

EQUIPMENT MANUAL

Avery Dennison®
Pathfinder®
6059+ Printer

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Outside the U.S., send batteries to:
EMEA, 4 Awberry Court, Croxley Business Park, Hatters Lane, Watford, WD18 8PD

Avery Dennison
170 Monarch Lane
Miamisburg, OH 45342

TABLE OF CONTENTS

GETTING STARTED.....	1-1
Audience	1-1
Printer Overview.....	1-1
About the Printer	1-2
Display	1-2
Using the Keyboard	1-3
Using the Printer Battery.....	1-3
Recycling Information	1-3
Charging the Battery	1-3
Replacing the Battery	1-4
LOADING SUPPLIES	2-1
Loading Labels, Tags, or Receipt Paper.....	2-1
Loading for Non-Peel Mode.....	2-4
Loading for Peel Mode.....	2-6
Calibrating the Supply.....	2-8
PRINTING & SCANNING	3-1
Printing.....	3-1
About RFID Supplies	3-1
Entering Data.....	3-1
Scanning Bar Codes	3-2
Printing Test Labels.....	3-2
Printing a Checkerboard Label	3-2
Printing a Gray Scale Label	3-3
Printing a Serial Quality Label.....	3-3
Printing a Parallel Quality Label	3-3
Printing a Diagnostic Label	3-4
Printing an RFID Diagnostic Label	3-4
CARE & MAINTENANCE	4-1
Storing the Printer	4-1
Clearing Supply Jams	4-1
Cleaning	4-1
Cleaning the Exterior.....	4-2
Cleaning the Printhead	4-2
Cleaning the Platen, Liner Drive, and Pinch Rollers	4-3
Cleaning the Supply Sensors	4-4
Cleaning the Display Screen and Scanner Window.....	4-5

TROUBLESHOOTING.....	5-1
Technical Support	5-2
SPECIFICATIONS & ACCESSORIES.....	1
Printer Specifications.....	1
Radio Specifications	2
Bluetooth Specifications.....	2
RFID Specifications	2
Supply Specifications.....	2
Accessories	3

The Avery Dennison® Pathfinder® 6059+ prints, scans, and collects data. The printer operates in peel mode or non-peel mode. The printer uses the Android™ 12 platform. The printer may contain an optional 802.11 a/b/g/n/ac WLAN plus Bluetooth 4.2 dual mode radio and an optional RFID (Radio Frequency Identification) module, which the printer uses to encode (program) an RFID inlay while printing. RFID inlays contain an embedded programmable microchip and an antenna.



RFID supplies can be damaged by static electricity. Ground yourself by touching metal before handling the RFID supplies.

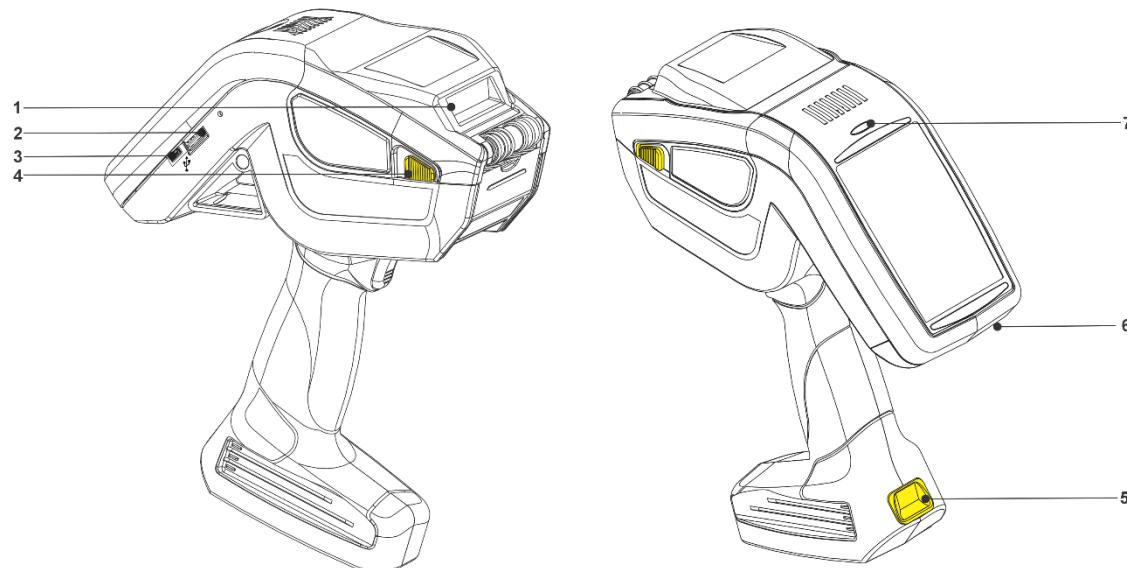
This manual describes how to insert a battery, load supplies, and clean the printer. It also includes basic troubleshooting information. Avery Dennison writes custom applications; your printer may contain a custom application. Contact your Avery Dennison Representative for more information.

Audience

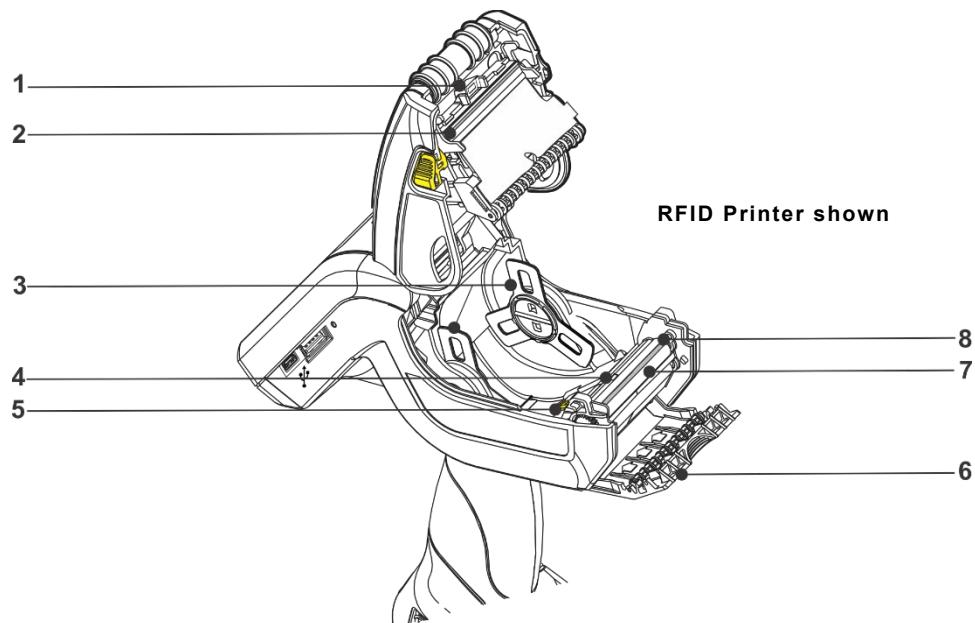
This manual is for the operator who scans or enters data to print and apply labels. For printer configuration information, refer to the *System Administrator's Guide*. To create a format for the printer, use the Avery Dennison® *Label Design Application*. Additional manuals can be found on our Website, <https://www.identificationsolutions.averydennison.com>

Review the *Safety Document* included with your printer and the Regulatory information found on our web site. Keep the box and packaging materials in case the printer ever needs repair.

Printer Overview



1	Scanner	5	Battery Release
2	USB Type A host	6	Power Button
3	Mini-B Device	7	Scanner LED
4	Latch Button		



1	On-Demand Sensor	4	Supply Lock Tab
2	Printhead	5	Label Deflector
3	Supply Holder Tabs	6	Platen Roller (black rubber)
4	Black Mark Sensor	7	Peel Bar (metal)

About the Printer

The power button is red. Press and hold the power button to turn off or restart the printer, then select the option you need.

The printer has a touch screen display. Use your finger to select options. To scroll within a menu, quickly swipe with your finger. You can also slightly press while swiping up or down. A quick tap always launches the selected item.

