

Honeywell

PC41E-D/PC42E-D

Desktop Printers



User Guide

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Customer Support

Technical Assistance

To search our knowledge base for a solution or to log into the Technical Support portal and report a problem, go to honeywell.com/PSSTechnicalsupport.

Product Service and Repair

Honeywell International Inc. provides service for all of its products through service centers throughout the world. Go to automation.honeywell.com and select **Support** to find a service center near you or to get a Return Material Authorization number (RMA #) before returning a product.

Limited Warranty

For warranty information, go to automation.honeywell.com and select **Support > Productivity Solutions > Warranties**.

Honeywell recommends that customers update/upgrade to the latest then-current release version of the software offerings whenever they are made publicly available in order to receive the latest security patches for known vulnerabilities. Any download of, installation of, or access to any older versions of the software offerings or any downgrading from the then-current version of our software offerings by you shall be at your own risk.

Safety Warnings



Warning: Moving parts are exposed when the cover is open. Make sure the cover is closed before you operate the printer.



Warning: The printhead/motor may be hot. Allow the printhead/motor to cool.



Warning: Do not put your fingers inside the print mechanism when the power is on.



Warning: The tear bar contains sharp edges. Keep fingers and other body parts away from the tear bar.



Warning: This printer contains a coin battery that is NOT user replaceable. The printer is not suitable for use in locations where children are likely to be present.

Never put batteries in your mouth as swallowing may lead to serious injury or death. If swallowed, seek medical attention immediately from a physician or local poison control center.



Caution: Read and review the warnings in this manual carefully before connecting the printer.



Caution: Observe all safety and accident prevention regulations applicable to your specific region and application.



Caution: Do not spray the printer with water. If you are using a host to clean the premises in an industrial environment, remove the printer or protect it carefully from spray and moisture.



Caution: You must implement both hardware and software safety precautions to prevent the possibility of undefined system states.



Caution: You must make sure that dangerous conditions cannot occur under any circumstances, even for a brief period of time.



Caution: Carefully read the warning text on the envelope before using a cleaning card.



Caution: To reduce the risk of electric shock or fire, keep the cover closed and turn off the printer when not in use. No user-serviceable parts inside.

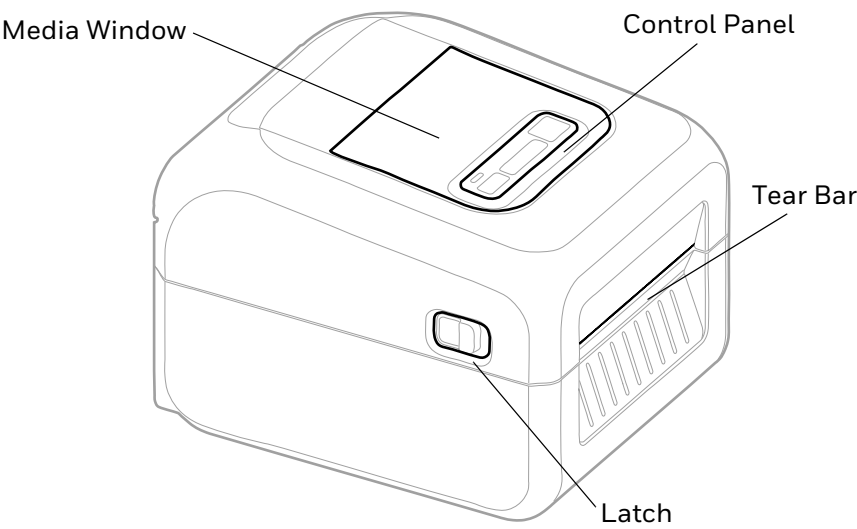
ABOUT THE PRINTER FEATURES

The PC41E-D/PC42E-D desktop printers, built on Honeywell's Printer Edge™ platform, are lightweight, reliable, and easy to use. They are designed to print up to 1000 labels a day.

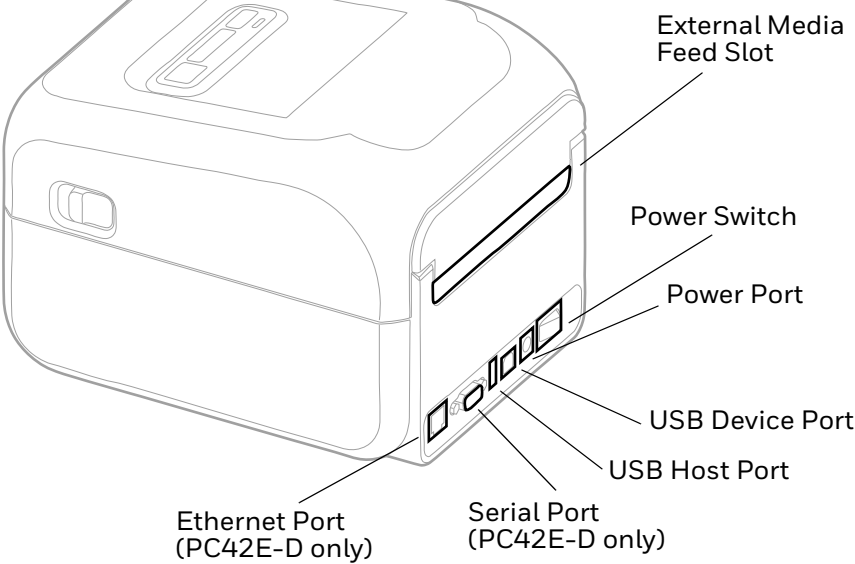
Features

- 203 dpi (6 ips) or 300 dpi (6 ips) printing. At 203 dpi, some high quality media can print at 8 ips.
- USB host port for connecting storage devices, scanners, or keyboards.
- USB device port for connecting to a desktop PC.
- Ethernet interface (PC42E-D only).
- Serial port (PC42E-D only).
- Optional Wi-Fi and Bluetooth (PC42E-D only).
- Honeywell PrintSet 5 or greater and Print Set MC support.
- Support for printer programming languages, including Datamax Printer Language (DPL), Direct PDF Printing, Direct Protocol (DP), Eltron Simulation (ESim), Fingerprint (FP), Intermec Printer Language (IPL), TEC Printer Command Language (TPCL), and Zebra Simulation (ZSim).
- Honeywell Operational Intelligence support for print optimization.
- Optional cutter and peeler modules for labels (PC42E-D only).

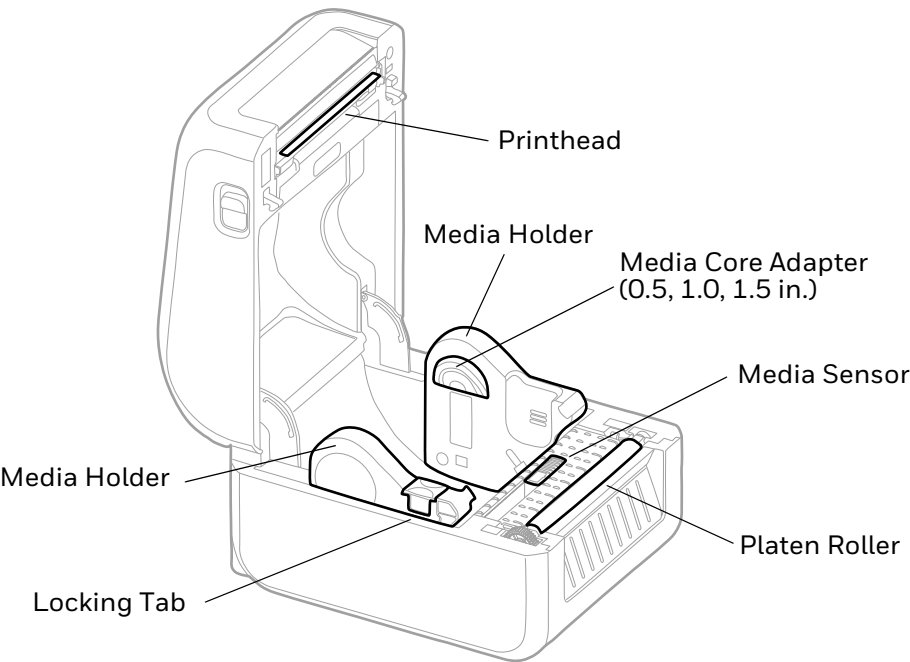
Front View



Back View

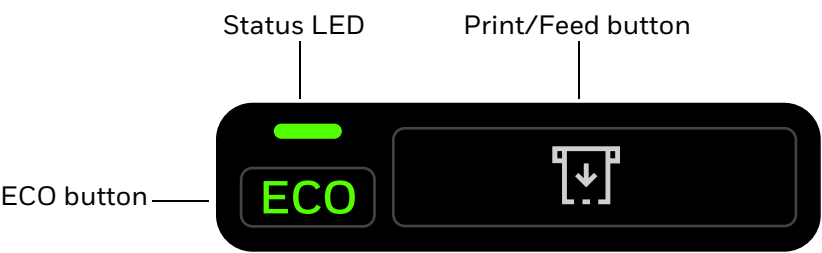


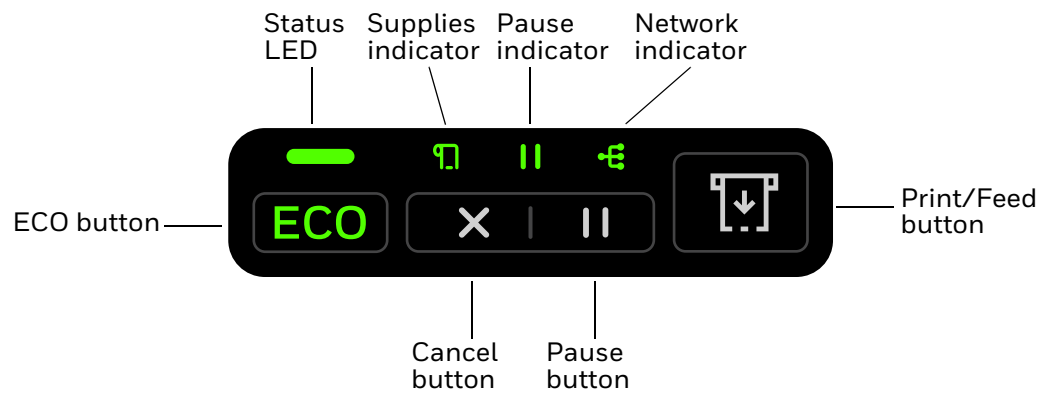
Internal View



Control Panel

PC41E-D





About the Print/Feed Button

Use the **Print/Feed** button to feed and calibrate media. For the PC41E-D, you can also use the button to pause and cancel print jobs

Print/Feed Button Action	Description
Press and hold the Print/Feed button (while the printer is starting up)	The printer calibrates the media, prints a configuration label, and then lets you select the printer command language. Press the Print/Feed button when the printer command language you want to use prints out.
Press and hold the Print/Feed button for two seconds and then release (when the printer is idle)	The printer prints out several labels to calibrate the media sensor (testfeed).
Press and hold the Print/Feed button for six seconds (when the printer is idle)	The printer prints out several labels (testfeed) and then prints the configuration label.
Press and release the Print/Feed button	If the printer is idle, the printer advances media to the beginning of the next label. PC41E-D only: • If a print job is active, printing pauses. • If the printer is paused, printing resumes.
Press and hold the Print/Feed button for three seconds (PC41E-D only)	If the printer is paused, the current print job is canceled, and any remaining print jobs continue printing.

About the ECO Button

Press the **ECO** button to turn ECO mode on and off.

ECO Button State	Description
Green (on)	ECO mode is on. The fast media calibration feature is active and the printer media calibration process will use a minimal length of labels. Use ECO mode to conserve media.
Blank (off)	ECO mode is off. The slow media calibration feature is active and the printer media calibration process will use the length of multiple labels. Use slow calibration if the printer has trouble identifying gaps or marks in media.

About the Status LED

The **Status** LED turns green, amber, or red to indicate the current status of the printer.

LED State	Description
Off	Power is turned off.
Green	The printer is idle and waiting for the next print job.
Green (blinking) (PC41E-D only)	The printer is starting up. Printing is paused. Press the Print/Feed button to resume printing or press and hold the Print/Feed button for three seconds to cancel the print job.
Green (blinking from start up)	The printer is experiencing a memory error. You need to upgrade the firmware. For help, see Upgrade the Firmware on page 26.
Green (blinking with Green Network indicator) (PC42E-D only)	Data is being transferred by Wi-Fi or Ethernet.
Green (blinking fast)	The printer is communicating. The simulator (ZSim and ESim) is starting up.
Green (blinking slow)	In peel off mode, a printed label is available in the output slot. The printer will not print another label until the label in the output slot is removed.
Amber (PC41E-D only)	The printhead is too hot. Wait for the printhead to cool down to an acceptable temperature before it can resume printing.
Amber (blinking)	The printer is upgrading its firmware from an inserted USB flash drive. Remove the USB flash drive after the LED turns solid green.
Amber (blinking slow)	The print job includes a font that is not installed or includes a location that is outside the available print area.

LED State	Description
Red (blinking)	The printer is in Error mode. The printer may be out of media, have the printhead lifted, have a label obstructing the printing path, or you may not have performed a testfeed (hold Print/Feed button until several labels print). After you have fixed the error, printing will resume automatically.
Red (blinking with blinking red Pause indicator) (PC42E-D only)	Printhead over temperature. Requires cooling the printhead and printer restart.
Red and Green (blinking alternately)	The printer is experiencing a hardware issue. Return the printer to Honeywell for service. For help, see Product Service and Repair on page iii.

About the Pause Indicator

PC42E-D only. Use the **Pause** indicator to monitor paused print jobs and printhead status.

Pause Indicator State	Description
Amber	The printer is paused. Print, label feed (advance), and other label processes are suspended until the pause state is removed by pressing the Pause button.
Red (blinking with blinking Red Status LED)	Printhead over temperature. Requires cooling the printhead and printer restart.

About the Pause Button

PC42E-D only. Use the **Pause** button to pause print jobs.

Pause Button Action	Description
Press the Pause button during a print job	Pauses the printer. The printer completes printing the current label before it pauses.
Press the Pause button while the printer is paused	The printer returns to normal operation. If printing a multi-label (form/format) job or another print job is in the print queue, the printer resumes printing.

About the Cancel Button

PC42E-D only. Use the **Cancel** button to cancel print jobs.

Note: The **Cancel** button is available only when the printer is in pause state.

Cancel Button Action	Description
Press the Cancel button	The printer cancels the current job in the print queue.
Press and hold the Cancel button for two seconds	The printer cancels all jobs in the print queue.

About the Network Indicator

PC42E-D only. Use the **Network** indicator to monitor the status of Wi-Fi (WLAN) and Ethernet (LAN) connectivity.

Network Indicator State	Description
Green	10/100 Ethernet (LAN) connection detected or Wi-Fi (WLAN) has a strong signal and is connected.
Green (blinking with blinking Green Status LED)	Data is being transferred by Wi-Fi or Ethernet.
Green (blinking)	Wi-Fi (WLAN) is connected, but has a weak signal.
Red	Ethernet (LAN) or Wi-Fi (WLAN) fault.

About the Supplies Indicator

PC42E-D only. Use the **Supplies** indicator to monitor the status of print media.

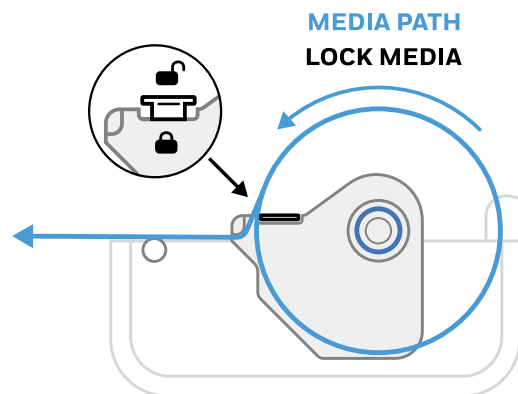
Supplies Indicator State	Description
Amber (blinking)	Media is low.
Red	Media is out.

