



BradyPrinter M611

MOBILE LABEL PRINTER

User's Manual

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Our products are sold with the understanding that the buyer will test them in actual use and determine for him or herself their adaptability to his/her intended uses. Brady warrants to the buyer that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyer.

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Safety and Environment

Please read and understand this manual before using the BradyPrinter™ M611 printer for the first time. This manual describes all of the main functions of the BradyPrinter™ M611 printer.

Precautions

Before using the BradyPrinter™ M611 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.

Technical Support and Registration



For more information in North America, see www.BradyID.com/M611owner.

Contact Information

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

- **Americas:** www.bradyid.com/techsupport
- **Europe:** www.bradyeurope.com/services
- **Asia Pacific:** www.brady.co.uk/landing-pages/global-landing-page
- **Australia:** www.bradyid.com.au/en-au/supportlanding
- **Canada:** www.bradycanada.ca
- **Latin America:** www.bradylatinamerica.com

Registration Information

To register your printer go to: www.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.

Document Conventions

When using this document, it is important that you understand the conventions used throughout the manual.

- All user actions are indicated by **Bold** text.
- References to menus, dialog boxes, button and screens are indicated by *Italicized* text.

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1 Introduction

The BradyPrinter™ M611 printer is a durable, portable, wireless printer capable of printing on a variety of both die-cut and continuous supplies. It includes the following features:

- Rugged and durable — withstands a 4 ft. (1.2 m) drop.
- Quickly and easily create labels using either Brady Express Labels mobile app or Brady Workstation desktop software.
- Bluetooth® and Wi-Fi® enabled for easy wireless connectivity.
- Wired connectivity with USB 2.0.
- USB 2.0 port for reserve phone charging.
- Built-in cutter automatically controlled by settings in the labeling software.
- Rechargeable internal lithium ion battery for all day use.
- Ability to use the printer while the internal battery is charging.
- Screen displays printer status, ribbon and label gauges, and battery charge indicator.
- Easy to use interface.
- Smart-cell technology that works intelligently with Brady consumables.

System Specifications

The BradyPrinter™ M611 printer has the following specifications:

- Weight 3.52 lbs (1.6 kg) (with label supply and ribbon).
- 3.5" (88.9 mm) color QVGA touch screen, 320 x 240 pixels.
- Thermal transfer print mechanism, 300 dpi.
- Print width: 1.92" (48.76 mm) maximum.
- Print length for labels: 40" (1016 mm) maximum.
- Liner width: 2.25" (57 mm) maximum.
- Label widths from 0.235" (6.4 mm) through 2.00" (50.8 mm).
- Minimum label height: 0.236" (5.99 mm).
- Prints up to 1000 1" x 2" labels per battery charge.
- Print speed: 1.33 in/sec (33.8 mm/sec)
- Internal lithium ion battery, 3200 mAh

Physical and Environmental Characteristics

The BradyPrinter™ M611 printer has the following physical and environmental characteristics:

Physical	U.S. Units	Metric Units
Dimensions	11.0" L x 4.5" W x 4.6" H	279 x 113 x 116 mm
Weight (with label supply and ribbon)	3.52 lbs	1.60 kg

Note: The table below refers to the BradyPrinter™ M611 printer only. Consumable performance may vary.

Environmental	Operation	Storage
Temperature (Printer) Note: Prolonged exposure of the printer to direct sunlight is not recommended.	40° to 110° F (4° to 43° C) The AC adapter is rated at a maximum temperature of 104° F (40° C).	0° to 110° F (-18° to 43° C)
Relative Humidity (Printer)	20% to 90% (non-condensing)	10% to 90% (non-condensing)

Proximity Range for Wi-Fi and Bluetooth

The BradyPrinter™ M611 printer should be within the following distance from the router or device to pick up the Wi-Fi or Bluetooth signal.

	Wi-Fi	Bluetooth
Range	65 ft (19.8 m)	65 ft (19.8 m)

2 Setup

Unpacking the Printer

What's in the Box

The following items are included in the standard BradyPrinter™ M611 package:

- BradyPrinter™ M611 printer with internal battery. (Battery is not accessible. Contact Brady Technical Support for service.)
- AC adapter and power cord (included depending on region)
- USB cable (BMP41-USB)
- One M61-R4310 ribbon
- One PTL-97-488 general purpose white polyester label supply (0.9" x 0.9", 22.86 mm x 22.86 mm)
- USB flash drive with User's Manual, Quick Start Guide, and Driver Installation Guide in various languages
- Printed Quick Start Guide
- Strap (BMP-Strap-1) (See "Attaching the Strap" on page 25.)



Save the Packaging

Save the packaging surrounding your BradyPrinter™ M611 printer in case you have to ship the printer and accessories back to the supplier.