When the printer is turned on, swipe up the screen to unlock. The display has several icons:

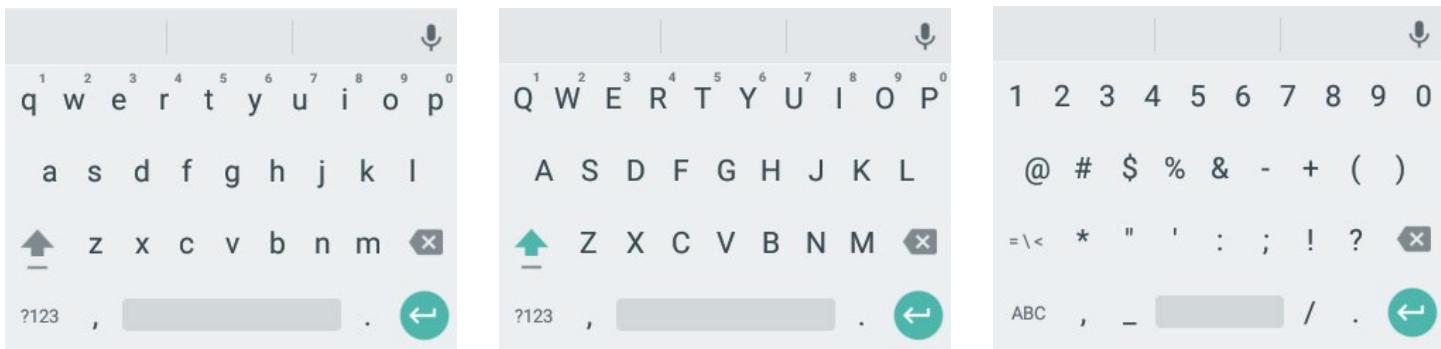
Key	Description
	Back - returns to the previous screen/menu
	Home – user sees the Home screen.
	Overview – opens thumbnails of recently used applications, which allows you to switch tasks easily.
	Apps – shows your applications and widgets.

Display

The display's status bar shows the battery voltage, connection type, wireless signal strength, etc., similar to the icons on mobile phones.

Using the Keyboard

To enter data on the printer, the following keyboards are available:



Using the Printer Battery

The printer uses a replaceable, rechargeable 7.4V lithium-ion battery. The printer also uses a coin cell backup battery to keep the printer's real time clock settings. The coin cell battery is only replaceable by Avery Dennison.

Refer to the Important Battery Use & Care Instructions found on our website.

See Appendix A, "[Specifications & Accessories](#)" for the replacement battery part number.

Warnings: Do not substitute batteries. Charge the battery using one of the Monarch® chargers listed in Appendix A, "[Specifications & Accessories](#)".

The printer uses battery power even when it is not printing. Turn off the printer when it is not in use. Take the battery out of the printer when storing the printer for a month or longer. The battery should be charged before long-term storage or after the battery has been exhausted from a printing session.

Recycling Information

Do not throw batteries in the trash. Recycle according to your local regulations. For more information about how to recycle batteries in your area, visit www.call2recycle.org. Batteries can also be returned postage-paid to:

Avery Dennison ERC; 200 Monarch Lane; Door #39; Miamisburg, OH 45342

Charging the Battery

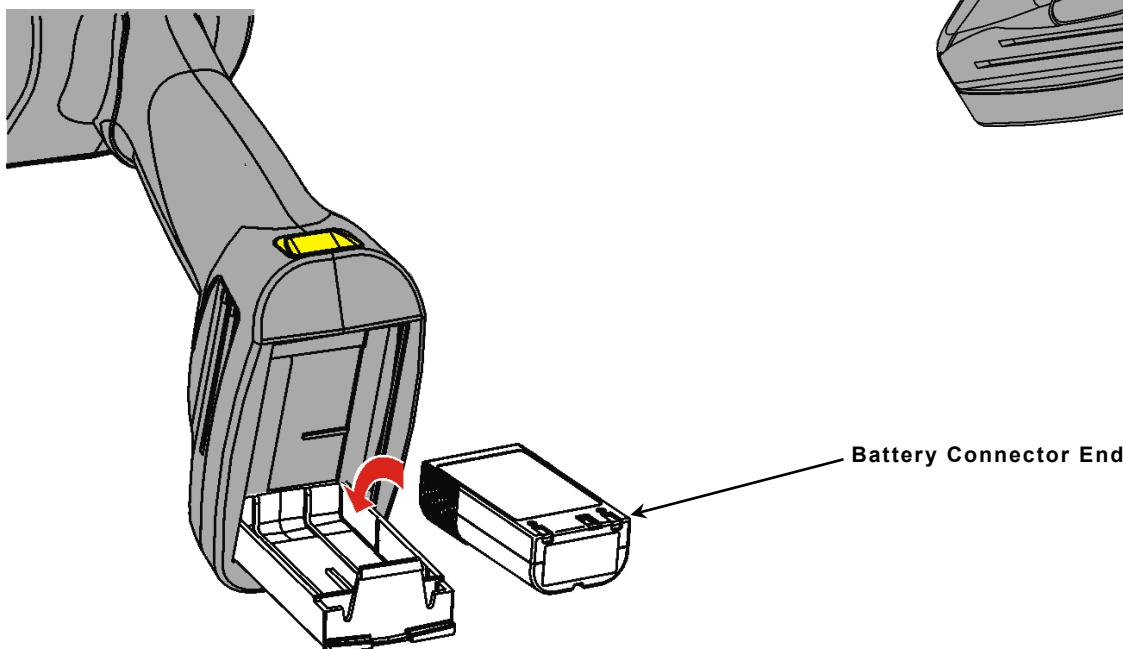
Charge the battery using one of the Monarch® chargers listed in Appendix A, "[Specifications & Accessories](#)".

Refer to the documentation provided with the chargers for more information.

Replacing the Battery

Turn OFF the printer before replacing the battery. To replace the battery:

1. Hold the printer upright with one hand and press the battery release button on the handle with your other hand.
2. The battery compartment door opens slightly. Use your finger to open the door.
3. Remove the battery.
4. Insert a new battery (label side up) into the compartment (connector end last).



5. Close the compartment door until it clicks into place.

LOADING SUPPLIES

2

The printer uses three types of supplies:

- ◆ Labels (RFID and non-RFID). Load supplies for peel or non-peel mode.
- ◆ Tags.
- ◆ Receipt paper (fax paper).

The printer has two print modes.

- ◆ Peel mode removes the backing paper from the supplies as it prints the labels. This mode allows you to apply the label immediately. It is only for labels. Press the trigger to print a label or the next label prints automatically when the previous one is removed.
- ◆ Non-Peel mode does not remove the backing paper. It is for supplies printed in a continuous strip.

Before printing, your System Administrator may need to set the sensor type; refer to the *System Administrator's Guide*.

Regularly check the battery's power, if it is low, switch to a fully charged battery. We recommend checking it when you load a new roll of supplies.

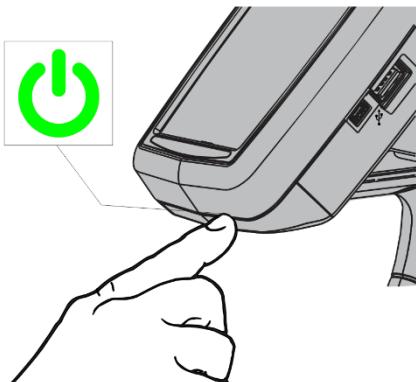


RFID Supplies can be damaged by static electricity. Ground yourself by touching metal before handling the RFID supplies.

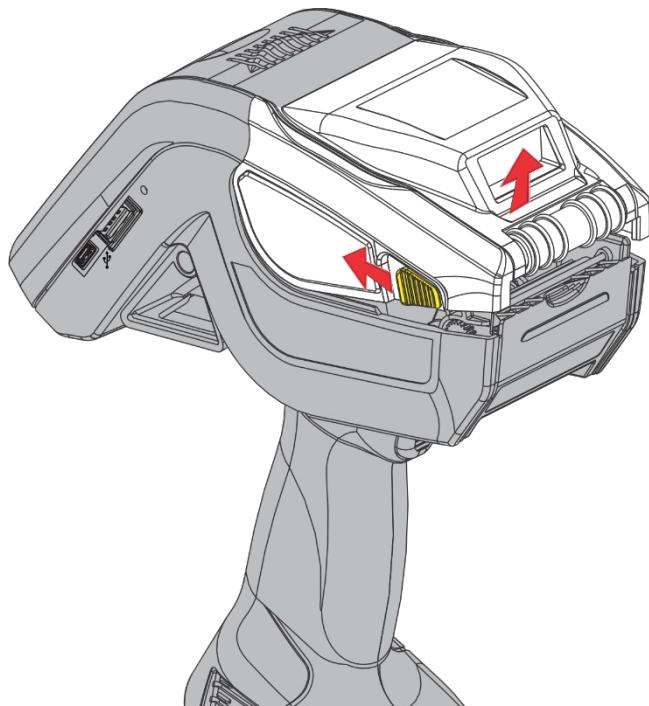
Loading Labels, Tags, or Receipt Paper

To load supplies:

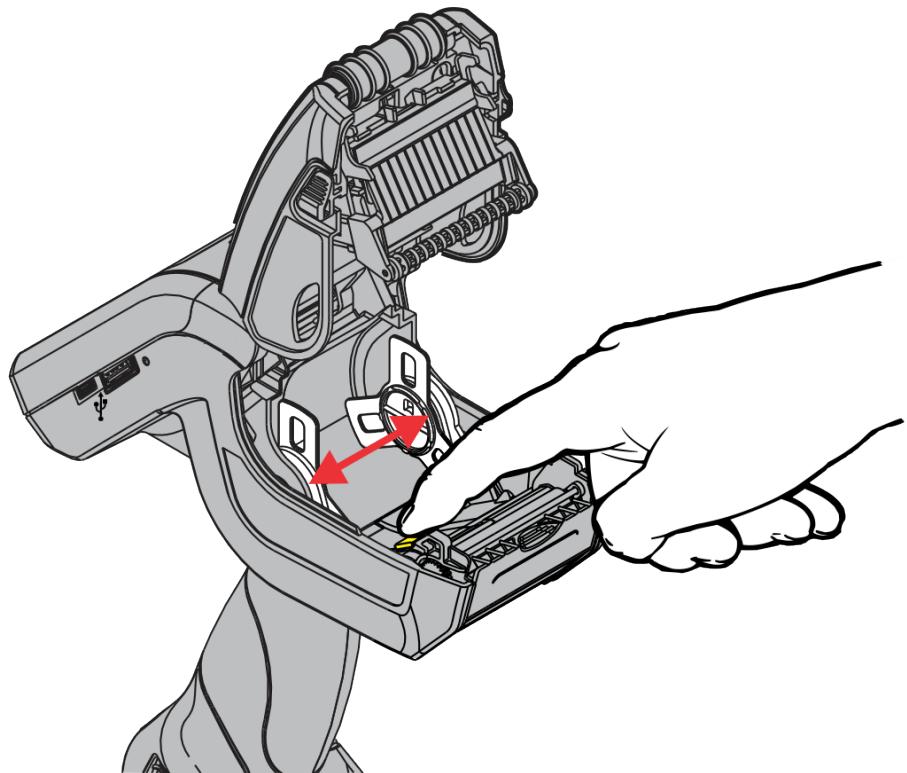
1. Turn on the printer. Swipe up the screen to unlock.



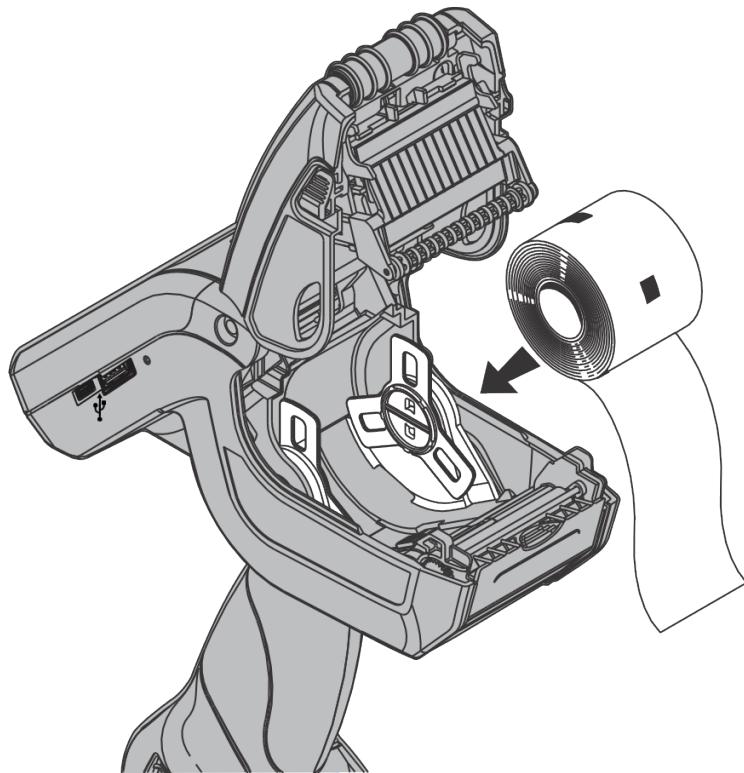
2. Push the latch buttons to open the supply cover.



3. Spread the supply holder tabs apart with one hand so it adjusts to the size of your supply roll.
4. Press the supply lock tab all the way down (towards the inside of the printer) to lock the supply holder at 1.2". Adjust it to the middle position to lock the supply holder at 1.5". Adjust it all the way up (towards the opening of the printer) to lock the supply holder at 2.0".



5. Place the supply roll in the supply holder so the supply unrolls from the bottom.



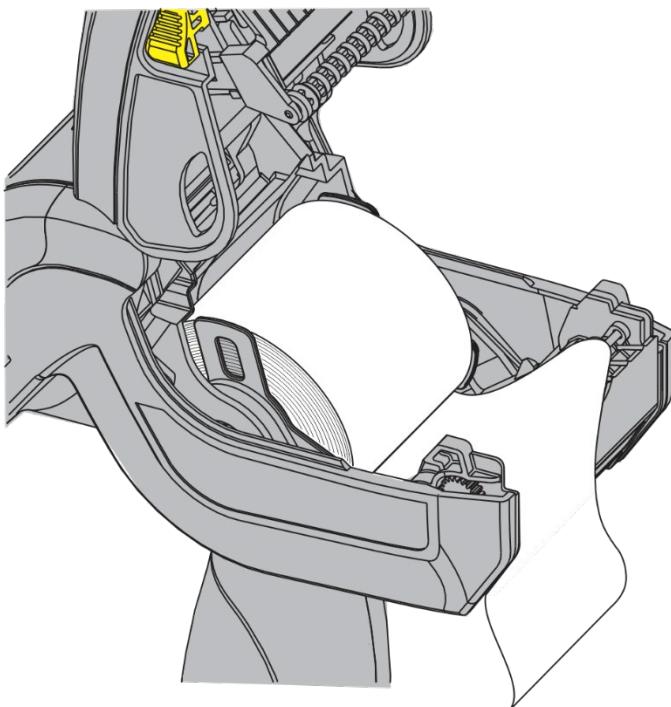
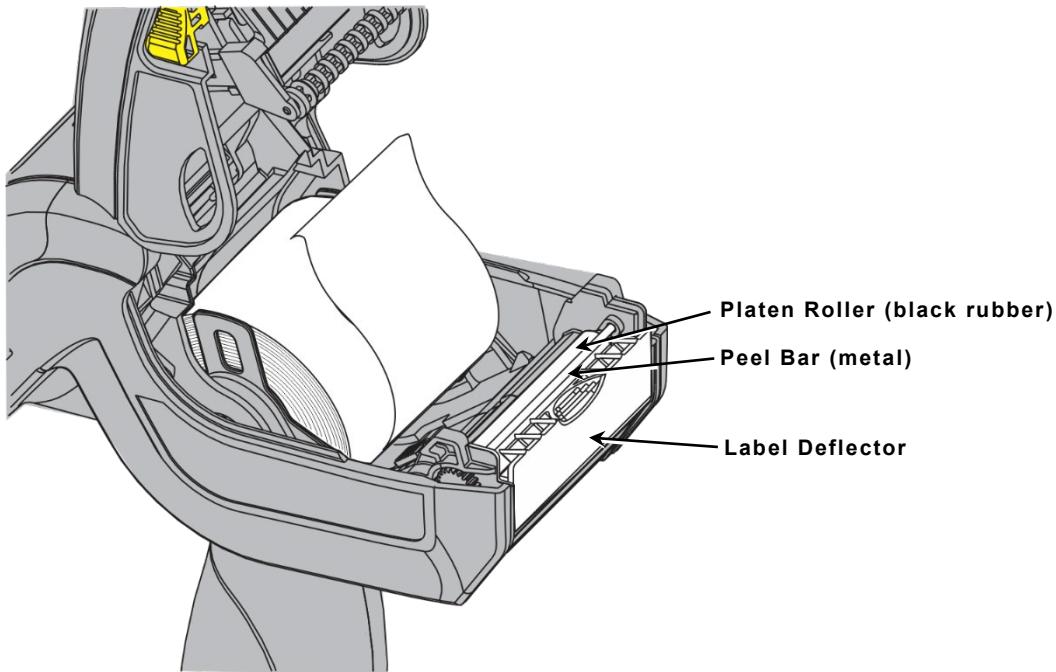
6. Continue loading supply for the printing mode you need: [peel](#) or [non-peel](#).