About Media

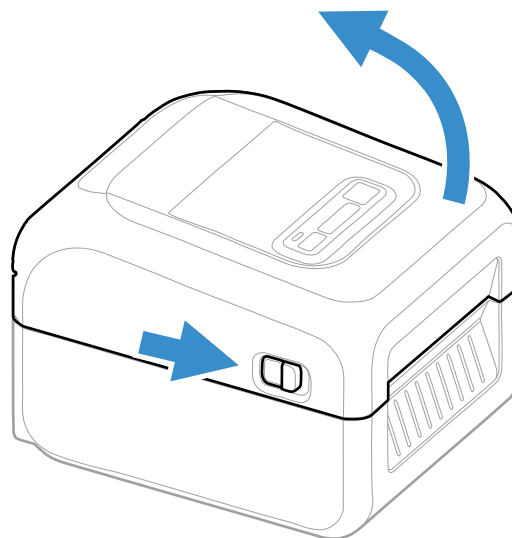
The printer can print on labels, tags, and continuous (receipt and lined) media. The printer supports direct thermal media. The printer supports media from 1 to 4.48 inches (25.4 to 114 mm) wide.

Load Tear-Off Media

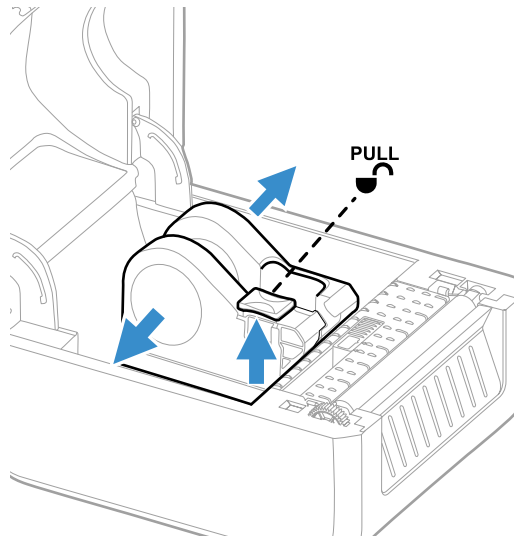
For tear-off printing, you manually tear off the media upward against the tear bar.



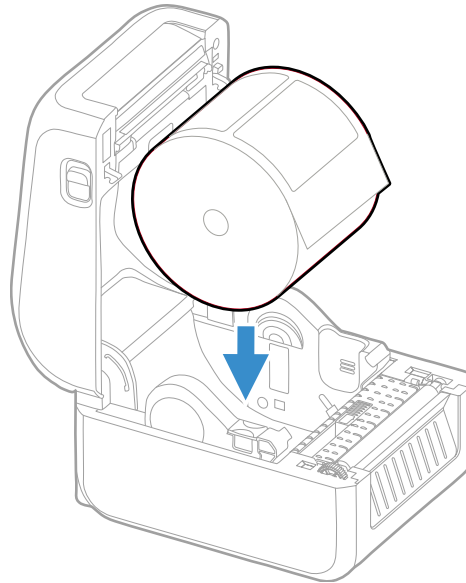
1. Push the cover latches towards the front of the printer and open the cover.



2. Pull up the lock on the left media holder and slide the media holders to accommodate the width of the media roll.

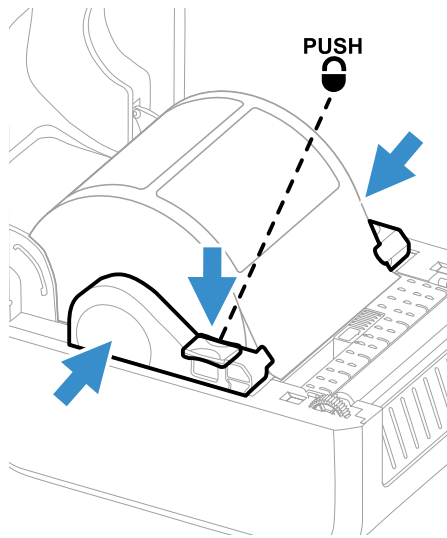


3. Insert the media roll between the media holders as shown.

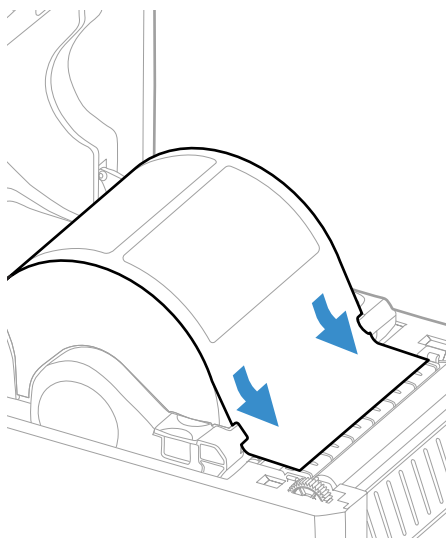


4. Ensure the media holders are snug against the sides of the media roll, and then press the locking tab down to lock the media holders in place.

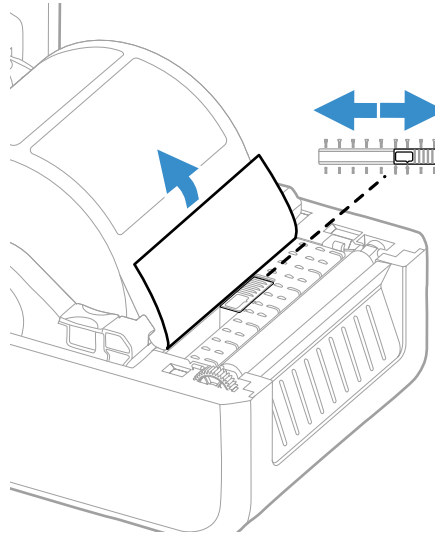
Note: Pull the media forward to make sure the media rotates and is not resting at the base.



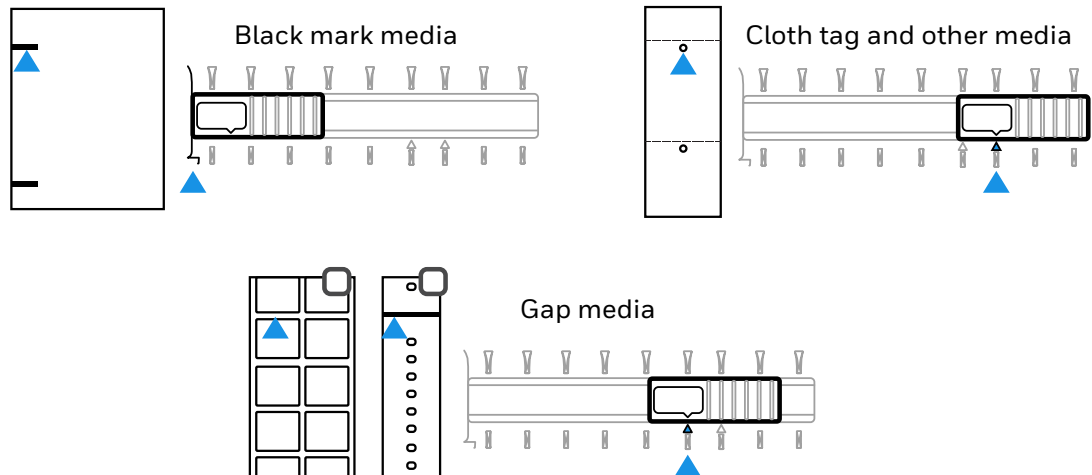
5. Place the media between the media holders. Ensure the media lays flat.



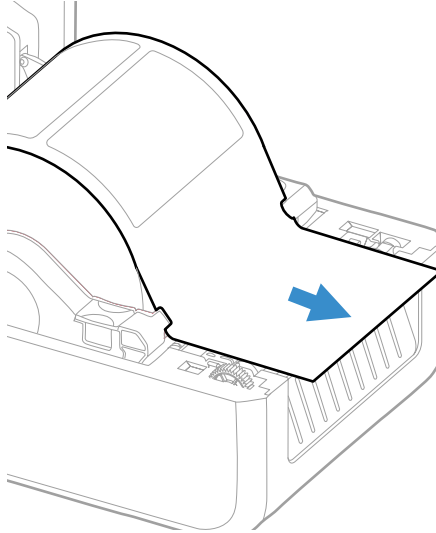
6. Adjust the media sensor:
 - a. Pull up the media to reveal the media sensor.



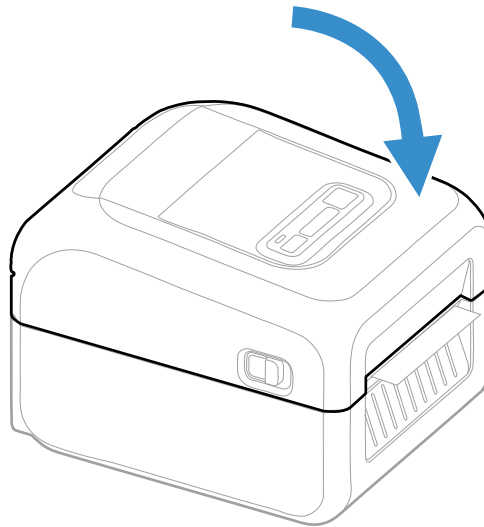
- b. Adjust the media sensor according to type of media: black mark, gap, or cloth tag and other media. Slide the tab in the middle of the sensor to the location of the media type.



7. Ensure the media extends beyond the tear bar in front of the printer.



8. Close the cover.



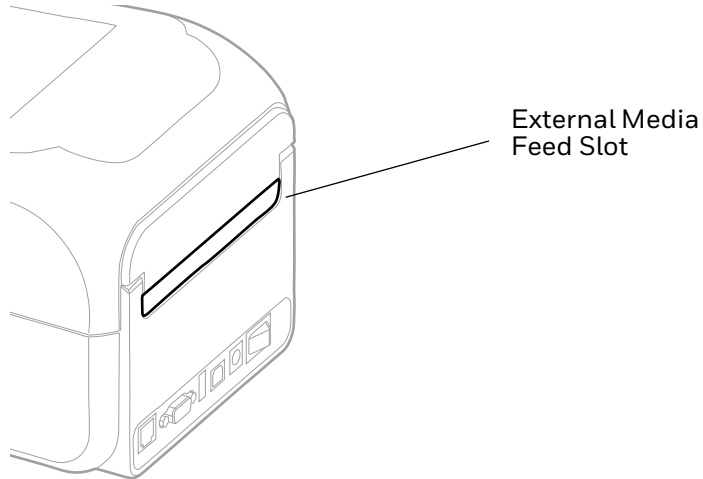
9. Make sure you configure these printer settings:
- Media type
 - Media width and length
10. Press and hold the **Print** button to print a test label. For help, see [About Test Labels](#) on page 18.

Load External Media

You can place the media supply, such as fanfold tickets or tags, behind the printer. You need to purchase an external media holder separately.

Note: *Protect the media from direct sunlight and from dust, dirt, or other foreign particles that can impair the printout quality or cause unnecessary wear to the printhead.*

1. Place the media behind the printer.
2. Feed the media into the printer through the external media feed slot.



3. Thread the media through the printer and adjust the media holders and sensor as you would for media that loads inside the printer.

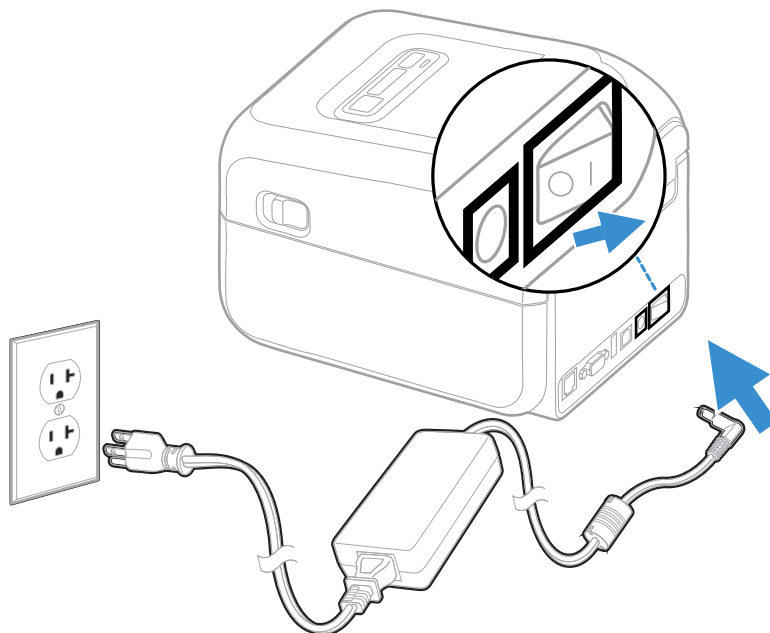
Connect the Printer to Power



Caution: Use only the AC power adapter supplied with the printer. The use of a power adapter not approved by Honeywell voids the product warranty and may damage the printer.

Caution: Turn the printer off when not in use.

1. Connect the power adapter to the power port on the rear of the printer.



2. Connect the power adapter to AC power.
3. Press the Power switch to turn the power on. As the printer starts up, the Status LED turns green and blinks.

The Status LED turns solid green when the printer is ready to print.

You can now set the printer command language or print a configuration label. For help, see [How to Set the Printer Command Language](#) on page 16 or [About Test Labels](#) on page 18.

About Printer Command Languages

A printer command language is a set of instructions that controls printer functions:

- Configure the printer.
- Return the status of the printer.
- Control peripheral devices.
- Format a label or receipt for printing.

The printer supports these command languages and language simulator support options:

- [Autosense](#)
- [Direct PDF Printing](#)
- [Direct Protocol](#)
- [DPL](#)
- [ESim](#)
- [Fingerprint](#)
- [IPL](#)
- [TPCL](#)
- [ZSim](#)

Autosense

Autosense allows the printer to automatically sense, from label to label, the incoming data stream and its language, and to print each label accordingly.

Note: *Autosense is the default printer configuration and does not support an IPL data stream.*

Direct PDF Printing

PDF printing refers to the ability of the printer to directly print PDF files without additional middleware or a smart device with generated PDF. If you are sending PDF files to the printer, select PDF printing as your printer command language.

Direct Protocol

Direct Protocol (DP) uses a more intuitive English-like syntax. Direct Protocol lets you combine predefined layouts and variable data to create labels, tickets, and tags. If you are using barcode software, select Direct Protocol as your printer command language.

DPL

The DPL command language interprets Datamax™ data streams without requiring any host programming changes. If you are sending DPL label files to the printer, select DPL as your printer command language.

ESim

ESim (EPL command language simulator) interprets Eltron printer command language. If you send EPL label documents to the printer, you should select ESim as your printer command language.

Fingerprint

Fingerprint is a BASIC-inspired general purpose printer language. Use Fingerprint to design custom label formats and write printer application software. If you plan to run Smart Printing applications directly on the printer without connecting to a PC, select Fingerprint as your printer command language.

IPL

IPL is a host-based printer command language. Use IPL to design, modify, and download label formats, write printer application software, and configure the printer. If you are sending IPL label files to the printer, select IPL as your printer command language.

Note: *IPL is supported on 203 dpi and 300 dpi printers only.*

TPCL

Use the TEC Printer Command Language (TPCL) to manage printing and formatting of barcodes, labels, and receipts.

Note: *TPCL is supported on 203 dpi printers only.*

Note: *TPCL does not support the cutter and peel-off modules.*

ZSim

The ZSim (Zebra Printer Language Simulator) interprets Zebra™ programs (ZPL II or later) without requiring any host programming changes. If you are sending ZPL label files to the printer, select ZSim as your printer command language.

Note: *You can use command languages, like Direct Protocol, and language simulators, like ZSim, to create and print labels. For more information, see the command reference manual for your desired language. For details on how to use Smart Printing directly on the printer, see the Fingerprint Command Reference Manual.*

How to Set the Printer Command Language

You can use one of these methods to change the printer command language:

- **Print/Feed** button.
- Printer web page (with Ethernet option installed).
- Printset or Print Set MC.

You may need to configure the media type and print method when you set the command language through the printer web page or the printer configuration software (not applicable when setting the printer command language with the **Print/Feed** button).

Set the Command Language with the Print Button

Make sure the printer has media installed.

1. Turn off the printer.
2. Press and hold the **Print/Feed** button.
3. Turn the printer on. The Status LED turns green and blinks.

The printer calibrates the media, prints out a configuration label, and then it prints labels with the different command languages one at a time at two second intervals.

4. When the label prints out with the command language you want to use, press the **Print/Feed** button.

Set the Command Language from the Printer Web Page

To set the command language from the printer web page, you need to turn on the printer and connect to your Ethernet network. To access the web page, see [Configure the Printer from the Printer Web Page](#) on page 25.