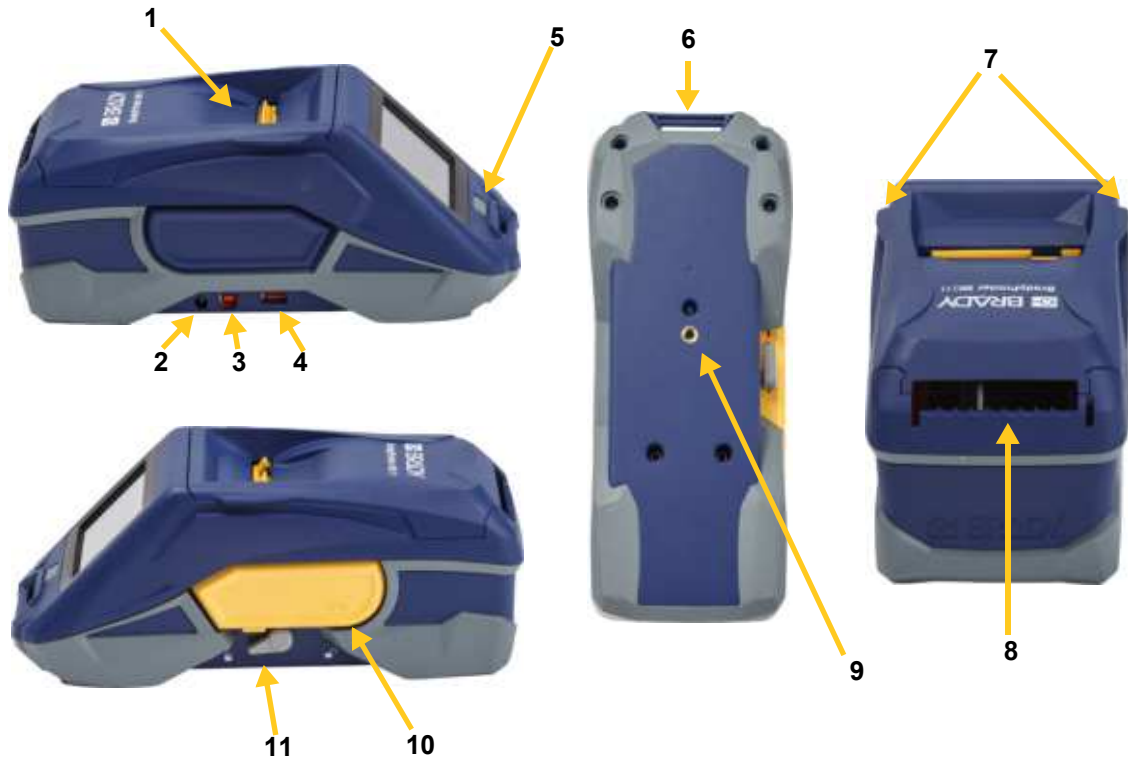


CAUTION! If shipping the printer, consult with your transportation carrier for state, federal, municipal, and international shipping regulations regarding the lithium ion battery contained in the printer.

Registration

Register your printer online at www.bradycorp.com/register and receive free product support and updates!

Printer Components



1 Supply door (label supply well)	7 Supply door open tabs
2 AC adapter port	8 Bulk or external label feed path
3 USB port (computer connection)	9 Magnet attachment screw hole
4 USB host port (phone charging and firmware upgrades)	10 Ribbon
5 Power button	11 Lock lever
6 Strap attachment loop	

Power and Battery

Power is supplied to the BradyPrinter™ M611 printer from an internal lithium ion battery, or from an AC power adapter.



WARNING! To prevent risk of fire, electrical shock, explosion, or damage, read below.

- Do not expose the printer to temperatures above 110°F (43°C).
- Do not disassemble, mistreat, or attempt to replace components in the printer.
- Do not use any AC adapter other than that specifically for use with the BradyPrinter™ M611 printer.
- Do not incinerate the printer. Keep the printer away from heat sources.
- Keep the printer away from water.
- Never lay objects on top of the printer.
- Store the printer in a cool, dry place.
- The printer must be recycled or disposed of properly according to federal, state, and municipal regulations.

AC Power Adapter

The printer can be powered through an AC/DC power adapter. When the adapter is plugged in, it is also charging the battery.



CAUTION! Use only the 18 V DC, Brady AC/DC adapters shown below, for supplying power to the BradyPrinter™ M611.

Catalog Number	Region
BMP41-AC	North America, Australia
M50-AC-INTL	Europe
M50-AC-AR	Argentina
M50-AC-BR	Brazil

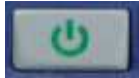
To plug in the printer:

1. Insert the round end of the adapter cable into the AC Adapter port on the left side of the printer.
2. Plug the female end of the electrical cord into the opposite side of the adapter. Plug the male end of the electrical cord into an electrical outlet.

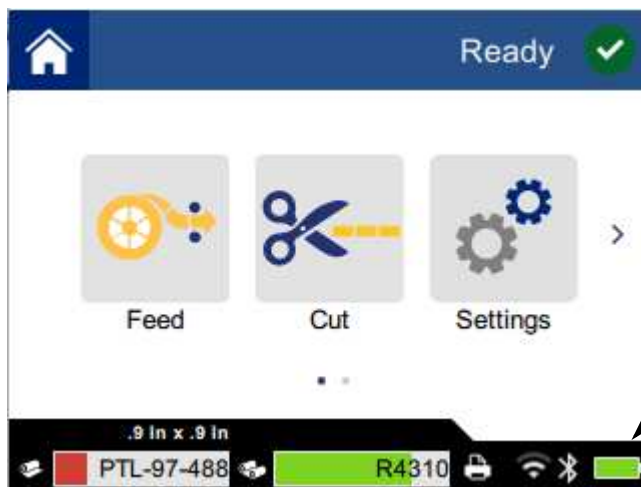
Charging the Battery Before Initial Use

Fully charge the internal lithium ion battery before running the printer on battery.

1. Plug the printer into a power outlet.
2. Charge for 4.5 hours.
3. Check for full charge.
 - a. Press the power button to turn on the printer.



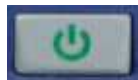
- b. Make sure the battery icon on the display is completely filled in.



Power On

To turn the printer on or off:

1. Press the power button.



Automatic Shut Down

When the printer is plugged in, you can leave it on all the time so that software can find the printer. When running on battery, the printer automatically turns off after a period of inactivity. To set the inactive time, see *“Power Save Mode” on page 8.*

Hard Boot

To force the printer to restart if it becomes unresponsive, hold the power button down for ten seconds.

USB Host Port

The USB host port serves two purposes.



- Upgrading firmware and materials database (Y and B) files. See “*Upgrading Firmware*” on page 30 and “*Updating Y and B Values*” on page 31.
- Charging a mobile device, only when the printer is plugged in to an AC power source.

Printer Settings

Use the touch screen on the printer to configure standard settings, such as the language. For an introduction to using the touch screen, see “*Touch Screen*” on page 27.

Language


To set the language for text on the touch screen:

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  to return to the home 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 Bulgarian, the printer will automatically display a keyboard with Bulgarian characters. If you only want to use the default keyboard, you do not need to change any keyboard settings.

To select keyboards:

1. With the printer turned on, tap **Settings**. 
2. Tap **System Configuration**, then **Virtual Keyboards**. 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.

Units of Measure

Set the unit of measure to inches or millimeters.



To set the unit of measure:

1. With the printer turned on, tap **Settings**. 
2. Tap **System Configuration**, then **Measurement Units**.
3. Tap either **Inches** or **Millimeters**.
4. Tap  to return to the home screen.

Date and Time

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


To set the date and time:

1. With the printer turned on, 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.
4. Tap  to return to the home screen.


Power Save Mode

In order to save power, the printer can shut down after a period of inactivity. You may want to set a shorter inactive period when running on battery than when plugged in.