Loading for Non-Peel Mode

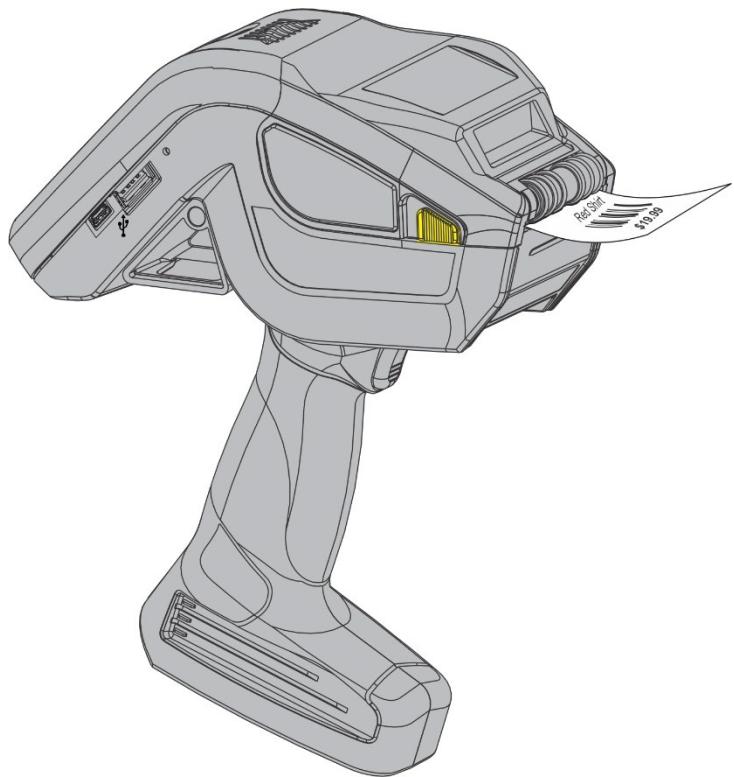
Non-Peel mode does not remove the backing paper – supplies are printed in a continuous strip.

Follow the steps in [Loading Labels, Tags, or Receipt Paper](#), then:

1. Feed the supply **over** the platen roller, peel bar, and label deflector.



2. Close the supply cover.



3. Calibrate the supply. See "[Calibrating the Supply](#)" for more information.

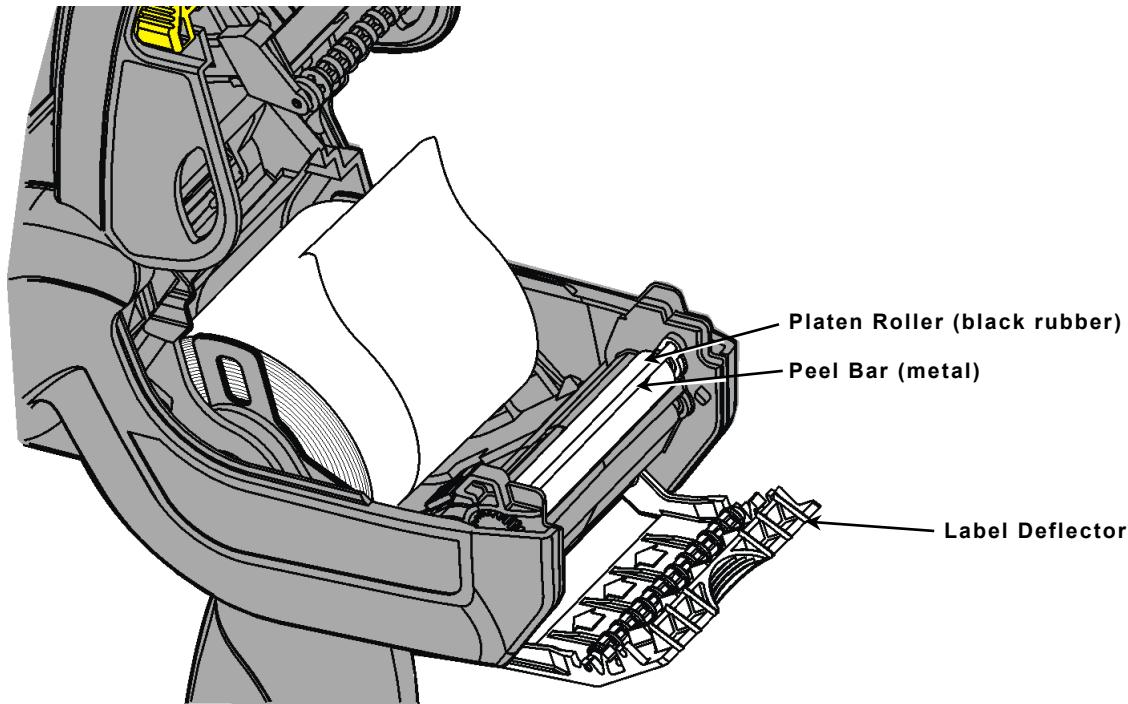
The printer is ready to print.

Loading for Peel Mode

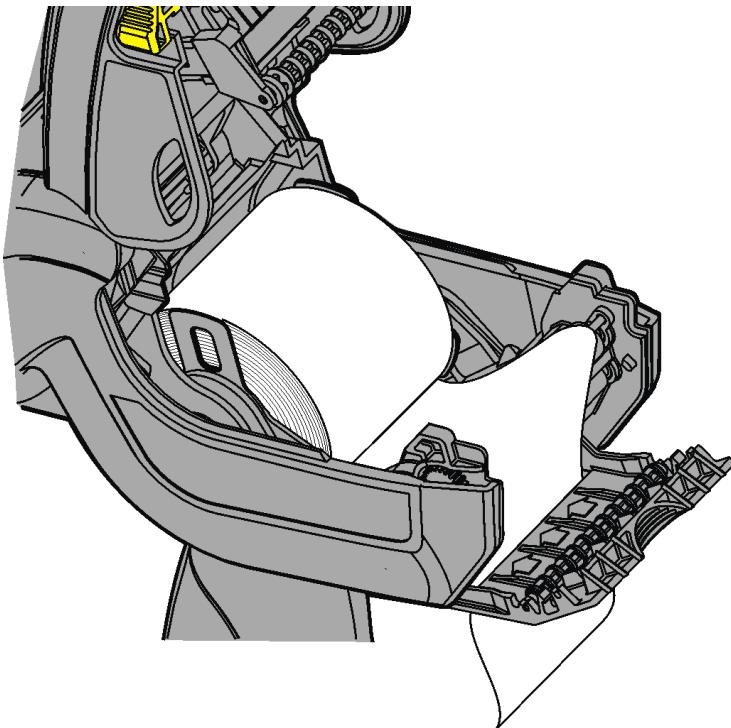
Peel mode removes the backing paper from the supplies while printing. Apply the label with steady pressure (not force).

Follow the steps in Loading Labels, Tags, or Receipt Paper, then:

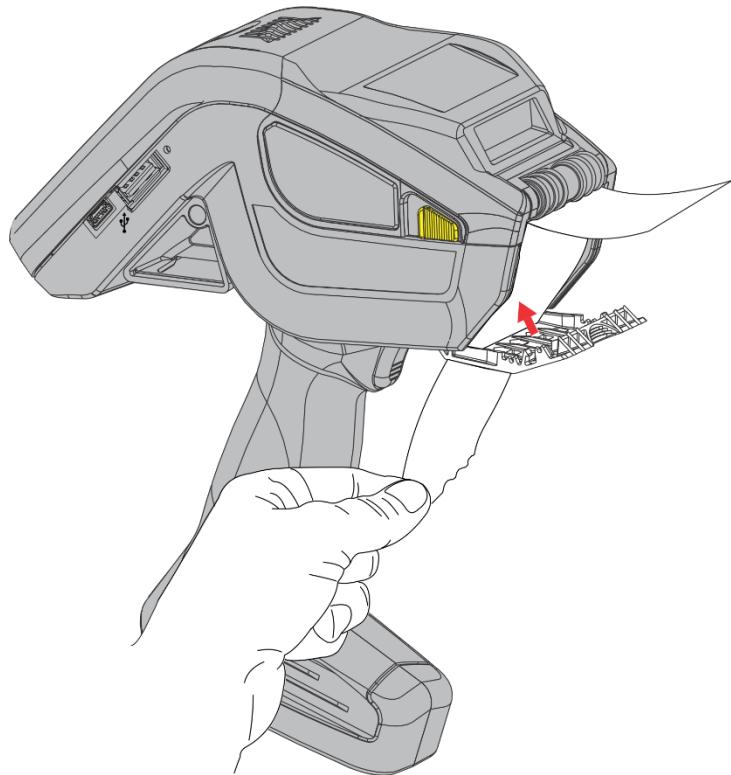
1. Peel and discard the first four inches of labels from the backing paper.
2. Hold the printer upright and gently push down on the label deflector.



