BRADY

i7500
Label Printer

User Manual

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Revision C

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Brady Worldwide, Inc.
6555 West Good Hope Road
Milwaukee, WI 53223
bradyid.com

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Safety and Environment

Please read and understand this manual before using the i7500 Label Printer for the first time. This manual describes all of the main functions of the printer.

Precautions

Before using the printer, please note the following precautions:

- Read all instructions carefully before operating the printer and prior to performing any procedure.
- Do not place the unit on an unstable surface or stand.
- Do not place anything on top of the unit.
- Keep the top clear of obstructions.
- Always use the printer in a well ventilated area. Do not block the slots and opening on the unit, which are provided for ventilation.
- Only use the power source indicated on the rating label.
- Use only the power cord that comes with the unit.
- Do not place anything on the power cord.
- This equipment is not intended for use by children.

Technical Support and Registration

Contact Information

Visit the Brady Knowledge Base at support.bradyid.com/s/.

For repair or technical assistance, locate your regional Brady Technical Support office by going to:

- **United States:** bradyid.com/techsupport
- **Canada:** bradycanada.ca/contact-us
- **Mexico:** bradyid.com.mx/es-mx/contacto
- **Latin America:** bradylatinamerica.com/es-mx/soporte-técnico
- **Europe**: bradyeurope.com/services
- **Australia:** bradyid.com.au/technical-support
- **Asia Pacific**: brady.co.uk/landing-pages/global-landing-page

Registration Information

To register your printer go to:

- bradycorp.com/register

Repair and Return

If for any reason you need to return the product for repair, please contact Brady Technical Support for repair and replacement information.

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1 Introduction

The i7500 Label Printer includes the following features:

- Fast, high volume printing
- Complete supply changeover in less than 40 seconds using i75-series supply rolls
- No wasted blank labels from “calibration” when using i75-series supplies
- Printer warns about incompatibility between i-75 series ribbon and labels
- Auto-centering and correct ink-facing i75-series ribbons
- Heat, speed and offsets automatically set when using i75-series rolls
- Sturdy and rugged desktop construction
- Color touchscreen LCD display input
- Single-color job printing on 300 dpi or 600 dpi configurations, up to 4.49 in. (114 mm) wide and up to 60 in. (1.5 m) long
- Continuous and die-cut labels in a variety of high-performance materials
- Print labels from PC or store labels onto printer to print later when using Brady Workstation software

System Specifications

- **Print Resolution**: 11.8 dots/mm for 300 dpi configurations, 23.6 dots/mm for 600 dpi configurations
- **Output label size**: 0.25 in. to 4.49 in. (6.4 mm to 114 mm)
- **Minimum/maximum label height (down web dimension)**: 0.125 in. to 12.0 in. (3.18 mm to 305 mm)
- **Maximum label length** (continuous): 60 in. (1.5 m)
- **Maximum print speed**:
  - 300 dpi: up to 12 ips depending on label supply type
  - 600 dpi: up to 6 ips depending on label supply type
- Thermal and Direct Thermal Transfer printing
- i75-series smart label supplies automatically set heat, print speed and offsets
- No wasted labels from label calibration or trial and error print trials, when using i75-series labels

Physical and Environmental Characteristics

The i7500 Label Printer (standard configuration) has the following physical and environmental characteristics:

Physical	U.S. Units	Metric Units
Dimensions	21" L x 15" W x 11" H	530 x 372 x 291.5 mm
Weight (printer only)	39.7 lbs	18 kg

Note: Consumable performance may vary.

Environmental	Operation	Storage
Temperature (Printer)	50° to 104° F (10° to 40° C)	-4° to 122° F (-20° to 50° C)
Relative Humidity (Printer)	85% (non-condensing)	90% (non-condensing)

CAUTION! Avoid using the printer near water, in direct sunlight, or near a heating device.

Proximity Range for Wi-Fi

The printer should be within the following distance from the router or device to pick up the Wi-Fi signal.

	Wi-Fi
Range	65 ft (19.8 m)

2 Setup

Unpacking the Printer

Carefully unpack and inspect the printer surfaces (interior and exterior) and the labeling system for possible damage during shipping. What's in the box will depend on the configuration purchased.

Note: Remove any transportation protection from around the display, the cover, and inside from around the yellow printhead lever and the printhead.

What's in the Box

Standard Tear Plate Configuration:

- i7500 Label Printer
- Standard model serrated tear plate (installed)
- Power cord
- USB cable
- Brady WorkStation™ activation code (label creation software)
- T-20 wrench for accessory removal/attachment
- Stylus
- Quick Start Guide

Auto-Cutter Configuration also includes:

- Heavy duty auto cutter accessory (installed)
- Cut label collection tray
- No tear plate included

Peel Configuration:

- Internal rewind guide plate
- 1.5" internal rewind take-up core
- Smooth edge peel bar plate (installed)
- Peel model serrated tear plate

Note: Please keep the original packaging, including the box, in case the printer must be returned.

Registration

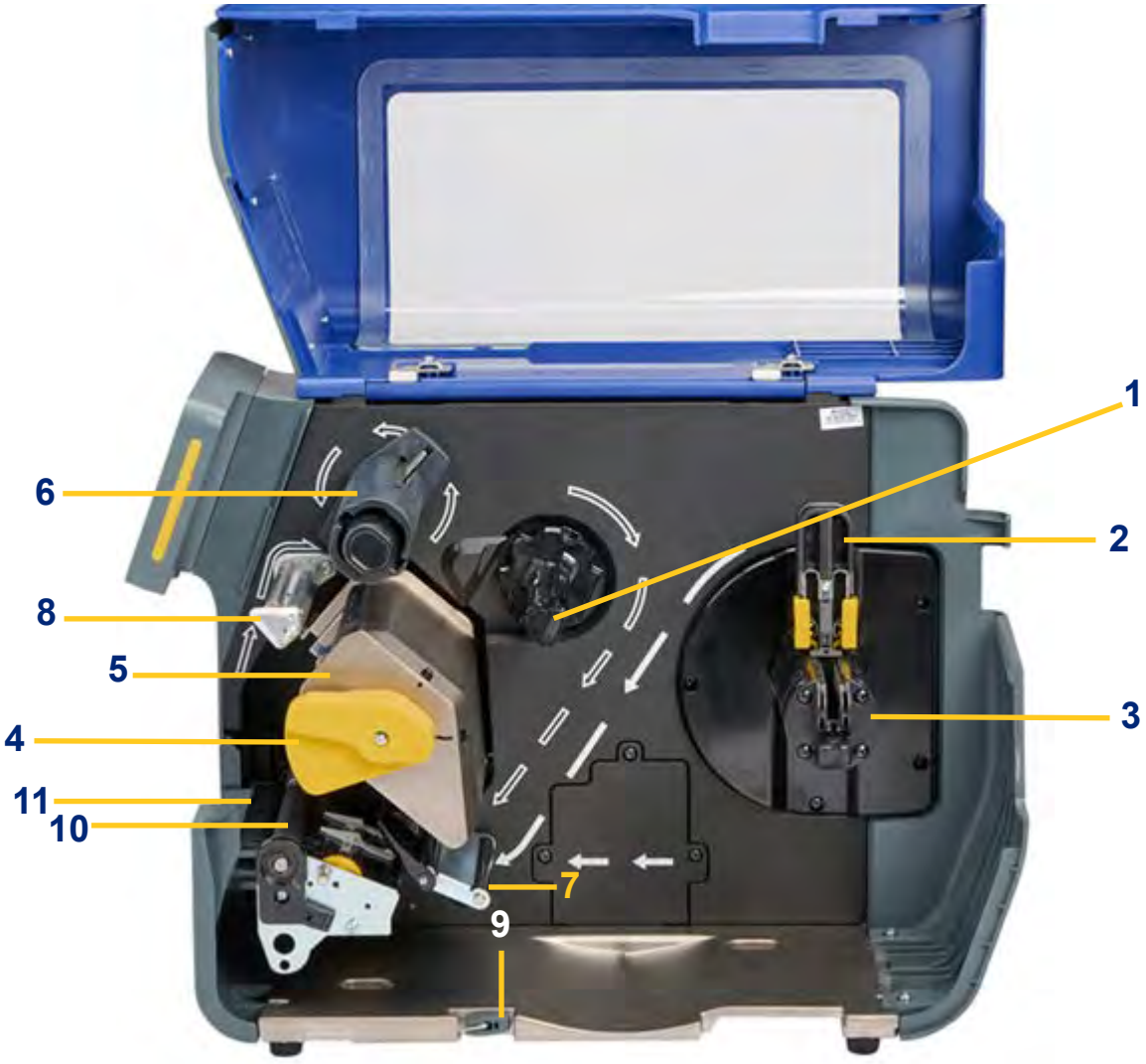
To receive free product support and updates, register your printer online at www.bradycorp.com/register or open the Help screen, scroll to and select Warranty Registration and scan the QR code.

Printer Components

Exterior

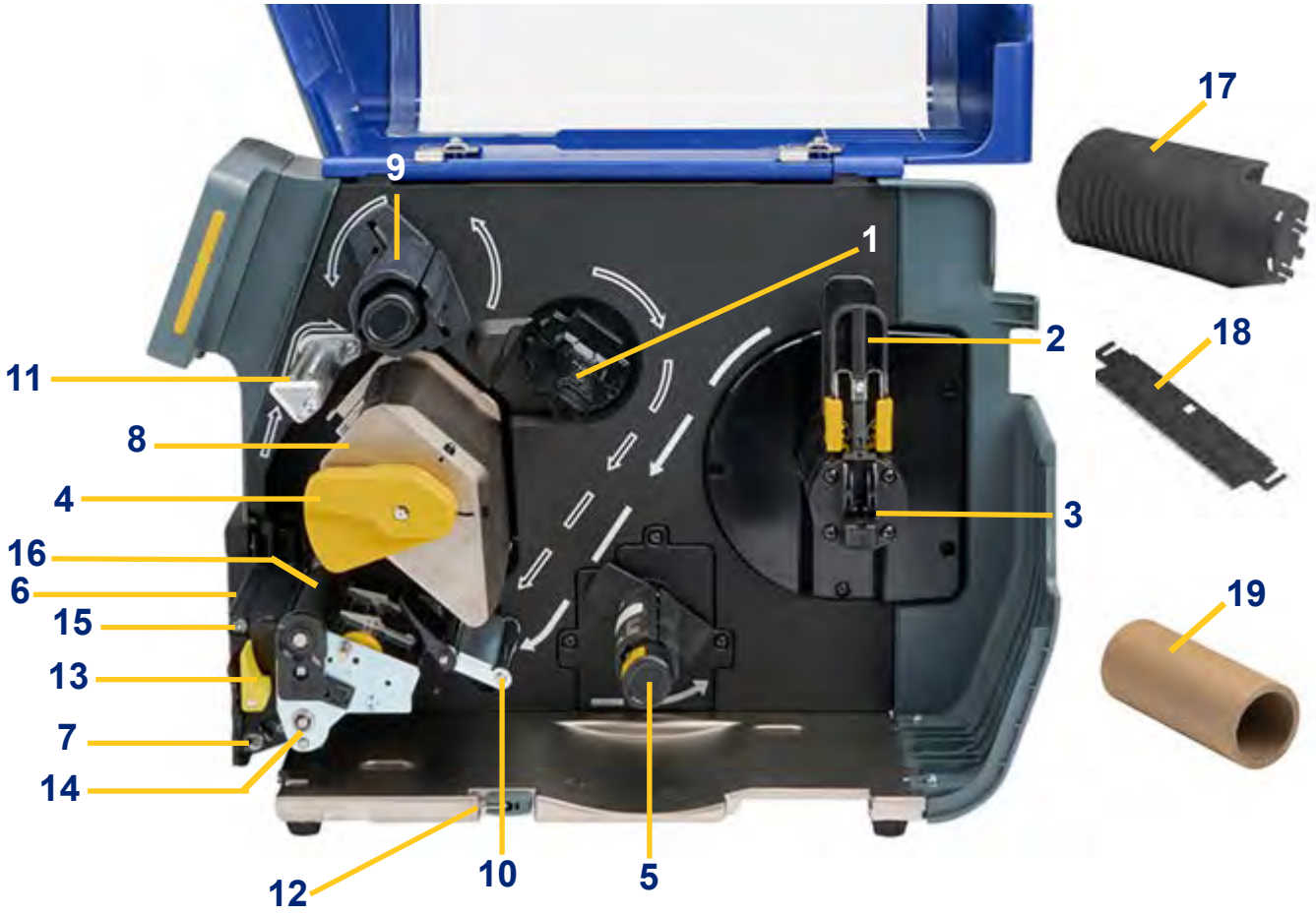
1	**Touchscreen display**	7	**USB-B port (to computer)**
2	**USB drive port**	8	**Ethernet port**
3	**Accessory port cover**	9	**Power switch**
4	**Label exit chute cover**	10	**AC power cord port**
5	**External label feed slot**	11	**I/O port (optional accessory)**
6	**USB-A ports**	12	**Stylus**

Interior Standard and Configuration Printers



1	Ribbon Supply Spindle	**7**	Label Supply Tension Dancer Bar
2	Label Roll Centering Flange	**8**	Ribbon Anti-Wrinkle Bar
3	Label Roll Hanger	**9**	T-20 Wrench
4	Locking Lever for Printhead	**10**	Platen Roller
5	Printhead	**11**	Standard Model Serrated Tear Plate
6	Ribbon Take-Up Spindle		

Interior Peel Configuration Printer



1	Ribbon Supply Spindle	**11**	Ribbon Anti-Wrinkle Bar
2	Label Roll Centering Flange	**12**	T-20 Wrench
3	Label Roll Hanger	**13**	Peel Door (Peel Only)
4	Locking Lever for Printhead	**14**	Lower Pinch Assist Roller (Peel Only)
5	Internal Rewind Spindle (Peel Only)	**15**	Liner Peel-Back Roller (Peel Only)
6	Smooth Edge Peel Bar Plate (Peel Only)	**16**	Platen Roller
7	Lower Pinch Roller (Peel Only)	**17**	Curved Rewind Guide (Peel Only)
8	Printhead	**18**	Peel Model Serrated Tear Plate
9	Ribbon Take-Up Spindle	**19**	1.5" Core for Internal Rewind (Peel Only)
10	Label Supply Tension Dancer Bar		

Power

The printer is equipped with a universal power supply and can be operated with a voltage of 100 to 240 V~, 50- to 60 Hz. The printer senses the voltage type and automatically adjusts for the power source.

Setup

To connect power and turn on the printer:

1. Plug the power cord into the printer on the back of the printer. Plug the other end of the power cord into an AC power outlet.
2. Turn the power switch on. The printer turns on and displays the home screen. The first time you turn on the printer it walks you through configuring the settings. Follow the instructions on the touchscreen.

Power Save Mode

When the printer is plugged in, you can leave it in a state of readiness all the time so that software can find the printer. Or you can choose to conserve power so that the printer automatically goes to sleep after a period of inactivity.

When the system is asleep the display turns off and the system goes into a low power consumption state but does not require a cold start to turn back on. In this state, you can touch the screen to return the system to the same state it was in before going into lower power consumption mode.

To set the inactive period:

1. Make sure the printer is turned on.
2. Tap **Settings**.
3. Tap **System Configuration** > **Power Save Mode**.
4. Choose **AC Power**.
5. Slide the time indicator dot left (decrease) or right (increase) for the amount of inactive time that can elapse before the printer automatically shuts down. Alternatively you can press the minus (-) button to decrease or the plus (+) button to increase the time.
6. Return to the home screen.

Reboot the Printer

Use the power switch on the back of the printer to reboot. The system performs the initialization process and starts the printer. When the home screen displays, you can continue with your label activities.

Software for Creating Labels

Install labeling software on your computer, set up the connection to the printer, then use the software to design labels and send them to the printer.

Brady Workstation software provides a variety of apps to simplify label design and printing for Product, Wire, Laboratory, and general purpose labeling. When i75-series smart labels are installed in the printer, Brady Workstation auto-detects the installed label roll and automatically configures the part with one click. The printer comes with a free license for the Brady Workstation Product & Wire ID Suite.

To install the Product & Wire Identification Suite:

1. Make sure your computer is connected to the Internet.
2. Go to workstation.bradyid.com.
3. Follow the instructions on the screen to download and install the software.
4. When you run the software and open an app that requires activation, follow the instructions on the screen to activate the software. Use the license ID and password on the printed insert that came with the printer.

For other Brady Workstation software or additional licenses, go to www.workstation.bradyid.com or contact your Brady representative.

Designing and printing labels from a mobile device is also available using the Brady Express Labels App. Express Labels App includes features to design labels for Product, Wire, Laboratory and General purpose labeling.

To install the Brady Express Labels app:

System Requirement: Android 6.0 or higher

1. Search and download Brady Express Labels from the Google Play store (Android) or the Apple App Store (iOS).
2. Launch the app and connect to the printer using Bluetooth or Wi-Fi. See Connecting the Printer on page 10.
3. Configure settings. See Initial Printer Settings on page 32.
4. Create labels and print.

Connecting the Printer

Printer Name

The printer name is displayed when a computer searches for the printer on a Wi-Fi connection. If a name is not created for the printer, the default name is the serial number.

To change the printer name:

1. With the printer turned on, tap **Settings**.
2. Tap **Connection**, and then **Printer Name**.

   The printer name can only contain the characters A-Z, a-z, 0-9, and -. Regardless of the keyboards you have enabled for your printer, the printer displays a keyboard with the allowed characters.
3. Use the keyboard on the touchscreen to type a name for the printer.
4. When finished tap the enter key on the keyboard.

When using Brady Workstation software on Wi-Fi, this name is shown when selecting a printer.

IMPORTANT! If you change the printer name after using the printer with the Brady Express Labels mobile app, additional steps are needed to update the printer name in the software.

- Reboot the printer. (Turn the printer off and then on again.)
- In the Brady Express Labels app, go to settings and add the printer again.

When using the Brady Express Labels app, this name is shown when selecting a printer, unless the connection to the printer was set up manually with an IP address. See Manually Enter Wi-Fi Settings on page 12.

Connect to a computer in one or more of the following ways:

- Ethernet® network. This method allows multiple computers to send label files to the printer. See Ethernet Network on page 11.
- Wi-Fi® wireless network (depending on your printer configuration). See Wi-Fi on page 12.
- Directly with a USB cable. See USB on page 13.
- Bluetooth. Use this to connect with the Express Label app.

Ethernet Network

This section describes how to configure the printer to communicate via an Ethernet (TCP/IP) connection.

Note: If using a Windows driver (see Installing the Printer Driver (Optional) on page 15) it is best to configure the Ethernet connection before installing the driver. If the driver is already installed before configuring the Ethernet connection, you may need to edit the port settings for the printer in Windows to update the IP address.

To configure Ethernet network settings:

1. On the home screen tap **Settings**.
2. Tap **Connection**.
3. Tap **Advanced Network Settings**.
4. Tap **Ethernet**.
5. Tap **IP Settings**, and then choose either DHCP or Static.
   - **DHCP:** DHCP addressing is dynamic and the system uses a DNS server in the printer IP address for you. No additional fields need to be entered.
   - **Static:** For static addressing, you must supply the printer's IP address. First, tap the back button. Press the back arrow to return to the Ethernet screen, then fill in the following information. You may need to get assistance from your network administrator.
     - **IP Address:** Enter the printer's IP address.
     - **Subnet Mask:** Enter a subnet mask if you are using one.
     - **Default Gateway:** Enter the IP address of the default gateway.
     - **DNS Server (Primary):** Enter the IP address of the primary DNS server.
     - **DNS Server (Secondary):** Enter the IP address of the secondary DNS server.

     IMPORTANT! If no DNS server is being used, enter 0.0.0.0 for both the primary and secondary DNS servers.
6. Tap the back button to return to the Advanced Network Settings screen in order for the fields entered to take effect.

Wi-Fi

Connect to a Wi-Fi network either by searching for and selecting a network or by manually entering the network settings. Once connected, the printer can communicate with computers on that network.

Note: Wi-Fi capability is not available on all printers or in all countries.

IMPORTANT! Before configuring the Wi-Fi connection on an enterprise network, be sure the printer is set to the current date and time. The printer may not be able to establish the connection if the date and time is not current. See Date and Time on page 33.

Search to Connect

To connect to a Wi-Fi wireless network:

1. Make sure the printer is turned on.
2. Tap **Settings**.
3. Tap **Connection**.
4. Tap **Wi-Fi Network**.
5. Tap the switch to enable Wi-Fi.

   If the switch is gray, it is off. If the switch is blue, it is on.

   The printer searches for Wi-Fi networks and displays a list of networks found.
6. Touch and drag to scroll the list.
7. Tap the network that you want to use.
   - If the network is not locked, simply tap it and the printer connects to it.
   - If the network is locked, as indicated by a lock symbol, tap the network and a key pad opens. Enter the password and tap the Enter icon.
   - If the network you need is not in the list, it may not be discoverable. Scroll to the bottom of the list and tap **Other**. Choose either **Personal Network** or **Enterprise Network**. The system displays settings appropriate to your selection. You may need information from your IT department to complete the settings.

Manually Enter Wi-Fi Settings

Use this method for networks that are hidden.

To connect to a Wi-Fi wireless network:

1. Make sure the printer is turned on.
2. Tap **Settings**.
3. Tap **Connection**.
4. Tap **Advanced Network Settings**.
5. Select **Wi-Fi** from the list.
6. Tap **IP Settings** and then tap one of the following.
   - **DHCP:** DHCP addressing is dynamic and the system uses a DNS server to obtain the printer IP address for you.
   - **Static:** Select static addressing to manually enter the printer's IP address.

7. Tap the back button to return to the Wi-Fi screen.
8. Fill in the remaining available settings with help from your network administrator.
9. Tap home.