To set the inactive period:

1. With the printer turned on, tap **Settings**. 
2. Tap **System Configuration**, then **Power Save Mode**.

3. Tap either **Battery** or **AC Power** depending on whether you want to change the inactive time when running on battery or plugged in.
4. To set the minutes, drag the dot to the left or right, or tap the plus or minus signs. The setting takes effect immediately.


Tip: To leave the printer on all the time so that software can find it, drag the time indicator dot all the way to the right to set the shutoff period to *Never*. When running on battery, be aware that the printer will run out of power eventually.
5. Tap  to return to the home screen.

Brightness and Rotation

Use the settings menu to adjust settings for the screen.

- **Brightness.** Increase the brightness if the screen is too dark to read easily. When running on battery be aware that increased brightness uses more power.
- **Rotation.** If you hang the printer from the strap, or affix it to a horizontal surface with the magnet, the screen image will be upside down unless you rotate it. For information about the strap and magnet see *“Attaching the Strap” on page 25* and *“Magnet” on page 23*.


To change the display settings:

1. With the printer turned on, tap **Settings**. 
2. Tap **Display**.
3. Tap the desired setting and make your changes.
 - **Adjust Brightness:** Drag the dot to the left for darker or right for brighter. Alternatively, tap the plus or minus signs. To return to the factory setting, tap **Reset Default**.
 - **Rotate Display:** Tap **Normal** if using the printer placed on a horizontal surface. Tap **Inverted** if hanging or mounting the printer vertically.


Printer Name

The printer name is displayed when a mobile device or computer searches for the printer on a Bluetooth or Wi-Fi connection. If you do not set the printer name, the printer serial number is used.

To change the printer name:

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

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 touch screen to type a name for the printer.

4. When finished tap .

Important! If you change the printer name after using the printer with the Brady Express Labels mobile app (see “*Software for Creating Labels*” on page 10), 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 “*Software for Creating Labels*” on page 10 and “*Manually Enter Settings*” on page 13.

When using Brady Workstation software on Wi-Fi, this name is shown when selecting a printer. See “*Software for Creating Labels*” on page 10 and “*Connecting the Printer*” on page 11.

Software for Creating Labels

Install labeling software on your computer or mobile device, set up the connection to the printer, then use the software to design labels and send them to the printer. (Refer to your local Brady website for other Brady software. Be aware that older Brady labeling software may not automatically detect the printer and that the information in this manual is based on the software listed below.)

- Use the Brady Express Labels app on a mobile device.
- Use Brady Workstation software on a desktop or laptop computer.

Mobile

Download the Brady Express Labels app from the Apple® App Store or the Google Play™ store.

Desktop

Brady Workstation software provides a variety of apps to simplify label creation for specific purposes. It also provides easy-to-use apps for custom label design.

To get Brady Workstation software:

1. Make sure your computer is connected to the Internet.
2. Go to www.workstation.bradyid.com.
3. Follow the instructions on the screen to choose the right software for your purpose and download it.



Installing the Windows Driver (Optional)

If you are using the Brady Express Labels app or Brady Workstation software, you do not need to install the windows driver. Skip to “*Connecting the Printer*” on page 11.

If you are using older Brady software or third-party software, you must install the Windows driver. See the *Driver Installation Guide* PDF file on the USB flash drive that came with the printer.

Connecting the Printer

Connect to the labeling software using Bluetooth® wireless technology, a Wi-Fi® wireless network, or a USB cable.

	Supported Connections
Computer	
Mobile Device	

Tip: The printer comes with Bluetooth on. If you do not want Bluetooth on, tap **Settings**, then **Connection** and turn Bluetooth off.

Bluetooth

To connect the printer to a mobile device via Bluetooth:

1. **On the printer:**
 - a. Make sure the printer is turned on.
 - b. The printer comes with Bluetooth turned on. Look for the Bluetooth symbol in the lower right of the display to verify that it is on.

If you do not see the Bluetooth symbol, turn Bluetooth on. Tap **Settings**, then **Connection**, then **Bluetooth**, and then tap the switch (shown below). Red means off, green means on.



2. **On the mobile device:**

Follow the instructions in the Brady Express Labels mobile app. When found, the printer is represented by its serial number (unless you have changed the printer name as in “Printer Name” on page 9). The serial number is located inside the



printer behind the label roll. Select the printer on the mobile device.

Note: If you change the name of the printer after it has been paired with the Brady Express Labels mobile app, you must pair it again. (See “Printer Name” on page 9.) In the Brady Express Labels app, go to settings and add the printer again.

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.



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 devices on that network.


Note: The on-screen keyboard for entering passwords and user names contains only the characters allowed for network user names and passwords. Thus, you may see a keyboard that differs from those you have enabled in *Settings*.

Search to Connect

This is the easiest and most common method for connecting.

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** to turn on Wi-Fi. The printer searches for Wi-Fi networks and displays a list of networks found. Touch and drag to scroll the list. (If you need to identify the network by static IP address or DHCP, see “Manually Enter Settings” on page 13.)
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 .
- **Note:** If your network uses WEP authentication, a menu displays instead so that you can enter both the password and the WEP index (key).
- If the network you need is not in the list, it may not be discoverable. 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 Settings

Use this method if you need to identify the network by static IP or DHCP. Contact your network administrator for assistance.

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. Tap **Wi-Fi**.
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  to return to the home screen.

Loading Supplies

The BradyPrinter™ M611 printer uses the same ribbon and label supplies as the BMP®61 printer.

Loading Ribbon

Product numbers for ribbons begin with M61. For example, M61-R4310.

Note: It is best to remove the label supply before installing ribbon. Loading the ribbon with label supply in the printer can damage the ribbon.

To install ribbon:

1. Turn the lock lever toward the back of the printer to unlock it.



2. Remove the old ribbon.



3. Insert the new ribbon.



4. Turn the lock lever toward the front of the printer to lock it.



Loading Labels

Brady labels come equipped with smart-cell technology that enables the printer and Brady labeling software to recognize the type of label and automatically set many label formatting details.

For optimum performance, use genuine Brady BMP61 labels. Labels can be loaded with the power on or off.

Label compatibility notes:

- M61, M61C, and BM61 label supplies are compatible with BMP®61, BradyPrinter™ M611, and BMP®71 (with an adapter) printers.
- TLS2200 label supplies are compatible with BradyPrinter™ M611 and BMP®71 printers.
- BM71 label supplies may be compatible with the BradyPrinter™ M611 printer, check www.BradyID.com for specifics.