1. Click **Configure > System Settings > General**.
2. Select the desired printer command language from the **Command Language** list, and then click **Save**.
3. Click the **Services** tab.
4. Click **Restart Printer**, and then click **Restart**. The printer restarts in the command language you selected.

Set the Command Language from Printset or Print Set MC

You can use Printset or Print Set MC to set the command language.

1. Click **Configuration > System Settings > General**.
2. Select the desired printer command language from the **Command Language** list, and then click **Save**.
3. Click **Save** when you are finished.

4. Click **Printer > Apply** to apply the changes to the printer.

About Test Labels

You can print a test label to check print quality and get configuration information, including lists of the fonts, images, and applications installed on the printer. Use one of these methods to print a test label:

- When you turn on the printer.
- When the printer is ready to print.
- With the printer configuration software.

You can also print test labels from the printer web page, which requires a network connection to a desktop PC. You need to know the printer IP address to view the printer web page. It takes around 10 seconds to acquire the IP address when you connect the printer through Ethernet. If the test label shows the IP address as 0.0.0.0, wait 10 seconds and then print another test label.

Print a Test Label When You Turn on the Printer

You can print a test label when you first turn on the printer.

1. Make sure that the printer has media installed.
2. Connect the printer to power and turn on the printer.
3. Press and hold the **Print/Feed** button until the printer calibrates the media, prints a configuration label, and then lets you select the printer command language.

Print a Test Label When the Printer is Ready to Print

You can print a test label when the printer is sitting idle and ready to print.

1. Make sure that the printer has media installed.
2. Press and hold the **Print/Feed** button until the printer advances media to the beginning of the next label. The printer will then print out a Configuration label.

CONNECT THE PRINTER

This chapter explains how to download the Windows® printer drivers and connect the printer to your PC and an Ethernet network.

About Software Updates

Cyber security best practices include keeping your device apps and OS up to date. To help, Honeywell offers maintenance patches, security updates and operating system upgrades through our Honeywell Edge services.

Availability and cost depend on the following:

- Date of purchase of the device or software app.
- Warranty status.
- Service agreement status (devices) or Maintenance plan status (apps).

To learn more about Honeywell Edge Services, go to

<https://automation.honeywell.com/us/en/services/productivity-solutions/support-services>.

Printer Drivers

Before you can use the printer with Microsoft® Windows® printing applications, you must install printer driver software on the PC. Drivers enable the printer to communicate with your PC and with printer software applications.

You can access the Honeywell Technical Support Downloads portal at: honeywell.com/PSSsoftware-downloads. Click on **Software > Printers > Printer Software and Drivers**.

Note: Although Windows may auto-detect the printer when you connect it to a PC through a USB port, you must install printer drivers on the PC for the printer to operate correctly.

Install Honeywell Windows Driver

Use InterDriver to install printer driver software on your PC.

1. Access the Honeywell Technical Support Downloads portal at honeywell.com/PSSsoftware-downloads.
2. Download Honeywell Software Download Manager by clicking **here** in the web page. Install the Download Manager.
3. Click on the **(+)** to expand the list. Then go to **Software > Printers > Printer Software and Drivers > Printer Drivers > Windows Printer Drivers**.
4. Open the Honeywell Software Download Manager and follow the instructions to download the file.
5. Extract the driver files to a location on your PC.
6. Double-click the .exe file to install InterDriver and follow the prompts to complete the installation.

How to Connect the Printer to Your PC

You can connect the printer to your PC using one of these cables:

- USB cable
- Serial cable

Connect the Printer with a USB Cable

The printer supports USB connections to a desktop PC. You do not need to set any parameters for USB communications.

Note: You must install InterDriver to use a USB connection to a Windows PC. For more information, see [Install Honeywell Windows Driver](#) on page 20.

1. Download and install InterDriver on your PC.
2. Connect one end of the USB cable to the USB device port on the back of the printer and when prompted during the InterDriver installation, connect the other end to your PC.

Connect the Printer with a Serial Cable

You can use a serial connection to communicate with your PC and send commands directly to the printer through a terminal connection.

- Connect one end of the cable to the back of your printer and connect the other end to a serial COM port on your PC.

Connect the Printer to Your Network

You can use an Ethernet or Wi-Fi connection to connect the printer to your network.

Connect the Printer to an Ethernet Network

Use the Ethernet port to set up your printer as a network printer. The printer is set to automatically retrieve an IP address from the network (DHCP) when you turn the printer. You can use the network connection with Honeywell Printer Driver. You can also use it to send commands directly to the printer through a terminal connection (Telnet) or through FTP.

1. Turn the printer off.
2. Connect the Ethernet cable to the Ethernet port in the rear of the printer and connect the other end of the cable to your network.
3. Turn the printer on.
4. For a non-DHCP network:
 - From Printset or Print Set MC, select **Configuration > Communications > Ethernet > IPv4 or IPv6** and change the settings as needed.
 - From the web page, select **Configure > Communications > Ethernet > IPv4 or IPv6** and change the settings as needed.

Setting	Default
(IPv4) IP Assignment Method	DHCP
(IPv4) IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Default Router	0.0.0.0
DHCP Response	Broadcast
(IPv6) IP Assignment Method	Automatic
(IPv6) IP Address	Automatic

5. Print a test label to find the IP address of the printer. For more information, see [About Test Labels](#) on page 18.

Connect the Printer via Wi-Fi

The printer supports wireless communications when the optional Wi-Fi module is installed.

You can configure wireless communications:

- From the printer web page.
- From Printset or Print Set MC.

By default, the printer supports DHCP networks.

Note: *If you are not using a DHCP network, Wi-Fi settings must be configured by using Honeywell Printset or Print Set MC through a USB connection to the printer. Send commands through a serial connection, or use the wizards and settings menus on the printer.*

Configure Wi-Fi Communications from the Web Page

Use this procedure to configure wireless communications from the printer web page. To access the web page, see [Configure the Printer from the Printer Web Page](#) on page 25.

Note: *The printer must be turned on and connected to your Wi-Fi or Ethernet network to configure the printer from the web page.*

1. Open a web browser on your PC.
2. Click the **Configure > Communications > Wireless 802.11**. The Wireless 802.11 settings page appears.
3. Change wireless settings as needed. You can also click **Default Settings** to restore all default Wireless 802.11 settings.
4. Click **Save** when you are finished.

Configure Wi-Fi Communications from Printset or Print Set MC

You can configure wireless communications using the Wireless Setup Wizard or from the **Configuration** settings.

To access the Wireless Setup Wizard from the main menu, click **Printer > Wireless Setup Wizard**.

To configure wireless communications from the **Configuration** settings:

1. Click **Configuration > Communications > Wireless 802.11**.
2. Change settings as needed for your wireless connection.
3. Click **Save** when you are finished.
4. Click **Printer > Apply** to apply the changes to the printer.

Install Authentication Certificates

If you are using Wireless 802.11 security, you may need to install authentication certificates in the printer for the highest level of security.

1. Configure the printer for the correct date and time.
2. On your PC, open an FTP connection to the IP address of the printer.
3. Transfer your certificate to /home/user/certificates/public.
4. On your PC, open a Telnet session to the printer.

5. Change the directory to: **/home/user/certificates/public**.
6. Type the command: **ls -la**.
7. You should see the certificate that you transferred in step 3.
8. Use the certinstall script to install the certificate using this format:
<prompt> certinstall.sh <certificate name>
9. When you receive confirmation that the certificate was installed, type the following command to make sure you see a .pem file and another soft link to the same file: **ls -la**.

Note: Use the printer web page or Printset or Print Set MC to specify the certificate .pem file to use for security.

Configure Bluetooth Communication

You can configure Bluetooth communication:

- From the printer web page.
- From Printset or Print Set MC.

Configure Bluetooth Communication from the Web Page

The printer must be connected to an Ethernet or wireless network and you must know the printer IP address. To access the web page, see [Configure the Printer from the Printer Web Page](#) on page 25.

1. Click **Configure > Communications > Bluetooth**. The Bluetooth settings page appears.
2. Change Bluetooth settings as needed. You can also click **Default Settings** to restore all default Bluetooth settings.
3. Click **Save**.

Configure Bluetooth Communication from Printset or Print Set MC

Use the procedure to configure Bluetooth settings from Printset or Print Set MC. You may need to configure these settings if you want to connect to a computer through Bluetooth.

1. Select **Configuration > Communications > Bluetooth**.
2. Change settings as needed for your Bluetooth device.
3. Click **Save**.

USB Host Port

Use the USB host interface port on the printer to connect these peripheral devices:

Device	Description
Keyboard	Use a standard USB keyboard to send Fingerprint printer language commands directly to the printer or to enter information if you are running a Smart Printing application.
Barcode scanner	Use USB barcode scanners for data input with a Smart Printing application. The printer also supports other USB scanners that use a generic keyboard driver.
USB storage device	Use a USB storage device to load applications, configuration files, fonts, and images into the printer memory, or to perform firmware upgrades. You can also save configuration files to a USB storage device for upload to a printer. The USB storage device must have a single partition and be formatted as FAT16 or FAT32.
USB-to-Serial	Use a USB-to-Serial cable to connect to a USB host. The serial Com port will display on the host. Use the Com port to send a print job as you would with a serial cable.

Connect a USB Device

You can use the USB host interface port on the printer to connect keyboards, barcode scanners, or a USB storage device.

1. If you are connecting a USB storage device, make sure the device has a single partition and is formatted as FAT16 or FAT32.
2. Connect the device to the USB host port.

Configure the Printer

You can configure your printer:

- From the printer web page.
- With Printset or Print Set MC.

You can download Honeywell applications to extend the capabilities of the printer. You may need to purchase a license to run some applications. To learn more about licenses and other Honeywell software solutions, go to automation.honeywell.com > **Software** > **Productivity Solutions Software**.

Support for Honeywell Productivity Solutions products is available online through the Technical Support Portal.

Configure the Printer from the Printer Web Page

You can configure most network settings from the printer web page.

1. Start a web browser on your PC.
2. In the address field, type **https://** then the IP address of your printer and press **Enter**. The printer web page appears.

Note: If you do not know the IP address of your printer, you can print a configuration label. For more information, see [About Test Labels](#) on page 18.

3. Click **Login**.
4. Type your **Username** and **Password** in the entry fields, and then click **Login**. The default username is **itadmin**, and the default password is **pass**.

After logging in, you will be prompted to change your password.

Note: You can also enter **User** in the Username field without the need of a password to login. This will allow you to access limited features in the printer web page.

5. Click **Configure**. The Configuration Summary page appears.
6. To see a list of printer settings, click **Configuration Summary**.

To configure printer settings, use the links in the navigation pane:

- For serial, Ethernet, Bluetooth or Wireless 802.11 settings, click **Communications**.
- For media or print quality settings, click **Printing**.
- For display, audio, service, and general settings, or maintenance alert message triggers, click **System Settings**.
- For network-related settings (such as DNS, WINS, Net1), for web and email server information, or if you are using a network management application, click **Network Services**.

7. Make any changes to the settings you want to configure.
8. To save your changes, click **Save**.
9. To reset all parameters on the page to the default settings, click **Default Settings**.

Configure the Printer with Printset or Print Set MC

You can use Printset or Print Set MC to change configuration settings on your printer. You can download Printset or Print Set MC from the Honeywell Technical Support Downloads portal (honeywell.com/PSSsoftware-downloads).

To configure the printer with Printset or Print Set MC, use the **Configuration** settings.

- When you are finished changing the **Configuration** settings, click **Save**.
- To apply the configuration changes to the printer, click **Printer > Apply**.

Upgrade the Firmware

Check for periodic updates to the printer firmware.

Download the Printer Firmware Update

Before you can upgrade the printer firmware, you need to download the upgrade file from the Honeywell website.

The latest version of the firmware is available from the Honeywell Technical Support Downloads portal (honeywell.com/PSSsoftware-downloads). Go to **Software > Printers > Desktop > PC41E-D/PC42E-D > Current > Firmware**.

You can upgrade the printer firmware using the printer web page, a USB storage device, PrintSet, Print Set MC, or by using Honeywell Operational Intelligence.

Note: To learn more about Operational Intelligence, see the Honeywell Cloud Connect User Guide available for download from the Operational Intelligence Software product page at automation.honeywell.com.

Upgrade Firmware from the Printer Web Page

You can upgrade the printer firmware from the printer web page. To configure the printer from the web page, the printer must be turned on and connected to your Wi-Fi or Ethernet network. To access the web page, see [Configure the Printer from the Printer Web Page](#) on page 25.

1. Download the printer firmware from the Honeywell website. See [Download the Printer Firmware Update](#) on page 26.
2. Click **Services > Firmware Upgrade**.

The Firmware Upgrade screen is displayed, showing the current firmware version.

3. Click **Browse** to locate the upgrade file, select the file, and then click **Open**.
4. Click **Upgrade**.

The printer web page shows that it is upgrading the firmware on your printer.

Upgrade Firmware from Printset or Print Set MC

You can upgrade the printer firmware from the Printset or Print Set MC Firmware Update Wizard.

1. Download the printer firmware from the Honeywell website. See [Download the Printer Firmware Update](#) on page 26.
2. From the main menu, click **Printer > Firmware Update Wizard**.
3. Follow the steps of the wizard to complete the upgrade.

Upgrade Firmware from a USB Storage Device

Use a USB storage device to upgrade the printer firmware.

1. Make sure the USB storage device has a single partition and is formatted as FAT16 or FAT32.
2. Download the printer firmware from the Honeywell website. See [Download the Printer Firmware Update](#) on page 26.
3. Copy the firmware upgrade file (typically a .bin format) to the root of a USB storage device.
4. Turn off the printer.
5. Insert the USB storage device into one of the USB host ports.
6. Turn on the printer.

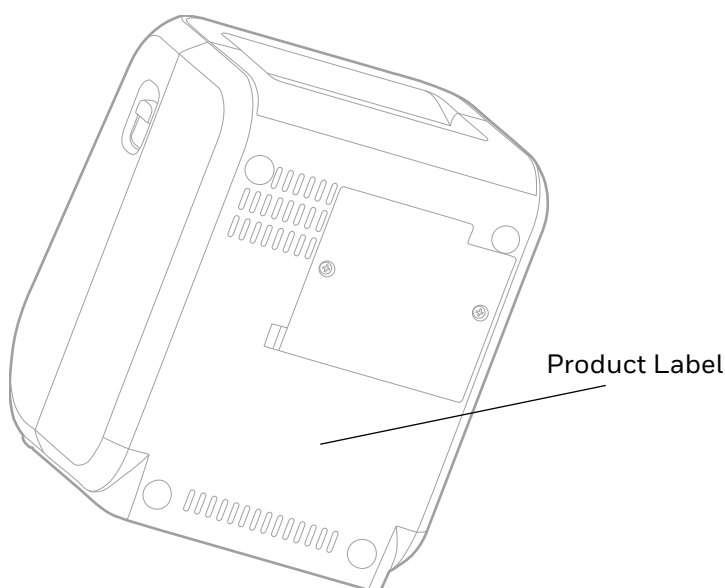
As the firmware upgrade file is loaded into the printer, the Status LED blinks amber. This process may take several minutes.

When the printer Status LED turns solid green, the printer is ready to use.

TROUBLESHOOT AND MAINTAIN THE PRINTER

Locate the Printer Configuration and Serial Numbers

You can find the printer configuration and serial numbers on the product label located on the bottom of the printer.



Printer Problems and Possible Solutions

Use this section to find possible solutions to printer problems.

Problem	Possible Solution
The Status LED is off, but the power is on.	Make sure the connectors on the power supply are securely plugged into the printer and an AC outlet.
The Status LED is green, but the printer is not feeding media.	Make sure the correct type of interface cable is securely plugged into both the printer and computer.

