannot guarantee full compatibility. Please note that because of the labels and drivers, DYMO printers are not compatible with Bravo. Bravo technicians do not have advanced troubleshooting knowledge for non-supported printers, so we may be able to get it working initially but not be able help with future issues.

Receipt Printer & Supplies

Helpful Tips When Ordering:

Purpose

Every transaction will give you the opportunity to print or text a receipt. You can choose to print a receipt for the customer, for the store, or no receipt at all.

Either of these options will allow you to print both types of documents without having to switch the paper each time a different job is selected

Required Make, Model, Part Number

- › Star TSP100 LANIII Part No. 39464910
The Star 39464910 is also known as Star Micronics STA-39464910
- › Star TSP143 LANIII

Requirements

Must be ethernet (network) printers. Connection must be plugged directly into the switch.

A Note from Our Hardware Specialists

Bravo only supports this one type of receipt printer. *We may support the Star TSP100III WLAN model with part number 39464710, ONLY if your ROUTER has a WPS Wi-Fi pairing button.*

Pay close attention to the part number when ordering, it needs to match exactly. We do not recommend that you buy a used Star receipt printer or one that is older than 2 years.

Additional Options

- › Munbyn ITpp098 Receipts printer
- › AURES ODP 333

Bar Code Scanners

Helpful Tips When Ordering:

Purpose

Highly recommended! To save you time and typing errors from manual entry by easily collecting customer and product information to input right into Bravo.

Make, Models, and Part Numbers

We recommend a few different scanners for scanning driver's licenses and IDs:

› Honeywell Voyager 1400G-2D, Part No. 1400G2D-2

This wired USB interface scanner usually comes with 1.5M Cable and stand. 2D linear image scanner capable of reading even poor quality and mobile 2D barcodes

› Zebra DS3608-SR, Part No. DS3608-SR/DS3678-SR

This is a wireless scanner with a USB interface. This scanner can scan both standard Bravo Barcodes and PDF417 barcodes from customer ID's. It also comes with a cradle that connects via USB.

› REALINN Barcode Scanner, RL6200W

Both the 2.4G wireless & 2.0 USB wired connection 2D Barcode Scanner are good at reading 1D and 2D codes on paper or screen. Does not perform optimally when scanning blurry or faded barcodes.

A Note from Our Hardware Specialists

The scanners recommended above are not Ethernet and work with a USB interface with a supplied USB to RJ-45 cable.

Bravo can support bar code scanners different from the makes and models listed above, so long as they meet these minimum requirements:

Support Code128, Interleaved 2 of 5 & PDF417 (for ID's)

Please note: We do not configure with Quickscan QD2430, Quickscan QBT 2400, Data logic or GoDex G500

Cash Drawer

Helpful Tips When Ordering:

Options of Drawer Management

- › Global Till - Employees share one drawer
- › General Till - Employees have their own cash drawer

Make and Model

- › The APG Series 4000

Part Number

- › Multi-Pro JD320-BL1816
USED WITH GLOBAL TILLS - Also requires a CD-101A cable
(-C for extra coin storage)
- › JD554B-BL1816
USED WITH GENERAL TILLS
(-C for extra coin storage)

A Note from Our Hardware Specialists

Bravo works with 2 types of cash drawer interfaces

1. The HID compatible cash drawer is a USB interface which allows the user to use the “Pop Drawer” function from their Bravo workstation. All that is required is a USB to USB Cable. This also can only be used on **GENERAL TILLS**, which are **NOT** shared tills and can only be used by one user at a time.
2. The Multi-Pro interface works directly with the Receipt printer (STAR TSP 100LAN III) and allows the cash drawer to open when a receipt is printed. To use this function, a CD101-A cable is required (this is purchased separately). This is best for **GLOBAL TILLS** which are tills that are **SHARED** by **ALL USERS**.

How to decide which cash drawer is for you:

Question: Do my employees share a single cash drawer?

If so, this means you run a Global Till. If your store shares a single cash drawer, you will want to order the Multi-Pro JD230-BL1816 and the CD101-A cable to connect your cash drawer to your receipt printer.

Question: Are my employees required to manage their own cash drawer throughout their shift?

If so, this means you run General Tills and only one user can connect to and manage a particular till at any given time. If your employees are required to manage their own cash drawers, the JD554A-b4816 HID till will work best. This till will connect to your Bravo workstations via USB and can pop drawers. You will need one cash drawer per workstation. Please note that you do not need a separate Star Receipt Printer per till.



Credit Card Terminals

Helpful Tips When Ordering:

Purpose

To help protect you by authenticating the credit cards provided by your customers when paying for items.