To load labels:

1. Lift the lid on the printer.



2. Remove the existing label roll.

- a. If the label spool is not empty, gently rewind the spool with your finger to back the unused label supply out from under the print head.



- b. Grasp the label roll smart cell guide and gently pull up out of the label well.



3. Remove the protective tape covering the leading end of the labels on the new label roll.

4. With labels coming off the top of the spool toward the front of the printer, grasp the smart cell handle and insert the labels straight into the smart cell reader compartment, gently pushing until it clicks into place. Make sure the smart cell on the label roll aligns with the reader in the label well.

smart cell



5. If using anything but a 2-inch wide label supply, slide the label guide to the left until it fits snugly up against the label roll and clicks into place.



6. Make sure the print head is locked. Check the lock lever to make sure it is in position pointing toward the front of the printer.



7. Feed the leading edge of the label roll through the guide slots until it stops.



8. Tap **Feed** on the touch screen to advance the label supply.



9. Close the label supply door by pushing down on it until it snaps into place.

Loading Bulk Labels

To load bulk labels:

1. Remove the label spool and the label feed ramp from the box.



2. On the bulk label box, push tabs A and C in, then pull the perforated flap down and tear off.



3. Attach the label feed ramp to the bottom of the perforation, with the ramp arms on the outside of the box.



4. Attach the ramp hooks to the outside of the bulk label feed path on the printer.



5. Insert the label spool into the printer so that the smart cell aligns with the reader in the label well. Adjust the label guide as needed.



6. Pull the loose end of the bulk labels out of the box and thread over the tray and into the bulk label feed path on the printer.



7. Continue to feed the leading edge of the label roll over the label spool and through the guide slots until it catches.



8. Tap **Feed** on the touch screen to advance the label supply.

9. Close the label supply door.



Loading Fanfold (Raised Panel) Labels

Load fanfold label supplies such as B-593 raised panel labels in much the same way as bulk labels.

1. Open the printer. Insert an empty label spool into the printer so that the smart cell aligns with the reader in the label well. Adjust the label guide as needed.



2. Place the open label box behind the printer and feed the labels through the external label slot, over the label spool, and through the guide slots until it stops.



3. Tap **Feed** on the touch screen to advance the label supply.
4. Close the label supply door.



Recycling the Label and 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. These various components must then be recycled in the correct recycling bins.

Materials

- 1/4-inch blade flathead screwdriver
- Safety Glasses
- Safety Gloves

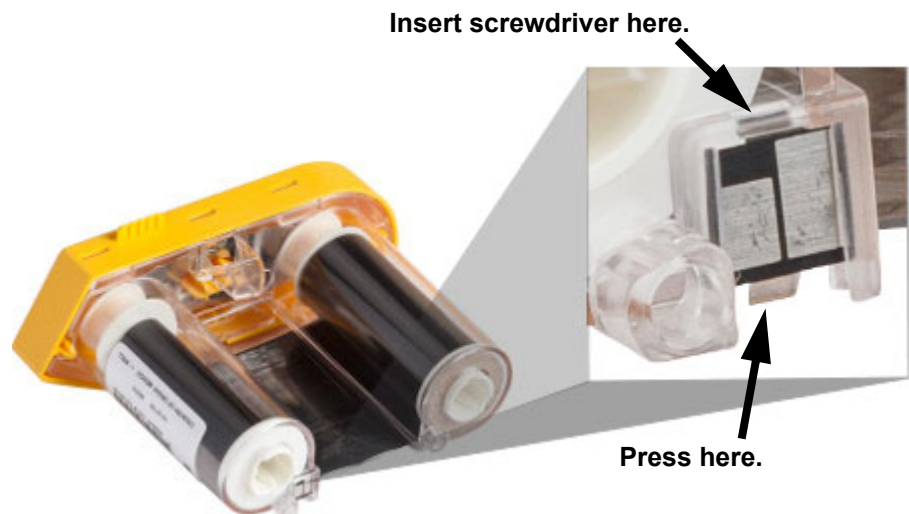


CAUTION! Always wear personal protective equipment when dismantling a ribbon or label cartridge.

Dismantling the Ribbon

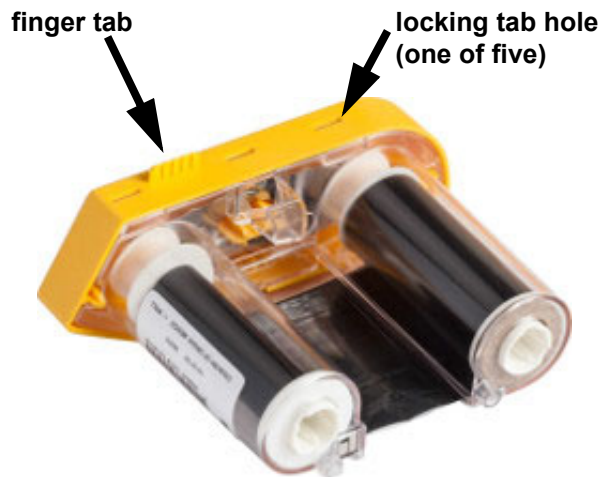
To dismantle the ribbon:

1. Using your thumbnail, press the clear plastic locking tab down. While holding the tab down, insert the blade of the screwdriver above the smart cell and slide downward. The smart cell easily slides out for removal.



2. With the yellow ribbon cover facing up, insert the blade of the screwdriver, one at a time, in through the five locking tab holes to depress the locking tabs. While depressing each tab with

the screwdriver, use your thumb or finger to apply upward pressure on the ribbon cap finger tab. The ribbon cover releases and separates from the rest of the assembly.

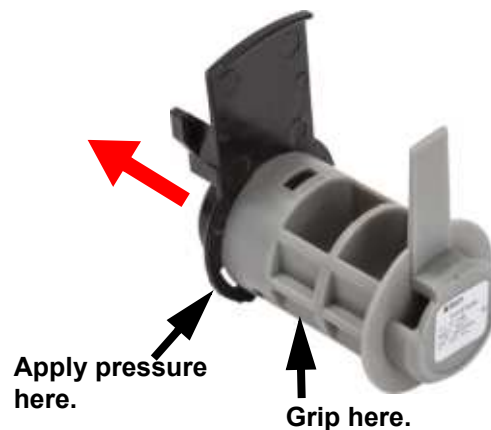


3. Using the screwdriver, pry out the metal ribbon spring from the inside of the yellow ribbon cap.
4. Once the spring is removed, turn the ribbon cartridge on its side and allow the ribbon and white spools to fall out.
5. Unwind the ribbon from the spools, then gently peel the ribbon end from the weak adhesive that affixes the ribbon to the spool.