3. Feed the backing paper **over** the peel bar and through the slot at the base of the label deflector.

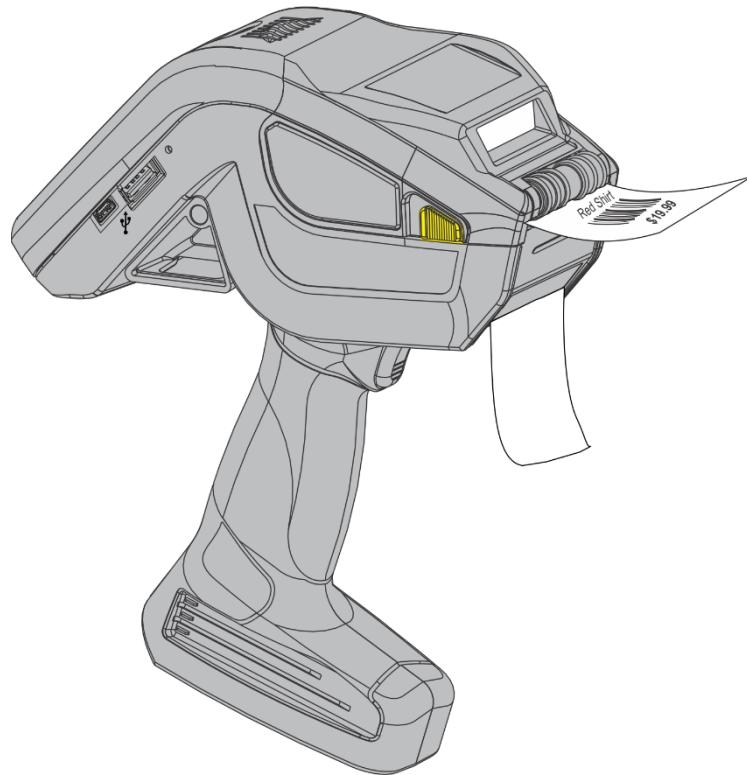


4. Close the supply cover.



5. Hold the backing paper and push up the label deflector until it snaps into place.

6. Close the supply cover.



7. Calibrate the supply. See "[Calibrating the Supply](#)" for more information.
The printer is ready to print.

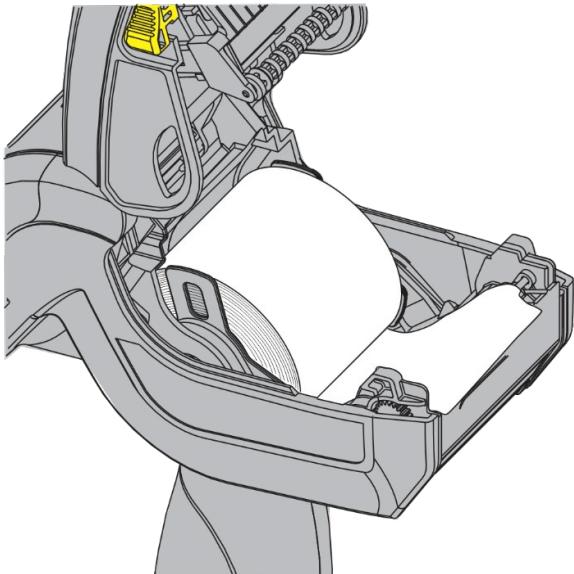
Calibrating the Supply

Calibrate the supply

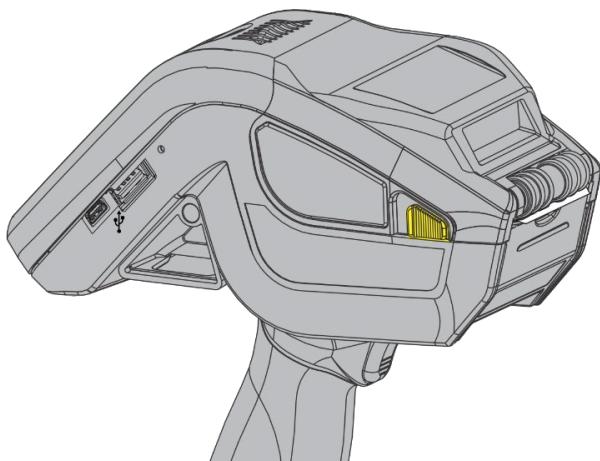
- ♦ on initial printer setup
- ♦ whenever the supply is changed (from black mark to die cut or vice versa)
- ♦ if using labels with a different color backing (besides white).

Your printer may have a custom application that automatically calibrates supply. The calibration technique is the same for **all** supply types. If the printer fails calibration, call Technical Support.

1. Open the printer and lay the supply over the label deflector. It does not matter if a black mark is over the black mark sensor or not.



2. Close the supply cover.



In the *Printer Setup Application*, select **Supply**, then **Calibrate Blackmark sensor** or **Calibrate On-Demand sensor**:

When calibrating the black mark sensor, three labels are used for calibration. The printer feeds a blank label, looking for the sense mark. The second label is used to verify the black mark. The third label prints a message if the calibration is successful.

When calibrating the on-demand sensor, the printer feeds a label looking for and calibrating the die cut. Then, the printer prints a message if the calibration is successful.

PRINTING & SCANNING

3

This chapter explains how to

- ◆ print labels
- ◆ scan barcodes
- ◆ print test labels.

Note: Before printing, your System Administrator may need to adjust the print contrast or print position. Refer to the *System Administrator's Guide* for more information. Your printer may have a custom application that automatically sets these values.

Printing

Solid black print cannot exceed 30% of any given square inch of the supply. Use a fully charged battery for printing. When and how you print depends on your printer's application. It may print

- ◆ only after you press a certain key
- ◆ automatically as soon as you squeeze the trigger
- ◆ automatically with no input from you
- ◆ one label or a strip of labels
- ◆ after you scan a barcode.

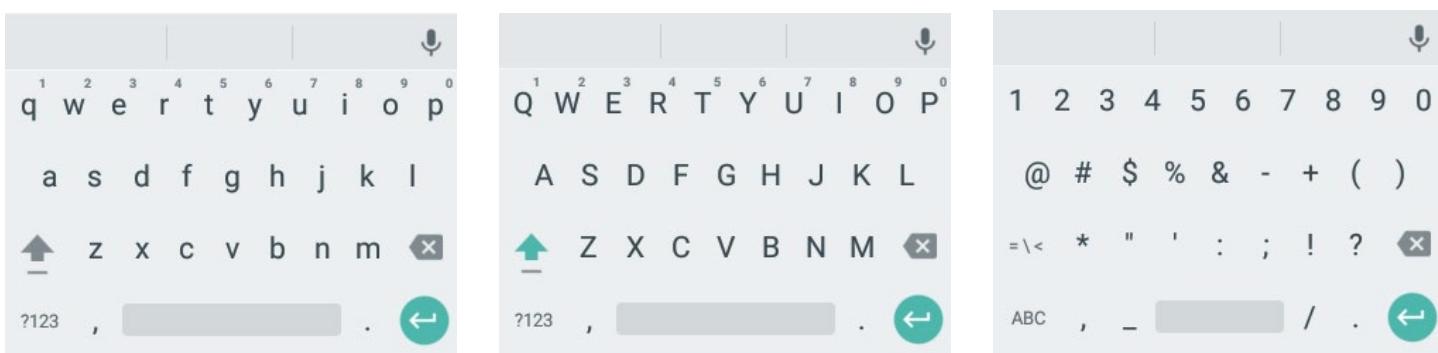
About RFID Supplies

RFID requires special settings to program (encode) the inlay. Your System Administrator should use the RFID Printer Setup Utility to determine the settings and enter them in the Printer Settings Application. Refer to the *System Administrator's Guide* for more information.

Note: Printing over the RFID inlay causes printing irregularity and may impact bar code print quality.

Entering Data

If your application requires you to enter data, the printer displays the standard keyboard.



Depending on your application, data may be entered or scanned.

Scanning Bar Codes

Your printer has a built-in two dimensional scanner.

To scan a bar code:

1. Point the scanner at a slight angle, approximately 4 – 8 inches from the bar code symbol.
2. Press the trigger or other key specified by your System Administrator.

Caution: **Do not stare into the beam.**

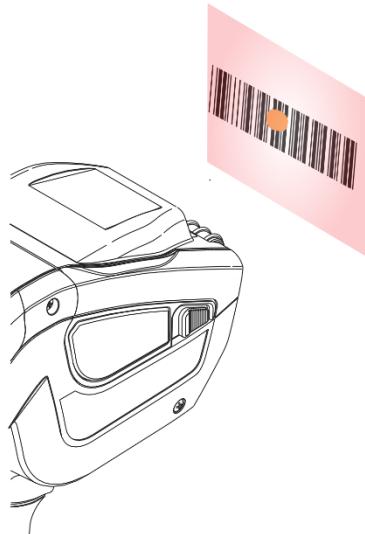
The scanner LED is above the display.

Scanner LED	Description
Green	Successful scan.
Yellow	Unsuccessful scan.

If the bar code does not scan:

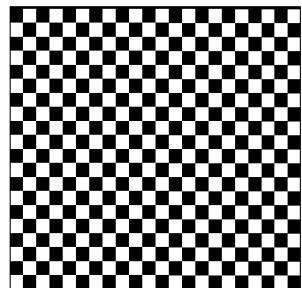
- ◆ Change the scanner's angle slightly and try again.
- ◆ Clean the scanner window. See "Cleaning" in Chapter 5 for more information.
- ◆ Move the scanner 4 – 8 inches away from the bar code. Adjust this distance as needed to find the correct distance.
- ◆ Try scanning another bar code that you have scanned successfully. If that scan is successful, the scanning problem is with the bar code.
- ◆ Move to a more dimly lit area.
- ◆ Ensure there are no voids (streaks) in the bar code symbol.

