Honeywell

RP2f/RP4f*

Mobile Printers

User Guide

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Patent

For patent information, refer to www.hsmpats.com.

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The enclosed firmware (software) resident in the printer is owned by Licensor or its suppliers and is licensed for used only on a single printer in the user's trade or business. The user agrees not to, and not to authorize or permit any other person or party to, duplicate or copy the firmware or the information contained in the non-volatile or programmable memory. The firmware (software) is protected by applicable copyright laws and Licensor retains all rights not expressly granted. In no event will Licensor or its suppliers be liable for any damages or loss, including direct, incidental, economic, special or consequential damages, arising out of the use or inability to use the firmware (software).

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Customer Support

Technical Assistance

To search our knowledge base for a solution or to log in to 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 sps.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 sps.honeywell.com and select **Support > Warranties**.

Safety Precautions for Lithium Batteries

⚠

Caution: **Before you attempt to use, charge or replace the battery in the device, carefully read all labels, markings and product documentation provided in the box or online at sps.honeywell.com. To learn more about Battery Maintenance for Portable Devices, go to honeywell.com/PSS-BatteryMaintenance.**

Avant d'essayer d'utiliser, de charger ou de remplacer la batterie de l'appareil, lisez attentivement toutes les étiquettes, marquages et documentation du produit fournis dans la boîte ou en ligne à sps.honeywell.com. Pour en savoir plus sur l'Entretien de Batteries pour Appareils Portables, consultez-le honeywell.com/PSS-BatteryMaintenance.

⚠

Caution: **We recommend use of Honeywell Li-ion battery packs. Use of any non-Honeywell battery may result in damage not covered by the warranty.**

Nous recommandons l'utilisation de batteries Li-ion de la marque Honeywell. L'utilisation d'une batterie d'un autre fabricant est susceptible de provoquer des dommages non couverts par la garantie.

⚠

Caution: **Ensure all components are dry prior to placing the battery in the device. Mating wet components may cause damage not covered by the warranty.**

Assurez-vous que tous les composants sont secs avant d'insérer la batterie dans l'appareil. L'insertion de composants humides risque de provoquer des dommages non couverts par la garantie.

- Do not place batteries in fire or heat the batteries.

- Do not store batteries near fire or other high temperature locations.

- Do not store or carry batteries together with metal objects.

- Do not expose batteries to water or allow the batteries to get wet.

- Do not connect (short) the positive and negative terminals of the batteries to each other with any metal object.

- Do not pierce, strike or step on batteries or subject batteries to strong impacts or shocks.

- Do not disassemble or modify batteries.

Caution: There is a danger of explosion if the batteries are incorrectly replaced. Replace the batteries with only the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the recycle program for batteries as directed by the governing agency for the country where the batteries are to be discarded.

Important Safety Instructions

This printer has been designed to provide many years of safe, reliable performance. As with all types of electrical equipment, however, there are a few basic precautions you should take to avoid hurting yourself or damaging the equipment:

- Read the installation and operating instructions.

- Read and follow all warning instruction labels on the printer.

- Make sure all openings on the printer remain unblocked. Never insert anything into the openings or ventilation slots.

- Do not place the printer near a heat source.

- Do not use your printer near water or spill liquid into it.

- Be certain that your power source matches a listed voltage rating for the printer (if unsure, check with your dealer or local utility company).

- Do not place the power cord where it can be stepped on and, if the power cord becomes damaged, immediately replace it.

- Do not pull the media to remove it. Forcefully pulling the media out of the printer may damage components on the main board.

Caution: We recommend the use of Honeywell accessories and power adapters. Use of any non-Honeywell accessories or power adapters may cause damage not covered by the warranty. Nous recommandons d'utiliser des accessoires et des adaptateurs secteur de marque Honeywell. L'utilisation de tout accessoire ou adaptateur secteur d'une autre marque est susceptible de provoquer des dommages non couverts par la garantie.