USB

To connect to a computer via USB 2.0, plug the provided USB cable* into the printer and the computer. Brady Workstation software automatically detects the printer when connected via USB cable.

*color of cable may vary

Note: If you are not using Brady Workstation software, you must install the printer driver which is available online at https://www.Bradyid.com/support/printer/i7500.

USB Mass Storage

When the USB Mass Storage is disabled the printer will not be able to access the contents on any inserted USB Drive.

To turn mass storage on or off:

1. Make sure the printer is turned on.
2. Tap **Settings**.
3. Tap **Connection**.
4. Tap **USB Mass Storage**.
5. Tap the switch to change the setting.

   If the switch is gray, it is off. If the switch is blue, it is on.

Bluetooth

The Bluetooth status light has the following meanings:

- Bluetooth symbol is blue: Bluetooth is on and is connected to a mobile device.
- Bluetooth symbol is gray with an x in a red circle: Bluetooth is not turned on.

To enable Bluetooth on the printer:

1. Tap Settings.
2. Tap Connection.
3. Tap Bluetooth.
4. Swipe the switch to the right to turn on or left to turn off.

To connect the printer to a mobile device via Bluetooth:

1. Turn on the printer.

2. Enable Bluetooth on the printer if it is not already.
3. Open the Express Labels app on your mobile device.
4. Select the i7500 printer.
   The software detects the new printer.

Embedded Web Server

The Embedded Web Server (EWS) allows remote access to printer settings. Perform diagnostics, upgrade firmware and a host of other features.

Open a browser and enter the IP address of the printer in the address bar to access the EWS.

To find the printer's IP address:

1. On the printer's home screen, tap **Settings**.
2. Tap **Connection > Advanced Network Settings**.
3. Depending on the printer's setup, either choose Ethernet or Wi-Fi and look for the IP address.

Installing the Printer Driver (Optional)

If you are using Brady Workstation software or Brady Express Labels app, you generally do not need to install the printer driver. The exception being the Data Automation app within Brady Workstation does require the printer driver to be installed. If connecting the printer using an Ethernet connection, it is best to configure the connection before installing the driver (see Ethernet Network on page 11).

The printer driver can be downloaded from BradyID.com.

1. Turn on the printer, but **do not physically connect it to the computer until prompted**.
2. Navigate to where you saved the printer driver folder and double-click on it.
3. Double-click on the printer driver executable file and follow the on-screen instructions.

Printer Driver Settings

Settings in the driver will NOT be applied to new or existing Brady Workstation labels (unless printing through Data Automation). Existing labels saved in Brady Workstation will not be affected since the preferences are saved with the label. Only labels printed through the driver will be affected by changing these settings.

To find Printer Driver Settings:

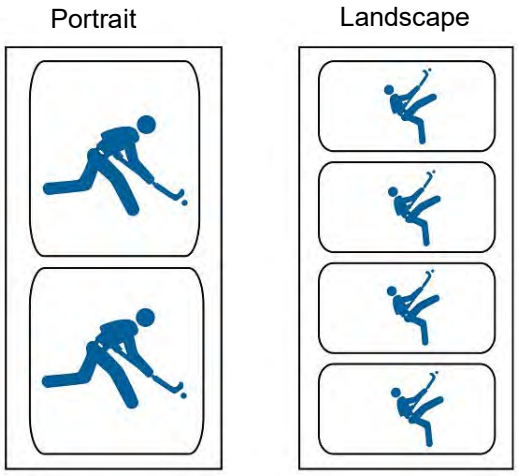
1. Click the **Start** button on the computer.
2. Choose **Settings**.
3. Click on **Devices**, then **Printers & Scanners**.
4. Scroll through **Printers and Scanners** and click on **i7500**.
5. Click the **Manage** button.
6. Click **Printing Preferences**.

Note: Most applications allow you to change these same printer driver options from their “Print” screens. The settings you apply in printing preferences will remain until they are changed. If there are multiple i7500 printers, setting the preferences in one does not apply to all.

Orientation

Under Page Layout, there are two settings for orientation - portrait and landscape. If your text and graphics print left to right or as shown on the screen, select portrait. If you wish your printing to rotate 90 or 180 degrees from what you see on the screen, so it is printing horizontally, select landscape as your orientation.

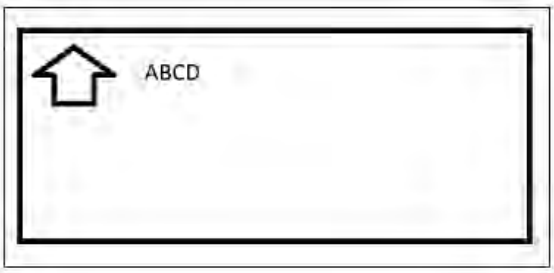
Remember, this does not change the width and height in the paper size setting. It is only a tool for viewing a label upright on screen that will be printed sideways on the printer.



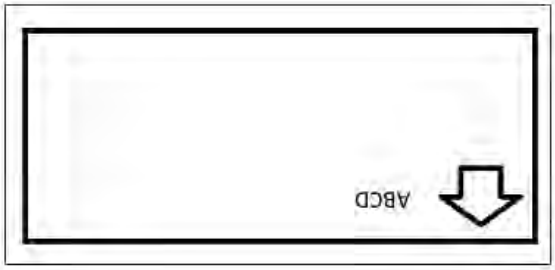
Rotation

Use to rotate the print.

Sample Not Rotated



Sample Rotated



Mirror Print

Print labels suitable for reading in a mirror or through the back of the label. For example, use this if printing on a clear label supply that will be applied to glass so that the label will be readable from the other side of the glass.

Printing from Other Programs

Since this printer uses a standard Windows printer driver you can print from any application that supports this Windows print driver and has label design capabilities. The driver communicates with the printer to know what label size is being used as long as i-75 series smart label supplies are being used.

Installing or Changing Supplies

The i7500 Label Printer setup and printing experience vary depending on the label and ribbon rolls being used.

Smart Supplies Operation

When an i75-series label roll and i75-series ribbon are used with the printer, many settings and adjustments are fully automated to save time, reduce confusion and eliminate wasted labels and trial and error printing. Printing with smart supplies offers the following advantages:

- Ribbons cannot be loaded with ink facing the wrong way and are automatically center-align.
- Part size is automatically detected eliminating wasted blank labels.
- Print speed and print heat are automatically set to achieve correct print quality on the first label.
- Sensor automatically moves to correct location over notch or gap.
- Sensor “mode” is automatically set to gap, notch or continuous based on installed material type.
- Printhead pressure is automatically set for the installed material.
- Warning is displayed if the incorrect ribbon is loaded for the installed label material.
- Part numbers for the installed materials and approximate amount remaining are displayed.
- If using Brady Workstation Software, the installed label is detected and with one-click the size and layout is opened in the software for fast label creation without searching through part lists or “setting up” the layout.

Manual Supplies Operation

When a non-i75-series manual label roll and manual ribbon roll are used with the printer, the printer defaults to operate as a thermal transfer printer with traditional setup and changeovers where the user manually selects, sets up, and adjusts settings and tests for desired print output quality.

In Manual Mode printing the printer display does not show the part numbers installed or the amount remaining.

The user must do the following:

- Choose the correct ribbon ink formula for use with the installed labels.
- Determine ink side of the ribbon and ensure roll is not accidentally loaded with ink facing the printhead.
- Visually center-align ribbons.
- Feed out wasted blank labels to “teach” the sensor the label size.
- Set print speed (Print Speed on page 54) and print heat (Print Energy on page 54) and do trial prints to achieve correct print quality.
- Select the label type installed on the touchscreen.
- Move the sensor to the correct place as indicated on the touchscreen. See Label Sensor Position on page 58.
- Set printhead pressure (page 55) for the installed material.

Partial Smart Supplies Operation

When a combination of i75-series smart labels or ribbon and manual labels or ribbon are used with the printer, some settings are still automated and others now need to be set by the user.

i75-series Labels and Manual Ribbon

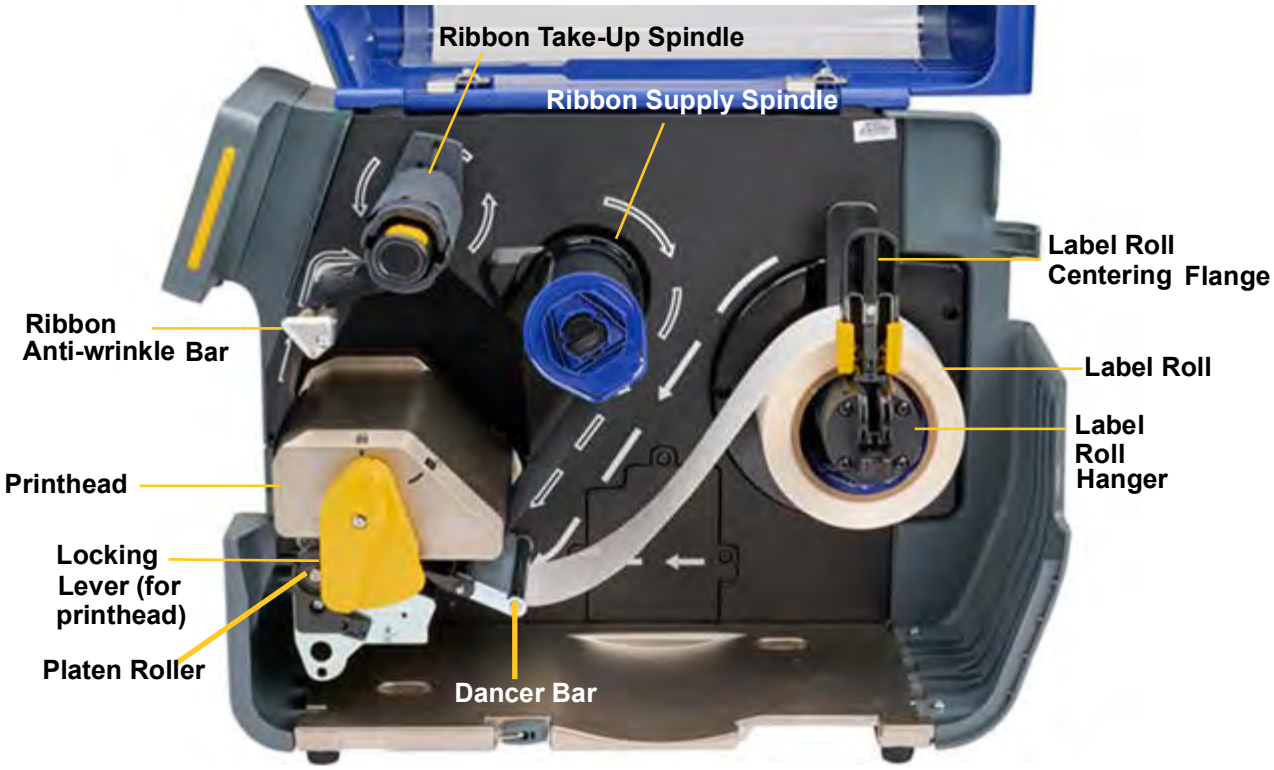
- User must determine the correct ink formula to use with the installed labels.
- User must determine ink side of ribbon and ensure roll is not accidentally loaded with ink facing the printhead.
- User must visually center-align ribbon.
- No need to feed out wasted blank labels because part size is automatically detected.
- Print speed and print heat are automatically set for the installed Brady i75-series label material, however some fine-tune adjustments may be needed due to the manual ribbon.
- Sensor automatically detects type of label (notch, gap, continuous, or black mark) and moves to correct location.
- Printhead pressure is automatically set for the installed labels.
- No warning displayed if the incorrect ribbon is loaded for the installed label material.
- Display shows the label part number with approximate amount remaining, but no information about the ribbon.
- If using Brady Workstation Software, the installed label is detected and with one-click the size and layout is opened in the software for fast label creation without searching through part lists or “setting up” the layout.

Manual Labels and i75-series Ribbon

- Ribbons cannot be loaded with ink facing the wrong way and are automatically center-align.
- User feeds out wasted blank labels to “teach” the sensor the label size.
- User must set print speed and print heat and do trial prints to achieve correct print quality.
- User must set the sensor “mode” to notch, gap, continuous, or black mark, depending on the type of labels installed.
- User must move the sensor to the correct place over a notch or gap.
- User must know which ribbon ink formula is correct for the installed label material.
- Display shows installed ribbon part and approximate amount remaining, but no information about installed labels.

Loading the Ribbon and Labels (Standard Configuration Printer)

The Standard Configuration printer has two printing modes available - Tear-Off or Auto Cutter. An optional Auto Cutter accessory must be installed (see Auto Cutter on page 83) in order to access Auto Cut mode and to adjust cut settings. If an Auto cutter is not installed the default mode will be Tear-Off and the Standard Model Serrated Tear Plate should be installed (see Tear Plates on page 78).



IMPORTANT! Do not use a ribbon if using Direct Thermal labels.

1. Open the locking lever to lift up the printhead.
2. Load ribbon onto ribbon supply spindle.

   If loading i75-series smart ribbon

   - Ensure the spring-loaded shaft on the ribbon take-up spindle is pushed all the way in and locked in place with a “click.”
   - Position the black end-cap of the ribbon cartridge against the end of the ribbon supply spindle aligning the flat dimension of the hole in the end-cap with the flat dimension in the end of the spindle.
   - Slide the cartridge onto the spindle until it stops.
   - The ribbon is automatically centered with the ink correctly facing the label.
   - Pull ribbon material off the roll and feed into the ribbon pathway following the white outline arrows shown on the printer.

- Feed the ribbon under the printhead, out the front and then upward over the ribbon anti-wrinkle bar, then back again underneath and counter-clockwise onto the ribbon take-up spindle, tucking the ribbon under the metal tab on the take-up spindle.
- Rotate the ribbon take-up spindle clockwise several turns to ensure ribbon is pulling through and until any wrinkles in the ribbon are gone.
- Leave the printhead open and proceed to step 3 for loading the label roll.

If loading Manual (non-i75-series) ribbon

- Ensure the spring-loaded shaft on the ribbon take-up spindle is pushed all the way in and locked in place with a “click.”
- Confirm the correct ribbon ink formulation is being used with the installed label material.
- Make sure the ink side of the ribbon will face downward against the label once installed.
- Slide ribbon roll onto the spindle and visually check to be sure it is centered on the spindle and centered over the labels.
- Pull ribbon material off the roll and feed into the ribbon pathway following the white outline arrows shown on the printer.
- Feed the ribbon under the printhead, out the front and then upward over the ribbon anti-wrinkle bar, then back again underneath and counter-clockwise onto the ribbon take-up spindle, tucking the ribbon under the metal tab on the take-up spindle.
- Rotate the ribbon take-up spindle clockwise several turns to ensure ribbon is pulling through and until any wrinkles in the ribbon are gone.
- Leave the printhead open and proceed to step 3 for loading the label roll.

3. Ensure printhead is still open from ribbon loading step, and if not, then open locking lever to lift up the printhead.

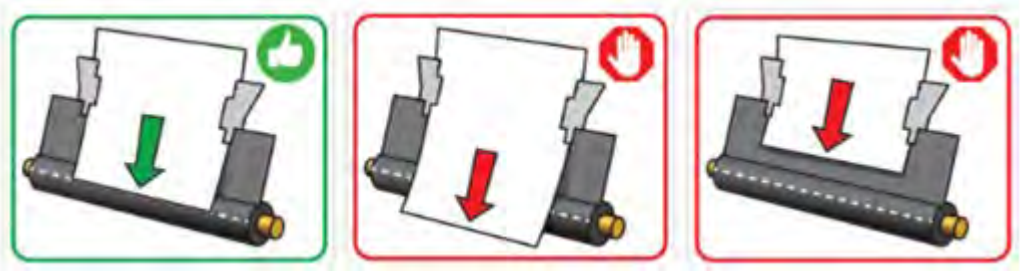
IMPORTANT! Before installing labels, confirm that the leading edge is cleanly cut straight across. This ensures proper alignment of the labels for accurate printing.

4. Lower the label roll centering flange and place label roll onto label roll hanger taking note of the white arrows that indicate the direction of the label feed off of the roll into the print path.
5. Push the label roll centering flange back up and in against the label roll until roll is centered.

   If loading i75-series smart label roll

   - The printer display will show “Brady material roll detected.” If this does not display, then remove label roll and replace back onto the label roll hanger until the auto-detection message displays.

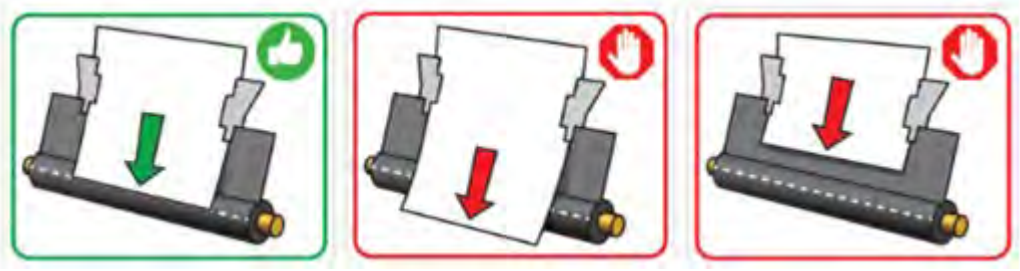
- Route the labels under the dancer bar, forward beneath the printhead, and through the two gray label guides stopping the material with the leading edge in the center of the black rubber print roller. Do **not** feed short of the roller or past the roller.



- Roll the yellow label guide adjuster wheel to narrow the label guides until the guides just touch the edges of the label.
- Close the printhead. Printer will perform a short initialization movement and is then ready to accept a print job.

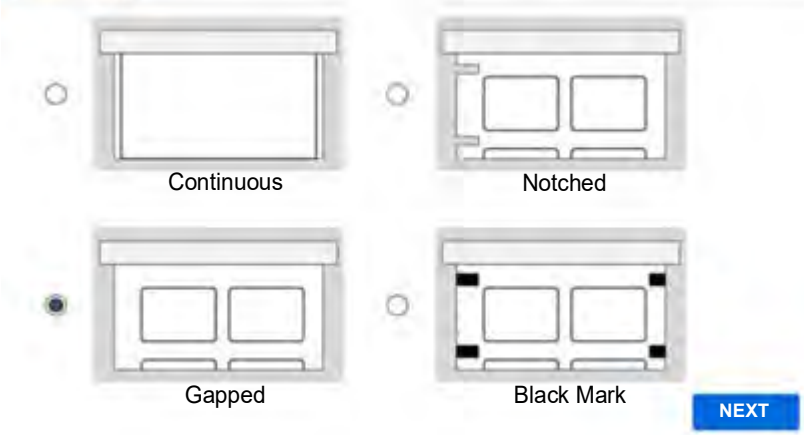
If loading manual (non-i75-series) label roll

- Route the labels under the dancer bar, forward beneath the printhead, and through the two gray label guides stopping the material with the leading edge in the center of the black rubber print roller. Do **not** feed short of the roller or past the roller.



- Roll the yellow label guide adjuster wheel to narrow the label guides until the guides just touch the edges of the label. Do **not** close the printhead yet.

- The printer will display Label Roll Type - tap the roll type for the installed labels then tap **NEXT**.



- The printer will display Label Sensor Position for the roll type that was selected in the previous step and will show the correct sensor location, as indicated by the green light in the illustration.

- Move the optical sensor using the slider and arrow buttons on the screen. Press, hold and slide the yellow slider to make large movements or tap the arrows for minor movements.
- Move the sensor light to rest in the location indicated in the on-screen illustration then tap **NEXT**.
- Close the printhead and proceed to step 6 to calibrate labels.

6. Depending on the label/ribbon combination installed, the printer is either ready to print or will need to have the manual (non-i75-series) labels calibrated.

   If using i75-series smart label roll and i75-series smart ribbon

   - No calibration (feeding out blank labels) is required. Send the print job to the printer.

   If using i75-series smart labels and manual ribbon

   - No calibration (feeding out blank labels) is required. Send the print job to the printer.
   - Because a manual (non i75-series) ribbon is being used, minor adjustments to print speed and heat may be required to achieve desired print quality.
     - If print quality needs to be adjusted – go to **Settings > Print Adjustments** to change print speed, print energy and printhead pressure. Repeat as necessary to achieve desired output quality.

If using manual (non-i75-series) label roll and either type of ribbon

- Label calibration is required.
- Tap the **Feed/Calibrate** icon on the Home screen to perform LABEL CALIBRATION.
- The printer will feed out several empty labels to allow the sensor to detect the front and back edges of the label and the gaps or notches.
  - If the sensor successfully detects the manual (non-i75) label material installed:
    - Do not open printhead, tear or cut off blank labels, and the printer is ready to receive a print job.
    - If print quality needs to be adjusted - go to **Settings > Print Adjustments** to change print speed, print energy and printhead pressure. Repeat as necessary to achieve desired output quality.
  - If the sensor fails to sense the manual (non-i75) label material installed:
    - The printer will display options to TRY AGAIN (recommended, to ensure the roll type and sensor position were set correctly), or to perform a SENSOR CALIBRATION which is an extended set of steps to reset the optical sensor to detect non-i75 series materials that are difficult-to-sense with low liner-to-label opacity differential.

      TRY AGAIN:

      - Tap **Try Again** and follow prompts to check settings and try the label calibration again.