If the scan is still unsuccessful, ask your System Administrator to perform a scanner test.



Printing Test Labels

Several test label options are available in the *Printer Setup Application*. Before you run these tests, load the supply in Non-Peel mode.



Printing a Checkerboard Label

Select **Energy**, then **Print Checkerboard Label**. This label verifies the printhead strobes are working.

If the printed sample has fewer lines or no lines, keep the sample and call Technical Support.

Printing a Gray Scale Label

Select **Energy**, then **Print Gray Scale Label**. This label checks the uniformity of the printing. The printed sample should be uniformly gray across the supply.

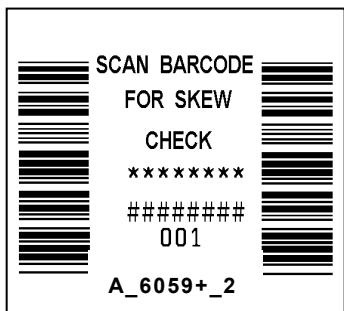
If you see voids, especially on the edges, keep the sample and call Technical Support.



Label with voids

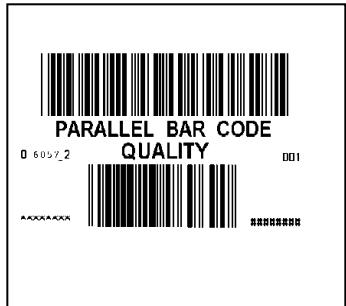
Printing a Serial Quality Label

Select **Energy**, then **Print Serial Quality Label**. This label prints serial bar codes for you to scan to check the quality of serial bar codes.



Printing a Parallel Quality Label

Select **Energy**, then **Print Parallel Quality Label**. A label prints parallel bar codes for you to scan to check the quality of parallel bar codes.



Printing a Diagnostic Label

Select Energy, then Print Diagnostic Label. The first information label shows the model number, core version, print engine version, total inches, battery voltage, and printhead dot information. The second information label shows the current sensor, supply position, contrast, speed, and network information.

M06059PBA2R Diagnostics Info	
Core Version	B1.08.00
Print Engine Version	P2.3.0.0.2
Total Inches	00000490
Hi-Energy Inches	00000000
Battery	8.156V (97%)
PH Dot Resist Avg	358
Bad Dot Count	0
Settings Diagnostics Info	
Sensor	Black Mark
Supply Position	0
Contrast	0
Speed	Default (2.0 IPS)
Network Diagnostics Info	
IP Address	000.000.000.000
MAC Wired	
MAC Wireless	00:00:00:0A:40:7E

Printing an RFID Diagnostic Label

Select **Energy**, then **Print RFID Diagnostic Label**. The RFID diagnostic label displays the module type, read and write power settings and the region.

RFID Diagnostics	
RFID Module	1.6.8.240
Read Power	-15
Write Power	-15
RFID Region	ETSI

This chapter tells you how to

- ◆ store the printer
- ◆ clear supply jams
- ◆ clean the printhead, platen roller, sensors, and scanner window.

Storing the Printer

The recommended storage temperature is listed in Appendix A. **Do not** store the printer in or near

- ◆ magnetic fields
- ◆ wet, damp, dirty, or duty areas
- ◆ areas of intense vibration or shock.

Clearing Supply Jams

To clear a supply jam:

1. Turn off the printer and completely open the supply cover.
2. Open the label deflector by gently pushing down on the label deflector.
3. Remove the supplies.
4. Carefully remove any jammed supply. **Do not** pull the jammed supply out through the front of the label deflector. **Do not** use sharp objects to remove jammed supplies.
5. Clean any adhesive build-up.
6. Reload the supplies, close the supply cover, and close the label deflector.

Cleaning

Do not use sharp objects or household cleaners to clean the printer. Clean the exterior, printhead, platen roller, and black mark sensor:

- ◆ when there is any adhesive build-up in the supply path.
- ◆ after using 7-10 rolls of supplies.
- ◆ when printing in extreme temperatures, humid conditions, or a dirty environment.
- ◆ after clearing a supply jam.
- ◆ if there are voids or streaking in the print as shown.



Cleaning the Exterior

Clean the printer's exterior using an Isopropyl Alcohol and deionized water mixture; we recommend pre-moistened wipes.

Do not use other detergents/cleansers, they can deteriorate plastics and cause printer failure.

Do not spray liquids on the printer, it can get inside and damage electronics.

Improper cleaning methods and materials can cause failures, which are not covered under warranty.

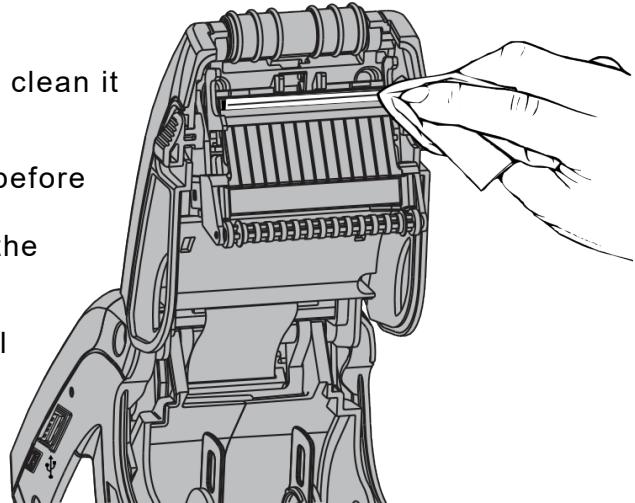
Cleaning the Printhead

The following actions may damage the printhead:

- ◆ **Do not** use silicone to clean or lubricate.
- ◆ **Do not** use sharp objects to remove adhesive or label particles from the printhead area.
- ◆ **Do not** touch the printhead with your fingers.

To clean the printhead:

1. Turn off the printer.
2. Open the supply cover and remove the supplies.
3. Check the supply holder for adhesive buildup and clean it if necessary.
4. Clean the printhead area of all adhesive and label pieces using a Cleaning Pen or a soft cloth moistened with isopropyl alcohol. Let the printhead dry.
5. Reload the supply roll and close the supply cover.
6. Turn on the printer.



Cleaning the Platen, Liner Drive, and Pinch Rollers

Clean these rollers when you see adhesive build-up or when a label is wrapped around them.

1. Turn off the printer, open the supply cover, and open the label deflector.

2. Remove the supplies.

3. Hold the printer upright and gently push down on the label deflector. It may be stiff.

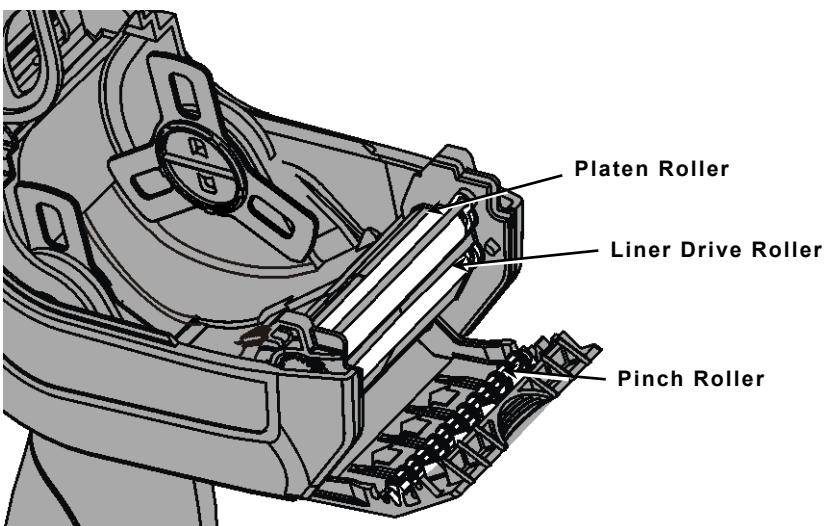
4. Use a dry, soft-bristle brush, such as a toothbrush, to clean the rollers.

If the brush does not remove all adhesive, moisten a cotton swab with isopropyl alcohol and run the cotton swab across the roller.

Wait a few minutes for the printer to dry.