Problem	Possible Solution
Only partial labels are being printed.	Try these possible solutions: - Make sure that the printer cover is fully locked. Open the printer cover and lower the cover completely until both latches click into place. - Check that the Media Settings are correct. For example: Media Width, Media Length, and Media Margin (X). See Media on page 50. - Check to see if a label is caught on the printhead. If you find a caught label, remove the label and clean the printhead. See Clean the Printhead on page 32.
The print quality is poor.	Try these possible solutions: - Clean the printhead. See Clean the Printhead on page 32. - Make sure the darkness setting is correct for the media.
The printer seems to be working but nothing prints.	Try these possible solutions: - Make sure that the heat-sensitive side of the media is facing the printhead. - Check that the Media Width is set correctly in the Media Settings. See Media on page 50. - Verify that the media is direct thermal media by firmly running your fingernail on the surface of the media. If you see a black line, the media is direct thermal.
Printing stops and Status LED is red.	Try these possible solutions: - Use Printset or Print Set MC to check the printer error status. - There may be a media jam. Open the printer and check for stuck labels or ripped perforations.
The printer continues to print or feed when it should stop printing.	Check to see if a stuck label is blocking the label gap sensor. Open the top cover, remove the label, and clean the printhead. See Clean the Printhead on page 32.
Cannot connect to the printer web page.	Try these possible solutions: - Make sure that you are entering the printer IP address as https:// followed by the IP address. This is required if the Web Server Protocol setting is set to "HTTPS only." To allow "http" IP addresses, set the Web Server Protocol to "Auto." See Web Server on page 61. - Verify that Settings > System Settings > Manage Services > Web Server is set to Enabled. See Manage Services on page 55.

How to Restore Default Settings

If you need to restore factory defaults at any time, you can use:

- The **Print/Feed** button.
- The printer web page.
- Printset or Print Set MC.

Restore Default Settings with the Print Button

The easiest way to reset the printer to the factory default settings is with the **Print/Feed** button.

1. Turn off the printer.
2. Push the cover latches towards the front of the printer and open the cover.
3. Turn the printer on.
4. When the Status LED starts blinking green, press and hold the **Print/Feed** button until the Status LED turns off.
5. Close the cover.

Restore Default Settings from the Printer Web Page

If the printer is connected to an Ethernet network, you can restore default settings from the printer web page. To access the web page, see [Configure the Printer from the Printer Web Page](#) on page 25.

1. Click **Services > Restore Defaults**.
2. Select the settings you want to restore:
 - Check the **Network settings** check box to restore defaults for all network connections, such as IP address and network name.
 - Check the **User-Installed Files** check box to erase all files you uploaded to the printer memory.
 - Check the **System Settings** check box to restore defaults for system settings, such as media width.
3. Click **Restore**.
4. Click **Yes** to continue. The printer restarts and the settings you selected are restored to default values.
5. Reboot the printer manually or by using the printer web page.

Restore Default Settings with Printset or Print Set MC

If you have Printset or Print Set MC installed on your PC, you can use the Factory Default Wizard to restore the default settings on your printer.

Clean the Printhead

Cleaning the printhead on a regular basis is important for the life of the printhead and for the best print quality. You should clean the printhead each time you replace the media. Follow this procedure to clean the printhead using the cleaning card. If you need to clean additional residue from the platen roller or tear bar, use a cotton swab moistened with isopropyl alcohol.



Caution: Never use hard or sharp tools to peel away stuck labels or other material. The printhead is delicate and can easily be damaged.

1. Turn the printer off and disconnect the printer from power.
2. Open the printer cover and remove the media (if installed).
3. Insert most of the cleaning card under the printhead, and then lower the printhead.
4. Pull out the cleaning card and raise the printhead.
5. Wait for approximately 30 seconds to allow the cleaning fluid to dissolve the residue.
6. Print a test label to check for print quality. For help, see [Print a Test Label When the Printer is Ready to Print](#) on page 18.
7. Repeat Steps 3 through 5 if necessary.
8. If necessary, clean residue from the platen roller or tear bar with a cotton swab moistened with isopropyl alcohol.
9. Once the parts are dry, replace the media in the printer.
10. Close the printer, reconnect power, and turn on the printer.

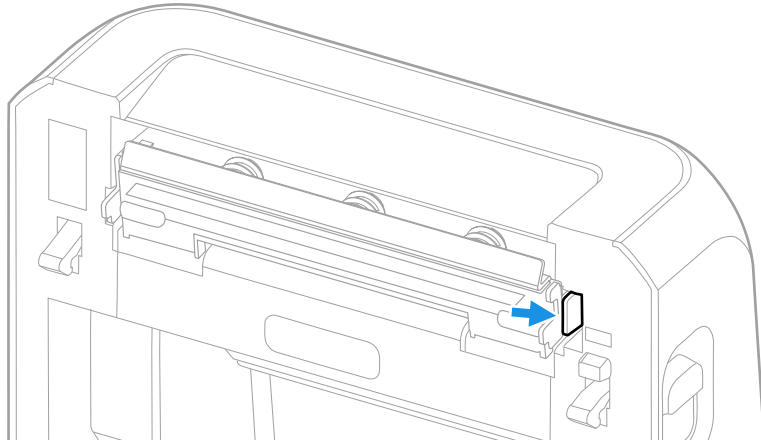
Replace the Printhead

You need to replace the printhead periodically when it wears out due to the rapid heating and cooling process used during printing. How often you need to replace the printhead depends on factors such as what type of images you print, the type of media you use, the amount of energy to the printhead, the print speed, and the ambient temperature of the room you print in. The firmware detects the new printhead when you restart the printer.

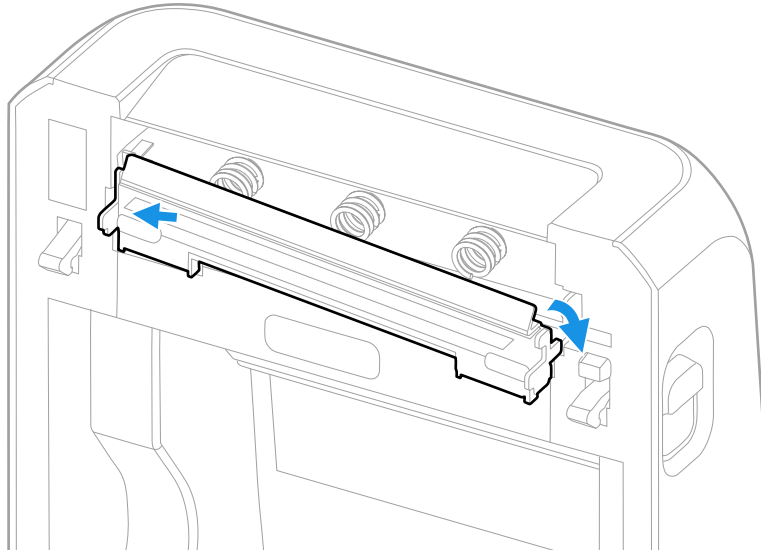
1. Turn off the printer and disconnect the power cord.
2. Press in on the cover latches on both sides of the printer and open the cover.

3. Remove the printhead.

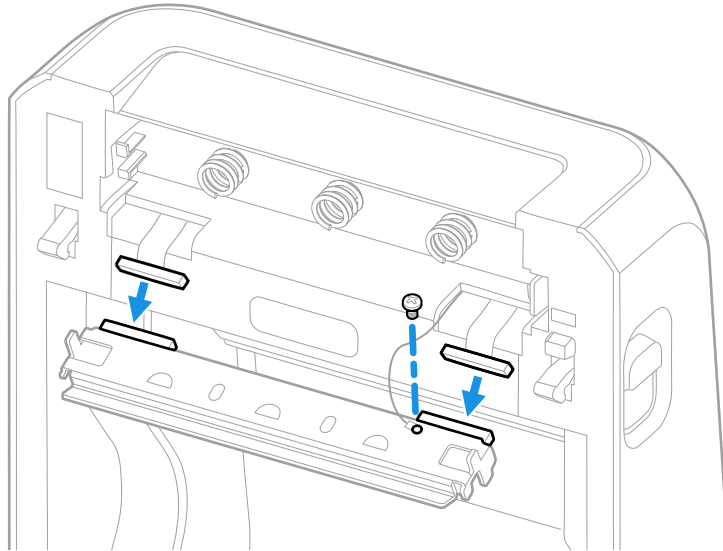
- a. Push in the tab next to the right side of the printhead to release the printhead.



- b. Push in the left side of the printhead and pull the right side of the printhead away from the printer.



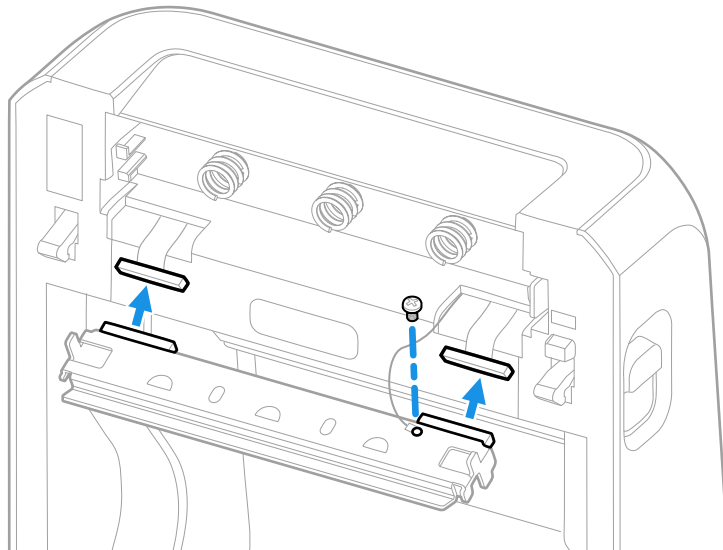
4. Disconnect the printhead:
 - a. Use a Phillips screwdriver to remove the screw attached to the grounding wire.
 - b. Disconnect the cables at each end of the printhead.



5. Remove the printhead from the printer.
6. Connect the new printhead:
 - a. Connect the cables at each end of the printhead.
 - b. Use a Phillips screwdriver to secure the grounding wire and screw.

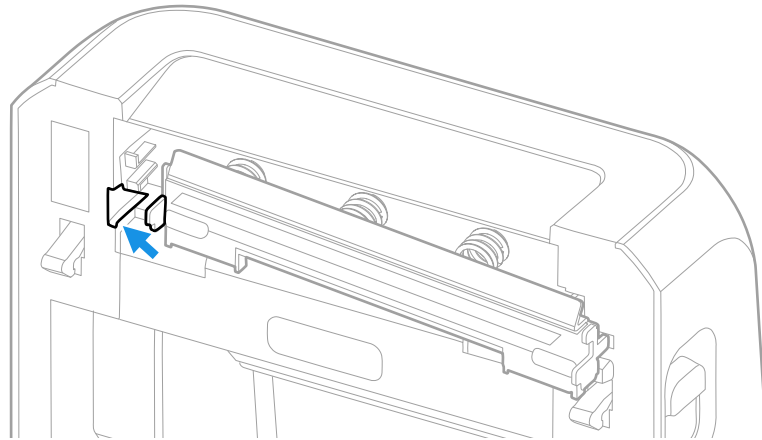


Warning: Do not touch the printhead surface area.

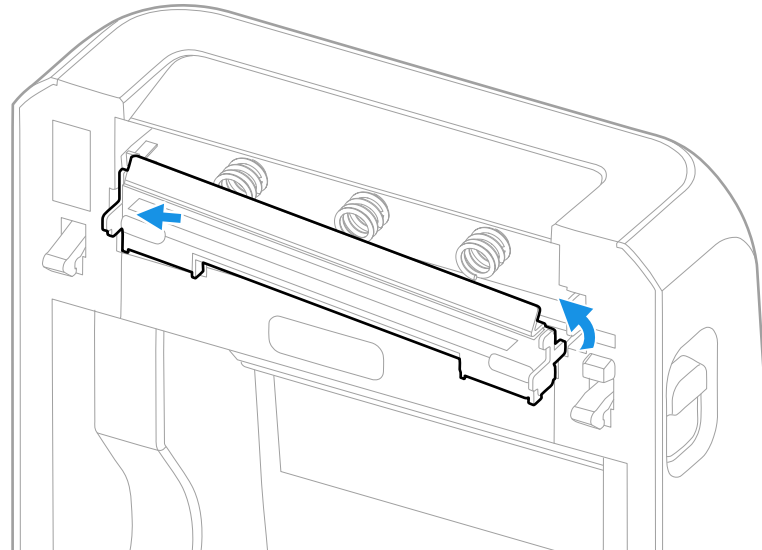


7. Install the new printhead:

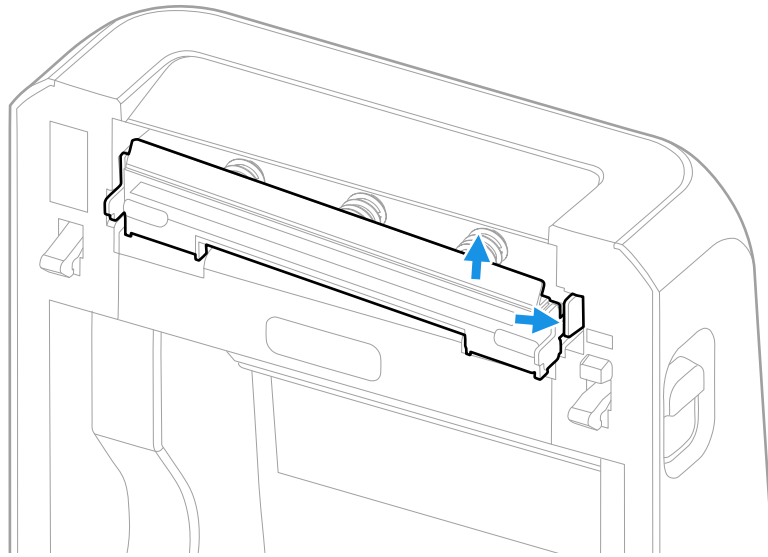
- a. Insert the printhead into the left side bracket that holds the printhead.



- b. Push in the left side of the printhead and lift the right side of the printhead into the printer.



- c. Push in the tab next to the right side of the printhead and insert the printhead into the printer.



8. Close the printer cover.

Clean the Platen Roller

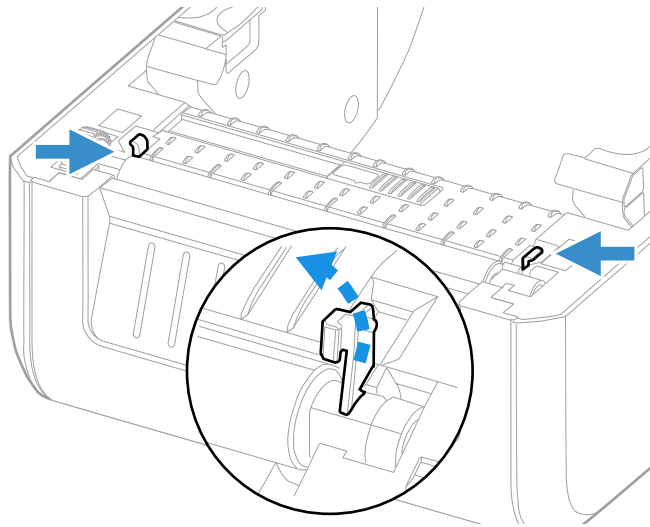
Follow this procedure to remove, clean, and replace the platen roller as part of standard maintenance for the printer. You should check the platen roller for debris each time you load media and clean it if dirty.



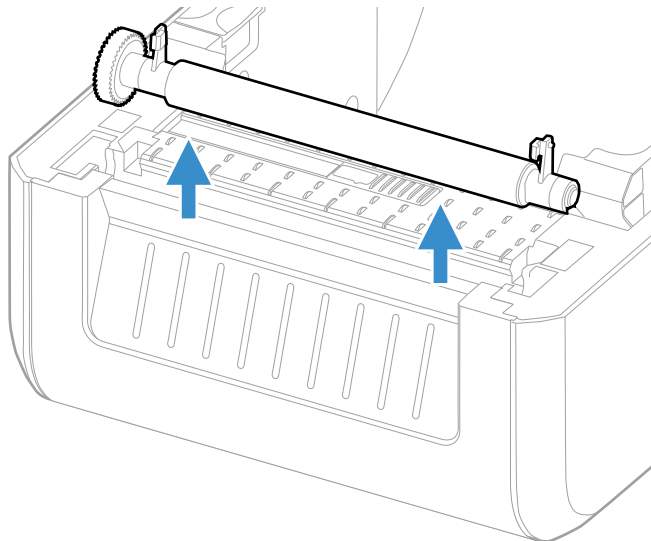
Caution: Never use hard or sharp tools to peel away stuck labels or other material. The platen roller is delicate and can easily be damaged.