      CALIBRATE SENSOR:

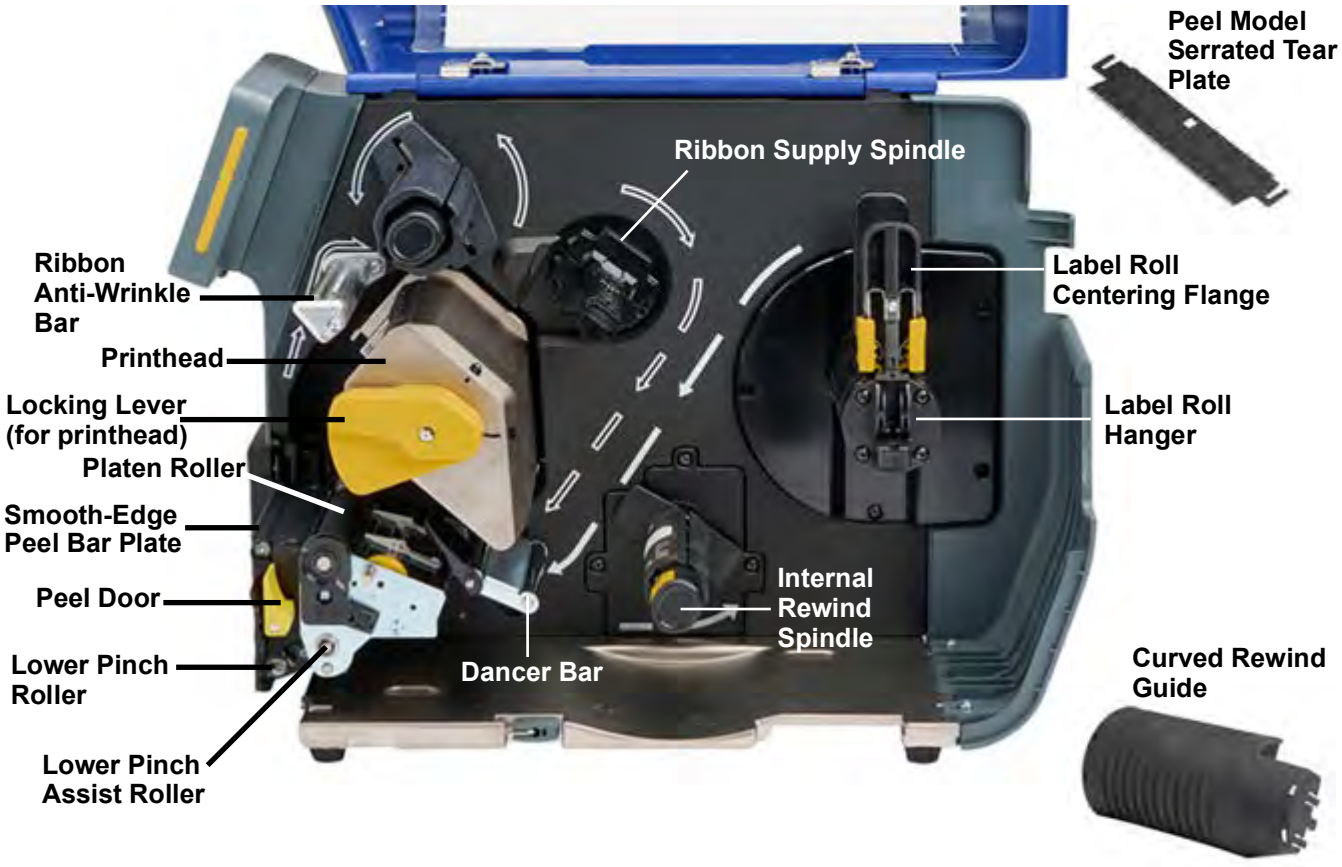
      - Tap **Sensor Calibration** and follow the on-screen prompts.
      - Prompts will ask you to confirm the roll type and sensor light position, and to take separate sensor readings of the bare liner then the liner-with-label, and then verify the new readings with a label calibration.
      - A successful sensor calibration means that the manual printer sensor is now set to be optimized for the installed non-i75 manual label material.
  - **Restoring sensor calibration defaults**
    - Make sure a manual (non-i75 smart) roll is installed in the printer.
    - From the home screen, tap **Settings > System Configuration > Sensor Calibration**.
    - Open the printhead and tap **RESET DEFAULT** then tap **YES**.

Note: Performing a sensor calibration or a reset of values for the sensor calibration are only used for MANUAL printing and DO NOT affect use or sensing of i75-series smart label materials.

- If the printer successfully performs and verifies SENSOR CALIBRATION, the printer is ready to receive a print job.
- If print quality needs to be adjusted, go to **Settings > System Configuration > Sensor Calibration**.

Loading the Ribbon and Labels (Peel Configuration Printer)

The Peel Configuration printer has three printing modes available - Tear-Off, Peel, or Internal Rewind. Two of these modes require the label or liner be attached to the internal rewind take-up spindle which is unique to the Peel Configuration printer. Pay particular attention installed accessories and media attachment status outlined below.



IMPORTANT! Before loading supplies be sure the appropriate accessories are installed or removed for the print mode you intent to use:

- **Peel Mode** requires that the smooth-edge peel bar plate be installed and the curved rewind guide must be REMOVED (if it is installed).
- **Internal Rewind Mode** requires both the curved rewind guide and the smooth-edge peel bar plate be installed.
- **Tear-Off Mode** requires the curved rewind guide be REMOVED and the media NOT be attached to the internal rewind takeup spindle. The smooth-edge peel bar plate can be used to tear off thin paper liners or can be replaced with the peel model serrated tear plate for tearing thicker materials.

IMPORTANT! If the print mode is being changed and the printer is already loaded with labels attached to the internal takeup spindle it is recommended to unload the printer and begin with no labels installed.

IMPORTANT! If using Direct Thermal material be sure to remove the ribbon.

1. Open the locking lever to lift up the printhead.
2. Load ribbon onto ribbon supply spindle.

   If loading i75-series smart ribbon

   - Ensure the spring-loaded shaft on the ribbon take-up spindle is pushed all the way in and locked in place with a “click.”
   - Position the black end-cap of the ribbon cartridge against the end of the ribbon supply spindle aligning the flat dimension of the hole in the end-cap with the flat dimension in the end of the spindle.
   - Slide the cartridge onto the spindle until it stops.
   - The ribbon is automatically centered with the ink correctly facing the label.
   - Pull ribbon material off the roll and feed into the ribbon pathway following the white outline arrows shown on the printer.
   - Feed the ribbon under the printhead, out the front and then upward over the ribbon anti-wrinkle bar, then back again underneath and counter-clockwise onto the ribbon take-up spindle, tucking the ribbon under the metal tab on the take-up spindle.
   - Rotate the ribbon take-up spindle clockwise several turns to ensure ribbon is pulling through and until any wrinkles in the ribbon are gone.
   - Leave the printhead open and proceed to step 3 for loading the label roll.

   If loading Manual (non-i75-series) ribbon

   - Ensure the spring-loaded shaft on the ribbon take-up spindle is pushed all the way in and locked in place with a “click.”
   - Confirm the correct ribbon ink formulation is being used with the installed label material.
   - Make sure the ink side of the ribbon will face downward against the label once installed.
   - Slide ribbon roll onto the spindle and visually check to be sure it is centered on the spindle and centered over the labels.
   - Pull ribbon material off the roll and feed into the ribbon pathway following the white outline arrows shown on the printer.
   - Feed the ribbon under the printhead, out the front and then upward over the ribbon anti-wrinkle bar, then back again underneath and counter-clockwise onto the ribbon take-up spindle, tucking the ribbon under the metal tab on the take-up spindle.
   - Rotate the ribbon take-up spindle clockwise several turns to ensure ribbon is pulling through and until any wrinkles in the ribbon are gone.
   - Leave the printhead open and proceed to step 3 for loading the label roll.

3. Ensure printhead is still open from ribbon loading step, and if not, then open locking lever to lift up the printhead.

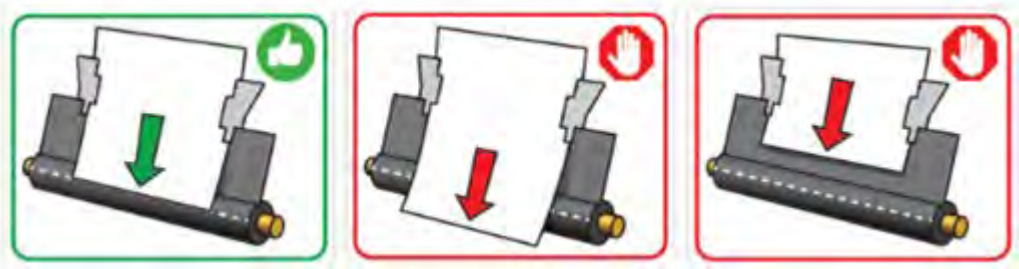
IMPORTANT! Before installing labels, confirm that the leading edge is cleanly cut straight across. This ensures proper alignment of the labels for accurate printing.

IMPORTANT! If using Direct Thermal material be sure to remove the ribbon.

4. Lower the label roll centering flange and place label roll onto label roll hanger taking note of the white arrows that indicate the direction of the label feed off of the roll into the print path.
5. Push the label roll centering flange back up and in against the label roll until roll is centered.

   If loading i75-series smart label roll

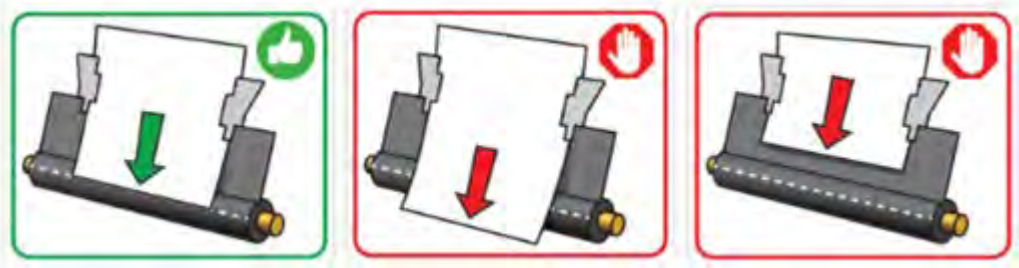
   - The printer display will show “Brady material roll detected.” If this does not display, then remove label roll and replace back onto the label roll hanger until the auto-detection message displays.
   - Route the labels under the dancer bar, forward beneath the printhead, and through the two gray label guides stopping the material with the leading edge in the center of the black rubber print roller. Do **not** feed short of the roller or past the roller.



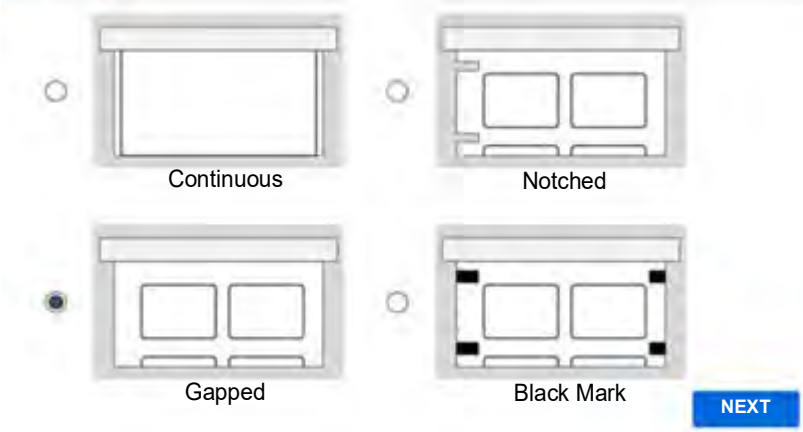
   - Roll the yellow label guide adjuster wheel to narrow the label guides until the guides just touch the edges of the label material then tap **NEXT**.
   - When the printer displays “Printer Mode” on the screen, tap to select one of the options presented: Tear-Off, Peel or Internal Rewind. Confirm that required accessories are installed or removed before continuing (especially if changing the print mode).
   - Close the printhead.
     - Tear-Off Mode:
       - The printer will perform a short initialization movement and is then ready to accept a print job.
     - Peel or Internal Rewind Mode:
       - A setup wizard will appear with instructions for how to feed the labels through the print path and back to attach to the internal takeup spindle; including steps if the labels are already attached to the takeup spindle or if not already attached.
       - If changing the print mode during the wizard it is important to have the correct accessories installed or removed according to the intended print mode.
       - When the wizard is complete the printer is ready to receive a print job.

If loading manual (non-i75-series) label roll

- Route the labels under the dancer bar, forward beneath the printhead, and through the two gray label guides stopping the material with the leading edge in the center of the black rubber print roller. Do **not** feed short of the roller or past the roller.



- Roll the yellow label guide adjuster wheel to narrow the label guides until the guides just touch the edges of the label. Do **not** close the printhead yet.
- The printer will display Label Roll Type - tap the roll type for the installed labels then tap **NEXT**.



- The printer will display Label Sensor Position for the roll type that was selected in the previous step and will show the correct sensor location, as indicated by the green light in the illustration.

- Move the optical sensor using the slider and arrow buttons on the screen. Press, hold and slide the yellow slider to make large movements or tap the arrows for minor movements.
- Move the sensor light to rest in the location indicated in the on-screen illustration then tap **NEXT**.
- When the printer displays “Label Printing Method” on the screen, tap to select either Thermal Transfer or Direct Thermal then tap **NEXT**.
- When the printer displays “Printer Mode” on the screen, tap to select Tear-Off, Peel or Internal Rewind mode making sure the required accessories are installed or removed before continuing (especially if changing the print mode), then tap **NEXT**.
- Close the printhead.
  - **Tear-Off mode**:
    - The printer will display the home screen - tap **Feed/Calibrate** to perform a simple LABEL CALIBRATION on the manual label part.
    - The printer will feed out several empty labels to allow the sensor to detect the front and back label edges, as well as the gaps or notches.
    - If the sensor successfully detects the manual (non-i75) label material installed, do not open the printhead - the printer is ready to receive a print job. Make adjustments to heat, speed and offsets as necessary to achieve desired print output.
    - If the sensor fails to sense the manual (non-i75) material installed, the printer will display options to TRY AGAIN (recommended, to ensure the roll type and sensor location were set correctly) or to perform a SENSOR CALIBRATION (less common) which is an extended set of steps to reset the optical sensor to detect non-i75 series materials that are difficult-to-sense with low liner-to-label opacity differential.

      TRY AGAIN: follow prompts to re-check settings and try label calibration again.

      SENSOR CALIBRATION: follow prompts to reset optical sensor to the installed material opacity. Successful sensor calibration means the printer is ready to receive a print job.
  - **Peel or Internal Rewind mode**:
    - A setup wizard will appear with instructions on how to feed the labels through the print path and back to attach to the internal takeup spindle-including steps if not already attached.
    - During these steps the printer will also first perform a simple LABEL CALIBRATION on the material to detect the front and back edges of the manual (non-i75) label installed.
    - If the printer successfully detects the manual (non-i75) label installed, the wizard will continue the prompts to attach the label to the takeup spindle according the print mode that was selected. When the wizard is complete the printer is ready to receive a print job.
    - If the sensor fails to sense the manual (non-i75) material installed, the printer will display options to TRY AGAIN (recommended, to ensure the roll type and sensor location were set correctly) or to perform a SENSOR CALIBRATION (less common) which is an extended set of steps to reset the optical sensor to detect non-i75 series materials that are difficult-to-sense with low liner-to-label opacity differential.

      TRY AGAIN: follow prompts to re-check settings and try label calibration again. If successful the wizard will continue the prompts to attach the label material to the

takeup spindle according to the print mode selected. When the wizard is complete the printer is ready to receive a print job.

SENSOR CALIBRATION: follow prompts to rest optical sensor to the installed material opacity. Successful sensor calibration means the wizard will continue the prompts to attach the label material to the takeup spindle according to the print mode selected. When the wizard is complete the printer is ready to receive a print job.

6. Depending on the labels installed, the printer is either ready to print or will need to have the manual non-smart labels calibrated.

   If using i75-series smart label roll and i75-series smart ribbon

   - No calibration (feeding out blank labels) is required. Send the print job to the printer.

   If using i75-series smart labels and manual ribbon

   - No calibration (feeding out blank labels) is required. Send the print job to the printer.
   - Because a manual (non i75-series) ribbon is being used, minor adjustments to print speed and heat may be required to achieve desired print quality.
     - If print quality needs to be adjusted – go to **Settings > Print Adjustments** to change print speed, print energy and printhead pressure. Repeat as necessary to achieve desired output quality.

   If using manual (non-i75-series) label roll and either type of ribbon

   - Label calibration is required.
   - Tap the **Feed/Calibrate** icon on the Home screen to perform LABEL CALIBRATION.
   - The printer will feed out several empty labels to allow the sensor to detect the front and back edges of the label and the gaps or notches.
     - If the sensor successfully detects the manual (non-i75) label material installed:
       - Do not open printhead, tear or cut off blank labels, and the printer is ready to receive a print job.
       - If print quality needs to be adjusted - go to **Settings > Print Adjustments** to change print speed, print energy and printhead pressure. Repeat as necessary to achieve desired output quality.
     - If the sensor fails to sense the manual (non-i75) label material installed:
       - The printer will display options to TRY AGAIN (recommended, to ensure the roll type and sensor position were set correctly), or to perform a SENSOR CALIBRATION which is an extended set of steps to reset the optical sensor to detect non-i75 series materials that are difficult-to-sense with low liner-to-label opacity differential.

         TRY AGAIN:

         - Tap **Try Again** and follow prompts to check settings and try the label calibration again.

         CALIBRATE SENSOR:

         - Tap **Sensor Calibration** and follow the on-screen prompts.
         - Prompts will ask you to confirm the roll type and sensor light position, and to take separate sensor readings of the bare liner then the liner-with-label, and then verify the new readings with a label calibration.

- A successful sensor calibration means that the manual printer sensor is now set to be optimized for the installed non-i75 manual label material.

- **Restoring sensor calibration defaults**
  - Make sure a manual (non-i75 smart) roll is installed in the printer.
  - From the home screen, tap **Settings > System Configuration > Sensor Calibration**.
  - Open the printhead and tap **RESET DEFAULT** then tap **YES**.

Note: Performing a sensor calibration or a reset of values for the sensor calibration are only used for MANUAL printing and DO NOT affect use or sensing of i75-series smart label materials.

- If the printer successfully performs and verifies SENSOR CALIBRATION, the printer is ready to receive a print job.
- If print quality needs to be adjusted, go to **Settings > System Configuration > Sensor Calibration**.

7. After the first label prints, remove it and press **Next** on the touchscreen and remove each label as it is presented.

Initial Printer Settings

The first time you turn on the printer, instructions on the touchscreen walk you through the settings that must be configured the first time you use the printer. The following sections detail these settings should you need to change them in the future, and provide instruction on a few additional settings to consider when setting up the printer.

For an introduction to using the touchscreen, see Touchscreen on page 39. For print settings see Print Adjustments on page 53.

For information on power save mode, see Power Save Mode on page 8.

Language

To set the language for text on the touchscreen:

1. With the printer turned on, tap **Settings**.
2. Tap **System Configuration**, then **Language**.
3. Tap the desired language. You may need to scroll to see all available languages. Touch the screen and drag your finger up or down to scroll.
4. Tap the back arrow to go back to the previous screen.

Keyboards

The printer displays a keyboard on the screen when you have to type data, such as when you name the printer. Because different languages use different sets of characters, you may need keyboards with different character sets. By default the printer uses the appropriate keyboard for the language setting. For example, if the printer language is set to Simplified Chinese, the printer will automatically display a keyboard with Simplified Chinese characters. If you only want to use the default keyboard, you do not need to change any keyboard settings.

To select a virtual keyboard:

1. From the home screen, tap **Settings**.
2. Tap **System Configuration**, then **Virtual Keyboard**.

   A list of supported keyboards is displayed.
3. Tap the check box for each keyboard that you want to have available when using the printer. You can select multiple keyboards. The default keyboard (that for the printer language) is shown at the top of the list and cannot be deselected.

   When you use the keyboard later, the default keyboard is shown. Tap the globe icon to switch to a different enabled keyboard. Each time you tap the globe icon, the display switches to another enabled keyboard.

To connect an external keyboard:

1. Plug the keyboard's USB cable into the USB port on the printer.
2. On the home screen tap **Settings**.
3. Select **External Hardware**.
4. Select **USB Keyboard** then choose the appropriate type of keyboard from the list.

Units of Measure

Set the unit of measure to inches or millimeters.

To set the unit of measure:

1. From the home screen, tap **Settings**.
2. Tap **System Configuration**, then **Measurement Units**.
3. Tap either **Inches** or **Millimeters**.
4. Tap the back arrow to go back to the previous screen or the home icon.

Date and Time

Set the printer's clock to the current date and time.

To set the date and time:

1. From the home screen, tap **Settings**.
2. Tap **System Configuration**, then **Date and Time**.
   The left side of the screen displays the current settings.
3. To change the settings, tap the controls on the right.
   - **Use 24-hour format:** Tap the switch to change between 24-hour format and 12-hour format with AM and PM. When the switch is red, the printer uses 12-hour format. When the switch is green, the printer uses 24-hour format.
   - **Set date:** Tap to display date controls. To change the date, either tap on an element and select a new value, or tap the arrows above or below an element.
   - **Set time:** Tap to display time controls. To change the time, either tap on an element and select a new value, or tap the arrows above or below an element.
   - **Set time zone**: Tap to display the different time zones available. Tap the time zone desired.
4. Tap the back arrow to go back to the previous screen or the home icon.

Storage Location

Choose whether the printer accesses files from memory or from a USB drive.

To set the storage Location:

1. From the home screen, tap **Settings**.
2. Tap **System Configuration**, then **Storage Location**.
3. Tap the desired value.
   - **Internal memory:** Choose this option to save files to and print files from the printer's internal memory. When you tap Files on the home screen, the printer will access the list of files that are in the printer's internal memory. Further, if you print a file from Brady Workstation or Brady Express Labels app and choose the Store On Printer option in Brady Workstation, that file will be stored on the printer's internal memory for later stand-alone-printing using the printer's display and print queue (see page 45).
   - **External memory:** Choose this option to save files to and print files from a USB drive that is inserted into the printer. When you tap Files on the home screen, the printer will access the list of files that are on the inserted USB drive. Further, if you print a file from Brady Workstation with a USB drive inserted and choose the Store On Printer option in Brady Workstation, that file will bypass the printer's internal memory and be stored directly onto the inserted USB drive. That USB drive can be inserted into any i7500 printer and the file can be stand-alone-printed using the printer's display and print queue (see page 46).