5. Reload the supplies, close the label deflector and supply cover.

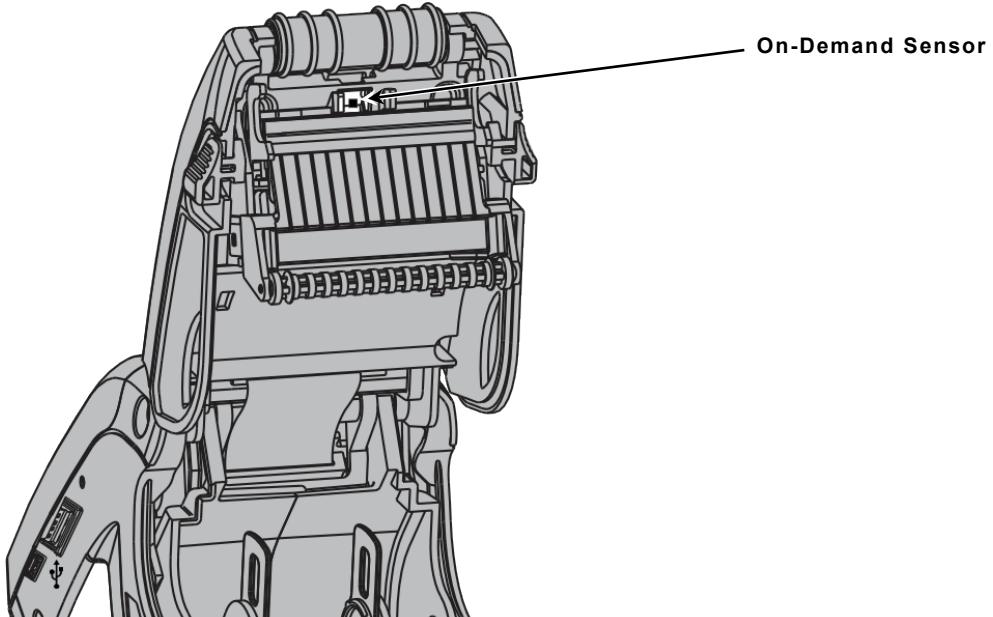
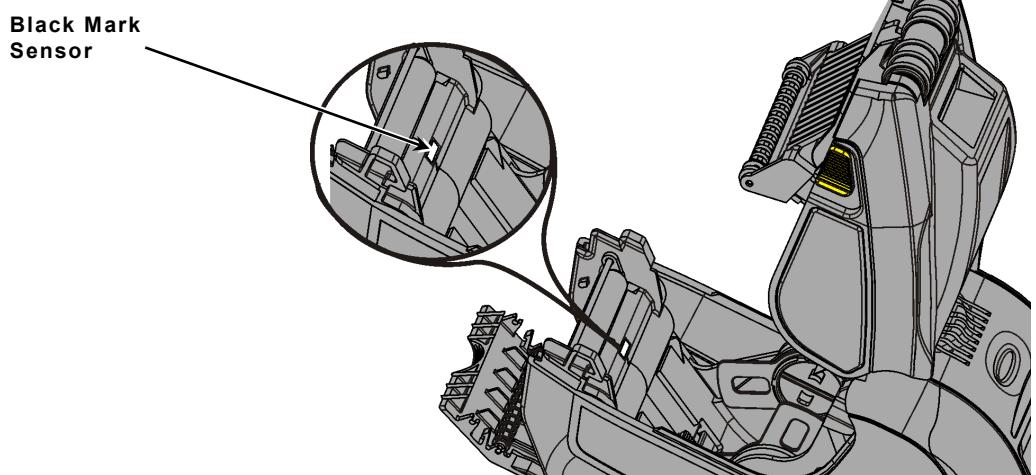
6. Turn on the printer.



Cleaning the Supply Sensors

To clean the supply sensors:

1. Turn off the printer and open the supply cover.
2. Remove the supplies.
3. Open the label deflector by gently pushing down on the label deflector.
4. Clean the black mark sensor and on-demand sensor with a dry cotton swab.
5. Reload the supplies.

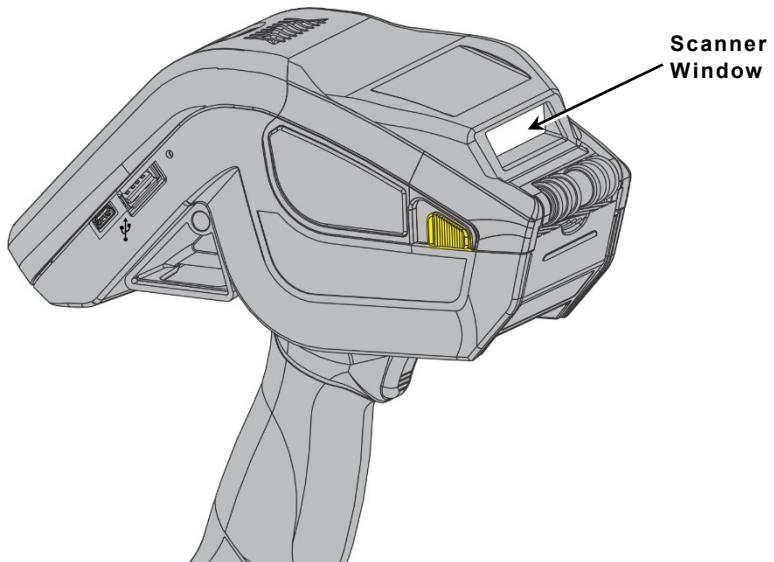


6. Close the supply cover and the label deflector.

Cleaning the Display Screen and Scanner Window

Make sure the printer is turned off when cleaning the display and scanner window. Slightly dampen a soft cloth with distilled water and *gently* wipe the display and the scanner window.

Do not use household cleaners on the display or scanner window.
Do not press too hard on the scanner window – it may move or crack.



TROUBLESHOOTING

5

This chapter lists some common printer problems and their solutions.

Problem	Solution
Printer does not feed.	Switch to a fully charged battery. Close the supply cover completely. Load the supply correctly. See Chapter 2, “ Loading Supplies ” for more information. Check the platen roller for jammed labels. Make sure the pinch roller is in place.
Printer does not print.	Switch to a fully charged battery. Load the supply correctly. See Chapter 2, “ Loading Supplies ” for more information. Clean the printhead. See “ Cleaning the Printhead ” for more information.
Print has voids or is too light.	Load the supply correctly. See Chapter 2, “ Loading Supplies ” for more information. Close the supply cover completely. Switch to a fully charged battery. Clean the printhead. See “ Cleaning the Printhead ” for more information. Check the supply for damage or defects.
Printer partially prints on the supply and fails to respond to the keypad or trigger.	Load the supply correctly or load new supplies, if necessary. See Chapter 2, “ Loading Supplies ” for more information. Clear any supply jams. Clean the printhead. See “ Cleaning the Printhead ” for more information. Switch to a fully charged battery.
Scanner does not scan a bar code.	See “ Scanning Bar Codes ” for more information.
The display does not turn on.	Make sure the power is on. Switch to a fully charged battery.
A label with an overstrike pattern prints.	The RFID inlay failed to encode. See your System Administrator.

This section lists common error codes and their descriptions.

Code(s)	Description
004 - 005	Supply size is incorrect. Load the correct supplies.
267 – 271 410 - 413	Communication error. See your System Administrator.
703 - 704	Supply Error. Load supplies or make sure they are loaded correctly. See Chapter 2, " Loading Supplies " for more information.
706	Remove any jammed supplies. See " Clearing Supply Jams " for more information. If the supply is not jammed or you have removed the jam, and the error continues, see your System Administrator.
727 - 744	RFID Errors. See your System Administrator. When the printer cannot program an inlay, it prints an overstrike pattern on the label. The overstrike pattern prevents someone from using a bad label.
750	Printhead is overheated. Turn off the printer to let it cool.
751 - 753	The printer sensed a problem with a mark on the supplies. Check the supplies to see if they are loaded correctly.
756	The printer is out of supplies. Load supplies. See Chapter 2, " Loading Supplies " for more information.
757	The calibrated supply length differs by plus or minus .25 inches from the format. Load supplies.
758	Check supply. Remove any printed labels. Check for a label jam. Clear the supply path or reload supplies.
762	Low battery. Recharge the battery. See " Charging the Battery " for more information.
763	Waiting to dispense label. Press the trigger.
768	Printhead error. See your System Administrator.
790 - 791	The printer is busy or has an error pending. Turn off the printer, wait two seconds, and then turn it back on.
904 – 911	System error. See your System Administrator.
SYSTEM ERROR VECTOR ##	System error. See your System Administrator.