If service is required, use only qualified trained technicians to repair your printer. See Customer Support.

Note: *Use only Honeywell approved power supply with an output rated at 12 VDC and 1.66A or greater. The operating temperature is 0 ºC to 40 ºC (32 ºF to 104ºF).*

1 GET STARTED

Introduction

The RP Series printer family blends the rugged durability with state-of-the-art electronics and user-friendly features to redefine the standard in portable thermal printers. The printer's USB, WiFi LAN, and Bluetooth® technology offers an easy interface to any host system.

To print labels or receipts, refer to the instructions included with the software you use to create the labels.

A Windows® printer driver can be found on our website. For more information, see Software Downloads.

Features

- USB device port to connect to PC.
- Multiple printer languages support including Fingerprint (FP), Direct Protocol (DP), Intermec Printer Language (IPL), Zebra Programming Language Simulator (ZSim), Datamax Printer Language (DPL), Smart Printing (C#), Direct PDF printing, EZ-Print and CPCL Simulator (CSim).

Unpack Your Device

After you open the shipping carton containing the product, take the following steps:

- Check for damage during shipment. Report damage immediately to the carrier who delivered the carton.
- Make sure the items in the carton match your order.
- Save the shipping container for later storage or shipping.

In order to print from your printer, the following items are required. If you do not have these items, contact your customer support or sales representative for advice on where to purchase the items or where the required software can be downloaded.

- Power Supply (sold separately)
  The appropriate power supply for your region is required and is not included as part of the printer purchase. If you do not have an applicable power supply for your printer, you will need to order one.

- Connection Cable
  You will need a standard Mini B to USB A cable if you are connecting your printer via USB.

- Print Media
  Honeywell offers a full line of applicable printing labels, receipt media, and supplies.

About the Battery

Power is supplied to the printer by a rechargeable lithium ion battery. Batteries are shipped only partially charged. The battery should be charged for a minimum of 4 hours before initial use to ensure optimal performance.

Warning: **The maximum operating temperature of the printer is 131°F (55°C), however the maximum operating temperature for charging when used with a Honeywell power supply is limited to 104°F (40°C). Charge the printer in a location that meets this temperature requirement.**

See Battery Charge Information on page 31 for further information about the battery.

Charge the Battery

1. Install the battery in the printer. Align the release tab with the same side as the charge contacts and lock the battery into position. The latch clicks into place when properly seated.
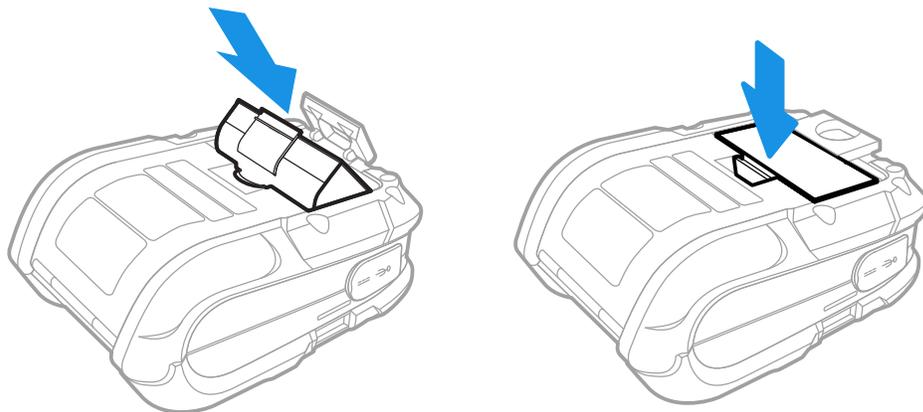
2. Connect the power supply to printer's power jack.