Dismantling the Cartridge

To open the cartridge:

1. Unwind any remaining label supply from the spool, then gently peel the end of the supply off of the spool to separate.
2. Grip the spool just behind the black end cap (containing the smart cell).
3. With your thumb, apply pressure to the back of the black end cap to separate the cap from the label supply cartridge core.



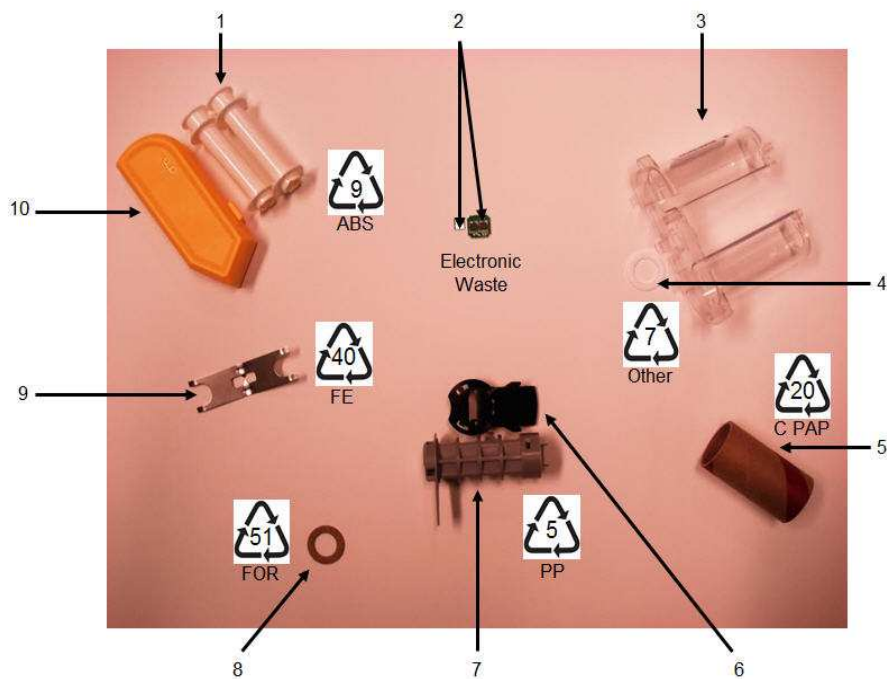
4. From the back side of the black end cap, press the blade of the screwdriver against the locking tabs, applying outward pressure. This will release the smart cell.



5. Slide the cardboard core off of the plastic cartridge core.

Recycling Components

These components should be removed from the cartridge and recycled according to the following guidelines.



	Component	Material	Recycle Bin
1	Ribbon Spools (White)	ABS	#9 ABS
2	Ribbon Smart Cell Label Supply Smart Cell	Electronic	Electronic Waste
3	Ribbon Cartridge (Clear)	Polycarbonate (PC)	#7 Other
4	Ribbon Washer (White)	PTFE	#7 Other
5	Label Supply Cardboard Core	Cardboard	#20 C PAP
6	Label Supply End Cap (Black)	PP	#5 PP
7	Label Supply Cartridge Core	PP	#5 PP
8	Ribbon Washer (Cork)	Cork/Nitrile	#51 FOR
9	Ribbon Spring	Stainless Steel	#40 FE
10	Ribbon Cap (Yellow)	ABS	#9 ABS

Accessories

The following accessories are available for the BradyPrinter™ M611 printer and can be purchased separately from your distributor:

- Magnet (BMP-MAGNET-2)
- Hard-sided carrying case (BMP-HC-2)
- Sling pack (BMP-PACK-2)
- Cleaning Kit (PCK-5)
- Strap (BMP-Strap-1). Included with printer and available for purchase separately.

Magnet

Use the magnet accessory, purchased separately, to attach the printer to magnet-receptive metal surfaces such as panels and I-beams.



WARNING! The magnet accessory contains a neodymium magnet.

- Strong magnets may interfere with proper operation of heart pacemaker, defibrillator, insulin pump, or other medical devices. Keep magnets a sufficient distance from anyone wearing these devices.
- Do not use magnets in explosive atmospheres.



- Do not give children strong magnets (especially neodymium). Keep this product out of the reach of children.
- Many magnets are brittle and may shatter if they “jump” together or jump onto a steel surface. Always wear eye protection if this is likely to happen.
- Analog watches, televisions, and computer monitors can be permanently damaged by placing magnets near them.
- Strong magnets may affect or interfere with sensitive electronic instruments and navigation equipment. Always keep magnets a sufficient distance from such devices.
- Magnets can destroy information stored on magnetic media such as credit cards, tape drives, and computer hard drives. To preserve your data, keep these and other magnetic media away from the product.

Dispose in accordance with federal, state, and local regulations.

To attach the magnet accessory to the printer:

1. Position the magnet accessory over the screw hole on the bottom of the printer.



2. Flip up the handle on the screw and use it to hand tighten the screw.



3. Slide the magnet keeper plates off of the magnets.



Attaching the Strap

Use the included strap to hang the printer.

To attach the strap:

1. With the Brady logo on the strap facing up, thread the strap through the loop on the front of the printer.



2. Thread the strap through the two D-rings.



3. Separate the two D-rings so there is enough space for the strap to pass between them, and thread the end of the strap back between the two rings.

4. Pull the loose end of the strap until it feels tight, then press the strap together with the hook and loop fastener so it lays flat.