Technical Support

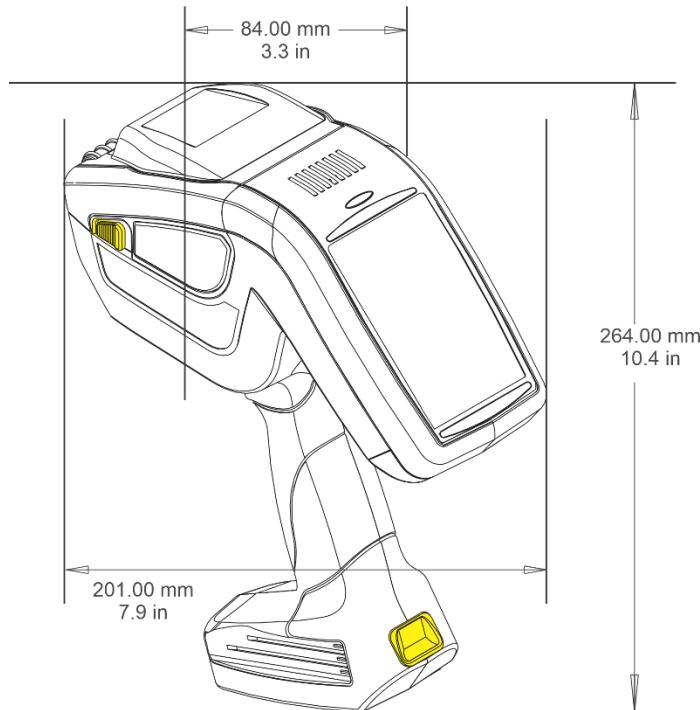
If these solutions do not work or you have a problem or error code not listed, see your System Administrator or call Technical Support. Before calling Technical Support, print a test label.

SPECIFICATIONS & ACCESSORIES

A

Printer Specifications

Dimensions: Width – 3.3" (84 mm)
 Height – 10.4" (264 mm)
 Depth – 7.9" (201 mm)



Weight: Weight – 2.0 lbs. (908 g) no supply or battery
 Shipping Weight – 5.9 lbs. (2.6 kg)

Display: Capacitive touch

Printhead: 1.89" (48mm/384 dots) (203 dots per inch)

Printing: Thermal direct
 (no ink /ribbon)

Print Speed: Up to 4" (101.6 mm) per second

Memory: 2 GB RAM; 4 GB NAND Flash

Operating Temp.: 40°F – 110°F (4°C – 43°C)

**Humidity
(Operating &
Storage):** 5% – 90% non-condensing

Radio Specifications

Radio	802.11 a/b/g/n/ac WLAN plus Bluetooth 5.0 dual mode
Bands	2.4GHz and 5GHz RF Bands

Bluetooth Specifications

Version	802.11 a/b/g/n/ac WLAN plus Bluetooth 5.0 dual mode
Band	2.4GHz Band

RFID Specifications

Antenna	900 MHz to 930 MHz band (FCC)
Frequency Bands	865 MHz to 869 MHz band (European Union)

Supply Specifications

Supply Sizes:	Widths: 1.2", 1.5", and 2.0" (30mm, 38mm, and 51mm) adjustable between 1.2 – 2.0" (30 mm – 51 mm)
	Lengths .55" – 8.0" (14mm –203mm)
	Peel mode supports .785" (20 mm) or greater lengths.
	Non-Peel mode supports .55" (14mm) or greater lengths.

Accessories

The following accessories are available:

Part Number	Description
M09462	Single-Station Battery Charger
M09465	Four-Station Battery Charger
M06054	Network Control Module Use one module with up to four 6055 Docking modules
M06055	Docking Module Connects to the Network Control Module. Holds the printer, charges the battery while inside the printer, and allows Ethernet communication with the printer.
130606	Deluxe Hand Strap
130605	Shoulder Strap
130604	Petite Wrist Strap
135401	USB 3.0 cable, USB type A male to USB type C male, 3ft
114226	Cleaning Pen
135229	Standard Extra Battery
135101	Smart Extra Battery



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Fax +(44) 1628 859567

ASIA PACIFIC

NEW SOUTH WALES

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Fax +(02) 9647 1914
Toll free (Outside Sydney only)

<https://identificationsolutions.averydennison.com/>

REGULATORY COMPLIANCE INFORMATION

EN

This document is for the Avery Dennison® Pathfinder® 6059P (6059+) Printer.

Avery Dennison products are designed to be compliant with the rules and regulations in the locations into which they are sold and will be labeled as required. Any changes or modifications to Avery Dennison equipment not expressly approved by Avery Dennison could void the user authority to operate the equipment.

FCC Regulations – Class B

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the Federal Communications Commissions Rules and Regulation. 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 responsible for correction. However, there is no guarantee that interference will not occur in a particular installation.

If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ♦ Re-orient or relocate the receiving antenna.
- ♦ Increase the separation between the equipment and receiver.
- ♦ Connect the equipment into an outlet on a circuit different from that which the receiver is connected.

This Class B digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada.

FCC Regulations – Class B (with Optional Radio)

CAUTION : Any 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.

IMPORTANT NOTICE: FCC Radiation Exposure Statement:

SAR compliance for portable use conditions has been evaluated as described in this filing. The device is co-located with RFID with FCC ID:GU6-R3100C

This transmitter is restricted to indoor use only within the 2.400 – 2.500 GHz (b/g/n) and 4.915 – 5.825 GHz (a/n/ac) bands.

	<p>Caution: This 802.11 a/b/g/n/ac WLAN plus Bluetooth 4.2 dual mode printer is approved for use in all EU and EFTA countries. For more information, refer to the printer's Declaration of Conformity.</p>
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California Proposition 65

⚠ WARNING: This product may expose you to chemicals, including but not limited to: Formaldehyde, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to <https://www.p65warnings.ca.gov/>.

This statement applies to Avery Dennison® Monarch® Barcode Printers, effective August 31, 2018.

RFID Regulatory Compliance Information (if installed)

WARNING: The Federal Communications Commission warns that changes or modifications of the radio module within this device not expressly approved by the manufacturer could void the user's authority to operate the equipment.

SAR compliance for portable use conditions has been evaluated as described in this filing. This device is co-located with FCC ID: GU6-SDPAC

This transmitter is restricted to indoor use only within the 900 to 930 MHz or 865 MHz to 869 MHz bands.

IMPORTANT NOTICE:

This RFID Printer is authorized for use in all EU and EFTA member states. For more information, refer to the printer's Declaration of Conformity.

European Economic Area

The printer server and wireless technology embedded 802.11a/b/g/n/ac comply with the criteria required for computer class B materials and other relevant provisions of Directive 1999/5 / EC. The limits of Class B devices have been adapted for typical commercial environments to provide reasonable protection against interference with licensed communication devices. The internal function is a radio device using a frequency band of 2.4 GHz (2.400 GHz - 2.4835 GHz). It is designed for wireless communication with other devices enabled 802.11a/b/g/n/ac in an enclosed area.

The use of 802.11a/b/g/n/ac technology may be restricted in some countries. Before using 802.11x devices, it is necessary to report to local agencies responsible for frequency management on where you plan to use. Many countries do not allow their use in closed environments. To prevent radio interference suffered by the licensed service, this device is designed to operate in an enclosed area and away from windows to provide maximum protection. The European variant is intended for use throughout the European Economic Area. However, authorization for use is restricted as follows:

- The European standards require maximum radiation power of 100 mW EIRP and frequency range 2.400 - 2.4835 GHz.
- In France, the equipment is reduced to a frequency range of 2.4465 to 2.4835 GHz.
- In Belgium outside, the equipment is reduced to a frequency range of 2.460 to 2.4835 GHz.
- In Italy, the use of the equipment requires a license.

	IMPORTANT NOTICE : The use of this RFID printer is authorized in all Member States of the EU and EFTA countries, with certain usage restrictions.
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INDUSTRY CANADA

CAN ICES-3(B)

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter IC: 1502A-SDPAC has been approved by Industry Canada to operate with the antenna types listed in the corresponding IC certificate with the maximum permissible gain and required antenna impedance for each antenna type indicated. Alterations to the antenna in any way is strictly forbidden and will invalidate any associated IC certification.

Maximum Antenna Gain – if the integrator configures the device such that the antenna is detectable from the host product.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

Industry Canada - RF Radiation Hazard Warning

SAR compliance for portable use conditions has been evaluated as described in this filing. This device is co-located with IC ID: 1502A-SDPAC

ETL Standard Conformance Statement

This product has been tested and was found to conform to UL/CSA 62368-1
Audio/Video, Information And Communication Technology Equipment - Part 1:
Safety Requirements.



Intertek

5018828
5011798
5013109

Complies with
IMDA Standards
Da103787

Conforms to UL Standard 62368-1

Certified to CSA Standard 62368-1

INDUSTRIE CANADA

CAN ICES-3(B)

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent émetteur radio IC : 1502A-SDPAC a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérées dans le certificat IC correspondant et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Toute modification à l'antenne est strictement interdite et annule toute certification IC associée.

Gain maximal de l'antenne - si l'intégrateur configure le dispositif de telle sorte que l'antenne est détectable à partir du produit hôte.

Cet appareil est conforme aux normes d'exemption de licence CNR d'Industrie Canada. L'utilisation de cet équipement est soumise aux deux conditions suivantes : 1) l'appareil ne doit pas produire de brouillage, et 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Industrie Canada - Avertissement de danger d'exposition aux rayonnements RF

La conformité DAS pour une utilisation portable a été évaluée comme décrit dans ce dossier. Cet appareil est situé au même endroit que l'appareil IC ID : 1502A-SDPAC.