3. Connect the AC power cord to the power supply and plug into an outlet.
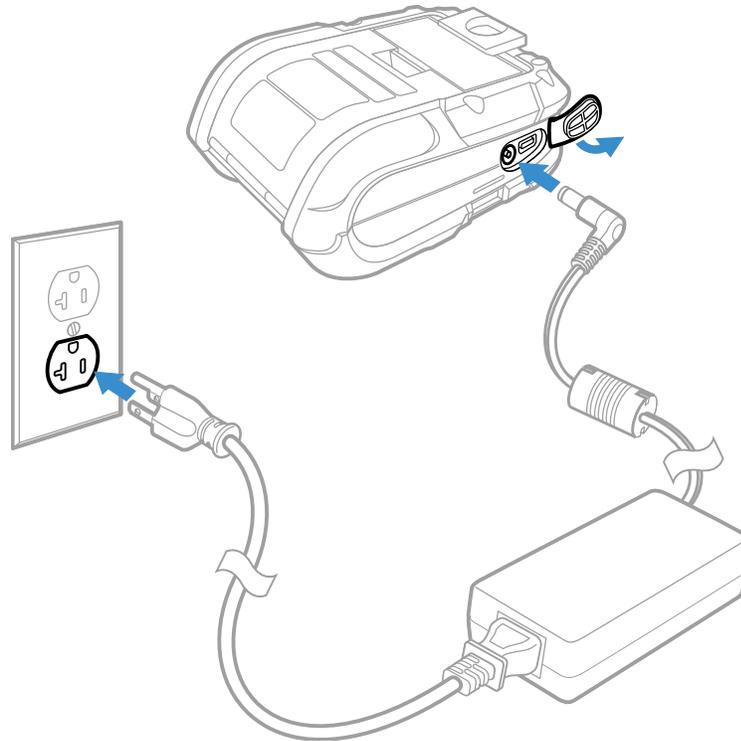
Note: *Operating the printer while it is connected to the AC power supply can shorten the life of the battery and is not recommended.*

Software Downloads

Product support is available online through Technical Support. Software updates can be accessed through the Software Downloads portal. You will need to create a login account for portal access. Additional information such as purchased date, service agreement number, maintenance plan number, or software license number may be required for downloads.

1. Go to honeywell.com/PSSsoftware-downloads.
2. Create a login account if you have not already created one.
3. Install the Honeywell Download Manager tool. See "Note" on the portal page. This tool is required for downloads.
4. Locate the app or upgrade you want to download in the Software directory.
5. If prompted, enter additional information, and click **Submit**.
6. Select **Download**. Follow the prompts to download the file.

Printer Drivers

Drivers enable the printer to communicate with your PC and with printer software applications.

Install Honeywell Windows Driver

Use Honeywell Printer Driver to install the printer driver software on your PC.

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

Note: *Make sure the printer is configured to Autosense or Fingerprint to install and use the Interdriver. You may expect some dummy prints when installing Interdriver under EZ-Print due to EZ-Print line mode.*

1. Access the Honeywell Technical Support Downloads portal at https://hsmftp.honeywell.com.

2. Install the Honeywell Download Manager tool. See "Note" on the portal page. This tool is required for downloads.

3. Click on the **(+)** to expand the list. Then go to **Software > Printers > Printer Software and Drivers > Printer Drivers > Windows Print Drivers > Current**.

4. Open the Honeywell Software Download Manager and follow the instruction to download the file.

5. Extract the driver files to a location on your PC.

6. Double-click the **.exe** file to install the driver and follow the prompts to complete the installation.

Once the initial installation steps are complete:

1. Go to the location where you have extracted the file. Open the **Interdriver** folder and run **DriverWizard.exe**

2. Select **Install printer drivers** and proceed to next step.

3. Select **USB** as your connection type to the printer and click **Next**.

4. Make a connection to the printer using a USB cable. The wizard recognizes the printer and the printer model and port information is displayed.

5. Select "Install a driver for a Plug and Play printer" and follow the prompts to begin the installation.

Once the installation is complete, the wizard will request a restart.

Install Printer

Use a USB connection to install the printer on a Windows system. The default USB class is CDC Composite. On some systems (e.g., handheld devices), you will have to change this USB class in order to connect. See USB Connection on page 17 for further information.