Note: Print jobs for 4x6 labels with a file size of 105MB or greater will not import from External Storage. These print jobs should be stored directly on the printer. See Storing Files on the Printer on page 42.

4. Tap the back arrow to go back to the previous screen or the home icon.

Password

Setting

Setting a password allows you to block access to changing settings on the printer.

To set a password:

1. From the home screen, tap **Settings**.
2. Tap **Printer Password**.
3. Tap the switch to change enable a password.
   If the switch is gray, it is off. If the switch is blue, it is on.
4. Tap **Set Printer Password**.
5. Enter the password, which must be 8 characters and contain at least:
   - a number
   - an uppercase letter
   - a lowercase letter
6. Tap the enter key on the virtual keyboard.
7. Re-enter the password and tap the enter key on the virtual keyboard.
8. Tap **Advanced Settings** and choose which settings will need a password to be changed.

Changing

To change an existing password:

1. From the home screen, tap **Settings**.
2. Tap **Printer Password**.
3. Tap **Set Printer Password**.
4. Enter the existing password and tap the enter key on the virtual keyboard.
5. Enter a new password, which must be 8 characters and contain at least:
   - a number
   - an uppercase letter
   - a lowercase letter
6. Enter the new password a second time to confirm it.
7. Tap the enter key on the virtual keyboard.

Re-setting

To re-set a forgotten password:

1. From the home screen, tap **Settings**.
2. Tap **Printer Password**.
3. Tap **Forgot Password**.
4. Call Technical Support (see Contact Information on page iv).

5. Type in the Printer Key provided by Technical Support.
6. Create a new password, which must be 8 characters and contain at least:
   - a number
   - an uppercase letter
   - a lowercase letter
7. Enter the new password a second time to confirm it.
8. Tap the enter key on the virtual keyboard.

Notifications

Use this to suppress certain warnings on the printer.

To turn notifications off or on:

1. From the home screen, tap **Settings**.
2. Tap **Notifications**.
3. Tap the switch next to your desired selection(s) to enable or disable.
   If the switch is gray, it is off. If the switch is blue, it is on.

Accessories

Standard and Cutter Configuration Printers

- **Printhead**
  - Available DPI - 300 and 600
    - Only i7500 printheads from Brady are compatible with the printer
  - Printhead can be replaced with either dpi with no calibration or firmware update required, as long as the printer's firmware version is 2.0 or higher
- **Auto Cutters**
  - Heavy Duty Guillotine Auto Cutter - full cut-through of label media
  - Perforation Cutter - can be set to partial cut-through so that the output strip of labels remains intact, but are easily separated, or set to full cut-through after each label
  - Cutters attach to the standard configuration printer easily by using the on-board T-20 wrench
  - Cutters are not compatible with the peel configuration printer
- **Cutter Tray (replacement)**
  - For collection of cut labels - clips into slots on front of the auto cutter accessory
  - Cutter tray comes with the guillotine auto cutter accessory
- **Standard and Model Serrated Tear Plate (replacement)**
  - Serrated Edge - tears through the paper liner between labels and through continuous paper labels (not recommended for thick stock liners, non-paper liners, or continuous non-paper labels)
  - Attaches easily to printer using the on-board T-20 wrench
  - Not for use in conjunction with any auto cutter accessories
  - Not compatible with the Peel Configuration printer
  - Tear plate comes with the Standard Configuration printer
- **T-20 Wrench (replacement)**
  - Comes standard with all printers and is located conveniently inside the printer
  - Use to attach or remove accessories, as well as to remove the rear housing in certain external-feed applications.
- **Platen Rollers**
  - Choose from 25, 50, 80 and 114mm widths (all printers ship with 114mm installed)
  - Replacing a worn or damaged platen roller improves print quality and reduces the need to increase the print energy (heat applied to printhead)
  - Using a narrow platen roller with narrow ribbons on narrow labels reduces printhead wear
  - Always ensure the platen roller is wider than the label and ribbon widths
  - Easily remove and install the platen roller using the on-board T-20 wrench

Peel Configuration Printer

- **Smooth Edge Peel Bar Plate (replacement)**
  - Presents the peeled label for easy removal
  - Ships installed on Peel Configuration printer
  - Not compatible with Standard or Configuration printers
- **Peel Model Serrated Tear Plate (replacement)**
  - Serrated edge for tearing-off through the paper liner between labels and through continuous paper labels (not recommended for tearing-off thick stock liners, non-paper liners or continuous non-paper labels)
  - For use on peel configuration printer when NOT printing in peel-and-present mode and serrated tear-off is desired
  - Peel Configuration printer ships with this plate in the box
  - Not compatible with Standard or Configuration printers
- **Curved Rewind Guide (replacement)**
  - For use on Peel Configuration printer when internally rewinding printed labels
  - Peel Configuration printer ships with this guide
  - Attaches to front of peel model printer (snap fit)
  - Not compatible with Standard,, or Cutter Configuration printers
- **Internal Rewind 1.5" Diameter Takeup Core (spare core)**
  - For use on peel configuration printer to take up spent liner or internally rewound printed labels
  - 1.5" inside diameter
  - Peel configuration printer ships with 1 of these cores
- **Label Taken Sensor**
  - Optional accessory for use on Peel Configuration printer for peel-and-present print jobs
  - Sensor detects when presented label is removed and automatically triggers print-and-peel of next label in job
  - Without the sensor the next label print is triggered by a manual tap on touchscreen
  - Attaches to peel model printer using on-board T-20 wrench
- **Printheads and Platen Rollers**
  - The printheads and platen rollers on page 37 are also compatible with the Peel Configuration printer
  - Peel Configuration printer ships with 114 mm platen roller

For information on installing accessories, please refer to the instructions provided with the accessory.

3 General Operation

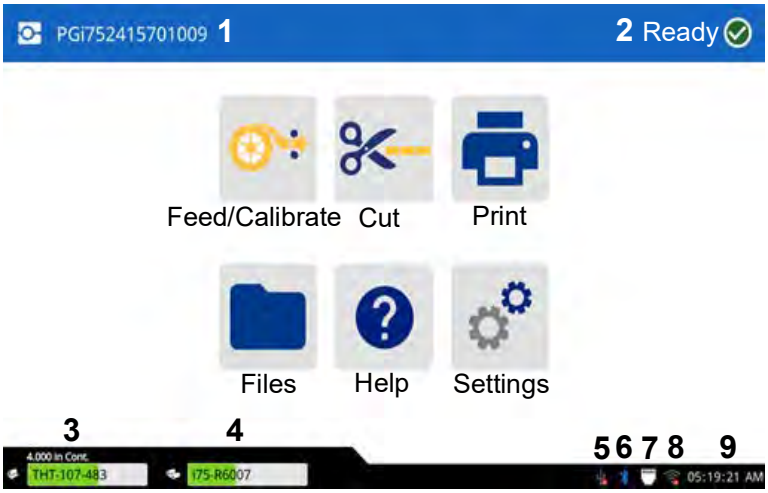
Touchscreen

Use the printer's touchscreen to configure settings, check status, and print labels, among other functions. Touch the screen with your finger or the included stylus to make a selection.

IMPORTANT! Do not use a pen or other sharp object. Doing so may damage the touchscreen surface. A stylus has been provided for use on the touchscreen (replacement part number STYLUS-CAP); be sure to use only the soft rubber end.

To change the brightness:

1. On the home screen tap **Settings**.
2. Tap **Display**.
3. Tap **Adjust Brightness**.
4. Use the slider or the plus and minus buttons to increase or decrease the brightness.



Note: The cut button is only shown when the cutter is installed.

1 Printer name (default is the serial number) will include 300 or 600 for the type of printhead installed.
2 Printer status
3 Label supply status, size and part number
4 Ribbon supply status, size and part number
5 USB Connection
6 Bluetooth, available on specific models
7 Ethernet Connection
8 Wi-Fi status, available on specific models
9 Clock

Navigation and Status Bar


Tap the home button at any time to return to the home screen.


Tap the back button to go back to the previous screen.

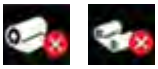

Tap the more menu for additional options (not available on all screens).


Tap the enter button to confirm your selection.


Tap to delete.


Reset to default (not available on all screens).

The printer and material status icons in the status bar at the bottom of the home screen provide the following information.

Icon	Meaning
	The text beside these icons indicate the label and ribbon material installed in the printer (when i-75 series materials are used).
	The printer cannot read the memory cell on the label or ribbon when using i75-series smart materials. Labels or ribbon may not be installed, may be installed incorrectly, or the memory cell may be corrupted.
 blinking	The printer is receiving data from a computer connected with a USB cable or from the network.

Material Details

To see detailed information about the installed i75-series smart supplies, tap the label or ribbon part number in the status bar to open the Material Details screen. No information will be available for manual supplies.

To close the screen, tap the x in the upper right corner.

i75-series Labels i75-series Ribbon

i75-series Labels Manual Ribbon

Manual Labels i75-series Ribbon

Manual Labels Manual Ribbon

Creating Labels

Brady Workstation

The i7500 Label Printer is compatible with Brady Workstation desktop software and Brady Express Labels app. When you first create a label file, you specify the printer. This allows the software to provide features specific to your printer. Also, the software automatically recognizes all i75-series smart labels installed in the printer, making label creation easier and faster. No driver installation is required.

For operation of the printer with other software, refer to the documentation for your application. The printer driver is required if using third-party software. See Installing the Printer Driver (Optional) on page 15.

Storing Files on the Printer

Using Brady Workstation software, you can either send files to be printed immediately or store them on the printer to be stand-alone printed when needed, right from the printer display, even if the operator does not have access to Brady Workstation at the time of printing. See Printing Jobs Stored on the Printer on page 45.

Note: When storing jobs on the printer, the jobs are limited to approximately 500 labels and smaller than a 2MB job size. Contributors to a large job size include graphics, embedded serialization, and the physical size of the label.

To store files on the printer's internal memory:

1. Make sure the printer is connected to the computer with the USB cable.
2. On the printer, set the storage location setting to **Internal Memory** via the Settings icon on the printer's home screen.

   For instructions, see Storage Location on page 34.
3. In Brady Workstation software, open the file and go to the print screen and make any adjustments to quantity, collation, etc.

Note: When connected to the i7500 printer, the software provides options to either print the file immediately from the PC or to store onto the printer for later printing from the printer screen. The large blue PRINT / STORE button, in the lower right corner of the software, is used to toggle between these two options.

4. Choose the option to STORE on printer by using the small arrow next to the PRINT button to select store on printer.
5. Touch the STORE button and provide a filename when prompted.

Note: If any print settings are locked when the file is saved in BWS the corresponding settings in the printer will be grayed out.

To store files on multiple printers:

Connect the computer running Brady Workstation to each printer in turn, following the steps above to store files on the printer. This cannot be done using a USB drive.

To delete a file stored in the printer's internal memory:

1. Be sure the storage location on the printer is set to Internal Memory.

   For instructions see Storage Location on page 34.
2. On the home screen on the printer, tap **Files**.
3. Find the file that you want to delete.

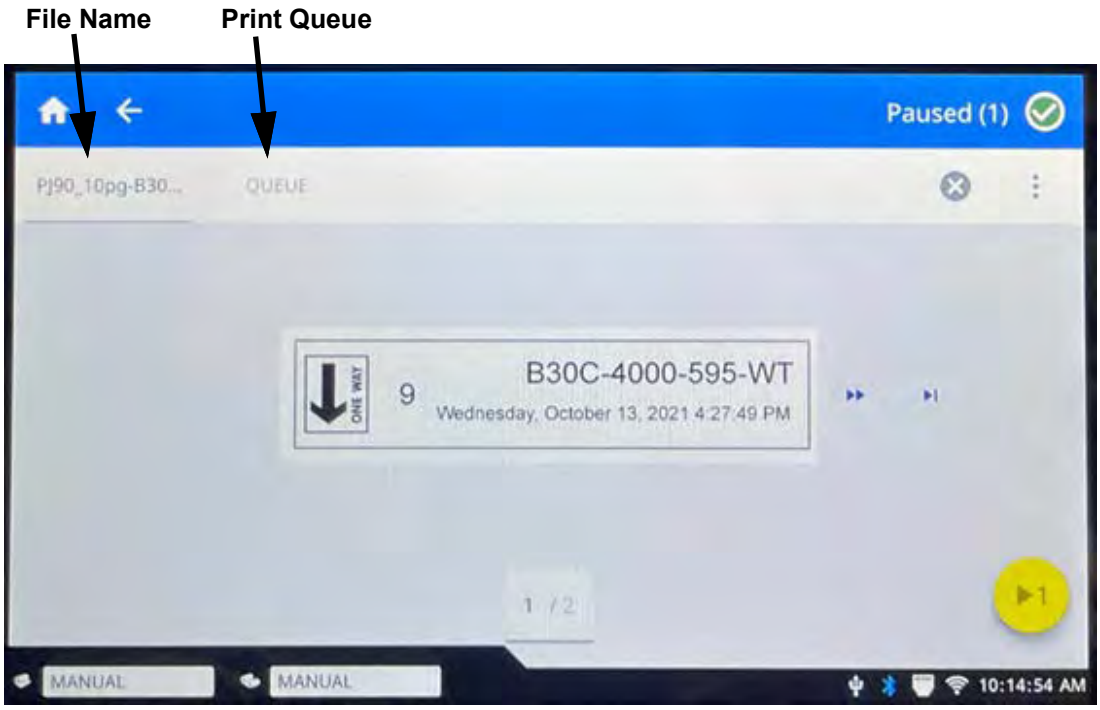
   See File List on page 50.
4. Tap the file to select it and then tap the more menu button in the upper right of the screen.
5. Delete the file.

To store files on to a USB drive for later use in stand-alone printing right from the printer, see Printing from a USB Drive on page 46.

Print Screen

The print screen is displayed while a file is printing.

When printing starts, the touch screen displays an image of the label being printed, a counter, and a pause button. More options are available when printing is paused, as shown below.



CAUTION! When using smart supplies, if the wrong type of label for the file is in the printer, a message is displayed. Use caution when overriding this warning message. The label size or type loaded in the printer may not be appropriate for the print file and will generate scrap.

The following table describes the controls and information on the touch screen when a print job is running or paused.

Icon	Description
	Goes to the next label. (Not available if the print file contains only one label.)
	Goes to the previous label. (Not available if the print file contains only one label.)
	Goes to the last label in the file. (Not available if the print file contains only one label.)
	Goes to the first label in the file. (Not available if the print file contains only one label.)
	Print. Start or resume printing.(A numeral next to the icon indicates that the next label will print.)
	Pause printing. The job will stop and will not cut immediately. The cover can be opened and as long as the printhead is not lifted the print job can be resumed. This can be used to feed or feed-n-cut the current label and resume the next label for die cut. Or you can feed or feed-n-cut the current label by 2 inches (50mm) for resume on continuous labels. It will advance to next label and cut. When the printhead is lifted to replace ribbon, printer loses registration and the current label will be cut.
label number	Displays the current position in the label file as well as the total number of labels. Tap the current label number (within a rectangle) to jump to a particular label. A keypad opens. Tap the label number on the keypad and then tap the enter button.
	Cancel. Only available when printing is paused.
	More Menu. Provides a control to turn on the print on demand feature for the current print job only. For a description of the feature see Print on Demand on page 55.
	The File info icon is only visible when a single file is selected. Tap it to display file information which consists of the following. • An image of the first label in the file. • The label type for which the file was created. • The size of the label. • The number of labels in the file. • The date the file was created. • The size of the file in bytes. You can also delete or print the file from the information screen.

Printing Labels

As you print labels, keep the following in mind:

- The printer cuts between label rows or at the end of the job, according to the selected cut settings. See Cut Automatically on page 55.
- If there is no label or ribbon installed, printing does not start and you will be prompted to install the supplies.
- If you open the printhead during the print operation, printing is paused and a message prompts you to close the cover. Tap the play button on the print screen to resume printing.
- Labels should be removed immediately after printing.

Printing from Software

The simplest printing scenario is to initiate printing in Brady Workstation software or Brady Express Labels app and all the labels in the file print immediately.

To print:

1. Make sure Print on Demand is set to the desired state on the printer. See Print on Demand on page 55.
2. Open the label file in Brady Workstation software or Brady Express Labels app and initiate printing.
   - **With Print on Demand OFF:** All labels in the file print without input from an operator.
   - **With Print on Demand ON:** The printer displays the labels to be printed. The operator must tap the print button on the touchscreen to print each individual label in the file. For help using the touchscreen during printing see Print Screen on page 43.

Printing Jobs Stored on the Printer

This method is very efficient for files that get printed frequently with no edits to content or quantity. It is also ideal when you need to prevent label content from being changed. However, print settings for Brady Workstation files, denoted by the Brady icon, can be changed.

To print a job stored in internal memory:

1. Be sure the storage location on the printer is set to Internal Memory, which can be accessed through **Settings > System Configuration**.

   For instructions see Storage Location on page 34.
2. On the printer's home screen, tap **Print**.
3. Tap the file or files that you want to print. Each file is added to the print queue in the order you select them.

   For more information on using the file list including searching and sorting, see File List on page 50.
4. Tap the print button in the upper right.

   For details see Print Screen on page 43.

Printing from a USB Drive

A print job can be stored onto a USB drive for additional mobility when stand-alone printing from multiple printers. Jobs stored on a USB drive can then be printed from the printer screen when the USB drive is inserted into the printer.

Store the print job on the USB drive:

1. Make sure the printer is connected to the computer with the USB cable.
2. On the printer, set the Storage Location setting to **External Storage,** which can be accessed through **Settings > System Configuration**. See Storage Location on page 34.
3. Insert the USB drive into the USB port on the printer.
4. In Brady Workstation software, open the label file and go to the **Print** screen.
   a. Select the i7500 printer, if it is not already selected.
   b. Configure the print settings as desired. This includes number of copies, sorting, and advanced settings such as cutting options. All of these settings are saved with the print job when it is stored on the USB drive.
   c. Click the arrow on the PRINT button and select **Store on Printer**.
      The button name then changes to *STORE*.
   d. Click **STORE** and enter a name for the print job.
      The print job is now stored on the USB drive that is installed in the printer. (It is NOT stored in the printer's internal memory.) The USB drive can now be inserted into a different i7500 Label Printer, of the same dpi, and the job printed from the USB drive.
   e. The job cannot be transferred from the USB drive to the printer's internal memory. The only way to store a job in the printer's internal memory is to store directly from the PC to the printer via USB cable, as described on page 13.

Note: If any print settings were locked when the file was saved in BWS the corresponding settings in the printer will be grayed out.

Print job from the USB drive:

1. Be sure the storage location on the printer is set to **External Storage**.
   For instructions see Storage Location on page 34.
2. On the printer's home screen, tap **Print**.
3. Tap the file or files that you want to print. Each file is added to the print queue in the order you select them.
   For more on using the file list including searching and sorting, see File List on page 50.
4. Tap the print button in the upper right.
   For details see Print Screen on page 43.

Delete a job stored on a USB drive:

1. Be sure the storage location on the printer is set to **External Storage**.
   For instructions see Storage Location on page 34.
2. On the home screen on the printer, tap **Files**.
3. Find the file that you want to delete.
   See File List on page 50.
4. Tap the file to select it and then tap the more menu button in the upper right.
5. Tap the **delete** icon.

Printing Double-Sided Sleeves

Two-pass printing for i75-series double-sided sleeves is supported on the standard configuration or auto cut configuration printers only, with the following accessories and considerations shown below.

- It is highly recommended to use the heavy-duty guillotine auto cutter accessory with the auto cutter print mode, whenever printing sleeves.
- Using a serrated tear plate with the tear-off print mode can be done, with great care, but is **not** recommended. Accordingly, the Peel Configuration printer does not accept auto cutters and is **not recommended** for printing double-sided sleeves.
- Printing manual (**non** i75-series) rolls of double-sided sleeves is not recommend or supported.

Note: Using Brady Workstation Software in conjunction with i75-series smart sleeve rolls is required for the highest quality print and no waste when printing non-black, double-sided sleeves.

The printer can print both sides of i75-series double-sided sleeves without wasting any leading sleeves. When printing double-sided sleeves, print side one directly from the roll. To print side two follow on-screen prompts, cut the label supply at the end of the job, then load the printed side one strip of sleeves blank side up into the back of the printer for the second print pass.

Note: When printing double-sided sleeves, the total length of the strip printed must meet or exceed 5 inches (127mm) in order for the end of the strip of labels (side one only) to cover the optical sensor and initiate printing. When printing the second side, the leading edge must be in the middle of the platen roller.

Note: When printing on black double-sided sleeves, the printer will advance the labels leaving the first one blank. Do not remove this sleeve. When installing the strip to print the second side, feed the leading edge of the strip, including the blank sleeve, to the correct location in the middle of the black rubber platen roller; the blank sleeve will be skipped and printing will begin on the second sleeve.

To print i75-series double-sided sleeves with the heavy-duty guillotine auto cutter installed:

1. Install the Auto Cutter on page 83.
2. Tap **Settings > Print Adjustments > Print Mode > Current Operating Mode** and select **Auto Cutter**.
3. Initiate printing of a Brady Workstation double-sided sleeve print job.
4. When side one is done, the printer will automatically cut at the end of job and display instructions for how to prepare side 2, along with a button. **Do not tap the button, read the instructions before proceeding!**

5. Open printhead using the yellow lever but **do not remove the roll of sleeves**.
6. With the label roll in place, spin the roll counter-clockwise pulling the leading edge of the material backward about 12 inches (305mm) leaving the print path empty.

Note: The label roll must remain in the printer or an error condition will result.