5. Use the third D-ring to hang the printer on a bar or hook.

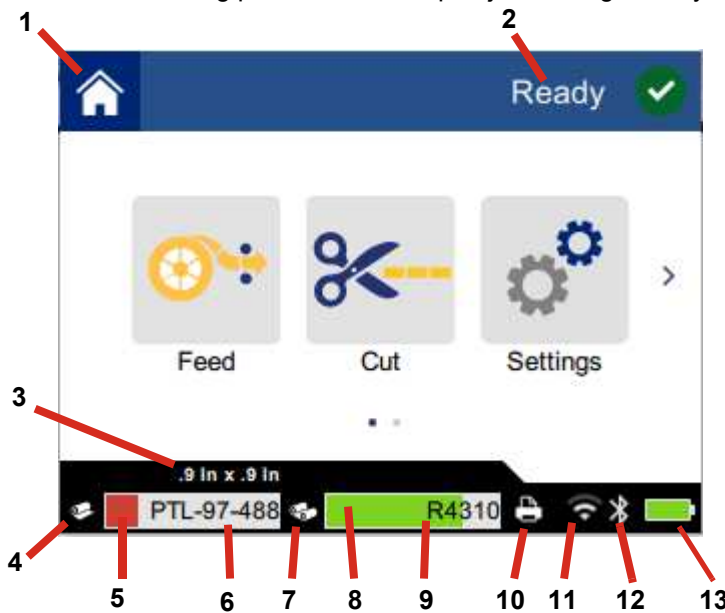


3 Getting Started

Touch Screen

Use the printer's touch screen to configure settings, check status, and feed and cut labels, among other functions. Touch the screen with your finger to make a selection.

Note: Do not use a writing pen or other sharp object. Doing so may mar the touch screen surface.



1 Home	8 Ribbon remaining
2 Printer status	9 Ribbon part number
3 Supply size	10 Print job status
4 Supply status	11 Wi-Fi on and signal
5 Supply remaining	12 Bluetooth on
6 Supply part number	13 Battery charge remaining
7 Ribbon status	

Navigation and Status Bar



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



While navigating the menus, tap the back button to go back to the previous page.



On the home screen, tap to scroll left or right.

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

Icon	Meaning
	The text above this icon indicates the label material installed in the printer.
	The printer cannot read the memory cell on the label supply. Label supply may not be installed, may be installed incorrectly, or the memory cell may be corrupted.
	The printer is receiving data from the software.

Material Details

To see detailed information about the label supply and ribbon, click the supply or ribbon part number in the status bar. The *Material Details* screen opens.



To close the *Material Details* screen, click the x in the upper right corner.

Creating Labels

Create label files using Brady Workstation software or the 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 detects the ribbon and labels installed in the printer. See “*Software for Creating Labels*” on page 10.

For help using the software, refer to the documentation within the software.

Cutting and Feeding

Use the cutting settings in the software to determine if and when the printer should cut labels. The software also automatically feeds labels.

If you need to cut manually, from the home screen on the printer, tap **Cut** or **Feed**.



CAUTION! Do not insert fingers near cutter. It could pinch or cut.

Printing

Before printing, you must use a software program to create labels. See “*Creating Labels*” on page 28.

To print labels:

1. Make sure the printer is on and the label supply door is closed.
2. On the computer or mobile device, open the label file.
3. Click or tap the print button in the software.

The software sends the labels to the printer.

If a print job is interrupted, for instance when label supply or ribbon runs out, or you intentionally open the label supply door, the system automatically stops the print job and displays a message. While the message remains on the screen, follow the instructions on the display to resume printing.

For error messages and troubleshooting information, see Chapter 5: *Troubleshooting* beginning on page 38.

4 Maintenance

Displaying System Information

The *About* page displays version numbers for various components of the system. Check the *Firmware driver* version when considering a firmware upgrade. Use the remaining information on the *About* page if instructed by Brady Support.

To view system information:

1. From the home page, tap **Settings**.



2. Tap **About**. Touch and drag upward or downward on the screen to scroll through all the information.

Upgrading Firmware

Upgrades to firmware (printer system software) are available online. For information on how to locate the current firmware version on your printer, see “*Displaying System Information*” on page 30.



CAUTION! The printer must be plugged in to an AC outlet during a firmware upgrade. Do not interrupt printer power during an upgrade.

To upgrade firmware:

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 BradyPrinter™ M611 firmware.
Tip: If a database update is available, download that as well. See “*Updating Y and B Values*” on page 31.
3. Download the firmware.
4. Save the downloaded file to a USB flash drive.
5. Plug the printer in to an outlet using the power cord and adapter.
6. Connect the USB flash drive to the USB host port on the printer. The printer recognizes the upgrade file and displays a message on the touch screen.
7. Follow the instructions on the touch screen. When the upgrade is complete, the printer restarts.


Updating Y and B Values

Y and B values are included in a database of label and ribbon part information that enables the printer to work optimally with various supplies.

Update Y and B values periodically to make sure the printer has data for any new label supplies. Also, update if you have ordered a custom label supply from Brady and it came with new Y and B values.

You do not need to know your current database version. The printer displays a confirmation message showing the version numbers during the import process.

To update Y and B values:

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 BradyPrinter™ M611 database (Y and B) update.
3. Download the database update.
4. Save the downloaded file to a USB flash drive.
5. Connect the USB flash drive to the USB host port on the printer.
6. On the home screen, scroll right and tap **Import Files**. 
7. Tap **Y & B Files**. Follow the instructions on the screen to complete the import. The new values take effect as soon as the import completes.

Cleaning the Printer

Cleaning the printer will improve print quality and legibility. It also increases output, machine life, printer reliability, and performance.

Display Screen

To clean the display screen:

1. Lightly moisten a soft (non-scratching) swab with isopropyl alcohol, or use swabs available with the Brady PCK-6 Cleaning Kit.
2. Gently wipe the display screen until clean.

Internal Components

Use a BradyPrinter™ M611 disposable cleaning card (Brady part number PCK-5) to safely and effectively remove all dirt, ribbon ink residue, adhesive, and other contaminants from the thermal print head, platen roller, and paper path.

To clean the print head, platen roller, and paper path:

1. Remove the ribbon and label spool from the printer. See *“Loading Supplies”* on page 13.

2. With the printer turned on, tap **Settings**.



3. Tap **Maintenance**, and then tap **Clean Print Head**.
4. With the ribbon removed, close the lock lever.
5. Set the label supply guide to the widest position.
6. Insert the cleaning card into the label path until it stops against the print head and platen roller.



7. Tap **Run** to initiate the cleaning routine.
8. After cleaning is complete, remove the cleaning card and dispose of properly.
9. Allow 15 seconds for the print head, platen roller, and label path to dry before reloading labels and ribbon.