Make and Models

We recommend the following credit card terminal:

- › Fortis Dejavoo QD4 Terminal

A Note from Our Hardware Specialists

These scanners are available for purchase through our partner Fortis (formerly known as BLUEDOG).

To order a credit card terminal, contact Fortis directly.

386.492.1632

corey.mantell@fortispay.com

fortispay.com



ID Scanner

Helpful Tips When Ordering:

Purpose

To save you time and typing errors by manual entry. The ID Scanner easily collects customer information and imports it into Bravo.

Make and Models

We recommend two different scanners:

1. Scanshell 800NR: SCN2CON800NR

Color scanning device which interfaces to any USB 2.0 port. This allows for easy population of customer information and ID photos.

Does not meet Ohio requirements.

2. Scanshell 800R: 566135-029

This is an Optical Character Recognition (OSR) scanner that translates printed text into digital text.

This is important for stores in Ohio to read the unique barcodes and data layouts of the Ohio state ID's.

A Note from Our Hardware Specialists

These scanners are not Ethernet capable and work via a USB interface.

We also now have a ID scanner plugin that works with the Honeywell Voyager 1400G2D-2 (see page 5), however that will not allow you to save a photo of the ID, and only allows you to scan the barcode on the back of the ID to fill in critical data points for your customer's information such as name and address.



Fingerprint Scanner

Helpful Tips When Ordering:

Purpose

To save a digital image of your customer's fingerprint for police reporting.

Biometrics available. Biometrics allows Bravo users to log in with their fingerprint in lieu of a user name and password.

Quantity

Your choice or one per workstation.

Make and Models

- › Digital Persona 4500: 88003-01
- › USB interface with a 5.8ft USB cable

Signature Pad

Helpful Tips When Ordering:

Purpose

To allow stores to capture and store customer signatures in Bravo. Signatures will not print on receipts or pawn tickets.

Quantity

Your choice or one per workstation.

Make and Models

- › Topaz T-S460-HSB-R
- › Topaz TF-LBK464-HSB-R

Router & Switch

Helpful Tips When Ordering:

Purpose

The intent of this section and the suggestions are more of a guide and less as strict recommendation of the hardware listed. Our main goal is to provide the fundamental principles to maintain Internet connectivity. Depending on the solution it may require a networking professional to do the feasibility assessment and setup. If internet connectivity is not a concern of yours then you can simply skip this section.

Router

When choosing a router to buy think about the failover and redundancy solution you are employing. The failover solution will determine the device or devices to procure. Here are suggested items based on failure and redundancy solution:

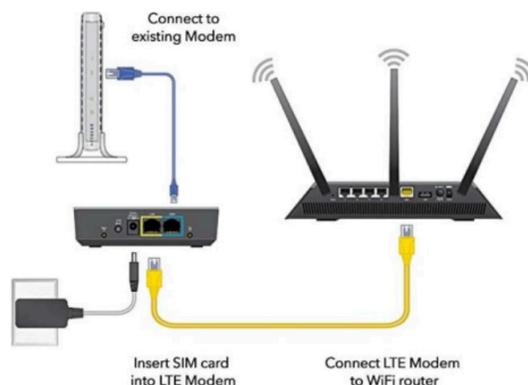
Dual ISP Connections

You need 2 internet connections, for example Verizon and Comcast. This also requires a router with dual WAN ports. The failover would be enabled via the router settings.

- › TRENDnet AC3000
- › Ubiquiti Usg-pro-4
- › Peplink Balance 20 Dual-WAN route

LTE Connection

- › LTE Connection
- › CISCO RV130W
- › The Cradle Point E300 enterprise router
- › Netgear LAX20-100NA
- › NETGEAR LB2120 (This can be added to the existing system if your current setup has a Modem and a separate router for management)



Switches

We recommend using unmanaged gigabit switches for any network in any store using Bravo.

These switches can range in size going from 8 ports to 16 ports, all the way up to 32 ports. Depending on the size of the store, the number of computers, printers, and other network equipment, you will need to get switches that can handle the job.

Recommended Switches

- ✿ Netgear 8 port switch
- ✿ Netgear 16 port switch
- ✿ Netgear 24 port switch
- ✿ Netgear 48 port switch

Note:

Nearly all enterprise switches require a network professional to configure them. We recommend that you do not plug a switch into another switch to attempt to "DAISY CHAIN" them. You can only plug a switch into a router, and then plug devices like computers and printers into the switch.

Your Store Essentials

Store Network Topology

This store network topology applies to a typical store confirmation with 3 licenses.