7. Insert the leading edge of the printed strip of sleeves blank-side-up into the print path beneath the printhead and between the label guides, as though you were loading new labels. Stop the leading edge when it is in the center of the black rubber platen roller.

Note: To facilitate longer strips of sleeves, the strip can be fed through the slot in the rear of the printer, then fed over the top or behind and under the installed roll of sleeves. The rear gray housing can also be removed using the T20 wrench to provide additional clearance when feeding in the strip of sleeves.

Note: Take care to insert the correct end of the strip for second-side print pass - “first sleeve first.”

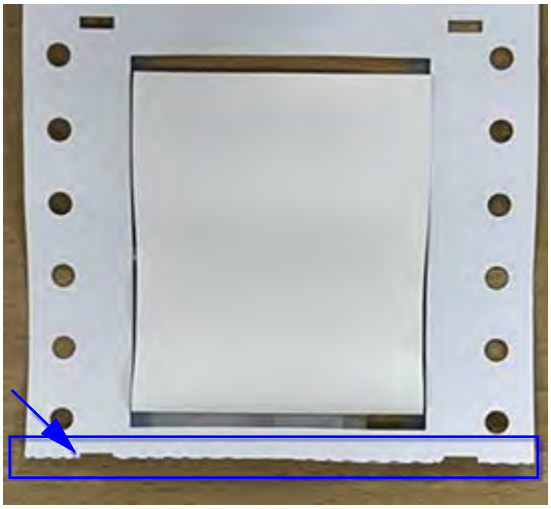
8. Close the printhead using the yellow lever.
9. After the labels move back and forth, touch **PRINT SIDE 2** on the printer’s display.

To print i75-series double-sided sleeves with a serrated tear plate:

1. Install the serrated tear plate.
2. Tap **Settings > Print Adjustments > Print Mode > Current Operating Mode** and select Tear-Off.
3. Initiate printing.
4. When side one is done, the message “Side 1 Complete” is displayed.
5. Tear or manually cut after the last label. If more space to cut off is not needed, tap OK and proceed to step 6.

Note: If additional space is needed to cut with a scissors, do not tap OK. Open the printhead and pull the material forward to cut off. Then tap OK on the “head open” screen and tap OK on the “tear or cut” screen. Then proceed to step 6.

Note: The edge notch at the leading edge must be cut through the center of the notch. If this was not accomplished using the tear plate, use a scissors to trim straight across.



6. The message “Prepare Side 2” along with a button will be displayed.
7. Push the leading edge of the unprinted supply backward out of the guides and back onto the roll, but do not remove the roll itself.

   This clears the print path.

Note: The label roll must remain in the printer or an error condition will result.

8. Thread the strip of sleeves through the label guides and pull forward so the leading edge sits just past the black rubber roller. If the strip of sleeves is long, you can thread the trailing end out the slot in the back of the printer.
   - The leading edge must be the first sleeve in your print sequence.
   - The printed side must be facing down.
9. Close the cover and tap Print Side 2 on the touchscreen.

File List

Use the file list to manage and select files and to see information about files.

To use the file list:

1. Open the file list.
   - Tap **Files** on the home screen to display the list of files, view file information or delete files.
   - Tap **Print** on the home screen to display a list of printable files. It is also recommended to use for printing files and changing label quantity on some types of files.
2. Make sure the correct file location is selected. Tap the down arrow next to the file location and then tap the desired location.
   - **Internal Memory** shows files residing on the printer.
   - **External Storage** shows files residing on a USB drive that is plugged in to the printer.
3. Change the file list view if desired. Tap the more menu button in the upper right corner and then tap one of the following.
   - **Thumbnail View** displays the files in a grid showing thumbnail images.
   - **List View** displays the files as a list of file names.
4. Find the files that you want to work with. Drag your finger up or down on the screen to scroll through the list of files. For help refining the list see Searching, Sorting, Filtering, and Changing shown below.
5. Tap files to select them.

   You can tap multiple files. Once selected you can view file information or print if files are a printable type.

Searching, Sorting, Filtering, and Changing

If the list of files is long, you can find the file that you want faster by searching, sorting, or filtering the list. To display the list of files see File List shown above.

To search for a label in the list:

1. With the list of files open, tap the more menu icon in the upper right corner.
2. Tap **Search**.
3. Use the keyboard displayed on the touchscreen to type all or part of a file name to search for. The search is not case sensitive.
4. Tap the enter button.
5. The list of files displays only files found in the search. To clear the search and display all files again, tap the X next to the search term above the list.

To sort the list:

1. With the list of files open, tap the more menu button.
2. Tap **Sort**.
3. Tap one of the following options.
   - **Name** sorts alphabetically by file name. Tap *Name* again to switch the sort direction between a-z or z-a.

- **Last modified** sorts by date. Tap Last modified again to switch the sort direction from newest to oldest or vice versa.
- **Number of labels** sorts by the number of labels in the file. Tap *Number of labels* again to switch the sort direction from most to least or vice versa.

4. Tap **Done**.

To filter the list by file type:

1. Tap **Files** on the home screen. (Filtering is not available from the Print icon.)
2. Tap the more menu button.
3. Tap **Filter** and then tap **Documents**, **Images**, or **Fonts**. Documents are label files. Graphics and fonts are used in scripts.

To change print settings on a .bws file format only:

Printable files generated and stored from Brady Workstation as a .bws file format are denoted by a Brady icon. For only these files can the print settings be changed.

1. Tap **Print** on the home screen.
2. Select Internal Memory or External Memory if the files are on a USB drive.
3. Select the stored file created on Brady Workstation.
4. Tap the **More Menu**.
5. Scroll down and tap on **Print Settings**.
6. Change the desired settings.
7. Tap **Save** (the checkmark icon) then print the file.

Print Queue

The print queue is available from the print screen when files are being printed. Use it to add more files to the queue, delete files from the queue, or change the print order.

To see the print queue during printing:

1. Start printing a file or files.
   See Creating Labels on page 41.
2. While printing, tap the **QUEUE** tab to see the queue. Printing will continue, but if desired the pause button can be used to pause printing.

Adding Files to the Queue

To add files to the queue during printing:

1. While printing, tap the **QUEUE** tab on the print screen.
2. Tap the + button to open the file list.
3. Find the file that you want to add.
   See File List on page 50.
4. Tap the file and then tap the print icon.

Removing Files From the Queue

To remove one file from the queue:

1. While printing, tap the **QUEUE** tab on the print screen.
2. Tap the pause button to pause printing, and then tap **Pause Now**.
3. Tap the file that you want to remove from the queue.
4. Tap the X icon to cancel the job.

To remove all files from the queue:

1. While printing, tap the **QUEUE** tab on the print screen.
2. Tap the pause button to pause printing, and then tap **Pause Now**.
3. Tap the more menu icon.
4. Tap **Cancel All**, and then tap **Cancel Job**.

Changing the Print Order

To change the print order:

1. While printing, tap the **QUEUE** tab on the print screen.
2. Tap the file that you want to move up or down in the queue. You cannot move the first file in the list.
3. Use the arrows to move the file.

Print Adjustments

These settings will be used on all print jobs for the specific label and ribbon type installed.

To change print settings:

1. On the home screen tap **Settings**.
2. Tap **Print Adjustments**.
3. Tap the desired setting. See the following sections for details on each.

Note: The Reset to Brady Defaults button sets the printer back to factory defaults for all settings that pertain to the installed ribbon and labels. To reset a single setting back to default, go to the setting and click Reset Defaults.

Bookmarks

Smart Supplies Operation

When using both i75-series smart labels and ribbons, changing any of the print settings will automatically create a bookmark. The next time those two i75-series smart part numbers are installed the settings will be remembered and used. There is no limit to how many label/ribbon combinations can be assigned bookmarks, but there can only be one bookmark assigned for **each** label part number/
ribbon part number combination.

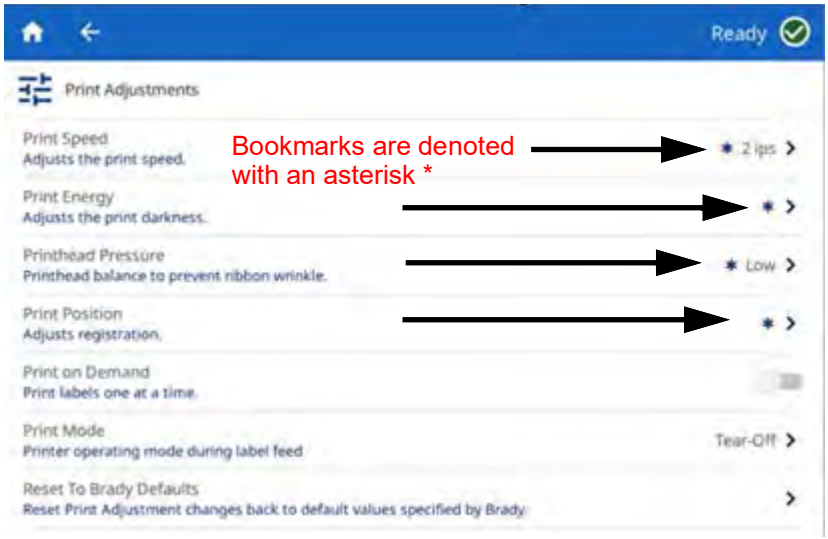
Partial Smart Supplies Operation

When using i75-series smart labels with a non-i75-series manual ribbon, changing any of the print settings will automatically create a bookmark. The next time that same i75-series label part number is installed the settings will be remembered regardless of what manual ribbon is installed.

When using non-i75-series manual labels and an i75-series smart ribbon, adjustments to changing any of the print settings will not create a bookmark and will not be remembered the next time that i75-series smart ribbon is installed, regardless of what manual label roll is installed.

Manual Supplies Operation

When using both non-i75-series labels and non-i75-series ribbons, neither bookmarks nor any adjustments to print settings will be remembered or saved for the next time those two products are installed.



Changing or Deleting Bookmarks

Using Reset to Default within any print setting will update the existing bookmark with the new setting. To delete a bookmark, scroll to the bottom of the Print Adjustments screen and click on Reset to Brady Defaults.

Print Speed

Print speed lets you adjust the speed setting from 1 to 10 inches per second (ips) on the 300 dpi printer and 1-5 ips on the 600 dpi. Optimal print speed settings are set automatically by the smart cell for the installed supply and should only be changed if you are experiencing problems. For example, you can change print speed if you want to print graphics or other densely populated labels more slowly to ensure complete coverage.

Use the slider to increase or decrease the speed.

Note: The selected print speed setting will stay in effect for all subsequent print jobs with the currently installed label supply. When new supply is installed, the print speed is reset to the default setting for that label or with the setting defined by a bookmark.

Print Energy

Use the slider to adjust for darker or lighter printing. Print a label to test the setting.

The print energy setting defines how much heat is applied to the printhead when printing a label. The darker the print energy, the more ink is transferred to the label. Optimal print energy settings are set automatically by the smart cell for the installed label supply and should only be changed if you are experiencing problems. For example, if printing is spotty you may want to increase the print energy to make sure more of the ribbon ink transfers to the label. However, if your ribbon is sticking or tearing during printing, the heat energy may be too high and should be reduced.

CAUTION! Constantly printing at high energy levels may cause printer jams or other printing errors and may reduce the overall life of your printhead.

Note: The selected print energy setting will stay in effect for all subsequent print jobs with the currently installed label supply. When new label supply is installed, the print energy level is reset to the default setting. The print energy level is also reset by rebooting the system.

Printhead Pressure

Sets the amount of pressure from the printhead to prevent the ribbon from wrinkling. Tap the plus or minus buttons to increase or decrease the pressure.

Print Position

Tap the arrows to move the print in the label image left, right, up, or down.

The measurements shown in the upper right indicate how much the beginning print position will shift relative to the factory setting; it does not represent the distance from the left edge of the label. Units are in inches or millimeters depending on what units are set in Units of Measure on page 33.

To reset to the factory setting (0, 0), tap reset default icon in the upper right.

Cut Automatically

Specify whether the printer should at the end of the job, cut after a defined number of label rows, combined perf-cut and full-cut, or never. To set other options see Auto Cutter on page 57.

Note: Cutting options set in Brady Workstation or a ZPL script override this setting.

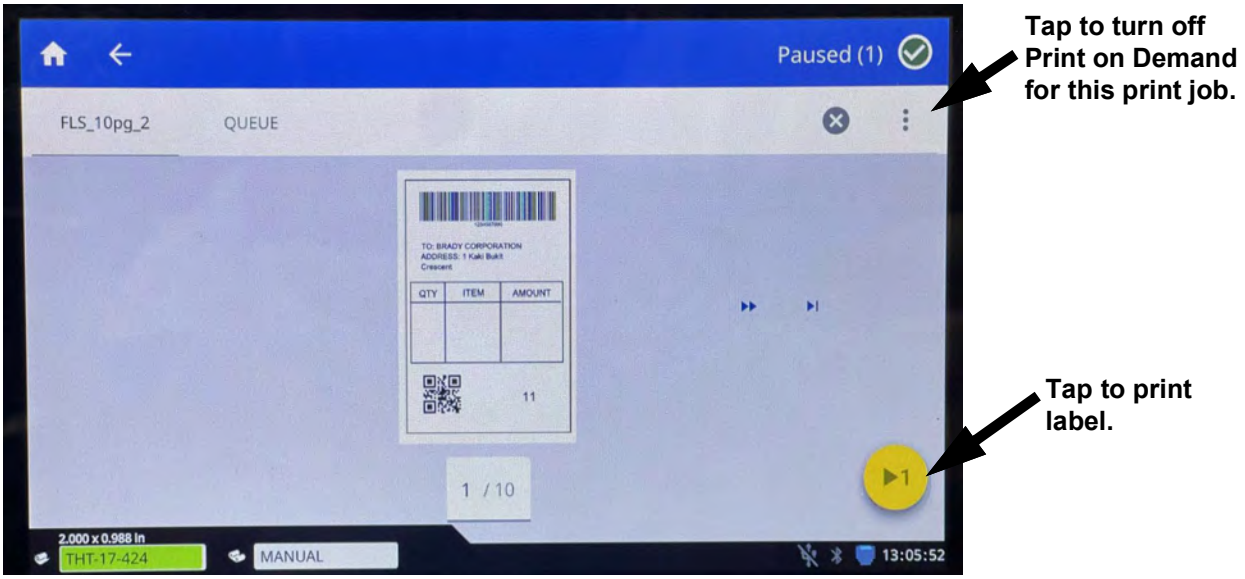
Print on Demand

Print on demand causes the printer to wait for input on the touchscreen before printing the next label in the file. When disabled, all labels in a file are printed without waiting in between.

To enable print on demand:

1. From the home screen, tap **Settings**.
2. Tap **Print Adjustments**.
3. To the right of **Print on Demand**, tap the switch to change the setting.
   If the switch is gray, it is off. If the switch is blue, it is on.

When Print on Demand is enabled, tapping the yellow start button prints just one label rather than all the labels.



To override Print on Demand and print all remaining labels:

1. Tap the yellow circle to pause printing.
2. Tap the three dots in the upper right.

IMPORTANT! Turn off Print on Demand for this print job.

Printer Mode

Printer modes are specific to the accessories installed on the printer. When printer mode is opened, the current mode will be displayed along with any settings that can be changed. Tap Current Operating Mode then tap the mode needed.

Tear-Off

Accessible on all available configurations. In tear-off mode, labels or continuous media are printed. After printing, the label strip can be separated by hand. The label printer must be equipped with a tear-off plate for this feature. See the section on Accessories on page 37 for correct tear plate usage.

Change the tear offset:

1. Use the touchscreen, to go to **Settings > Print Adjustments > Printer Mode.**
2. Tap **Current Operating Mode** and then **Tear-Off**.
3. Tap the **back icon** to return to the Print Mode screen.
4. Tap **Tear-Off Offset** and use the arrows to change the offset.

   Use the Reset to Default icon in the upper right to return to factory default offset setting.
5. Tap the **back icon** to return to the Print Mode screen.
6. Tap **Tear Plate Type** and choose either the standard tear plate or the serrated tear plate (optional accessory).

Auto Cutter

Available on the Standard Configuration printer when the cutter accessory is installed. Automatically cuts labels at the end of a job or at user set intervals. Recommended for sleeve printing and required for double-sided sleeve printing.

Setting when to cut (end of job, end of label, after a specific quantity of rows, etc.) here will also change it under Cut Automatically on page 55. Cut Offset can change the cut position relative to the rear label edge.

IMPORTANT! It is necessary to install the Auto Cutter or Perforation Cutter in order to use this mode. See Auto Cutter on page 83 or Perforation Cutter on page 84.

Before printing, set the printer to Auto Cut mode and select other cut options:

1. Use the touchscreen, to go to **Settings > Print Adjustments > Print Mode.**
2. Set the Cut Offset and Cut Automatically options when using the Auto Cutter.
3. Set the Cutting Depth for the Perforation Cutter using the slider bar.

   Thinner label material will require a shallow cut, whereas thicker liners will need a deeper cut.

Peel Mode (for Peel Configuration printer only)

In peel mode, approved auto-present materials are automatically peeled off the liner after printing and presented for removal. Tapping the touchscreen will then print and present the next label in the job. An optional accessory, called the Label Taken Sensor, can be installed to determine when a label is removed and will then automatically trigger the next label to peel and present.

Test any material for peel printing to the intended application. Print and peel performance on any label is dependent on multiple factors including, but not limited to, auto-present characteristics of the material, label size, peel offset distance, and print speed. Peel operation is limited to 1-across labels and peeling of multi-across labels is not recommended or supported.

Mode Configuration:

Auto Next - After removing the label, the next label will automatically print and present. The Label Taken sensor must be installed on the printer for this feature to work.

Manual Next - After removing a label, print the next label by tapping the print icon on the touchscreen.The Label Taken sensor does not need to be installed for this configuration.

Regardless of configuration, other options to set include:

Peel-Off Position - Sets the peel-off distance position by shifting the position of the dispensed label relative to the peel bar plate dispensing edge. Set the value by entering it in the box or use the up and down arrows to increase or decrease the value. Increasing the value results in more label length peeled off when presented.

Backfeed Delay - Sets the delayed time (in milliseconds) between removing the label from the peel position and the backfeed. Increase or decrease the delay by moving the slider on the bar or by using the plus and minus icons.

To set up for peel mode:

1. Refer to Loading the Ribbon and Labels (Peel Configuration Printer) on page 25.

2. To adjust peel settings, on the touchscreen, go to **Settings > Print Adjustments > Print Mode**.
3. Tap **Current Operating Mode** then **Peel Mode**.
4. Tap the **back** icon to return to the Print Mode screen.
5. Set the Mode Configuration, Peel-Off Position and Backfeed Delay.

Internal Rewind (Peel Configuration printer only)

In rewind mode, the labels wind up internally after printing for later use. The outside diameter of the internally-rewound roll is 5.6" O.D.

IMPORTANT! On a Peel Configuration printer, the curved rewind guide and 1.5" take-up spindle core must be installed for this function to work.

To set the printer to internal rewind mode:

Refer to Loading the Ribbon and Labels (Peel Configuration Printer) on page 25).

Label Sensor Position

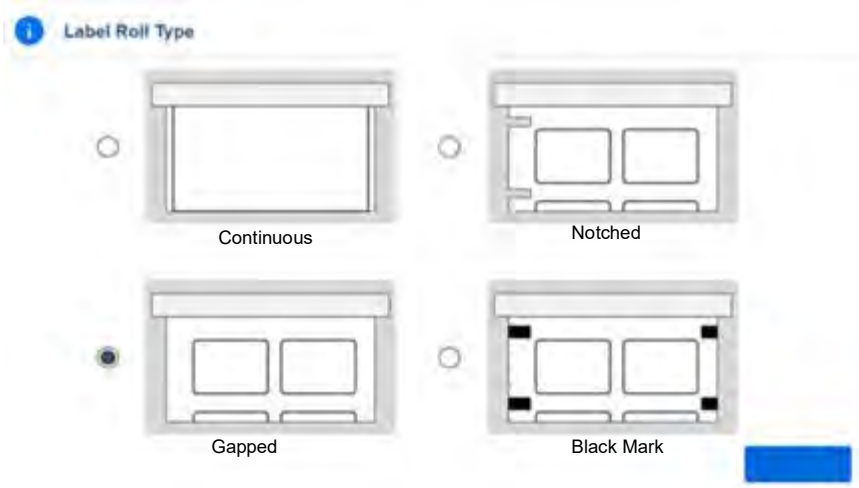
When using i75-series smart rolls (page 18), the printer will detect the type of roll that is installed when the printhead is closed and will automatically move the sensor to the correct position for the installed roll - with no action required from the user.

When using non-i75-series (manual) rolls (page 18), adjust the sensor by visually aligning the optical sensor in the correct location per the on-screen sensor light illustration. Move the optical sensor using the slider and arrow buttons on the screen. Press, hold and slide the yellow slider to make large movements, or tap the arrows for minor movements.

Label Roll Type

When using i75-series smart rolls (page 18), the printer will detect the type of roll that is installed when the print head is closed and will automatically set the “mode” of the sensor to the correct roll type - with no action required from the user.

When using non-i75-series (manual) rolls (page 18), when the printhead is opened and a manual roll is mounted onto the media roll hanger, the printer will automatically prompt to select roll type, then to position the sensor light. Choose the correct roll type per the on-screen illustration (shown below).



Thermal Printing Method

When in Smart Supplies Operation on page 18, the printer will detect if the installed roll is a Thermal Transfer material or a Direct Thermal material when the printhead is closed and will automatically set the correct printing method. Also, if a direct thermal roll is detected then a prompt will appear to ensure any installed ribbon roll is removed.

When in Manual Supplies Operation on page 18 the printing method must be manually set.