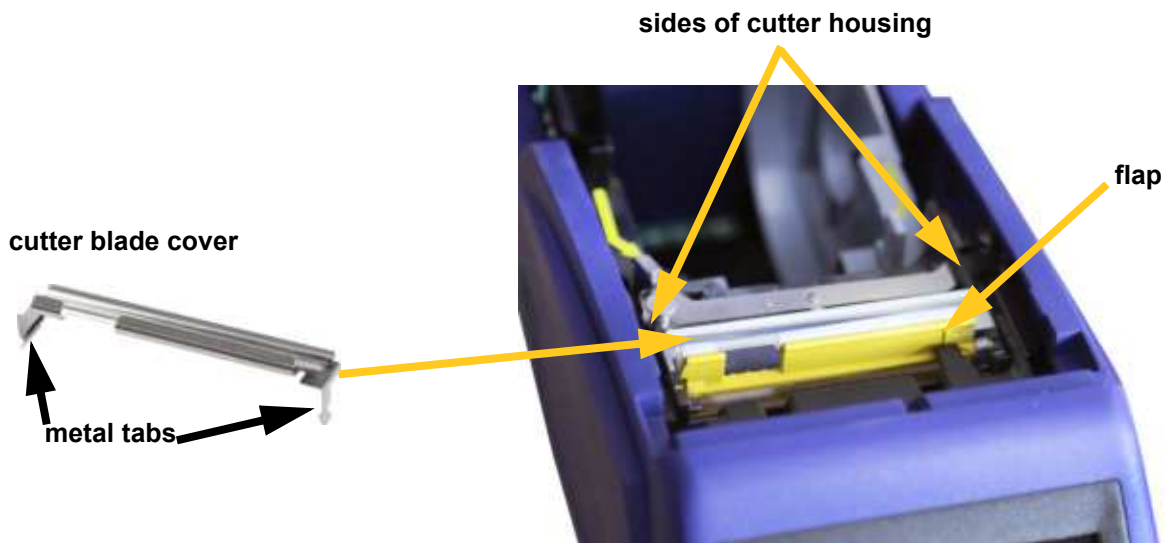
Replacing the Cutter Blade Cover



CAUTION! When removing jammed material from the cutter, do not use sharp objects such as a screwdriver because they may damage the print head. Use tweezers to grasp the material.

Do not insert fingers near cutter. It could pinch or cut.

If the printer is accidentally dropped, the cutter blade cover may come loose or fall out. If the blade cover is not dented or damaged in some other way, you can easily re-insert the blade cover into the printer.



WARNING! Turn off the printer before replacing the cutter blade cover.

To remove the cutter blade cover:

1. From inside the supply well, slip your finger under the right side of the blade cover and gently pull up to unhook the blade cover. The blade cover releases easily.



To re-insert the cutter blade cover:

1. Grasp the blade cover from the top with the cut-out portion of the blade facing the display screen (away from the supply well).
2. Pull the yellow flap forward, then insert the blade tight up against the yellow flap with the metal tabs fitting over the outside of the cutter housing. The blade cover snaps in easily.



Replacing the Cutter Assembly



CAUTION! Handle the plastic housing on the cutter assembly carefully. Do not insert fingers near cutter. It could pinch or cut.

To replace the cutter assembly:

1. Remove the cutter blade cover. See *“Replacing the Cutter Blade Cover”* on page 33.
2. From the home screen, tap **Settings**.



3. Tap **Maintenance**, and then tap **Replace Cutter**. This moves the cutter into position for service, uncovering the mounting screw.



4. Loosen the mounting screw.
5. Remove the cutter assembly.



6. Install the new cutter assembly making sure the two tabs are located as indicated in the picture below, and the lever is between the bearing and pin on the actuator as shown in the picture above.



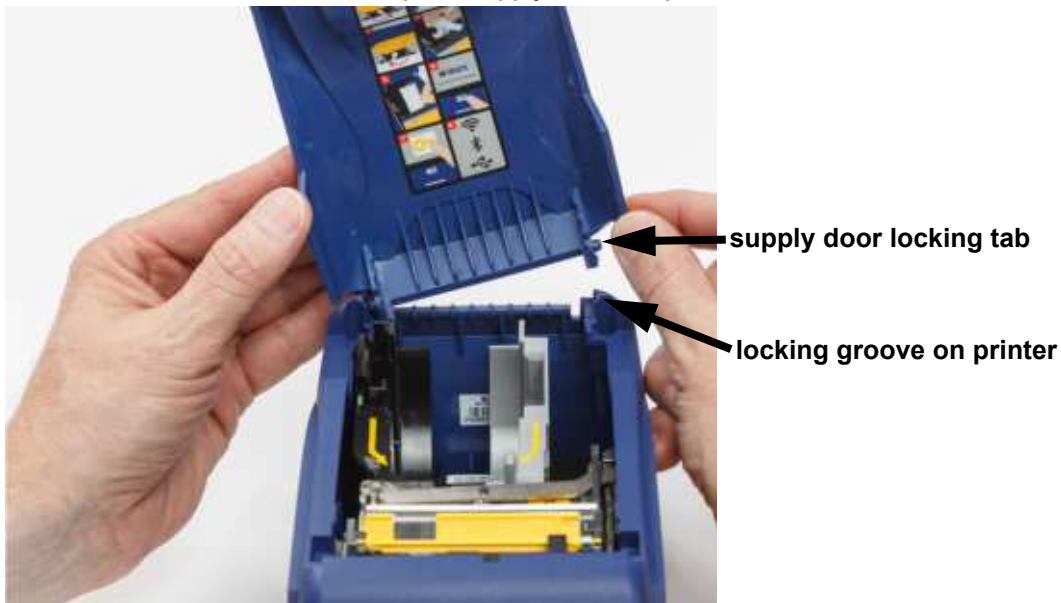
7. Tighten the mounting screw.
8. Tap **Done** on the touch screen to return the cutter to its home position.

Replacing the Label Supply Door

If the printer is accidentally dropped, the printer supply door may come off. If the supply door is not damaged, it can easily be re-attached to the printer. The supply door must be on the printer and closed for printing and cutting.

To re-attach the supply door:

1. Insert the supply door locking tab on one side of the printer supply door with its corresponding locking groove on the printer.
2. Gently squeeze the other side of the supply door enough so its locking tab can slip into the other locking groove of the printer.
3. Push down to snap the supply door into place.