1. Turn the printer off and disconnect the power cord.
2. Press in on the cover latches on both sides of the printer and open the cover.

3. Press in and then roll forward each of the latches at the ends of the platen roller.



4. Pull up on the platen roller to remove it from the printer.



5. Remove any adhesive residue from the roller with a cotton swab moistened with isopropyl alcohol.
6. Reverse Steps 3 and 4 to install the roller.
7. Close the cover.

Clean the Interior of the Printer

To keep the interior of the printer clean:

- Make sure the media path is clean.

- Make sure sensor mylar covers are free of fingerprints, oil, dirt, and dust.

Clean the Exterior of the Printer

Make sure to keep the exterior of the printer clean. Maintaining a clean exterior will reduce the risk of dust or foreign particles reaching the inside of the printer and affecting printer functionality.

Use a soft cloth moistened with water or a mild detergent when cleaning the printer exterior. Make sure to keep the surface surrounding the printer clean as well.

SPECIFICATIONS

This appendix contains specifications for the printer.

Specifications and Resources

1. Go to automation.honeywell.com.
2. Type PC41E-D or PC42E-D in the search box and then press **Enter**.
3. Click on the product link in the search results.
4. Select one of the following tabs:
 - **Specifications**
View Printer features, Software, Hardware information, and environmental specifications.
 - **Resources or Documents**
View and download available product documentation. For example, Data Sheet, Quick Start Guide, User Guide, Regulatory Information, and other product documentation.

Media Specifications

Parameter	Specification
Media types	Continuous, die-cut, notch, black mark, fan-fold
Media width	25.4 mm (1 in) to 114 mm (4.48 in)
Media length (min.)	9.6 mm (0.38 in)
Maximum print width	108 mm (4.25 in)
Maximum print length	4826 mm (190 in) for 203dpi, 2159 mm (85 in) for 300dpi
Media thickness	0.076 mm (3.0 mil) to 0.19 mm (7.48 mil)
Media roll diameter (max.)	127 mm (5 in)
Media core size	12.7mm (0.5 in) to 38 mm (1.5 in)

Print Sensors

- Black Mark Sensors
- Head Lift Sensor
- Label Gap Sensor

Network Services

- FTP/SFTP
- HTTP/HTTPS
- WINS for IPv4
- BOOTP for IPv4
- DNS client support for IPv4 and IPv6
- DHCP client for IPv4 and IPv6 network (dual stack)
- SNMP client support for IPv4 and IPv6
- Line Printer Protocol
- Raw TCP (Telnet in/out)
- IPv4 and IPv6
- Ping
- Telnet/SSH
- NTP
- Net1
- XML Printer
- Device Management
- SOTI Agent
- Optintel

Fonts

Resident Fonts

- Andale Mono
- Andale Mono Bold
- Century Schoolbook Roman
- CG Times

- CG Times Bold
- CG Triumvirate Condensed Bold
- Dutch 801 Roman
- Honeywell Sans TT Bold
- Letter Gothic
- MHeiGB18030C-Medium
- Monospace 821
- Monospace 821 Bold
- OCR A
- OCR B
- Univers
- Univers Bold
- Univers Condensed Bold
- Univers Extra Condensed

Downloadable Fonts

For broader language and character support, any Unicode TrueType or TrueType-based OpenType font may be downloaded. Fonts from Monotype Imaging are recommended to address global languages. The fonts below have been tested and are available for purchase and download at www.fonts.com.

WorldType Collection fonts support all global languages whereas the other fonts listed support specific languages.

- Angsana New Regular
- Helvetica World
- HYGothic-Medium
- MSung HK Medium
- MSung PRC Medium
- NarkisClassicMF
- TBMinPro-Light
- WorldType Collection J
- WorldType Collection K
- WorldType Collection S
- WorldType Collection T

Supported Font Types

- TrueType
- OpenType
- Bitmap

Printed Barcode Symbolologies

1D Barcode Symbolologies

- Codabar
- Code 11
- Code 39
- Code 93
- Code 128
- DUN-14/16
- EAN
 - EAN-8
 - EAN-8 Composite with CC-A or CC-B
 - EAN-13
 - EAN-13 Composite with CC-A or CC-B
 - EAN128
 - EAN128 subset A
 - EAN128 subset B
 - EAN128 subset C
 - EAN.UCC 128 Composite with CC-A or CC-B
 - EAN.UCC 128 Composite with CC-C
- HIBC 39
- HIBC 128
- Industrial 2 of 5
- Interleaved 2 of 5
- ISBT-128
- Matrix 2 of 5
- Straight 2 of 5
- UPC
 - UPC-5 digits Add-On Code

- UPC-D1
- UPC-D2
- UPC-D3
- UPC-D4
- UPC-D5
- UPC Shipping Container Code

2D Barcode Symbolologies

- Aztec
- Code 16K
- Code 49
- Data Matrix
- DotCode
- Grid Matrix
- Han Xin Code
- MaxiCode
- MicroPDF417
- MSI (modified Plessey)
- PDF417
- Planet Code
- Plessey Code
- Postnet
- QR Code
- RSS-14
- USPS 4-State Customer barcode

Graphic File Types

- PCX
- PNG
- GIF
- BMP

DEFAULT SETTINGS

This appendix contains all of the default settings for the printer.

Default Configuration

Use this appendix to view the default settings on the printer. If you restore the printer to factory default settings, it will use the values listed here. The order of the settings reflects the organization of the printer web page.

Communications Settings

Use the Communications settings to manage serial, Ethernet, wireless 802.11, and Bluetooth connections.

Serial

This section describes the serial settings. To view the settings:

- From the printer web page, click **Configure > Communications > Serial**.
- From Printset or Print Set MC, click **Configuration > Communications > Serial**.

Setting	Description	Default
Baud Rate	Transmission speed in bits per second (bps) for the serial port.	115200
Data Bits	Number of bits that define a character or byte.	8
Parity	Specifies how the printer checks the integrity of the transmitted data.	None
Stop Bits	Number of bits sent at the end of every character to allow the receiving signal hardware to detect the end of a character and to resynchronize with the character stream.	1
Hardware	Specifies if hardware flow control (RTS/CTS) is used to manage the rate of data transmission between the device and the host.	Disable

Setting	Description	Default
ENQ/ACK	Specifies if software flow control (ENQ/ACK) is used to manage the rate of data transmission between the device and the host.	Disable
XON/XOFF To	Specifies if software flow control (XON/XOFF) is used to manage the rate of data transmission to the host.	Disable
XON/XOFF From	Specifies if software flow control (XON/XOFF) is used to manage the rate of data transmission from the host.	Disable
New Line Character	Defines the characters that the printer echoes to the host to indicate that it has moved to a new line.	CR/LF

Ethernet

This section describes the Ethernet IPv4, IPv6, and 802.11 authentication settings. To view these settings:

- From the printer web page, click **Configure > Communications > Ethernet**.
- From Printset or Print Set MC, click **Configuration > Communications > Ethernet**.

IPv4

Setting	Description	Default
IP Assignment Method	Specifies how the printer obtains an IP address.	DHCP
IP Address	Specifies the unique network-level address that is assigned to each device in a TCP/IP network.	0.0.0.0
Subnet Mask	Specifies a number that defines the range of IP addresses that can be used in a TCP/IP network.	0.0.0.0
Default Router	Specifies the IP address of a router that is used when a device sends a packet to another subnet or to an unknown destination.	0.0.0.0
DHCP Response	Specifies if the printer receives DHCP responses by broadcast or unicast.	Broadcast

IPv6

Setting	Description	Default
IP Assignment Method	Specifies how the printer obtains an IP address.	Automatic
IP Address	Specifies the unique network-level address that is assigned to each device in a TCP/IP network.	Automatic

802.1x Authentication

Setting	Description	Default
802.1x Security	Enable or disable 802.1x Security.	Disable
EAP Type	Selects the protocol that the radio uses to verify its identity and ensures that it is authorized to communicate on the network.	PEAPv0-MSCHAPv2
Username	User name for Ethernet 802.1x Authentication.	None
Password	Password for PEAP authentication or private-key password for TLS.	None
CA Certificate	Sets the name of the Certificate Authority (CA) that verifies the server certificate. The CA should be the same that was used to sign the certificate.	None
Client Certificate	Sets the name of the client certificate the printer uses to authenticate to the network using EAP-TLS. Maximum length is 128 characters.	None
Private Key	Sets the full path to the private key file the printer uses for EAP-TLS. Maximum length is 128 characters. For a pfx file, the client certificate should not be specified.	None

Wireless 802.11

This section describes the Wireless 802.11 settings. To view these settings:

- From the printer web page, click **Configure > Communications > Wireless 802.11**.
- From Printset or Print Set MC, click **Configuration > Communications > Wireless 802.11**.

General

Setting	Description	Default
Band	Sets the frequency band for 802.11 Radio.	2.4 GHz
Network Name (SSID)	Defines the wireless network. To communicate, all access points and wireless devices must have the same network name, which is case-sensitive.	None
Network Type	Selects the radio behavior of the printer.	Infrastructure
Roaming	Controls the roaming inclination of the printer. The higher the level, the less inclined the printer is to switch access points. Based on the printer RSSI (received signal strength). Level 1 = -65dBm Level 2 = -75dBm Level 3 = -85dBm	Level 2
Power Mode	Selects the power management setting for the radio. Constant Awake provides the highest throughput, but draws the most power. Power Saving conserves the most power, but provides the lowest throughput.	Constant Awake

Setting	Description	Default
Channel	Sets the common channel that radios in the Ad Hoc mode use to transfer data.	1
Hidden SSID	Determines if the radio is allowed to look for SSIDs that have been hidden to prevent unauthorized devices from connecting to the wireless network.	Disable

Security

Setting	Description	Default
Security Type	Selects the protocol that the radio uses to verify its identity and makes sure that it is authorized to communicate on the wireless network.	None
Association	Selects the security method that the radio uses to get access to the wireless network.	Open/WEP
Pre-Shared Key	Defines the passphrase that allows the radio to authenticate over the wireless network (for both WPA and WPA2 security). Range is 8 to 64 characters.	None
Network Key Index	Selects the active network key to use for WEP security. Range is 1 to 4.	None
Network Key (1-4)	Defines a network key that is used for WEP security. Keys are entered in ASCII or hexadecimal (preceded by 0x) format.	None
User Name	Sets the name that the printer uses when logging in to the network. Range is 1 to 96 characters.	None
Password	Sets the password that the printer uses when logging in to the network. Range is 1 to 96 characters.	None
Anonymous Name	Sets the outer EAP user name that the printer uses for logging in to the network. Maximum length is 96 characters.	None
Inner Authentication	Selects the authentication method that is used when the EAP type is EAP-FAST, PEAP, or TTLS.	MSCHAPv2
CA Certificate	Sets the name of the Certificate Authority (CA) that verifies the server certificate. This CA should be the same one that was used to sign the server certificate.	honeywell.pem
Client Certificate	Sets the name of the client certificate the printer uses to authenticate to the network using EAP-TLS. Maximum length is 128 characters.	None
Client Key	Sets the private key the printer uses for EAP-TLS. Maximum length is 128 characters. Use the certinstall.sh script to install the certificate correctly.	None
Server Common Name 1	Sets the certificate name that is on the primary authentication server. If this value is none, then the value for Server Common Name 2 is used. Range is 1 to 96 characters.	None
Server Common Name 2	Sets the certificate name that is on the secondary authentication server. If this value is none, then the value for Server Common Name 1 is used. Range is 1 to 96 characters.	None

Setting	Description	Default
Validate Certificate	Determines if the identity of the authentication server is verified using its certificate when using EAP-TTLS, PEAP, or EAP-TLS. Honeywell recommends that you set Validate Certificate to Yes.	No
PAC	Sets the name of the PAC (Protected Access Credential) file that is used for EAP-FAST authentication. The printer uses this file if Acquire PAC is ON and the current installed PAC fails to authenticate the printer to the network.	eap-fast.pc
Acquire PAC	Determines if automatic PAC file provisioning is on for EAP-FAST authentication.	On
Fast Roaming (CCKM)	Determines if the printer can roam from one access point to another without reauthenticating with the server. CCKM only works in wireless networks using LEAP.	Disable

Network IPv4

Setting	Description	Default
IP Assignment Method	Specifies how the printer obtains an IP address.	DHCP
IP Address	Specifies the unique network-level address that is assigned to each device in a TCP/IP network.	0.0.0.0
Subnet Mask	Specifies a number that defines the range of IP addresses that can be used in a TCP/IP network.	0.0.0.0
Default Router	Specifies the IP address of a router that is used when a device sends a packet to another subnet or to an unknown destination.	0.0.0.0
DHCP Response	Specifies if the printer receives DHCP responses by broadcast or unicast.	Broadcast

Network IPv6

Setting	Description	Default
IP Assignment Method	Specifies how the printer obtains an IP address.	Automatic
IP Address	Specifies the unique network-level address that is assigned to each device in a TCP/IP network.	None

Bluetooth

This section describes the Bluetooth settings. To view these settings:

- From the printer web page, click **Configure > Communications > Bluetooth**.
- From Printset or Print Set MC, click **Configuration > Communications > Bluetooth**.

Setting	Description	Default
Device Name	Sets the name that identifies the printer in the Bluetooth Network. Maximum length is 16 characters.	None
Discover	Determines if other Bluetooth devices can detect the printer.	Enable
Passkey	Sets the passkey that is used when pairing Bluetooth devices to the printer. Range is 1 to 16 characters (case-sensitive).	None
Reserve	Determines if the printer is exclusively reserved for one Bluetooth device. The first Bluetooth device that connects with the printer locks out any other connection attempts.	Disable
Pairing Confirmation	Enable/disable the need to confirm Bluetooth pairing through pressing the Print/Feed button. Disabling it will openly allow nearby devices to pair with the printer without needing to confirm.	Enable
Secure Simple Pairing	Enables Secure Simple Pairing. If disabled, legacy PIN-based pairing will be used.	Enable
BLE	Enables BLE advertisements for printer alerts. If disabled, no printer alerts will be sent over BLE. Disable if alerts are not required.	Enable

Printing Settings

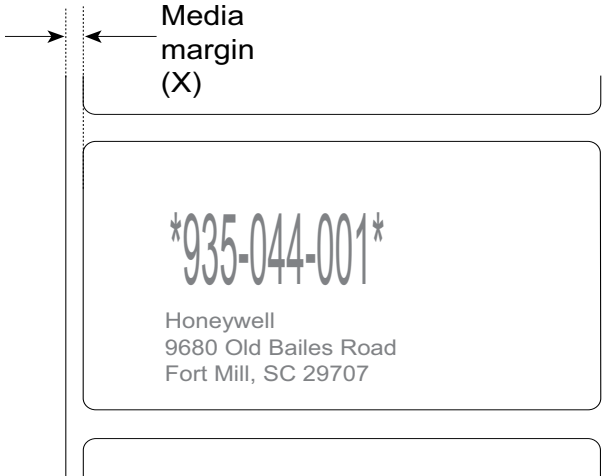
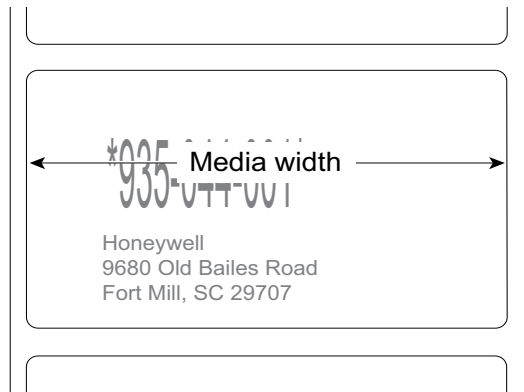
Use the Printing settings to manage media and print quality.

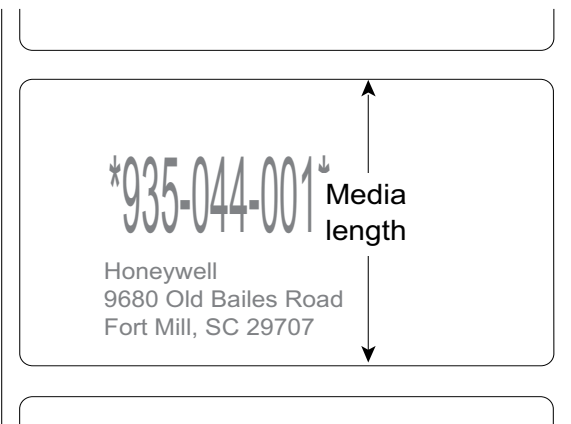
Media

This section describes media settings for the printer. To view these settings:

- From the printer web page, click **Configure > Printing > Media**.
- From Printset or Print Set MC, click **Configuration > Printing > Media**.