Backfeed Mode

This option is only available when the perforation cutter is installed on the printer. When it is not installed, this feature will not be shown on the printer. Enabling this option will allow printing with forward and backfeed motion during both printing and cutting.

It is recommended that backfeed be disabled if using labels with a height less than 0.41" (10.42 mm).

Reset to Brady Defaults

Reset all print adjustments back to factory default.

About Screen

View system information:

- Firmware driver version
- Label library version
  - 300 dpi Label Library File
  - 600 dpi Label Library File
- MAC Ethernet: ---
- MAC Wi-Fi: ---
- MAC Bluetooth: ---
- Amount remaining of internal memory
- Amount remaining on external storage
- Serial number of the printer
- Details button displays license information
- And other system information not shown in this manual

To view system information:

1. From the home screen, tap **Settings**.
2. Tap **About**.
3. Tap the back button to go back to the previous screen or go to Home.

To update the Firmware see page 86.

To update the Label Library see page 88.

Help Screen

Pressing the Help icon on the home screen will provide pictorial instruction for common functions, which include but are not limited to the following:

- Loading smart ribbons and labels
- Loading manual ribbon
- Loading manual label
  - Non-peel
  - Peel and present
  - Internal rewind
- Setting the sensor for manual materials
- Cleaning the printer
- Replacing the printhead
- Replacing the roller
- Installing the cutter
- Changing out the tear plate
- Recommendations for ribbon/roller/media size
- Support information
- Printer update information

4 Using Scripts

The i7500 Label Printer supports ZPL scripting.

Some basic ZPL commands can be changed directly on the printer.

To change ZPL settings:

1. From the home screen, tap **Settings**.
2. Tap **ZPL**.
3. Tap the setting(s) to be changed.

Programming is beyond the scope of this manual.

- A ZPL specific manual that includes a list of commands that the printer supports can be found at www.BradyID.com/support/printer/i7500.

Smart Continuous Labels

When smart continuous labels are installed in the i7500 Printer, the ZPL script must include the [^LL] command for optimal printing. Sample script shown below.

```
^XA
^DFR:withLL2.ZPL^FS
^LL609,25
^AD,36,20^FN1^FS
^FO165,25
^AD,36,20^FN2^FS
^FO25,75
^AB,22,14^FDCont with LL 2in^FS
^FO25,125
^AE,28,15^FN1
^XZ
```

Graphics & Fonts

If your script files use graphics or text that are not already on the printer, you will need to import them before running the script.

Minimum Font Sizes: The i7500 Label Printer supports the following minimum font sizes in scripts. If using ZPL, be aware that font sizes are not set explicitly, but rather with the bounding width and height.

- 5 pt minimum font size for 300 dpi printers
- 4 pt minimum font size for 600 dpi printers

IMPORTANT! It is recommended that ZPL scripts be written in the dpi supported by your printer.

Import

To import graphics and fonts from a computer to the printer, first transfer the files to a USB drive. Then follow these steps:

1. Connect the USB drive to any available USB port on the printer.
2. On the home screen, tap **Files**.
3. If the screen says *INTERNAL MEMORY* in the upper left, tap **INTERNAL MEMORY** and then tap **External Storage**.
4. Tap the more menu button.
5. Tap **Filter** and then tap **Images** or **Fonts**.
6. In the list of files, tap on each file that you want to import.
7. Tap the import icon.

   A progress bar will display while the import is taking place.

IMPORTANT! Do not remove the USB drive until all graphics are imported.

Note: The printer displays a low memory message if it runs out of space.

Delete

To delete graphics and fonts imported to the printer, follow these steps:

1. On the home screen tap **Files**.
2. If the screen says *EXTERNAL STORAGE* in the upper left, tap **EXTERNAL STORAGE** and then tap **Internal Memory**.
3. Tap the **more menu** button.
4. Tap **Filter** and then tap **Images** or **Fonts**.
5. In the list of files, tap on each file that you want to delete.
6. Tap the **more menu** button, and then tap **Delete**.

5 Maintenance

Click on a link below to be taken right to the section of interest.

Cleaning the Printer

Dust and Debris

Whenever performing any maintenance on the printer, you should also clean dust and label debris from within the printer.

Materials Required:

- Compressed Air Bottle, purchased locally (e.g., HOSA AIR-464 Gear Duster)
- Safety Glasses

CAUTION! Always wear safety glasses when using compressed air.

- Lint-free Cloth
- Isopropyl Alcohol
- Pre-moistened cleaning swabs (PCK-6). We recommend using these swabs because they are lint free and the isopropyl alcohol contains no additives. You can use your own swabs and isopropyl alcohol.

To clean debris from within the printer:

1. Remove power and supplies from the printer.
2. With safety glasses on, spray compressed air on all visible areas inside the printer to remove accumulated dust and debris.
3. Use a cloth moistened with isopropyl alcohol to wipe any remaining dust and debris from inside the printer.
4. Use pre-moistened cleaning swabs to clean areas that you could not reach with a cloth.
5. Replace the ribbon and labels.
6. Close the cover and plug in the power cord.

Printhead

CAUTION! If the printhead is hot, allow it time to cool before proceeding. Handling a hot printhead could result in burns.

Materials Required

- Pre-moistened cleaning swabs (PCK-6).

CAUTION! Use only the alcohol swabs from part number PCK-6. Using other materials may permanently damage the printhead.

To clean the printhead:

1. Remove power and supplies from the printer.
2. Disengage the printhead locking lever.
3. Gently rub a new pre-moistened foam swab across the green and black area of the printhead. Use as many swabs as necessary to thoroughly clean the surface.

CAUTION! Do not rub the swab over the bronze-colored area of the printhead. This may short the circuit.

4. Replace the ribbon and label roll.
5. Dispose of the swabs.
6. Close the cover and plug in the power cord.

Platen Roller

Clean the platen roller frequently, especially if you see ink or adhesive buildup on the roller. If there is visible damage to the roller or small beads of rubber on the roller, then replace the roller. See Platen Roller on page 77.

Materials Required for Cleaning the Roller

- Pre-moistened cleaning swabs (PCK-6).

CAUTION! Use only the alcohol swabs from part number PCK-6. Using other materials may permanently damage the printhead.

To clean the platen roller:

1. Remove power and supplies from the printer.
2. Disengage the printhead locking lever.
3. Open a new pre-moistened foam swab and use it to clean the rubber roller. Use as many swabs as necessary to thoroughly clean the surface.

   Turn the roller to access the entire surface. Push the top of the roller firmly toward the back of the printer, which will offer some resistance.

4. Replace the ribbon and label roll after the alcohol evaporates.
5. Dispose of the swabs.
6. Close the cover and plug in the power cord.

Optical Sensor

The optical sensor is located inside the printer and may be covered with dust that results from cutting the labels.

Materials Required

- Pre-moistened cleaning swabs (PCK-6). We recommend using these swabs because they are lint free and the isopropyl alcohol contains no additives. You can use your own swabs and isopropyl alcohol.

To clean the sensor:

1. Remove power and supplies from the printer.
2. Disengage the printhead locking lever.
3. Roll the label guides adjuster to fully open the label guides to access the sensor.
4. With a clean pre-moistened foam swab, gently wipe the surface of the sensor.

5. Replace the ribbon and label roll after the alcohol evaporates.
6. Dispose of the swabs.
7. Close the cover and plug in the power cord.

Cutter Blades

Moving Parts. Keep body away from moving parts.

Sharp Edges. Do not touch.

Note: When cleaning the cutter, you should also clean the Optical Sensor on page 68.

Materials Required

- Pre-moistened cleaning swabs (PCK-6). We recommend using these swabs because they are lint free and the isopropyl alcohol contains no additives. You can use your own foam swabs and isopropyl alcohol.
- Cutter Cleaning Tool (B31-CCT) for scraping off residue

To clean the cutter blade on the heavy duty guillotine auto cutter:

1. Insert the swab up and into the label exit area.
2. Swab all around the area.
3. Unlatch the cutter, push away from the roller and clean adhesive residue from the blade with a flat edge tool.
4. Use a swab dipped in Isopropyl alcohol on the blade.
5. Allow any excess alcohol to evaporate before printing.

Materials Required

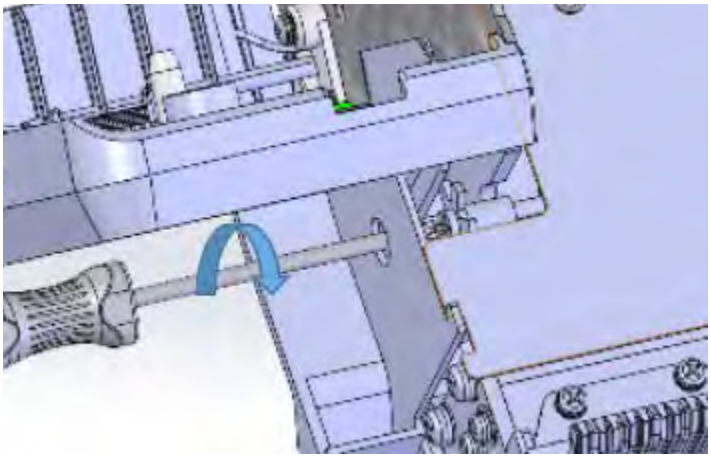
- Cotton swabs soaked with isopropyl alcohol.

To clean the cutter blades on the perforation cutter:

1. Open the printhead.
2. Using a cotton swab soaked with isopropyl alcohol, twist the swab while sliding it along the blade.

3. Open the perforation cutter.

4. Insert a Philips screwdriver in the left side of the perforation cutter (see drawing and picture) to turn the encoder wheel clockwise until the flat edge contacts the stopping pin.



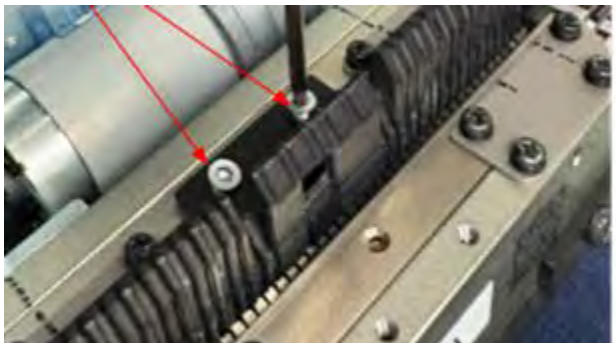
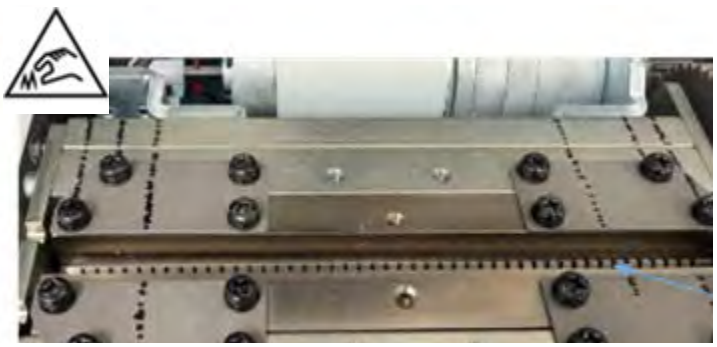
Encoder Wheel

5. Close the perforation cutter, but keep the printhead open and clean the blade with a cotton swab soaked in isopropyl alcohol like step 2.

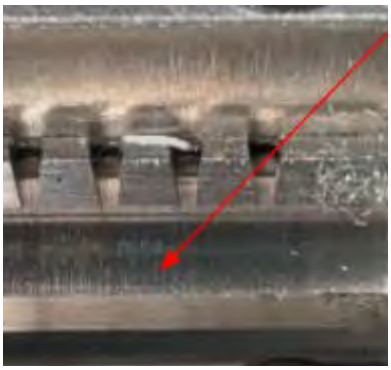
6. Open the cuter and loosen, but do not remove, the screws on the top platform until the aligned with the top platform edge.


7. Using a cotton swab soaked in isopropyl alcohol, clean from the bottom to the top twisting the swab as you move upwards.

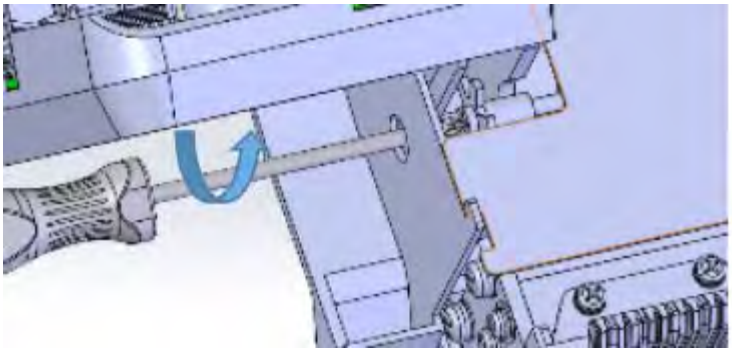
8. Remove the screws, lift out the bottom platform to fully expose the blade.

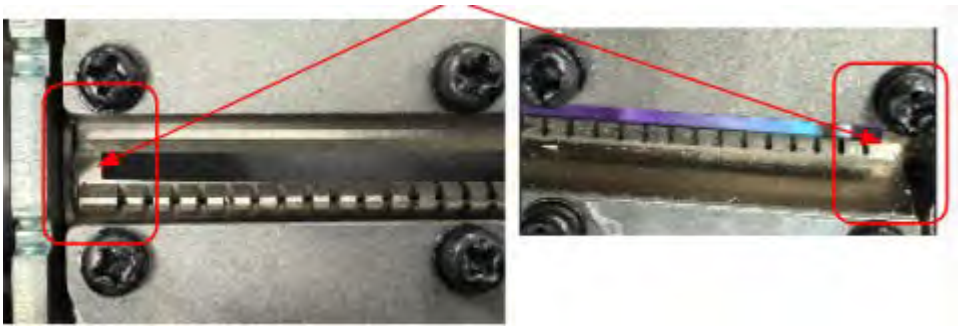
9. Close the cutter and clean the surface of the blade.



10. Insert the screwdriver into the hole on the left and turn counterclockwise until the flat edge contacts the stopping pin.



11. Clean the blade, but do not remove the grease at the ends.



12. Use the screwdriver to turn the encoder wheel clockwise until the wheel is centered.
13. Replace the bottom platform and the two screws that hold it into place.
14. Tighten the two screws on the top platform.
15. Close the perforation cutter.
16. Close the printhead.

    If a jam error message appears, open and close the printhead a second time.
17. Tap the cut icon on the touchscreen.

Touchscreen

Materials Required

- Lint-free cloth, non-abrasive
- Isopropyl alcohol or a pre-moistened cloth (appropriate for cleaning LCD displays)

CAUTION! Normal cleaners with ammonia, soaps, or any acids can damage the screen. Use only a lint-free cloth dampened with isopropyl alcohol.

To clean the touchscreen:

1. Lightly moisten a lint-free cloth with isopropyl alcohol, or use a pre-moistened cloth suitable for cleaning a computer screen.
2. Gently rub the damp cloth across the screen until all of the residue is removed.
3. Allow touchscreen to dry completely before resuming use.

Installing or Replacing Parts

In some instances a tool will be needed to remove screws or other hardware. A T-20 wrench is housed in the frame, inside the printer. Open the cover, located the wrench in the base of the frame, turn the wrench clockwise 90° and pull out. When housing the T-20 wrench, insert, turn counter-clockwise 90° to seat flush into the frame.

Printhead - Standard & Peel Configurations

CAUTION! Take the following precautions to avoid damaging the printhead with electrical discharge or mechanical influences.

- Set the printer on a grounded surface. Turn off the power and unplug the printer.
- Ground yourself (with an anti-static wrist strap, for example).
- Do not touch the heating element with hands or hard objects. (The heating element is the dark brown strip called out in the image below.)

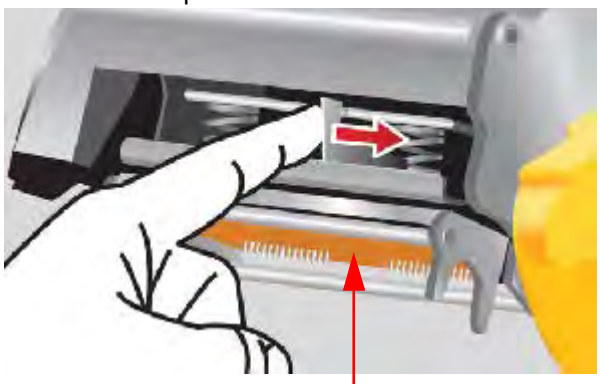
Replace the printhead if you consistently see the same unprinted spots on labels which are not eliminated after cleaning the printhead or if you wish to change the dpi. Both 300 and 600 dpi printheads are available.

It is recommended to have Brady Technical Repair replace the printhead where additional optimization of head alignment can be performed, but printheads can also be replaced by the user.

IMPORTANT Printer firmware version 2.0 or higher is required if changing to a 600 dpi printhead.

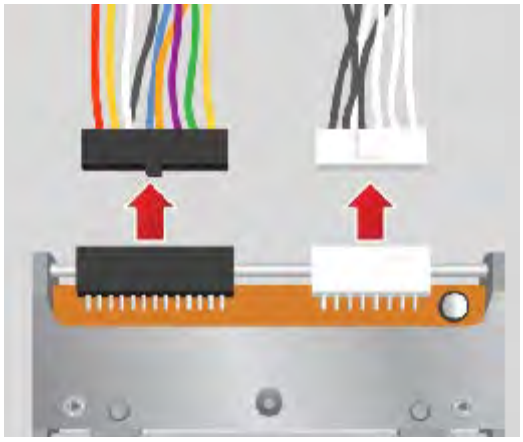
To replace the printhead:

1. Remove power and supplies from the printer.
2. Disengage the printhead locking lever to lift the printhead.
3. Move the lever above the printhead to release.

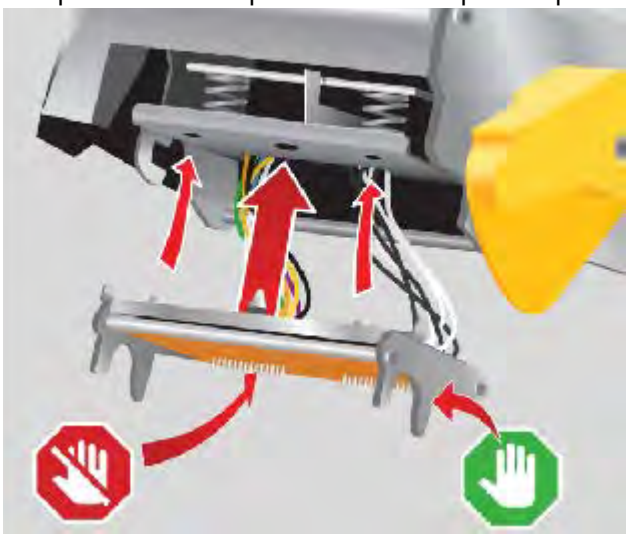


4. Carefully disconnect the two wireharness connectors attaching the printhead by grasping the wire connector.

CAUTION! To avoid damage, do not pull on the cable wires or bend the metal prongs connecting the head to the connector ports.



5. Insert the cable connectors to the new printhead, taking care to only handle it by holding the metal side brackets.
6. Insert the new printhead in the printer until it “snaps” into place.



7. Replace the ribbon and label roll.
8. Close the printhead locking lever.
9. Close the cover and plug in the power cord.

Platen Roller

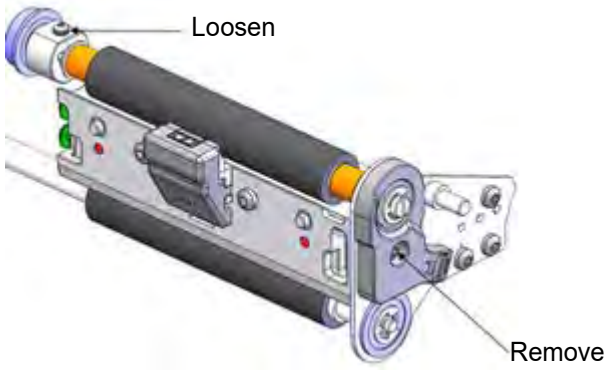
The black rubber platen roller is a wearable part and must be cleaned frequently and replaced immediately if worn. When the platen roller is worn you may notice poor print quality, the roller may begin to have a rough surface with small rubber beads on the roller, or you may notice other visible signs of damage.

Required Tools

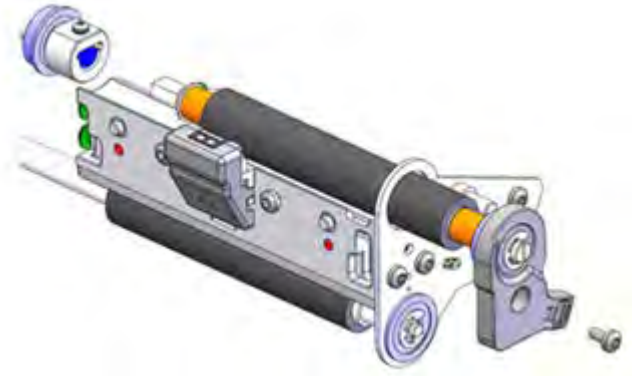
- T20 wrench
- Needlenose pliers

To replace the platen roller:

1. Remove power and supplies from the printer.
2. Disengage the printhead locking lever to lift the printhead.
3. Use the included T-20 wrench to loosen the top screw and remove the screw holding the bracket.



4. Slide the platen roller out.



5. Slide the new platen roller in place, tighten the top screw and replace the screw in the bracket.
6. Replace the ribbon and label roll.
7. Close the printhead locking lever.
8. Close the cover and plug in the power cord.

Lower Pinch Assist Roller (Peel Configuration only)

The lower black rubber roller on the Peel Configuration printer is not user replaceable. If roller is damaged, contact Technical Support.