5 Troubleshooting

The following sections provide information to help troubleshoot issues with the printer.

- The “*Troubleshooting Scenarios*” section below contains a list of possible issues you may encounter with information about the cause and solutions.
- “*Error Messages*” on page 39 provides a list of error messages with cross references to related information in this manual.

Troubleshooting Scenarios

If you encounter a problem while using the BradyPrinter™ M611 printer, see the following sections for help troubleshooting the issue.

- “*Ribbon cartridge will not go into the bay*” on page 38
- “*Cutter does not cut or cuts poorly*” on page 38
- “*Printer does not turn on*” on page 39
- “*Printer turns off by itself*” on page 39
- “*Display does not respond*” on page 39

Ribbon cartridge will not go into the bay

Problem: The ribbon cartridge will not go easily into the bay.

Solutions:

- Make sure the cartridge is oriented correctly.
- Check to see if there is slack in the ribbon between the rollers. If so, rotate the take-up spool clockwise to remove the slack.



Cutter does not cut or cuts poorly

Problem: Labels print, but are not cut, or the cuts are rough and torn.

Solutions:

- Adhesive may have built up on the blades. Clean the cutter blades with a moistened swab from the cleaning kit. See *“Cleaning the Printer” on page 31*.
- Make sure the software is set to cut as desired (between labels or at the end of the job).

Printer does not turn on

Problem: Nothing happens when I press the power button.

Solution: The battery may need to charge. Plug the printer into an electrical outlet using the AC adapter that came with the printer. For more information, see *“Power and Battery” on page 5*.

Printer turns off by itself

Problem: The printer frequently turns itself off.

Solutions:

- The battery may be low. Plug the printer into an electrical outlet using the AC adapter that came with the printer. For more information, see *“Power and Battery” on page 5*.
- The printer may be set to shut off automatically after too short a time.

Display does not respond

Problem: An internal error may have occurred with the display, or the battery could be low.

Solutions:

- Press the power button to turn off the printer.
- Plug the printer into an electrical outlet using the AC adapter that came with the printer.

Error Messages

Error messages on the printer include instructions to address the situation. The table below lists error messages and provides references to additional information in this manual when applicable.

Error Title	Related Information
Low Memory	Follow the instructions on the printer’s display.
Supply Out	<i>“Loading Labels” on page 15</i>
Ribbon Out	<i>“Loading Ribbon” on page 14</i>
Print Head is Too Hot	<i>“Physical and Environmental Characteristics” on page 2</i>
Print Head is Too Cold	<i>“Physical and Environmental Characteristics” on page 2</i>
Door is Open	The printer must be operated with the door closed for cutter safety.

Error Title	Related Information
Supply Empty	<i>"Loading Labels" on page 15</i>
Invalid Supply	<i>"Loading Labels" on page 15</i>
Cannot Connect to Wireless Network	<i>"Bluetooth" on page 11</i> <i>"Wi-Fi" on page 12</i>
Maintenance Required	<i>"Cleaning the Printer" on page 31</i>
Failure Loading Supply	<i>"Loading Labels" on page 15</i>
Supply Jam	<i>"Loading Labels" on page 15</i>
Cutter Jam	Do not use sharp objects such as a screwdriver to remove jammed material because they may damage the print head. Use tweezers to grasp the material. For information on accessing the cutter see <i>"Replacing the Cutter Blade Cover" on page 33</i> and <i>"Replacing the Cutter Assembly" on page 34</i>
Ribbon/Supply Mismatch	Follow the instructions on the printer's display.
Ribbon Empty	<i>"Loading Ribbon" on page 14</i>
Invalid Ribbon	<i>"Loading Ribbon" on page 14</i>
Lock Lever Open	<i>"Printer Components" on page 4</i>
Y/B File Error	<i>"Updating Y and B Values" on page 31</i>
Shutting Down	<i>"Automatic Shut Down" on page 6</i>
Battery Power is Low	<i>"Power and Battery" on page 5</i>
Supply Not Optimized for Printing	<i>"Updating Y and B Values" on page 31</i>

A Regulatory Compliance

Agency Compliance and Approvals

United States

FCC Notice

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 his 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.

Canada

Innovation, Science and Economic Development (ISED)

Canada ICES-003:

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

Mexico

IFETEL 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.

Jamaica

This product contains a Type Approved Module by Jamaica: SMA – M611

Taiwan Statement

Class A Statement

警告使用者

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Taiwan Restricted Substances Containment Status (RoHS Declaration) related to this product is available at www.BradyID.com/M611compliance.

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 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.

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

China

China RoHS Hazardous Substance Table related to this product is available at www.bradyid.com/M611compliance.

Wireless Regulatory Information

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



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

Radio protocol	WLAN IEEE 802.11b/g/n	Bluetooth Classic
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 \ -3.06 dBi	PCB trace antenna \ 1.00 dBi
Environmental Operation and Storage (Radio Modules)	-40 to 85° C (-40° to 185° F) Note: Be mindful of Brady host printer user guide for maximum operating temperatures	

United States

Federal Communication Commission (FCC)

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: To comply with FCC RF exposure compliance requirement, the antenna used for this transmitter must not be co-located or operating in conjunction with any other transmitter/antenna except those already with radio module filing.

RF exposure guidelines: The radiated output power of this device is far below the radio frequency exposure limits. Nevertheless, to avoid the possibility of exceeding radio frequency exposure limits for an uncontrolled environment, a minimum 20cm distance should be maintained from WiFi radio module PCB antenna (internal) to the head, neck, or body during normal operation.

Canada

Innovation, Science and Economic Development (ISED)

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

This device complies with Industry 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.

Co-located statements: To comply with FCC RF exposure compliance requirement, the antenna used for this transmitter must not be co-located or operating in conjunction with any other transmitter/antenna except those already with radio module filing.

RF exposure guidelines / Important note: This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Note Importante: Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

Mexico

IFETEL 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."

Brazil



Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Este produto contém a placa model GS2011MIPS, código de homologação ANATEL 4208- 15-3693.

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/EC

- a. Frequency band(s) in which the radio equipment operates; 2.401GHz to 2.483GHz
- b. Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates; < +20dBm EIRP (100mW)

International

The WiFi 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)".

Japan

MIC \ TELEC: 006-000263

MIC \ TELEC: 209-J00171

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。

B Licensing

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