Setting	Description	Default
Media Type	Selects the type of media that is loaded in the printer.	Media with Gaps
Print Method	Selects the method of printing that the printer is using.	No Ribbon (DT)

Setting	Description	Default
Media Margin (X)	Sets the width of the margin from the left edge of the label along the printhead to the edge of the printable area. Unit of measurement is defined in the Unit of Measure setting of the General System Settings.  The diagram illustrates the Media Margin (X) setting. It shows a vertical line representing the left edge of the label. A horizontal arrow points from this edge to the start of the printable area, which is indicated by a vertical dashed line. The distance between these two lines is labeled 'Media margin (X)'. Below this, a sample label is shown with the text '*935-044-001*' and 'Honeywell 9680 Old Bailes Road Fort Mill, SC 29707'.	0
Media Width	Sets the width of the printable area measured from the media margin (X) across the printhead. Unit of measurement is defined in the Unit of Measure setting of the General System Settings.  The diagram illustrates the Media Width setting. It shows a sample label with the text '*935-044-001*' and 'Honeywell 9680 Old Bailes Road Fort Mill, SC 29707'. A horizontal double-headed arrow spans the width of the printable area, starting from the media margin (X) on the left and ending at the right edge of the printable area. This width is labeled 'Media width'.	812

Setting	Description	Default
Media Length	Sets the length of the printable area measured from one edge of the label to the edge that is closest to the printhead. Unit of measurement is defined in the Unit of Measure setting of the General System Settings. 	1219
Clip Default	Determines if the printer prints items outside the printable area of the label. When set to Off, the printer returns an error if any part of a barcode label cannot be printed because that part extends beyond the printable area. When set to On, the printer prints all barcode labels, but may also print unreadable, incomplete labels.	Off
Print Mode	Selects the printer media mode: tear off, peel-off, cutter, or rewind.	Tear off
Label Top Adjust	Sets the length of media the printer feeds (positive value) or retracts (negative value) before printing a label. Unit of measurement is defined in the Unit of Measure setting of the General System Settings. Range is -9999 to +9999.	0 dots
Label Reset Adjust	Sets the length of media the printer feeds (positive value) or retracts (negative value) after printing a label. Unit of measurement is defined in the Unit of Measure setting of the General System Settings. Range is -9999 to +9999.	0 dots
Media Calibration Mode	Selects the mode the printer uses to calibrate media. Use Fast calibration (ECO mode) to conserve media. The printer media calibration process will use a minimal length of labels. Use Slow calibration if the printer has trouble identifying gaps or marks in media. The printer media calibration process will use the length of multiple labels.	Slow
Length (Slow Mode)	If Media Calibration Mode is set to Slow, the printer prints the media length plus 10 mm. This value sets an additional amount of media to be printed. Unit of measurement is defined in the Unit of Measure setting of the General System Settings.	0 dots

Setting	Description	Default
Power Up Action	Sets the action when you turn the printer on: No Action Formfeed - The printer feeds one label. Testfeed - The printer prints two configuration labels as it calibrates the media sensors.	No Action
Head Down Action	Sets the action when you close the print mechanism after opening it: No Action Formfeed - The printer feeds one label. Testfeed - The printer prints two configuration labels as it calibrates the media sensors.	Formfeed
Hold Feed Button Action	Sets the action when you press and hold the Print/Feed button for more than 2 seconds: Test feed -The printer prints two configuration labels as it calibrates the media sensors. Smart Calibration - Detects media type (gap, black mark, or continuous) and calibrates media length.	Smart Calibration
Reprint Config	Configuration to allow reprints to be triggered by mapable keypress.	Disable
Label Counter	Specifies a label counter (from 1 to 49) that SNMP uses to report media counts.	0 (off)
Media Out Immediate Stop	Immediately stops feeding media when no media is detected.	Disable

Print Quality

This section describes print quality settings. To view these settings:

- From the printer web page, click **Configure > Printing > Print Quality**.
- From Printset or Print Set MC, click **Configuration > Printing > Print Quality**.

Setting	Description	Default
Print Speed	Sets how fast the printer prints labels. Unit of measurement is defined in the Unit of Measure setting of the General System Settings.	100
Media Sensitivity	Sets the level of sensitivity of the media to the printhead heat.	Very Low
Darkness	Sets the image darkness for media and ribbon. Adjust this parameter with the Media Sensitivity parameter. Range is 1 to 100.	75
Contrast	Adjusts the blackness of the printing on the label in 2% increments from -10% to +10%.	+0%
Label Rotation	Rotate the label in 0 (no rotation), 90, 180, and 270 degrees in clockwise.	0°

System Settings

Use the System Settings to manage system configuration, I/O, services, and maintenance alerts.

General

This section describes general system settings. To view these settings:

- From the printer web page, click **Configure > System Settings > General**.
- From Printset or Print Set MC, click **Configuration > System Settings > General**.

Setting	Description	Default
System Name	Sets the network identification name (WINS name) of the printer.	Printer model number and serial number
System Location	Sets the location of the printer.	None
System Contact	Sets the name of the printer administrator.	None
XML Response Mode	Determines if the printer provides XML responses to printing requests (over Telnet and HTTP).	False
Display Language	Selects the language the printer uses to display text on the screen.	English
Display Language (Web Page)	Selects the language the printer uses to display text on the web page.	English
Keyboard Input	Selects the language of the external keyboard that is connected to the printer.	U.S./U.K.
Time	Sets the current time.	System time
Date	Sets the current date.	System date
Command Language	Sets the printer command language. If changed, requires restart.	Autosense
Alert Notification Method	Selects how you want the printer to notify you of printer alerts.	SNMP Trap + Email
Unit of Measure	Selects the unit of measure that is used to define several printing parameters.	Dots
Zero with Slash	Determines how the zero character is printed and displayed on the screen. Disable (0) or Enable (Ø).	Disable
Time Zone	Sets the time zone.	(UTC 00:00) Universal Time
DST Adjust	Determines if Daylight Saving Time is automatically adjusted.	Disable
Legacy Mode	Enable or Disable Legacy EasyCoder PF/PM/ PX Comparability Mode.	Disable

Manage I/O

This section describes system I/O settings for the printer. To view these settings:

- From the printer web page, click **Configure** > **System Settings** > **Manage I/O**.
- From Printset or Print Set MC, click **Configuration** > **System Settings** > **Manage I/O**.

Setting	Description	Default
Ethernet	Determines if the printer is allowed to communicate using Ethernet communications.	Enable
Wireless 802.11	Determines if the printer is allowed to communicate using its 802.11 radio. Supported only if the optional Wi-Fi module is installed.	Enable
Bluetooth	Determines if the printer is allowed to communicate using Bluetooth. Supported only if the optional Bluetooth module is installed.	Enable

Manage Services

This section lists the system services you can manage from the printer. You will only see **Manage Services** from the menus if you have an Ethernet module installed in the printer. To view these services:

- From the printer web page, click **Configure** > **System Settings** > **Manage Services**.
- From Printset or Print Set MC, click **Configuration** > **System Settings** > **Manage Services**.

Setting	Description	Default
Web Server	Determines if the web server is enabled in the printer.	Enable
FTP	Determines if the printer can use FTP (File Transfer Protocol).	Disable
Net1	Determines if the printer can use Telnet to communicate with Direct Protocol (Fingerprint).	Enable
SNMP	Determines if the printer can use SNMP.	Enable
LPR	Determines if the printer can use the LPR (Line Printer Server) daemon.	Disable
SSH	Determines if the printer can use Secure Socket Handling (SSH).	Disable
Telnet	Determines if the printer can use Telnet to communicate with another device.	Disable
XML	Determines if the printer can use XML printing.	Enable

Setting	Description	Default
Time Server	Determines if the printer uses the Network Time Protocol (NTP) to synchronize its time with a network time server. The default Server Address is ntp0.cornell.edu , and the default Port Number is 123 .	Disable
Device Management	Determines if the printer can use 9300 TCP/IP port to communicate with HCD.	Enable
Connectivity Agent	Determines if the printer can communicate with Honeywell Cloud on port 10000.	Disable
Keep Alive	Determines if the printer can send periodic pings to the configured address.	Disable
SOTI Agent	Determines if the printer can connect and communicate with the SOTI Connect Server to manage the printer from SOTI MDM.	Disable

Maintenance Alerts

This section describes the Maintenance Alerts settings for the printer. To view these settings:

- From the printer web page, click **Configure > System Settings > Maintenance Alerts**.
- From Printset or Print Set MC, click **Configuration > System Settings > Maintenance Alerts**.

Setting	Description	Default
Odometer (User Resettable)	Sets the length of media (in meters) that the printer prints before the Odometer (User Resettable) alert is sent, if this alert is configured. Range is 0 to 4294967295.	0
Odometer (Printer)	Sets the length of media (in meters) that the printer prints before the Odometer (Printer) alert is sent. Range is 0 to 4294967295.	0
Odometer (Printhead)	Sets the length of media (in meters) that the printer prints before the Odometer (Current Printhead) alert is sent, if this alert is configured. Range is 0 to 4294967295.	0
Replace Printhead	Sets the length of media (in meters) that the printer prints before the Replace Printhead alert is sent, if this alert is configured. Range is 0 to 4294967295.	0
Clean Printhead	Sets the length of media (in meters) that the printer prints before the Clean Printhead alert is sent, if this alert is configured. Range is 0 to 4294967295.	0
Faulty Dot	Sets the number of faulty dots on the printhead before the Faulty Dot alert is sent, if this alert is configured. Range is 0 to 65536.	0

Setting	Description	Default
Media Low Diameter	Sets the minimum diameter of the media roll before the Media Low alert is sent, if this alert is configured. Range is 0 to 200 mm. The media low sensor range is based on the core size of the media roll: 0.5-inch: 17.2-71.8mm 1.0-inch: 30.9-72.8mm 1.5-inch: 48.7-73.9mm	0

Alerts Settings

This section describes System alerts, including Error, Warning, and Information Alerts. To view these settings:

- From the printer web page, click **Configure > Alerts**.
- From Printset or Print Set MC, click **Configuration > Alerts**.

Use the Email Server settings of the Network Services settings to set up alerts.

The Alerts settings use the following parameters:

Alert	Description
Status	Determines if an alert is sent out for a specific error.
Delay Repeats	Sets how often the alert is sent out for a specific printer event. Range is 1 to 65535.
Delay Unit	Selects the unit of measure that determines how often the alert is sent out.
Message	Sets the message that is sent out with alert for a specific printer event.

Error

Errors Alerts	Default Values			
	Status	Delay Repeat	Delay Unit	Message
Next Label Not found	Disable	1	Occurrences	Error-Next label not found
Out of Media	Enable	1	Occurrences	Error-Out of media
Printer in Pause Mode	Disable	1	Occurrences	Printer in pause mode
Printer in Menu Mode	Disable	1	Occurrences	Printer in menu mode
Application Break	Disable	1	Occurrences	Error-Application break
RFID Not Installed	Disable	1	Occurrences	Error-RFID not installed
Printhead Lifted	Enable	1	Occurrences	Error-Printhead lifted
Printhead Not Detected	Disable	1	Occurrences	Error-Printhead not detected
Printhead Too Hot	Disable	1	Occurrences	Error-Printhead too hot
Motor Too Hot	Disable	1	Occurrences	Error-Motor too hot
Memory Full	Disable	1	Occurrences	Error-Memory full

Errors Alerts	Default Values			
	Status	Delay Repeat	Delay Unit	Message
Flash Memory Full	Disable	1	Occurrences	Error-Flash memory full

Warning

Warning Alerts	Default Values			
	Status	Delay Repeat	Delay Unit	Message
Media Low	Enable	1	Occurrences	Warning-Media low
Upgrading Firmware	Disable	1	Occurrences	Warning-Upgrading firmware
Odometer (User Resettable)	Disable	1	Occurrences	Warning-Odometer (User Resettable) has reached a preset value
Odometer (Printhead)	Disable	1	Occurrences	Warning-Odometer (Printhead) has reached a preset value
Odometer (Printer)	Disable	1	Occurrences	Warning-Odometer (Printer) has reached a preset value
Replace Printhead	Disable	1	Occurrences	Warning-Replace printhead
Clean Printhead	Disable	1	Occurrences	Warning-Clean printhead
Faulty Dot	Disable	1	Occurrences	Warning-Faulty dot is detected
Flash Memory Low	Disable	1	Occurrences	Warning-Flash memory low

Information

Information Alerts	Default Values			
	Status	Delay Repeat	Delay Unit	Message
Print Job Complete	Disable	1	Occurrences	Print Job Complete
Started	Disable	1	Occurrences	Printer is started
Printer is Rebooting	Disable	1	Occurrences	Printer is Rebooting

Network Services Settings

Use the Network Services settings to manage network services for the printer.

DNS

This section describes the DNS settings for the printer. To view these settings:

- From the printer web page, click **Configure** > **Network Settings** > **DNS**.

- From Printset or Print Set MC, click **Configuration > Network Settings > DNS**.

Setting	Description	Default
Primary DNS Server	Sets the IP address of the primary server to which the printer sends DNS requests. The DNS server retains IP addresses and routing information for the TCP/IP network.	0.0.0.0
Secondary DNS Server	Sets the IP address of the secondary server to which the printer sends DNS requests. The DNS server retains IP addresses and routing information for the TCP/IP network.	0.0.0.0

Net1

This section describes the Net1 settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Settings > Net1**.
- From Printset or Print Set MC, click **Configuration > Network Settings > Net1**.

Setting	Description	Default
Queue	Selects how the printer handles multiple Net1 connections.	On
Port Number	Sets the port number that defines the Net1 TCP port. The range is from 1024 to 65535.	9100
New Line Character	Defines the characters that the printer echoes to the host to indicate that it has moved to a new line.	CR/LF
Timeout	Sets the timeout value in seconds that printer uses to check the existing connection when the connection is terminated from other end. Range is 60 to 700 seconds.	700
Secure Communication	Determines if TLS encryption is used for data communication.	Disable

Email Server

This section describes the email server settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > Email Server**.
- From Printset or Print Set MC, click **Configuration > Network Services > Email Server**.

Setting	Description	Default
Mode	Selects the mode the printer uses to communicate with the email server.	Manual
Port Number	Sets the port number the printer uses to communicate with email server. Range is 1 to 65535.	25

Setting	Description	Default
Server Address	Sets the IP address of the email server.	0.0.0.0
From Address	Sets the email address of the person who will receive the alert messages.	None
To Address	Sets the email address that appears as the sender of the alert messages.	None
Email Password	Sets the password the printer uses to communicate with SMTP SSL service.	None

SNMP

This section describes the SNMP settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > SNMP**.
- From Printset or Print Set MC, click **Configuration > Network Services > SNMP**.

Setting	Description	Default
Authentication Failure Trap	Determines if the printer sends a trap to its management station when a request is received from an unauthorized source.	Disable
Read Community	Sets the name of the community that has rights to read the SNMP MIBs.	None
Write Community	Sets the name of the community that has rights to write the SNMP MIBs. Range is 1 to 32 characters.	None
SNMPvP1 Status	Determines if the printer supports SNMPvP1 functionality.	Enable
SNMPvP2 Status	Determines if the printer supports SNMPvP2 functionality.	Enable
Trap Status 1 - 4	Determines if the trap is enabled or disabled	Enable
Trap Name 1 -4	Sets a descriptive name for the trap.	None
Trap Address 1 -4	Sets the IP address of this trap.	0.0.0.0
Trap Port Number 1-4	Sets the port number of this Trap address. Range 1 to 65535.	162
Trap Community 1 - 4	Sets the name of the trap community. Range 1 to 32 characters.	Public
SNMPv3 Username	Sets the username that the printer uses when communicating with its management station. Range is 1 to 32 characters.	None
SNMPv3 Authentication Key	Sets the password that is used to generate a key that verifies that the printer is authorized to communicate with the management station. Range is 8 to 32 characters.	None
SNMPv3 Encryption Key	Sets the password that is used to generate a privacy key that is used for encryption. Range is 8 to 32 characters.	None
SNMPv3 Authentication Protocol	Selects the algorithm that the printer uses to determine that the messages are from valid source.	SHA256
SNMPv3 Encryption Protocol	Selects the type of encryption that the printer uses to prevent messages from being seen by an unauthorized user.	AES

WINS

This section describes the WINS settings for the printer. To view these settings:

- From the printer web page, click **Configure** > **Network Settings** > **WINS**.
- From Printset or Print Set MC, click **Configuration** > **Network Settings** > **WINS**.