1. Connect the USB cable to the printer and to the USB port on the host system.

2. Power up your printer.

3. Your host computer should recognize the printer and begin adding the device driver. If the setup operation does not start, locate the **Devices and Printers** section in the Control Panel and select **Add a Printer**.

4. Select the appropriate RP printer model and follow the prompts to finish installation.

Printer Command Languages and Simulator Support Options

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

- Configure the printer.

- Return the status of the printer.

- Format a label or receipt for printing.

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

- Direct Protocol
- Fingerprint
- IPL
- ZSim
- DPL
- Smart Printing (C#)
- Direct PDF Printing
- CSim
- EZ-Print

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.

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.

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.

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.

Smart Printing (C#)

Smart Printing refers to the ability of the printer to independently run printing operations without being connected to a host computer. If you are running printer-based applications written in C#, select Smart Printing as your printer command language.

Direct PDF Printing

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

CSim

Using CSim you can create label templates, modify the appearance and structure of your receipts and labels, and insert data into templates. If you are sending CPCL command language label files to the printer, select CSim as your printer command language.

EZ-Print

EZ-Print is a Datamax-O'Neil thermal printer native protocol for printing that lets you design custom receipts, tickets, reports with stored graphics, and texts in any orientation. If you are sending EZ print command language label files to the printer, select EZ-Print 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.*

Printer Configuration

Use one of these methods to view and change the printer settings:

- Programming commands
- Media Button
- PrintSet 5
- Print Set MC
- Printer web page

Configure the Printer with Programming Commands

You can change configuration settings by sending programming commands directly from your PC to the printer through terminal program (such as Hyper Terminal), or a network connection.

If your printer uses the Fingerprint programming language, use the SETUP command followed by the node, subnode, and parameter setting.

You must log in as an itadmin to perform a SETUP operation, but you do no need to log in to perform a SETUP GET operation.

Note: *For more information, see the command reference manual for the language.*

Obtain the Printer IP address Using Programming Commands

You can obtain the printer IP address by sending programming commands directly from your PC to the printer through a terminal program (such as Hyper Terminal).

Note: *To change the settings might require admin rights. You must log in as itadmin: RUN "su -p pass itadmin" for FP/DP.*

Connection	Programming Commands
Serial Terminal via Virtual serial port	run "su -p pass itadmin" setup "Communications,Wireless 802.11,General,Band,2.4 GHz" setup "Communications,Wireless 802.11,General,Network Name (SSID),**your SSID name**" setup "Communications,Wireless 802.11,General,Network Type,Infrastructure" setup "Communications,Wireless 802.11,General,Power Mode,Constant Awake" setup "Communications,Wireless 802.11,Security,Security Type,Pre-Shared Key" setup "Communications,Wireless 802.11,Security,Association,WPA2/AES" setup "Communications,Wireless 802.11,Security,Pre-Shared Key,**your password**" SETUP WRITE "Communications","stdout"

Wait until you see the Wifi LED light on your printer, then proceed to enter,

SETUP WRITE "Communications","stdout"

to determine the printer IP address. This connects your printer to an AP through security type – WAP2 PSK.

Set Printer Command Language with the Media Button

Make sure the printer has media installed.

1. Turn on the printer. The power LED turns on and blinks. It takes about 25 seconds for the printer to boot up. Press and hold the **Media** button before the printer completes boot up.

2. Release the button when the media starts to move.

3. When the label prints out with command language you want to use, press and release the **Media** button. The command language is now set.

Restore Default Settings with the Media Button

1. Turn off the printer.

2. Open the media cover.

3. Turn the printer on.

4. When the power LED starts blinking green, press and hold the **Feed** button until the power LED starts to blink orange.