Tear Plates

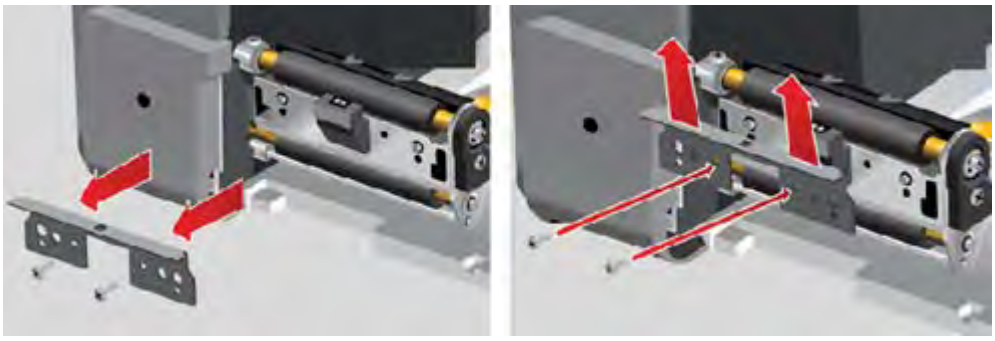
When the labels are no longer being cleanly torn from the roll, it is time to replace the tear plate. The standard model serrated tear plate must also be removed when installing the auto cutter accessory.

Required Tools

- T20 wrench

To replace the standard model serrated tear plate:

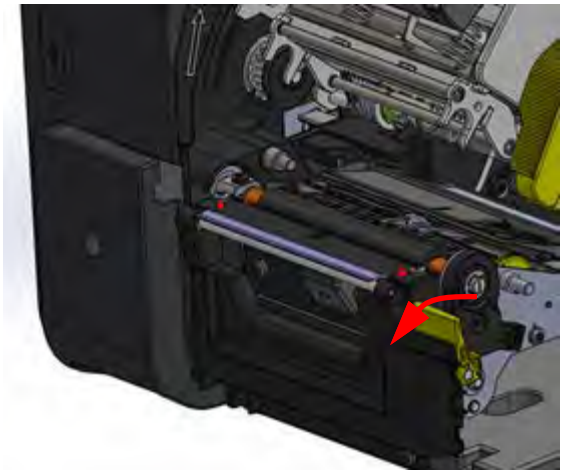
1. Disengage the printhead locking lever to lift the printhead.
2. Remove the (2) screws holding the tear plate and remove or replace the plate.



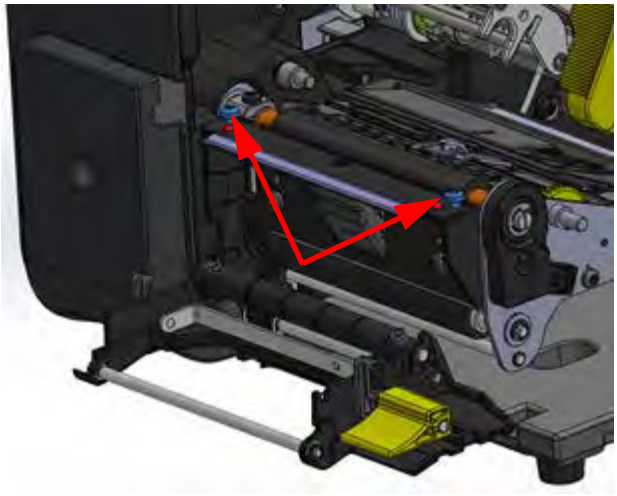
3. Close the printhead locking lever.
4. Close the cover and plug in the power cord.

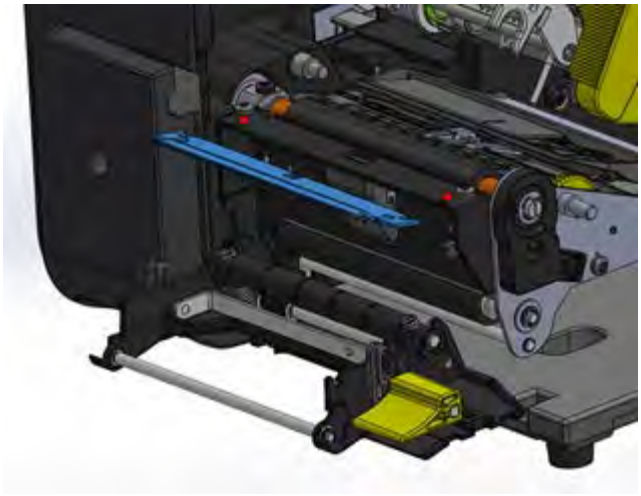
To install or replace the peel model serrated tear plate:

1. Disengage the printhead locking lever to lift the printhead.
2. Open the peel door.

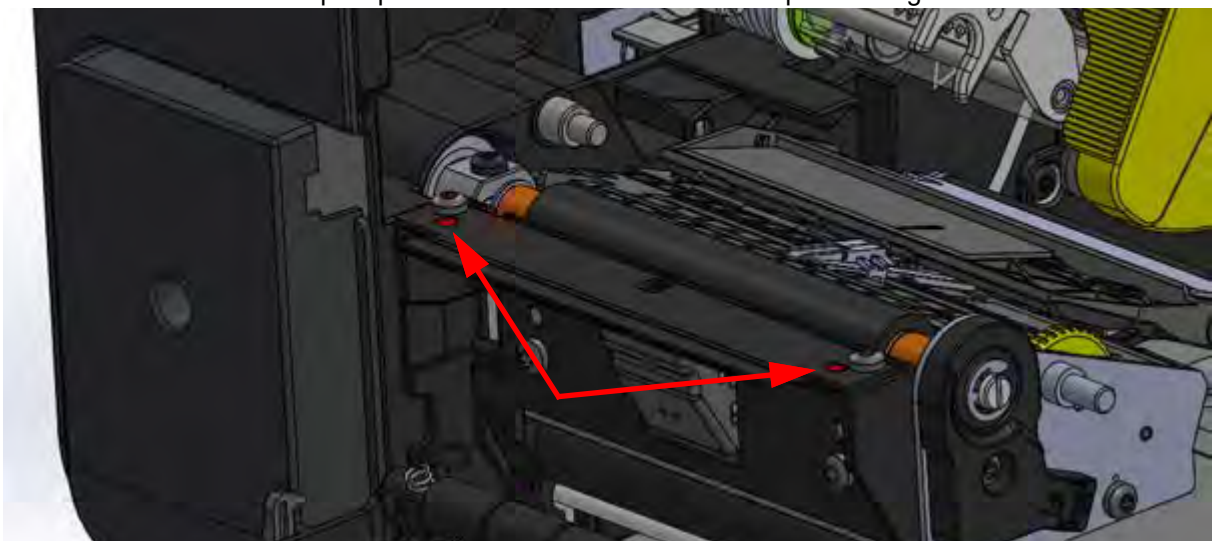


3. Loosen, but do not remove, the two screws then lift up and slide out the peel plate.





4. Insert the peel plate so that it rests on the locator pins and tighten the screws.



5. Close the peel door.
6. Close the printhead locking lever.
7. Close the cover and plug in the power cord.

Smooth Edge Peel Bar Plate (Peel Configuration only)

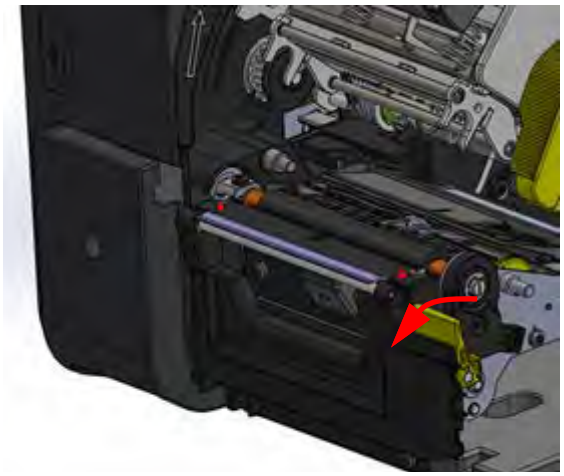
This plate comes installed on the Peel configuration printer and is used to sharply bend back the label liner to induce a partial peel-off in Peel Mode operation (approved auto-present materials required). The plate can also double as a smooth non-serrated tear plate for tearing off thin paper liners (but not recommended for tearing thick liners or thick materials).

Required Tools

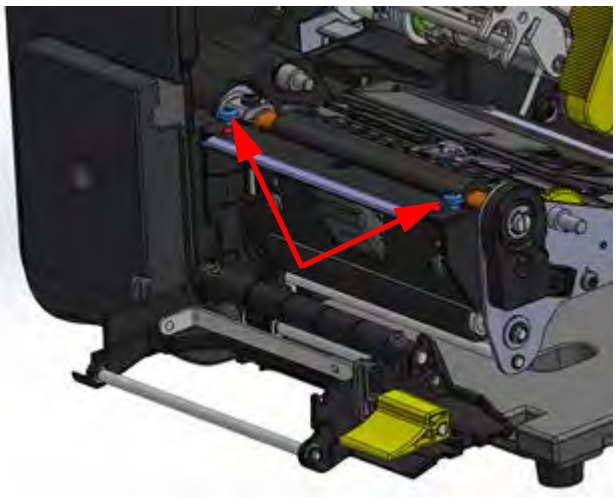
- T20 wrench

To install or replace the smooth edge peel bar plate:

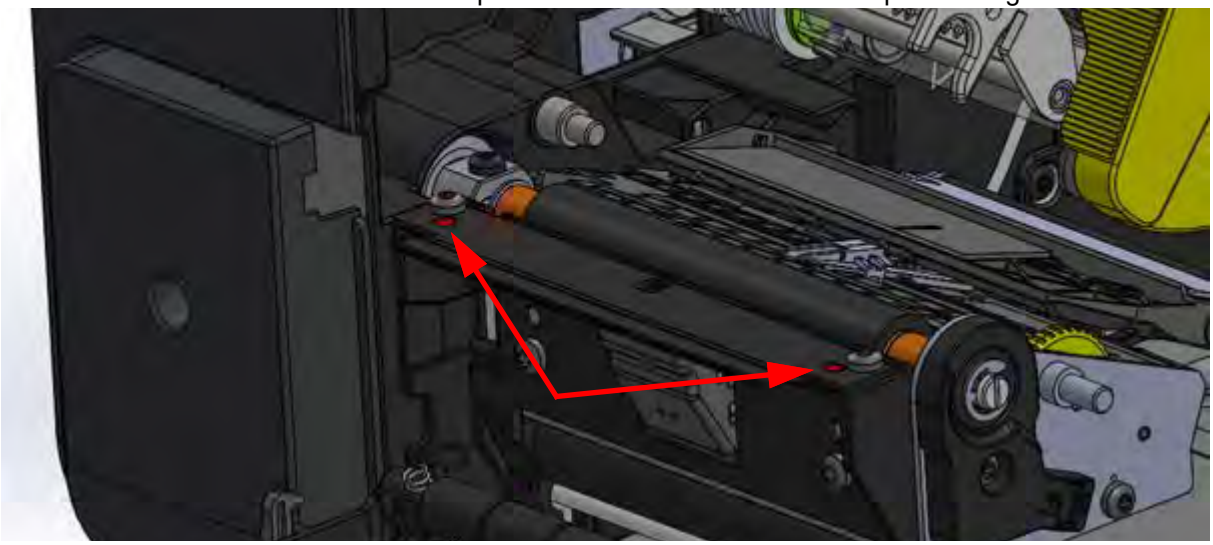
1. Disengage the printhead locking lever to lift the printhead.
2. Open the peel door.



3. Loosen, but do not remove, the two screws then lift up and slide out the serrated tear plate.



4. Insert the serrated tear plate so that it rests on the locator pins and tighten the screws.



5. Close the printhead locking lever.
6. Close the cover and plug in the power cord.

Curved Rewind Guide (Peel Configuration only)

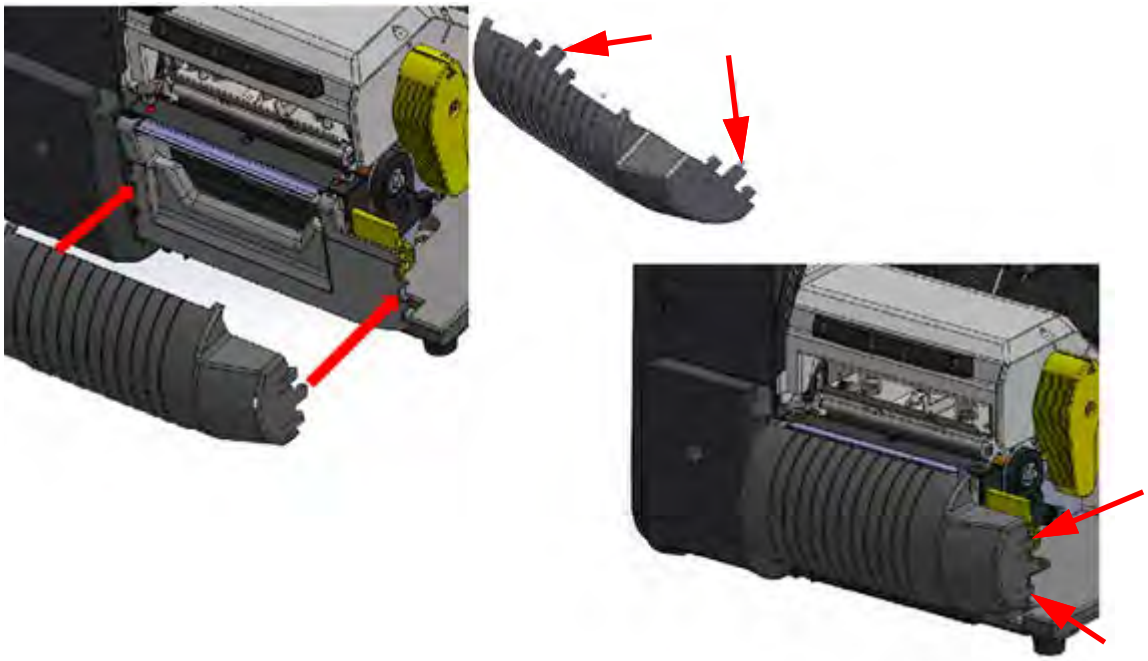
This plastic guide is required when using a Peel Configuration printer for internal label rewind mode operation. The guide curves printed labels back at a gentle angle for attachment to the internal rewind spindle.

Required Tools

None. The guide snap fits to the front of the peel door on the printer.

To install or remove the curved rewind guide:

1. With the Peel Door closed, ensure there is NO label material captured behind the peel door.
2. Orient the curved rewind guide in front of the closed peel door with the narrower tapered end facing outward towards the open side of the printer and the wider end towards the inner wall of the printer.



3. Locate and align the three tabs on each end of the guide to the corresponding recessed areas on the front of the peel door and snap tabs into place.
4. To remove the guide, flex the tabs outward and remove guide.

Auto Cutter

The auto cutter must be installed in order for the auto cut function to work and to have access to on-screen cutter menu options.

Moving Parts. Keep body away from moving parts.

Sharp Edges. Do not touch.

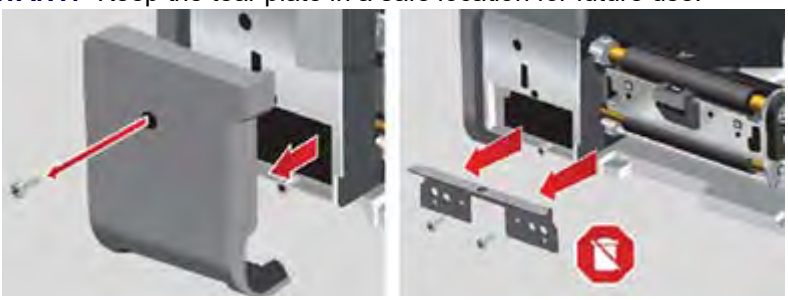
Required Tools

- T20 wrench

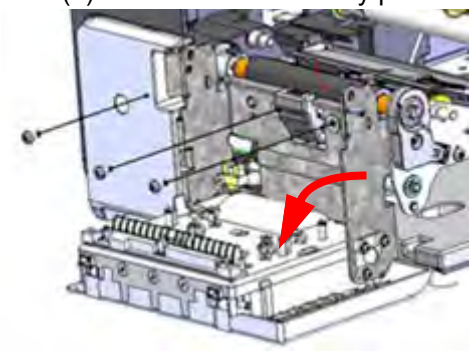
To install the auto cutter:

1. Remove power and supplies from the printer.
2. Disengage the printhead locking lever to lift the printhead.
3. Remove the (1) screw from the accessory port cover and the (2) screws holding the tear plate.

IMPORTANT! Keep the tear plate in a safe location for future use.



4. Lower the front of the auto cutter, using the two yellow release tabs on the top of the cutter, align the holes in the cutter bracket to the holes on the printer and secure with the (2) screws.
5. Insert and secure the (1) screw in the accessory port cover on the left.



6. Close the auto cutter.

7. Install the ribbon and the strip of THT-17-423 labels sent with the auto cutter, then close the printhead locking lever.

Note: If the strip is not available, contact Brady Technical Support to request an 18 inch (45 cm) strip of THT-17-423 label material.

8. Close the cover and plug in the power cord.
9. On the touchscreen, select **Settings > System Configuration > Cutter Distance Calibration** then click the **Next** button, shown on the screen.
10. Click **OK** on the Invalid Labels message that displays on the screen.

Perforation Cutter

The perforation cutter must be installed in order for the perf function to work and to have access to on-screen cutter menu options.

Moving Parts. Keep body away from moving parts.

Sharp Edges. Do not touch.

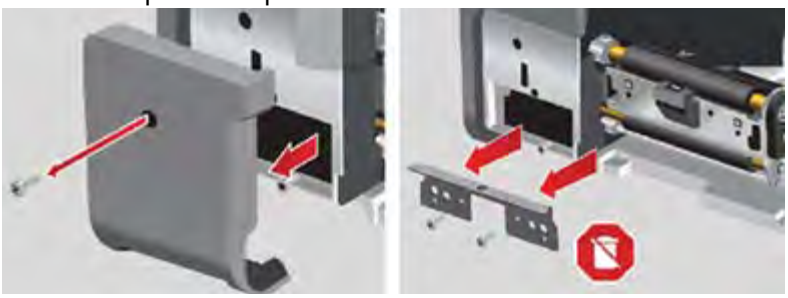
Required Tools

- T20 wrench

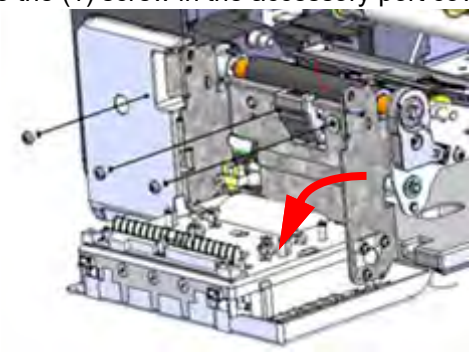
To install the auto cutter:

1. Remove power and supplies from the printer.
2. Disengage the printhead locking lever to lift the printhead.
3. Remove the (1) screw from the accessory port cover and the (2) screws holding the tear plate.

IMPORTANT! Keep the tear plate in a safe location for future use.



4. Lower the front of the perforation cutter, using the two yellow release tabs on the top of the cutter, align the holes in the cutter bracket to the holes on the printer and secure with the (2) screws.
5. Insert and secure the (1) screw in the accessory port cover on the left.



6. Close the perforation cutter.
7. Install the ribbon and the strip of THT-17-423 labels sent with the cutter, then close the printhead locking lever.

Note: If the strip is not available, contact Brady Technical Support to request an 18 inch (45 cm) strip of THT-17-423 label material.

8. Close the cover and plug in the power cord.
9. On the touchscreen, select **Settings > System Configuration > Cutter Distance Calibration** then click the **Next** button, shown on the screen.
10. Click **OK** on the Invalid Labels message that displays on the screen.

Firmware Upgrades

Upgrades to firmware (printer system software) are available online or via connection with Brady Workstation. For information on how to locate the current firmware version on your printer, see About Screen on page 60.

CAUTION! Do not interrupt printer power during an upgrade.

To upgrade firmware using Brady Workstation:

1. Connect the printer with a USB cable to a computer and open Brady Workstation Software.
2. On the Brady Workstation home screen, click the **PRINTER UPDATES** link on the left-side panel and scroll to the connected printer.

   Brady Workstation will automatically detect and display the current firmware on the connected printer and will display a MORE ACTIONS button.
3. Click on **MORE ACTIONS** to see options for updating firmware for the connected printer.

   If upgrades are available a yellow arrow icon will be displayed.
4. Follow prompts in Brady Workstation to update the firmware for the printer.
5. When the update is complete restart the printer.

To upgrade firmware using a USB drive:

1. On a computer, go to the technical support website for your region. See Technical Support and Registration on page iv.
2. Find firmware updates.
3. Find the most recent i7500 Label Printer firmware upgrade.
4. Download the firmware.
5. Save the downloaded file to the root of an **empty** USB drive. Do NOT save downloaded files into a separate folder.
6. Connect the USB drive to the USB port on the printer.

   If the printer's current firmware is not the latest revision, the printer recognizes the upgrade file on the USB drive and displays a message on the touchscreen.
7. Follow the instructions on the touchscreen. When the upgrade is complete, the printer restarts.

To upgrade firmware through the Embedded Web Service:

Note: Version 2.0 or higher firmware is required to use the Embedded Web Service (EWS).

1. In a browser open the EWS using the printer's IP address.
2. Navigate to **Firmware**.
3. Click **Update Now** if the version number that is available is higher than version number for the current firmware.

   The firmware only for that specific printer will be updated.

Note: Upgrades via Bluetooth are not supported.

IMPORTANT! If power to the printer is interrupted during an upgrade through the EWS, the upgrade may not start or complete successfully. To recover, use a USB drive to finish the upgrade.