Setting	Description	Default
Primary WINS Server	Sets the IP address of the primary server to which the printer sends WINS requests. The WINS server retains IP addresses and routing information for the TCP/IP network.	0.0.0.0
Secondary WINS Server	Sets the IP address of the secondary server to which the printer sends WINS requests. The WINS server retains IP addresses and routing information for the TCP/IP network.	0.0.0.0

Web Server

This section describes the Web Server settings for the printer. To view these settings:

- From the printer web page, click **Configure** > **Network Settings** > **Web Server**.
- From Printset or Print Set MC, click **Configuration** > **Network Settings** > **Web Server**.

Setting	Description	Default
Image Buffer	Determines if the image buffer appears in the printer web page.	Enable
Web Server Protocol	Selects web server protocol. Auto (HTTP+HTTPS) or HTTPS only.	HTTPS only
Webpage Customization	Determine whether the web server will run a customized web page.	Disable

Time Server

This section describes the Time Server settings for the printer. To view these settings:

- From the printer web page, click **Configure** > **Network Settings** > **Time Server**.
- From Printset or Print Set MC, click **Configuration** > **Network Settings** > **Time Server**.

Setting	Description	Default
Server Address	Sets the address the printer uses to communicate with time server.	ntp0.cornell.edu

Setting	Description	Default
Port Number	Sets the port number the printer uses to communicate with the time server.	123

Connectivity Agent

This section describes the connectivity agent settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > Connectivity Agent**.
- From Printset or Print Set MC, click **Configuration > Network Services > Connectivity Agent**.

Setting	Description	Default
Server Address	Sets the IP address of the connectivity server.	0.0.0.0
Server Hostname	Sets the Hostname of the connectivity server.	hostname.dns.com
Port Number	Sets the port number printer uses to communicate with the connectivity server.	10000
Telemetry Frequency (Seconds)	Sets the telemetry frequency (in seconds) of the connectivity agent at which telemetry data has to be sent to the connectivity server.	21600
Unique ID	Sets the unique ID from the connectivity server.	None
Fingerprint Validation	Sets the fingerprint ID from the connectivity server.	None
Update Request Interval (Minutes)	Sets the interval (in minutes) to send the auto update request to connectivity server.	60
Buzzer	Sets the buzzer to beep while downloading/updating the file.	Disable

XML Printing

This section describes the XML printing settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > XML Printing**.
- From Printset or Print Set MC, click **Configuration > Network Services > XML Printing**.

Setting	Description	Default
Port Number	Sets the port number that defines the TCP port of XML printing. Range is 1024 to 65535.	9200
Secure Communication	Determines if TLS encryption is used for data communication.	Disable

Device Management

This section describes the device management settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > Device Management**.
- From Printset or Print Set MC, click **Configuration > Network Services > Device Management**.

Setting	Description	Default
Secure Communication	Determines if TLS encryption is used for data communication.	Enable

Keep Alive

This section describes the keep alive settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > Keep Alive**.
- From Printset or Print Set MC, click **Configuration > Network Services > Keep Alive**.

Setting	Description	Default
Ping Interval	Sets the interval (in seconds) of the keep-alive service at which ping will be sent.	300
Ping Destination	Sets the IP Address or Hostname of the target device to ping.	None

SOTI Agent

This section describes the SOTI agent settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > SOTI Agent**.
- From Printset or Print Set MC, click **Configuration > Network Services > SOTI Agent**.

Setting	Description	Default
MQTT Broker Hostname	Sets the Hostname/IP Address of the SOTI Connect MQTT Broker.	hostname.dns.com
MQTT Port Number	Sets the port number the printer uses to communicate with the SOTI MQTT Broker	1883
MQTT QoS	Sets the Quality of Service (QoS) the printer uses to communicate with the SOTI MQTT Broker.	1
MQTT Tenant ID	Sets the Tenant ID that will be used in the MQTT Topics.	None

Setting	Description	Default
MQTT TLS Communication	Sets the TLS Secure Communication while connecting with MQTT Broker.	One-Way
MQTT Keep Alive	Sets the Keep Alive frequency (In Seconds) the printer uses while connecting with the SOTI MQTT Broker.	60
MQTT Clean Session	Sets the Clean Session flag the printer uses while connecting with the SOTI MQTT Broker.	Enable
MQTT Broker Username	Sets the User Name the printer uses while connecting with the SOTI MQTT Broker.	None
MQTT Broker Password	Sets the Password the printer uses while connecting with the SOTI MQTT Broker.	None

FTP Server

This section describes the FTP server settings for the printer. To view these settings:

- From the printer web page, click **Configure > Network Services > FTP Server**.
- From Printset or Print Set MC, click **Configuration > Network Services > FTP Server**.

Setting	Description	Default
Port Number	Sets the port number the printer uses to communicate with the FTP server. FTP service needs to be disabled and re-enabled for the changes to take effect.	21

Languages Settings

Use the Languages settings to manage printer control languages for the printer.

IPL

This section describes the IPL language settings for the printer. To view these settings:

- From the printer web page, click **Configure > Languages > IPL**.
- From Printset or Print Set MC, click **Configuration > Languages > IPL**.

Setting	Description	Default
Media		
Printhead Loading Mode	Selects the printhead loading mode that affects how the whole image prints on the label. Mirror Printing mode reverses the order in which data loads into the printhead. Inverse Printing mode causes all pixels that are white to invert to black and vice versa.	Normal

Setting	Description	Default
X Origin	Shifts the X-position from its absolute position by the specified value. Range is -30 to 30.	0
Y Origin	Shifts the Y-position from its absolute position by the specified value. Range is -60 to 32760.	0
Label Taken Sensor	Turns the label taken sensor on or off, which enables or disables the label dispenser (self-strip) option.	Disable
Rewinder	Enables or disables rewinding.	Disable
Rewinder Distance	Sets the number of dots the rewind stepper motor starts after the media starts feeding.	100
Label Top	Sets the top of form (left margin or start print point). Distance is in 5 mil increments from label origin to its leading edge.	20
Rest Point	Adjust the point at which labels stop for removal. Use this command for self-strip and cutter applications.	0
End Skip Distance	Sets the end-of-print skip distance. This distance is a value in 5 mil increments that the label advances after printing or when you pause printing.	0
Label Retract	Enables or disables the label retract feature.	Enable
Retract Distance	Sets the label retract distance.	0
Media Fault Recovery	Enables or disables the media fault recovery mode. Enable to reprint the interrupted label.	Enable
Print Quality		
Printing Mode	Selects the printer operating mode.	Advanced (5 mil)
Legacy Mode	Enables or disables IPL Legacy mode.	Disable
Image Compress	Changes the image compression percentage. Range is 0 to 100.	0
Media Sensitivity	Sets the darkness or media sensitivity value. Range is 0 to 999.	None
Minimum Point Size	Sets the minimum point size for text fields. Range is 3 to 288.	4
Cutter		
Cutter	Enables or disables the cutter (if the cutter option is installed). Reset the printer after sending this command.	Disable
General Settings		
Printer Language	Selects the code page that is specific to a language or region. Range is 0 to 20, 30 to 33, and 40.	0
Preamble Character	Sets the preamble character for response strings from the printer to the host. Range is 0 to 127.	0
Postamble Character	Sets the postamble character for response strings from the printer to the host. Range is 0 to 127.	0
Direct Graphics Emulation	Enables or disables the printer to print graphics with the same origin offset as the legacy 7421 printer.	Disable
Response Protocol	Sets the serial and parallel port configuration.	Disable
Auto-Transmit x	Enables auto-transmit levels 1, 2, or 3.	Disable

Setting	Description	Default
Auto-Transmit Disable	Enables or disables the auto transmit printer status responses.	Enable
Null Ignore	Determines if null characters in the data are ignored.	Disable
Commands Ignore	Determines if a set list of configuration commands is ignored. All shift commands can be ignored. When this command is enabled, these configuration commands are ignored by default.	Disable
Legacy Barcode Mode	Enables or disables IPL Legacy Barcode mode.	Disable

ZSim

This section describes the ZSim language settings for the printer. To view these settings:

- From the printer web page, click **Configure > Languages > ZSim**.
- From Printset or Print Set MC, click **Configuration > Languages > ZSim**.

Setting	Description	Default
Print Quality		
Label Rotation	Flips the label orientation. When set to On, the label is printed upside down.	Off
Allow Reverse Print	Allow reverse printing (black background with white letters) on the label, either for the entire label (^LR) or for specific fields (^FR).	On
Simulator Resolution	Sets your printer to the resolution of the printer it is simulating. Note: Differences in resolution may cause degradation of bar code quality.	Default
Media Darkness	Sets Media Darkness offset from current darkness value. The value reverts to the default (0) on printer restart.	0
General Settings		
Command Character	Changes the format instruction prefix to another ASCII character.	94
Control Character	Changes the command instruction prefix from the tilde to another ASCII character.	126
Delimiter Character	Changes the delimiter instruction prefix to any other ASCII character.	44
Printer Name	Change default printer name. The name can be obtained with -HI command.	Printer name
Software Version	Change default software version to another version. The name can be obtained with -HI command.	Software Version
Reprint	Determines whether to reprint the last printed label when the Feed button is pressed.	Off
Network ID	The network ID used by ^NI and related commands.	0

Setting	Description	Default
Ignore Commands		
<Command Name>	When enabled, the printer will ignore the selected command. Refer to the ZSim Command Reference Guide available at automation.honeywell.com for information on commands.	Off

TPCL

This section describes the TPCL language settings for the printer. To view these settings:

- From the printer web page, click **Configure > Languages > TPCL**.
- From Printset or Print Set MC, click **Configuration > Languages > TPCL**.

Setting	Description	Default
General Settings		
Command Mode	TPCL print command mode.	Label Mode
Printer ID	TPCL printer ID.	None
Character Code	TPCL character code.	PC850
Ignore Commands		
<Command Name>	When enabled, the printer will ignore the selected command. Refer to the TPCL Command Reference Guide available at automation.honeywell.com for information on commands.	Off

ESim

This section describes the ESim language settings for the printer. To view these settings:

- From the printer web page, click **Configure > Languages > ESim**.
- From Printset or Print Set MC, click **Configuration > Languages > ESim**.

Setting	Description	Default
General Settings		
Top of Form	Determines if the media automatically backs up to the top of form at the start of printing.	Disable
Label Rotation	Sets the print direction. On/Top means the label will appear right-side when viewed from the front of the printer. Off/Bottom means it will appear upside-down.	On
Codepage	The character codepage for printing.	PC850
Legacy Mode	Enables or disables legacy PF8 compatibility mode.	Disable
Auto Expand	Enables or disables the extending of the print image on the following labels, if the print image size is longer than the physical length of label.	Enable

Setting	Description	Default
Ignore Commands		
<Command Name>	When enabled, the printer will ignore the selected command. Refer to the ESim Command Reference Guide available at automation.honeywell.com for information on commands.	Off

DPL

This section describes the DPL language settings for the printer. To view these settings:

- From the printer web page, click **Configure > Languages > DPL**.
- From Printset or Print Set MC, click **Configuration > Languages > DPL**.

Setting	Description	Default
System Settings		
Default Mode	Select default mode for storing and recalling in DPL mode.	Module D
Single Byte Symbol Set	Selects default single byte symbol set for DPL labels.	PM
Double Byte Symbol Set	Selects default double byte symbol set for DPL labels.	UC
Format Attributes	Selects default format attributes for DPL labels.	XOR
Column DPI Emulation	Selects default column position DPI emulation (153 to 350) for DPL labels.	0
Row DPI Emulation	Selects default row position DPI emulation (103 to 400) for DPL labels.	0
Label Store	Selects default format for storing DPL labels.	State and Fields
Units of Measure	Selects default units of measurement for DPL labels.	Imperial
Column Adjust	Adjust starting column position (~300 to 300 dots) of the label.	0
Row Offset	Sets vertical offset (0 to 6000) dots of the image for DPL labels.	0
Pause Mode	Pause after every label.	Off
Use British Lbs	Use symbol for British lbs.	Disable
Reprint	Determines whether to reprint the last printed label when the Feed button is pressed.	Off
Line Mode	Enable or disable line mode.	Disable
User Label Mode	When enabled, printer displays list of DPL format templates after boot-up.	Disable
Cancel Batch	Enable or disable SOH C command to cancel all remaining	Disable
Host Settings		
Feedback Characters	Enables or disables the feedback ASCII hex characters.	Disable
Control Codes		
Control Code Sets	Selects standard or alternative control set.	Standard

Setting	Description	Default
Custom SOH Char	Enter SOH control character (0-255 decimal).	1
Custom STX Char	Enter STX control character (0-255 decimal).	2
Custom CR Char	Enter CR control character (0-255 decimal).	13
Custom CNTBY Char	Enter CNTBY control character (0-255 decimal).	94
Ignore Commands		
Ignore <Command Name>	When enabled, the printer will ignore the selected command. Refer to the DPL Command Reference Guide available at automation.honeywell.com for information on commands. Note: Default for Ignore SOH Data is "On."	Off

FP/DP

This section describes the FP/DP language settings for the printer. To view these settings:

- From the printer web page, click **Configure > Languages > FP/DP**.
- From Printset or Print Set MC, click **Configuration > Languages > FP/DP**.

FP/DP	Description	Default
Ignore Commands		
Ignore <Command Name>	When enabled, the printer will ignore the selected command.	Off

PRINT LABELS WITH INPRINT

The INPrint Page

The INPrint page features sample web forms you can use to print single labels if you are using the Fingerprint or Direct Protocol Language on your printer. Select a web form from the lists and enter information in the fields for that label. You can then preview and print the label.

The printer firmware includes several predefined label formats. You can also copy your own label formats to the printer and print them from the INPrint page.

Print INPrint Labels

If the printer is connected to an Ethernet or Wi-Fi network, you can print labels by entering information in a web form. Access the web forms through the printer web page.

1. Open a browser window on your PC.
2. In the location or address bar, type **https://** then the printer IP address and press **Enter**. The printer web page appears.
3. Click the **INPrint** tab.
4. Select the web form you want to print:
 - If you created the web form yourself, click **Customer Downloaded** and then select the web form in the list.
 - To use one of the Honeywell resident web forms, click **Resident** and then select the web form in the list.
5. Type information in the web form as needed.

To preview the label on screen, click **Preview**. To print the label, click **Print**.

INSTALLING ACCESSORIES

Cutter Module

The cutter module allows you to cut non-adhesive media into individual labels.

Out of the Box

You will find the following item in the shipping box: cutter module.