5. Release the **Feed** button. Printer is now restored to default.

Configure the Printer with PrintSet 5 or Print Set MC

You can use PrintSet 5 or Print Set MC to change configuration settings on your printer. Download PrintSet 5 or Print Set MC from the App Store on iOS or Google Play Store on Android devices.

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 sps.honeywell.com > **Software** > **Productivity**.

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

Note: *For information on how to change the configuration settings using PrintSet 5 and Print Set MC, see the integrated help available in the respective application.*

Printer Web Page

Access the Printer Web Page

1. Open a browser window on your PC.
2. In the location on address bar, type **https://** followed by the printer IP address and press **Enter**. The printer web page appears.

Note: *The default printer web page is set to HTTPS protocol. A warning message is displayed if the security certificates are not installed on your PC. You can ignore the warning message and proceed to access the printer web page by clicking **Advanced** > **Proceed to...** To install security certificates, see Install Security Certificates for Secure Connection.*

3. Click **Login**. The login page appears.

You will be prompted for a user name and password. The default is:

- Username: **itadmin**
- Password: **pass**.

Once you login, you have the option to change the user name and 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.*

Install Security Certificates for Secure Connection

The default printer web page is set to HTTPS protocol. A warning message is displayed if the security certificates are not installed on your PC. IT administrators can install their custom certificates for HTTPS secure connection. To install,

1. Open an FTP connection to the IP address of the printer.

2. Transfer your certificate to **/home/user/certificates/webserver**

Note: *The certificate must be in .pem format and must be named as server.pem*

3. Reboot the printer for the certificate installation to take effect.

Note: *Only IT administrator using the itadmin account can upload or remove this certificate. This is to prevent malicious attempts to access the server certificate.*

Configure the Printer from the Web Page

If you are using Wi-Fi communication, you can change the configuration settings from the web page of the printer.

1. Open a web browser on your PC. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

2. Click **Login**. The Login page appears.

3. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

4. Click **Configure**. The Configuration Summary page appears.

5. To see a complete list of printer settings, click **Configuration Summary**.

6. To configure printer settings, click an item in the navigation pane:

   • For Wireless 802.11, or Bluetooth/Bluetooth LE 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**.

   • To set conditions that trigger error, warning, and information alert messages, click **Alerts**.

   • 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**.

   • To change printer command language specific print settings, click **Languages**.

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**.

LOAD THE MEDIA

Load Labels or Paper

Load labels or paper into the printer as follows:

1. Press down on the latch lock and lift up the printer's cover.
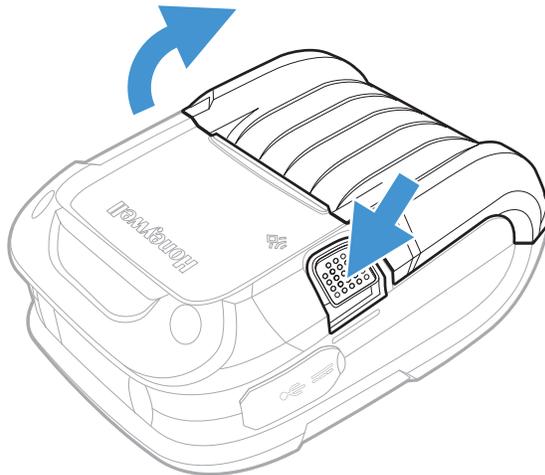
2. Slide and hold open the supply hubs.
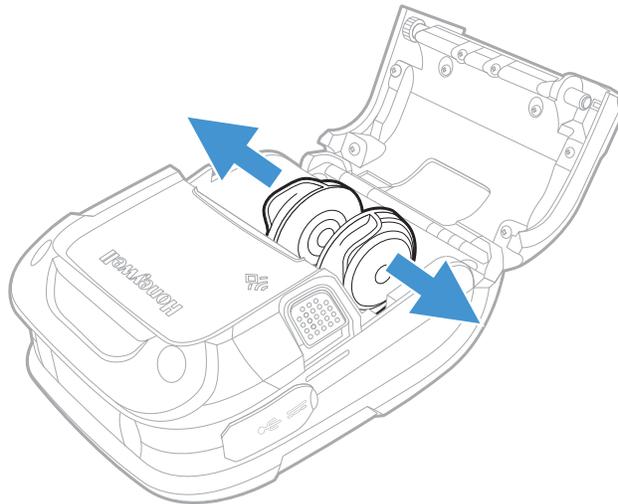
3. Orient the paper as shown and insert into the printer.
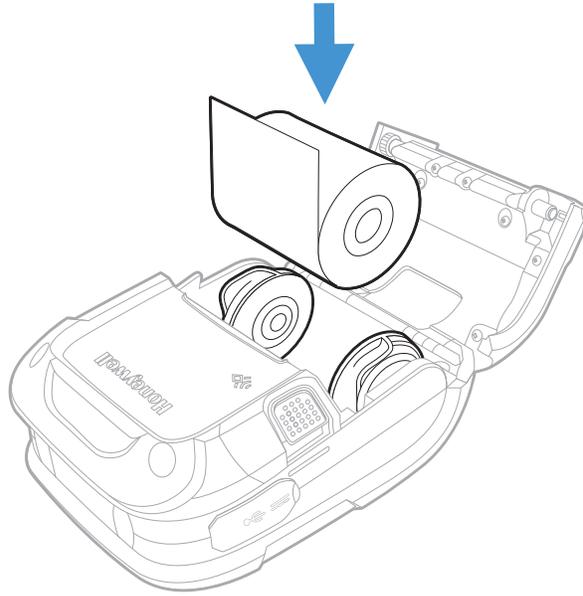
4. Allow the supply hubs to retract onto the paper roll and press the cover down until it latches.

5. Press and hold the media button to calibrate the media sensor if required.

Caution: **Do not pull the media to remove it. To remove media, lift it out of the printer. Forcefully pulling the media out of the printer may cause an electromagnetic force that can generate an over current great enough to damage components on the main board.**

External Media (RP4f only)