Label Library Upgrades

The printer's Label Library files are included in a database of information that enables the printer to work optimally with i75-series supplies.

Update Label Library files periodically to make sure the printer has data for any new label supplies. This is especially important if you are using a custom label supply from Brady that has an **i75-smart tag**.

To upgrade the label library using Brady Workstation:

1. Connect the printer with a USB cable to a computer and open Brady Workstation Software.
2. On the Brady Workstation home screen, click the **PRINTER UPDATES** link on the left-side panel and scroll to the connected printer.

   Brady Workstation will automatically detect and display the current label library file on the connected printer and will display a MORE ACTIONS button.
3. Click on **MORE ACTIONS** to see options for updating the label library file for the connected printer.

   If upgrades are available a yellow arrow icon will be displayed.
4. Follow prompts in Brady Workstation to update the printer.
5. When the update is complete restart the printer.

To upgrade the label library files using a USB drive:

1. On a computer, go to the technical support website for your region. See Technical Support and Registration on page iv.
2. Find firmware updates and the most recent Printer Label Library update for the i7500 Label Printer.
3. Download the label library file update.
4. Extract the files from the zip and save the extracted files to the root of an **empty** USB drive. Do NOT save downloaded files into a separate folder.
5. Connect the USB drive to the USB port on the printer and navigate to **Files** > **Menu** and click on **Import Printer Label Library** to launch the upgrade.
6. Follow the instructions on the touchscreen.

IMPORTANT! Do not remove the USB drive until the import is finished.

To upgrade the label library files through the Embedded Web Service:

1. In a browser open the Embedded Web Server (EWS) using the printer's IP address.
2. Navigate to Label Library.
3. Click **Update Now** if the version number that is available is higher than version number for the current label library.

   The label library for that specific printer will be updated.

Note: Upgrades via Bluetooth are not supported.

Recycling the Ribbon Cartridge

Cartridges need to be recycled in accordance with local regulations. Before recycling, the used cartridges must be pulled apart to release the individual components which then must be recycled in the correct recycling bins.

CAUTION! Always wear personal protective equipment (PPE) when dismantling a cartridge.

1

2

3

6 Troubleshooting

Clearing Jams

Moving Parts. Keep body away from moving parts.

Sharp Edges. Do not touch.

To clear a label jam:

1. Open the cover.
2. Disengage the printhead locking lever.
3. Remove the labels, tear off and discard any bent or wrinkled labels.
4. Install the label roll making sure the labels are seated correctly and snug against guides.
5. Check the label path to see if any parts (rollers, guides, cutters, exit chute) need cleaning.

If the label jam message continues to appear, tap **System Configuration**, then **Label Sensor Calibration** and follow the on-screen instructions.

To clear a cutter jam:

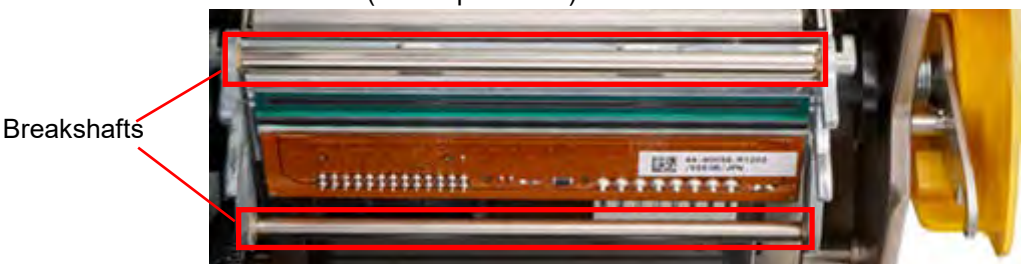
1. Open the cover.
2. Clear the cutter area.
3. Close the cover and tap Cut on the touchscreen to cycle the cutter.

Ribbon Wrinkle

Ribbon wrinkle appears as erratically shaped print voids and black lines intermittently on printed labels. This issue can be resolved by one or a combination of the suggestions listed below.

Check the following first:

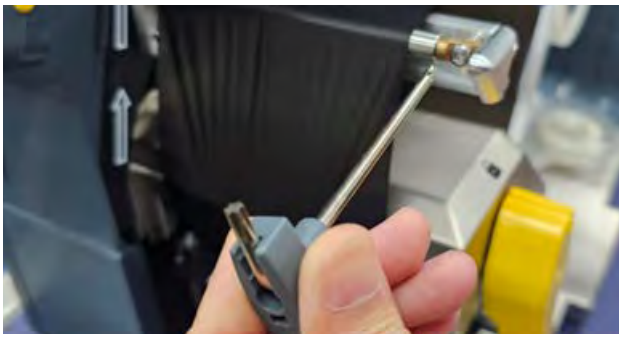
- Label guides are properly positioned against the edge of the label. See Loading the Ribbon and Labels (Standard Configuration Printer) on page 20.
- Ribbon is positioned properly along the ribbon path, under the printhead assembly, up to the ribbon take-up spindle and inserted under the silver ribbon clips. See Loading the Ribbon and Labels (Standard Configuration Printer) on page 20.
- The printhead is clean (no adhesive or dirt). See Cleaning the Printer on page 65.
- The ribbon breakshafts (on the printhead) are clean and free to rotate.



- The platen roller is clean (no adhesive or dirt). See Cleaning the Printer on page 65.

For Horizontal Wrinkles:

- Lower the print energy. See Print Energy on page 54.
- Increase or decrease the print speed. See Print Speed on page 54
- Decrease the printhead pressure. See Printhead Pressure on page 55.
- Adjust adjust the screw on the ribbon anti-wrinkle bar to tilt the shaft inward or outward.



- Use a narrower width ribbon or platen roller; or a combination of the two.

For Vertical Wrinkles:

When using continuous media, adjust the distance between the trailing edge of the previous label and the leading edge of the label that follows.

Print-On-Demand

If Print-On-Demand is turned ON for double-sided printing follow the steps shown below.

1. Enable Print-On-Demand before the start of double-sided printing.
2. Follow the steps for Printing Double-Sided Sleeves on page 47.
3. When Side 1 has finished printing, press Play(1) again to trigger the “Prepare Side 2” pop-up message, to end Side 1 Printing.

IMPORTANT! **Do not open the printhead** before the message pops up, otherwise the flow will be off.

Use the following table to troubleshoot problems. In situations where the printer displays an error message, follow the instructions on the touchscreen.

Problem	Cause	Corrective Action
Printer does not power up when turned on.	Power cord has been pulled out of printer or wall socket.	Check power cord.
Screen freezes	User Interface error	1. Turn off the power switch on the back of the printer. 2. Wait five seconds and then turn the power switch on.
Printer will not feed labels.	• The leading edge of the label roll is not positioned at the center of the platen roller correctly. • The leading edge of the label roll is uneven or torn (not a straight edge).	• Install the labels correctly. See Installing or Changing Supplies on page 18. • Cut a straight leading edge on the label roll.
Printer will not feed labels. (Manual mode only)	• The sensor light is positioned in the wrong location. • The incorrect roll type is selected. • Both situations are true.	• Open the printhead and follow the on-screen prompts to select the roll type and position the sensor.
Test label will not print.	• Wrong label width installed or not installed correctly.	• Install at least 4" wide labels. See Installing or Changing Supplies on page 18.
Faint print on labels.	Ribbon not advancing correctly.	• Tension the ribbon by rotating the rewind spool (the spool closest to printer with the printhead locking lever open) in a downward direction until all slack is removed. • Try another ribbon cartridge.
	Print energy might be too low.	Adjust the print energy setting (see Print Energy on page 54).
No print on the label.	The label or ribbon is not loaded correctly or out of ribbon.	• Reinstall the ribbon cartridge. • Load a new ribbon.
Poor print quality.	Ribbon and labels are incompatible, or using an incorrect label supply and ribbon combination.	• Verify the correct ribbon for the label roll is loaded in the printer. • Verify the ribbon is not wrinkled. See • Change the ribbon or label supply.
	Dust or adhesives accumulated on the printhead.	Clean the printhead (see Printhead on page 66).

Problem	Cause	Corrective Action
Irregular shaped lines or voids appear on printed text.	Ribbon wrinkling.	• Tension the ribbon by rotating the rewind spool (the spool closest to the printer with the printhead locking lever open) in a downward direction until all slack is removed. • Try another ribbon cartridge.
A straight line print void runs the direction of the label feed.	• Debris or buildup on the printhead. • Possible damage to or burnt pixel on the printhead.	Clean the printhead using a swab from PCK-6. If the problem persists after cleaning, contact Brady Technical Repair to check or replace printhead.
Cut quality is poor.	Cutter needs cleaning.	Clean the cutter (see Cutter Blades on page 69).
Supply shifts when printing frames around label causing a slight misalignment of the frame.	Label guides not adjusted correctly, producing slack that allows the labels to shift during printing.	Adjust label guides so they are snug against the labels. To make fine adjustments to the frame, see Print Position on page 55.
The printer continues to display a message about the label supply even though I have performed all the corrections provided in the message.	A dirty or obstructed cutter sensor prevents the printer from detecting the leading edge of the label supply.	Remove any label debris and clean the cutter sensor as well as all the other sensors. See Optical Sensor on page 68.
Error Message: “Out of Labels” received during two sided printing.	The total length of the printout is too short when side 2 is loaded for printing.	When printing two sided labels, the total length of the label strip must meet or exceed 5 inches (127 mm) in order for the end of the strip of labels to cover the label sensor and initiate printing.
The ribbon supply status for amount remaining is not accurate.	When transitioning from Manual Mode [Direct Thermal Printing Method] to Partial Manual Mode [Thermal Transfer Printing Method] the ribbon supply status does not update correctly.	None at this time.
When using Brady Label Design HCM-60x10-7643-WT in manual mode, the x-offset cannot be set beyond 3mm.	When in Manual Mode, the printer is unable to shift the X offset of 4.094 inch (102mm) labels more than 3mm.	Use a label design that is less than 4 inches (102mm).
Some characters, such as the ^ character does not display on the touchscreen.	Use of the European AZERTY keyboard.	For any key that does not immediately appear on screen when entered on the European AZERTY keyboard, press the key plus the spacebar. Pressing the spacebar along with the key will make it appear on the touchscreen.

Problem	Cause	Corrective Action
Error Message: “Failure Loading Label Roll” received when using two sided, black sleeve labels in manual mode.	The leading edge sensor is not detecting the black edge of the label for non-smart cell labels.	Go to **Settings > System Configuration > Leading Edge Detection** and click on Disable. Confirm that the leading edge is straight and in the correct position, before printing.
The peel-off position line is shown below the center on the screen when set to default.	None	No corrective action needed. It is showing the correct position where the label will be at the tear plate for the label to be in the peel-off position.
Error Message: “External USB Not Available.”	None	When the Internal Memory screen is displayed, then the USB drive is inserted into the printer, followed immediately by switching to External Storage, an error message will display. Click OK on the message and proceed. The files on the USB drive will be displayed.
Cannot import .prn file from USB.	USB drive was disconnected while importing a .prn file of 105MB or larger.	Cycle power on the printer. Insert the USB and import again, allowing enough time for the import to complete.
Wi-Fi icon is missing on touchscreen.	Printer was upgraded.	Reboot the printer.
Stored print job in internal memory shows incorrect number.	Labels with multiple rows and columns is installed in printer.	None. The correct number is reflected in the print settings.
Printed image cut off.	Black mark on non-smart cell labels.	Shorten the design to 12.6 inches (32 cm) or less and print again.
The label was blank after printing the Printer Configuration on manual direct thermal labels.	Wrong width or length of labels.	Labels must be 4 inch wide continuous and at least 24 inches in length.
Timestamp did not print the time expected.	Print jobs stored on a USB for later printing will print with the stored time, not the printed time.	None.
Error Message: “Label Object Not Supported”	600 dpi printhead is installed and the object’s length on the label is greater than 3.4 inches.	Reduce the object’s length to less than 3.4 inches and print again. Or use BWS direct printing.

A Regulatory Compliance

Agency Compliance and Approvals

United States

FCC Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at his own expense.

In instances where interference is experienced, the following measures are recommended to assist in mitigation:

- Reorient or reposition the equipment relative to the interference.
- Increase the separation distance between the equipment and the interference.
- Connect equipment to a separate power circuit than the interference if applicable.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including interference that may cause undesired operation.

Estados Unidos

Aviso de la FCC

Este equipo se puso a prueba y se confirmó que cumple con los límites para un dispositivo digital de Clase A, conforme a la Parte 15 de las Regulaciones de la Comisión Federal de Comunicaciones (Federal Communications Commission, FCC). Estos límites se han diseñado para proporcionar protección razonable contra interferencias perjudiciales cuando el equipo se utilice en un entorno comercial. Este equipo genera, utiliza y puede emitir energía de radiofrecuencia y, si no se instala y se utiliza según el manual de instrucciones, puede ocasionar interferencias perjudiciales en las radiocomunicaciones.

El uso de este equipo en un área residencial puede causar interferencias perjudiciales, en cuyo caso el usuario tendrá que corregir dichas interferencias por su cuenta.

En los casos donde se producen interferencias, se recomiendan las siguientes medias para ayudar a mitigarlas:

- Volver a orientar o reposicionar el equipo para evitar la interferencia.
- Aumente la distancia de separación entre el equipo y la interferencia.
- Si es posible, conecte el equipo a un circuito eléctrico distinto al de las interferencias.

Los cambios o las modificaciones que no hayan sido aprobados expresamente por la parte responsable del cumplimiento pueden invalidar la autorización que se le otorga al usuario para utilizar el equipo.

Este dispositivo cumple con la Parte 15 de las Regulaciones de la FCC. El uso está sujeto a las siguientes dos condiciones: (1) es posible que este dispositivo no provoque interferencias perjudiciales y (2) este dispositivo debe aceptar cualquier interferencia recibida, incluso aquella que pueda generar un uso no deseado.

Canada

Innovation, Science and Economic Development (ISED)

Canada ICES-003: Information Technology Equipment (including Digital Apparatus)

Canada NMB-003: Équipement de technologie del’information(incluant les appareils numériques)

CAN ICES-3 (A)/NMB-3(A)

Europe

WARNING! This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Waste Electrical and Electronic Equipment Directive
In accordance with the European WEEE Directive, this device needs to be recycled in accordance with local regulations.

RoHS Directive 2011/65/EU, 2015/863/EU

This product is CE marked and complies with the European Union's Directive 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

EU Directive 2015/863 of 31 March 2015 (RoHS 3) amends Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances.

Batteries Directive 2006/66/EC

This product contains a lithium coin cell battery. The crossed-out wheeled bin shown to the left is used to indicate 'separate collection' for all batteries and accumulators in accordance with European Directive 2006/66/EC. Users of batteries must not dispose of batteries as unsorted municipal waste. This Directive determines the framework for the return and recycling of used batteries and accumulators that are to be collected separately and recycled at end of life. Please dispose of the battery according to your local regulations.

Notice to Recyclers

To remove the lithium coin cell battery:

1. Disassemble printer and locate the lithium coin cell battery located on the main circuit board.
2. Using a small screwdriver, pry the battery from its holder and remove the battery from the board. Dispose of in accordance with local regulations.

China

China RoHS Hazardous Substance Table related to this product is available at www.bradyid.com/i7500compliance.

警告

此为A 级产品。在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对干扰采取切实可行的措施。

仅适用于非热带气候条件下安全使用

仅适用于海拔2000m 以下地区安全使用。

Taiwan

Class A Statement

警告 : 為避免電磁干擾，本產品不應安裝或使用於住宅環境

Taiwan Restricted Substances Containment Status (RoHS Declaration) related to this product is available at www.BradyID.com/i7500compliance.

Importer:

香港商貝迪香港有限公司

臺北市中山區南京東路3段101號4樓

BRADY CORPORATION HONG KONG LIMITED

4th Floor, No. 101, Section 3, Nanjing East Road, Zhongshan District, Taipei City

Turkey

Turkish Ministry of Environment and Forestry

(Directive on the Restriction of the use of certain hazardous substances in electrical and electronic equipment).

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

Wireless Regulatory Information

Regulatory markings, subject to country certification, are applied to host printer signifying wireless approvals have been obtained.

WARNING! Operation of the device without regulatory approval is illegal.

Radio protocol	WLAN IEEE 802.11b/g/n	BLE
RF Operating Frequency	2.412 - 2.462 GHz	2.402 - 2.480 GHz
RF Output Power	< +20dBm EIRP (100mW)	< +20dBm EIRP (100mW)
Antenna Type \ Antenna Gain	PCB trace antenna \ 2.3 dBi	PCB trace antenna \ 2 dBi
Environmental Operation*	50° to 104° F (10° to 40° C)	
Environmental Storage*	-4° to 122° F (-20° to 50° C)	

Note: *Be mindful of the maximum operating and storage temperatures for the printer. See Physical and Environmental Characteristics on page 2.

United States

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including interference that may cause undesired operation.

Co-located statements: In compliance with FCC RF exposure compliance requirements, all antennas and other transmitters that operate simultaneously, including modular transmitters, have been evaluated using the FCC multi-transmitter procedures.

RF exposure guidelines / Important note: This equipment complies with FCC SAR exemption limits set forth for an uncontrolled environment when properly used as instructed.

Mexico

IFT notice: La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Canada

Innovation, Science and Economic Development (ISED)

CAN ICES-3 (A)/NMB-3(A)

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes:

1. l’appareil ne doit pas produire de brouillage;
2. l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

Co-located statements: In compliance with IC RF exposure compliance requirements, all antennas and other transmitters that operate simultaneously, including modular transmitters, have been evaluated using the FCC multi-transmitter procedures.

RF exposure guidelines / Important note: This equipment complies with ISED radiation exposure exemption limits set forth in RSS-102 for an uncontrolled environment when properly used as instructed.

European Union

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Radio Equipment Directive (RED) 2014/53/EU

a. Frequency band(s) in which the radio equipment operates; 2.402GHz to 2.480GHz

b. Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates; <+20dBm EIRP (100mW)

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 - 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

Country Specific Statements

български [Bulgarian] С настоящото Технология Брейди декларира, че това устройство i7500 е в съответствие със съществените изисквания и други приложими разпоредби на Директиви 2014/53/EU

Hrvatski [Croatian] Tehnologija Brady ovim putem izjavljuje da je ovaj uređaj i7500 sukladan osnovnim zahtjevima i ostalim bitnim odredbama Direktiva 2014/53/EU

Česky [Czech] Technologie Brady tímto prohlašuje, že tento i7500 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/53/EU.

Dansk [Danish] Undertegnede Brady teknologi erklærer herved, at følgende udstyr i7500 overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU.

Deutsch [German] Hiermit erklärt Brady-Technologie, dass sich das Gerät i7500 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU befindet.

Eesti [Estonian] Käesolevaga kinnitab Brady tehnoloogia seadme i7500 vastavust direktiivi 2014/53/EU põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

English Hereby, Brady Technology, declares that this i7500 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Español [Spanish] Por medio de la presente Tecnología Brady declara que el i7500 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/EU.

Ελληνική [Greek] ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Τεχνολογία Brady ΔΗΛΩΝΕΙ ΟΤΙ i7500 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU.

Français [French] Par la présente Technologie Brady déclare que l'appareil i7500 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU.

Íslenska [Icelandic] Hér, Brady tækni, því yfir að þetta i7500 tæki er í samræmi við grunnkröfur og önnur viðeigandi ákvæði tilskipana 2014/53/ EU

Italiano [Italian] Con la presente Tecnologia Brady dichiara che questo i7500 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU.

Latviešu valoda [Latvian] Aršo Brady tehnoloģija deklarē, ka i7500 atbilstDirektīvas 2014/53/EU būtiskajāmprasībām un citiemar to saistītajiemnoteikumiem.

Lietuvių kalba [Lithuanian] Šiuo Brady technologija deklaruoja, kad šis i7500 atitinka esminius reikalavimus ir kitas 2014/53/EU Direktyvos nuostatas.

Nederlands [Dutch] Hierbij verklaart Brady-technologie dat het toestel i7500 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU.

Malti [Maltese] Hawnhekk, Teknoloġija Brady, jiddikjara li dan i7500 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 2014/53/EU.

Magyar [Hungarian] Alulírott, Brady technológia nyilatkozom, hogy a i7500 megfelel a vonatkozó alapvetõ követelményeknek és az 2014/53/EU irányelv egyéb elõírásainak.

Norsk [Norwegian] Herved Brady-teknologi, erklærer at denne i7500 enheten, er i samsvar med de grunnleggende kravene og andre relevante bestemmelser i direktivene 2014/53/EU

Polski [Polish] Niniejszym Technologia Brady'ego oświadcza, że i7500 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/53/EU.

Português [Portuguese] Tecnologia Brady declara que este i7500 está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/EU.

Română [Romanian] Prin prezenta, Tehnologia Brady declară că acest dispozitiv i7500 este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivelor 2014/53/EU

Slovenščina [Slovenian] Tehnologija Brady izjavlja, da je ta i7500 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 2014/53/EU.

Slovenčina [Slovak] Technológia Brady týmtovyhlasuje, že i7500 spĺňazákladnépožiadavky a všetkypríslušnéustanovenia Smernice 2014/53/EU.

Suomi [Finnish] Brady tekniikka vakuuttaa täten että i7500 tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Svenska [Swedish] Härmed intygar Brady-teknik att denna i7500 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU

Japan

MIC \ TELEC: 005-102490

MIC \ TELEC: 201-220017

当該機器には電波法に基づく、技術基準適合証明等を受けた特定無線設備を装着し ている。

International

The Wi-Fi radio module used in Brady host printers comply with internationally recognized standards covering human exposure to electromagnetic fields, i.e. EN 62311 "Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)".

Nigeria

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission.

South Africa

TA-2024/3542

Indonesia

112649 / DJID / 2025
4459

Brazil

03480-25-11636