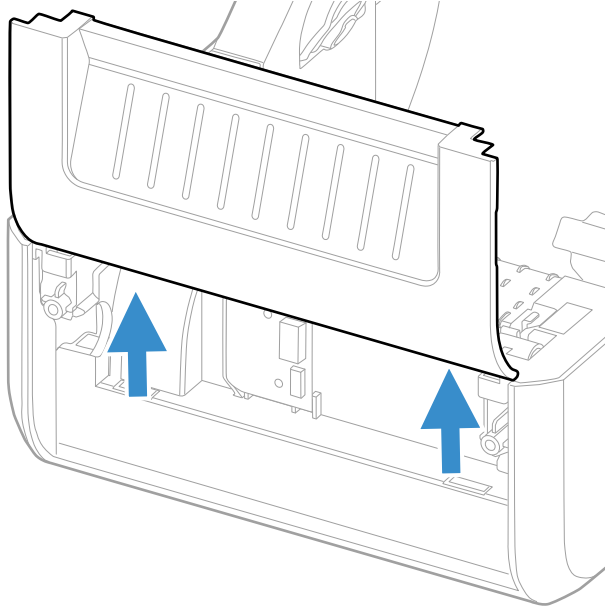
Installation



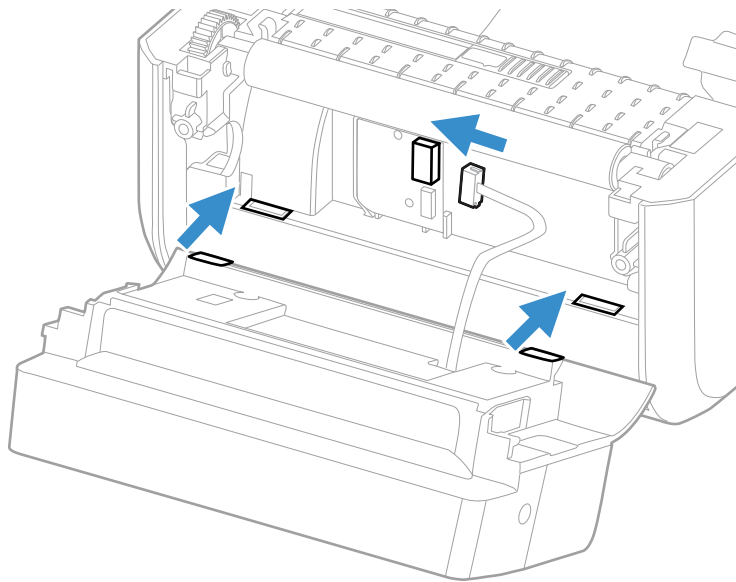
Caution: Before you begin, turn off the printer and disconnect the power cord and communication cables.

1. Turn the printer off and disconnect the power cord.
2. Push the cover latches towards the front of the printer and open the cover.

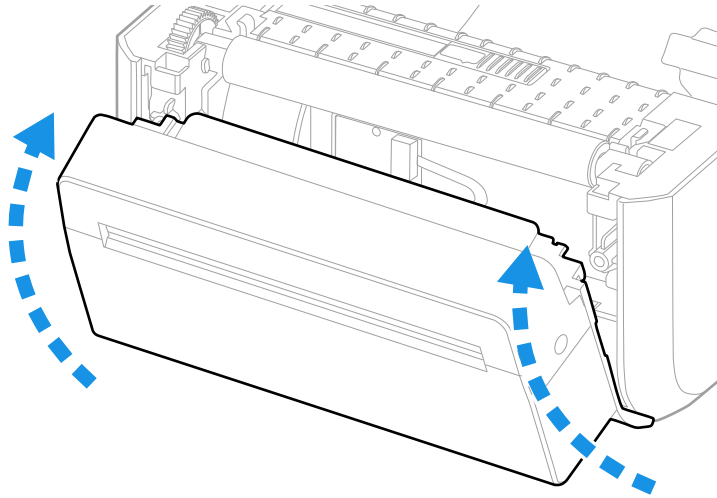
3. Remove the tear bar by pushing it upwards.



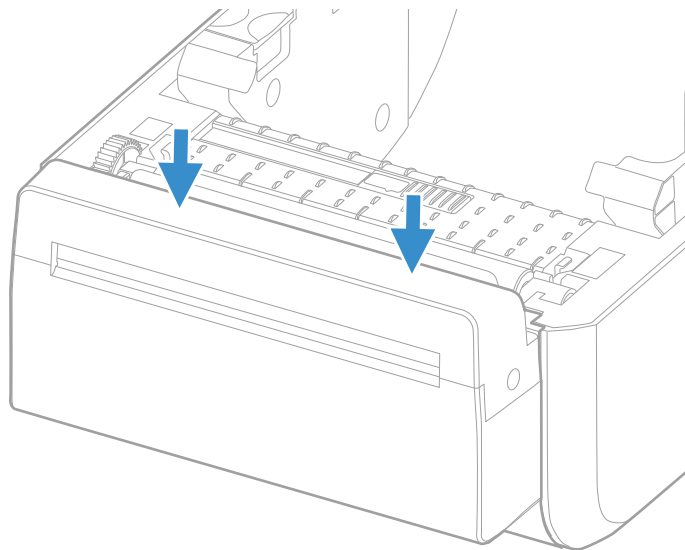
4. Insert the cable on the cutter module into connector on the printer and slide the tabs on the module into the slots on the printer.



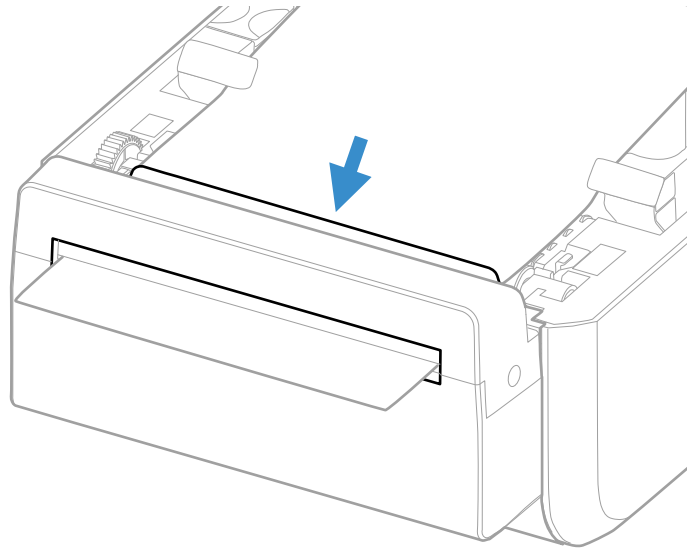
5. Lift the cutter module into the printer.



6. Push down the cutter module to secure it on the printer.



7. Load media under the bar in the back of the cutter module and out of the opening at the front of the module.



8. Close the printer cover.

Peel-Off Module

The peel-off module allows you to remove labels from the liner of self-adhesive label stock as part of the printing process.

Out of the Box

You will find the following item in the shipping box:

- Peel-off module.
- Fastening screws.

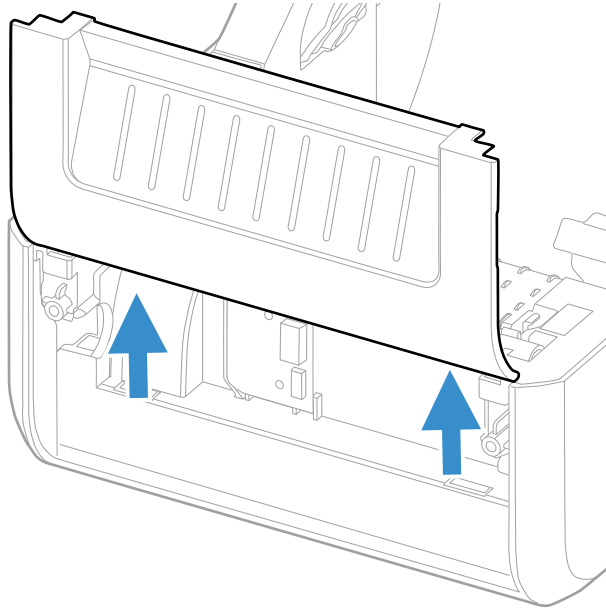
Installation



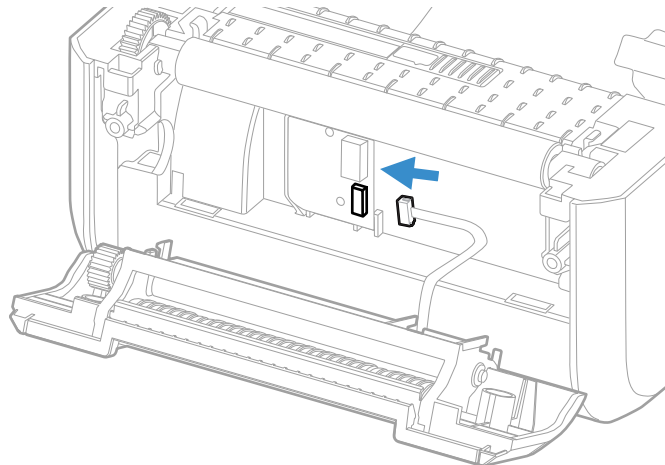
Caution: Before you begin, turn off the printer and disconnect the power cord and communication cables.

1. Turn the printer off and disconnect the power cord.
2. Push the cover latches towards the front of the printer and open the cover.

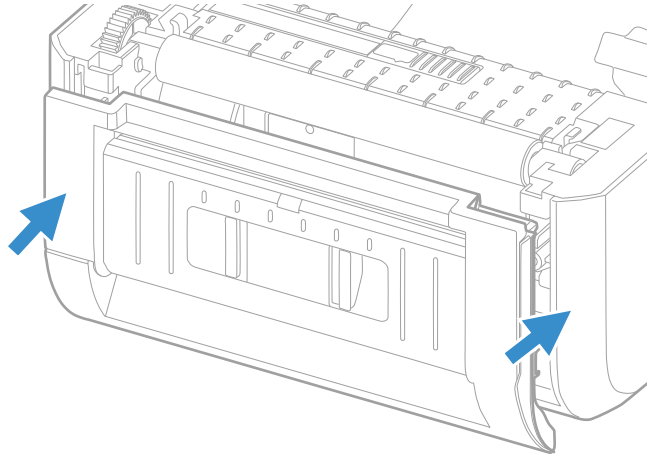
3. Remove the tear bar by pushing it upwards.



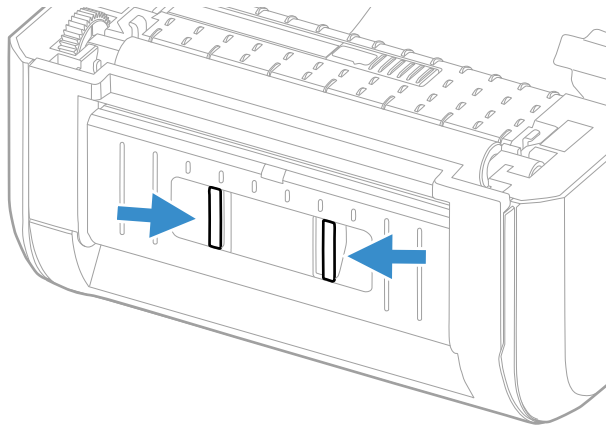
4. Insert the cable on the peel-off module into the connector on the printer.



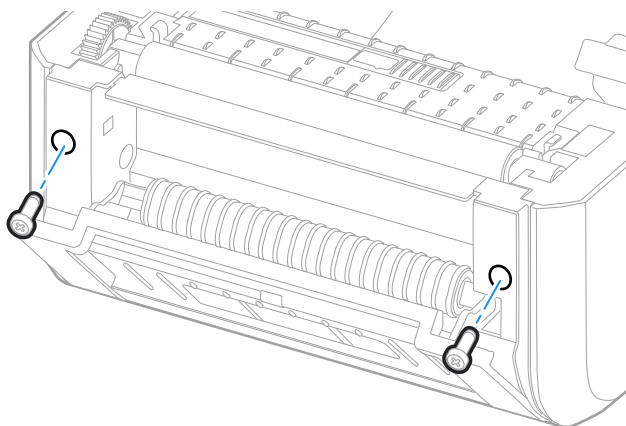
5. Push in the peel-off module into the printer until it clicks into place.



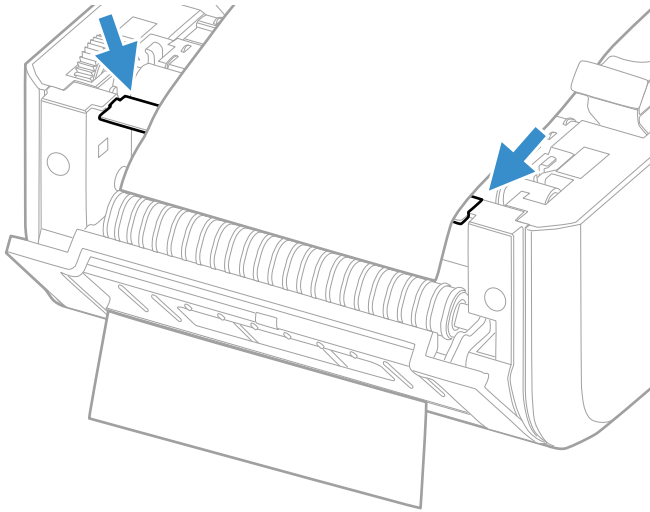
6. Press in both buttons on the front of the peel-off module to open the module door.



7. Use a Phillips screwdriver to insert the screws that fasten the peel-off module to the printer.



8. Load media over the bar on top of the peel-off module. Pass the media between the two rollers inside the module and out of the opening at the bottom of the module.



9. Close the door on the peel-off module.
10. Close the printer cover.

Bluetooth Module and Bluetooth/Wi-Fi Module

The Bluetooth module allows you to connect to the printer with a Bluetooth™ connection.

The Bluetooth/Wi-Fi module allows you to connect to the printer with a Bluetooth or Wi-Fi connection.

Out of the Box

You will find the following item in the shipping box:

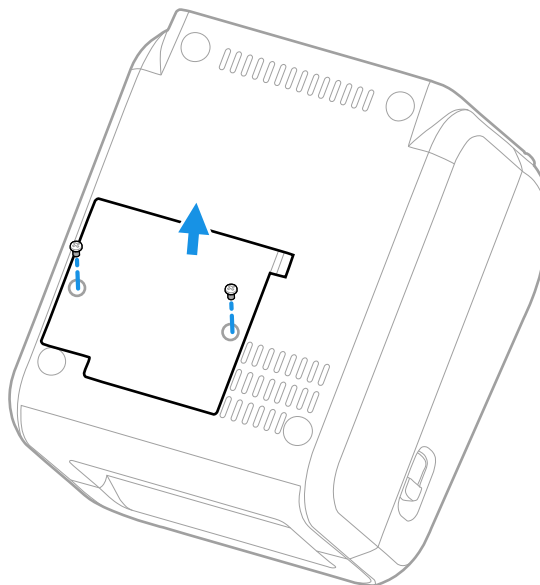
- Bluetooth module or Bluetooth/Wi-Fi module
- Fastening screws

Installation

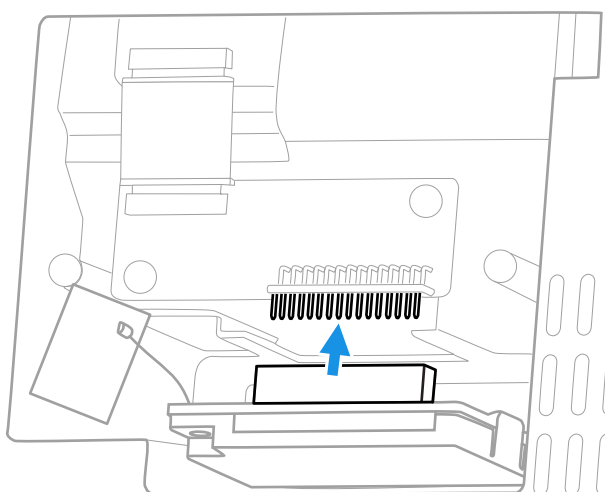


Caution: Before you begin, turn off the printer and disconnect the power cord and communication cables.

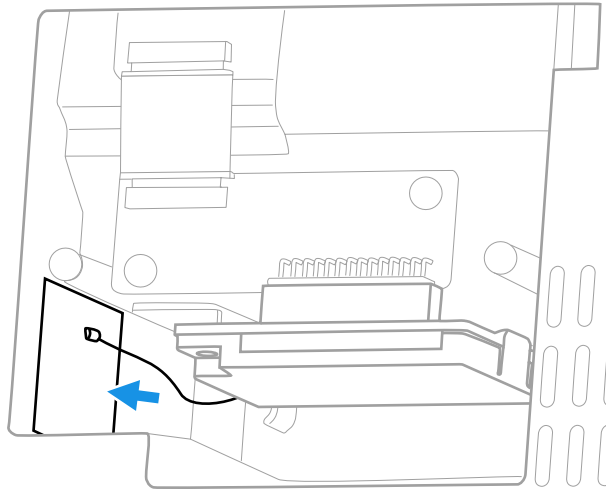
1. Turn the printer off and disconnect the power cord.
2. Use a Phillips screwdriver to remove the screws from the module door at the bottom of the printer and remove the module door.



3. Insert the module into the printer and attach the module to the connectors on the printer.



4. Remove the adhesive backing from the antenna and attach the antenna to the printer.



5. Replace the module door and insert the screws into the door.

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