1. Press down on the latch lock and lift up the printer's cover.
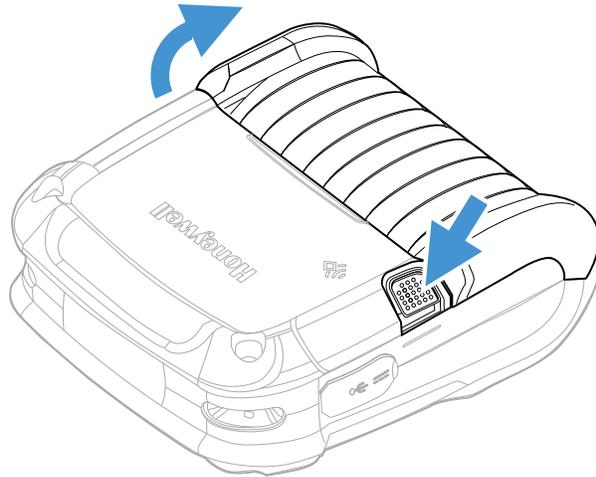
2. Slide and hold open the supply hubs and install the media spacer.
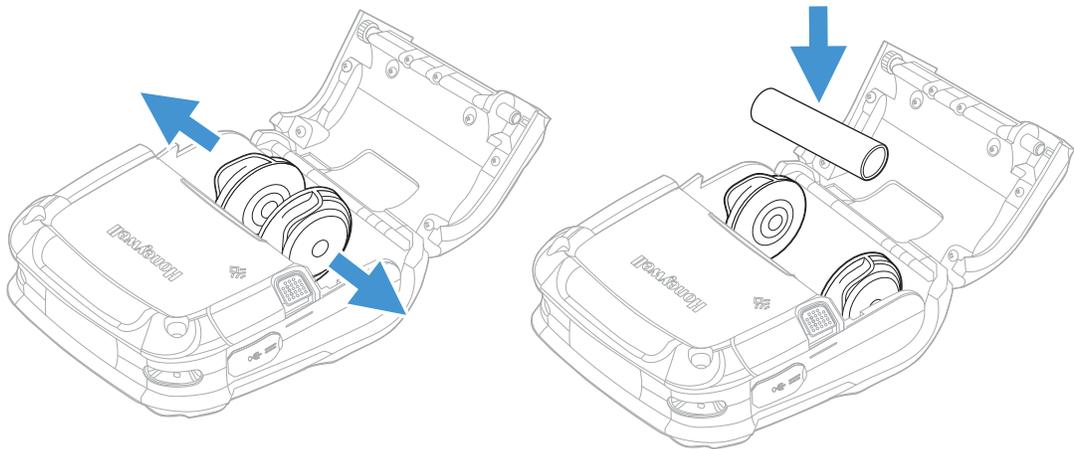
3. Insert the media through the external media opening below and through the printer.
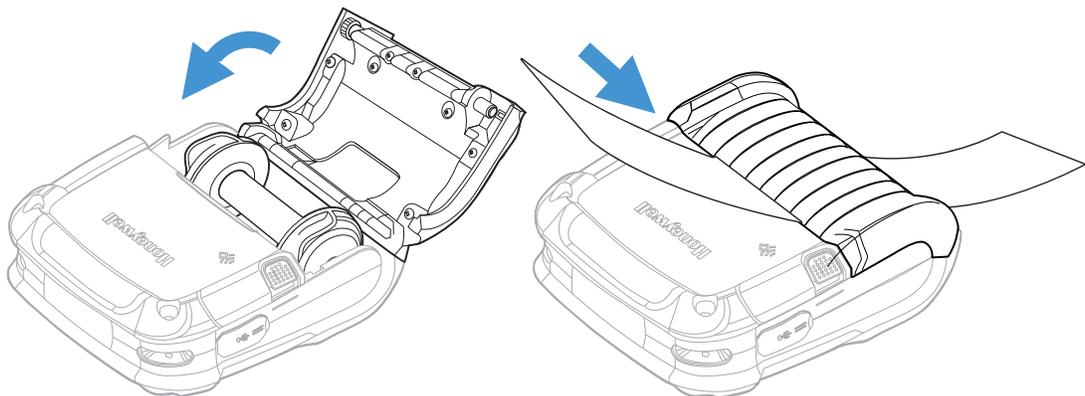
4. Press and hold the media button ⎘ to calibrate the media sensor if required.

Configure the Media using Printer web page

To set the media settings from the printer web page, you need to turn on the printer and connect to your network and obtain the printer IP address.

1. Open a web browser on your PC.

2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

3. Click **Login**. The Login page appears.

4. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

5. Click **Configure** > **Printing** > **Media**.

6. Make any changes to the settings you want to configure.

7. To save your changes, click **Save**.

Media Calibration

You can calibrate the media by long pressing the **Feed** button ⎘ on the printer. You can also use the printer web page to calibrate the media.

To access the printer web page, make sure your printer is connected to the network.

1. Open a web browser on your PC. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

2. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

3. In the menu section, click on **Services** > **Media Calibration**.

4. Click on the blue **Media Calibration** button, this will begin the media calibration.

5. A calibration complete message appears once the Media Calibration is complete.

About Test Label

Print a test label after you have loaded the media to verify that you have installed everything correctly and also to get some important information about your printer. You can use PrintSet 5, Print Set MC, or printer web page to print a test label.

Print a Test Label from the web page

1. Open a web browser on your PC.

2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

3. Click **Login**. The Login page appears.

4. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

5. Click **Services** > **Print Test Labels.** A set of test labels appears.

6. Click **Print** on the type of label you want to print. Your test label prints.

3

PROGRAM THE INTERFACE

You can communicate with the host via USB Connection, Wireless 802.11, or Bluetooth Connection. The printer automatically scans all ports for valid data.

USB Port
Charging Port
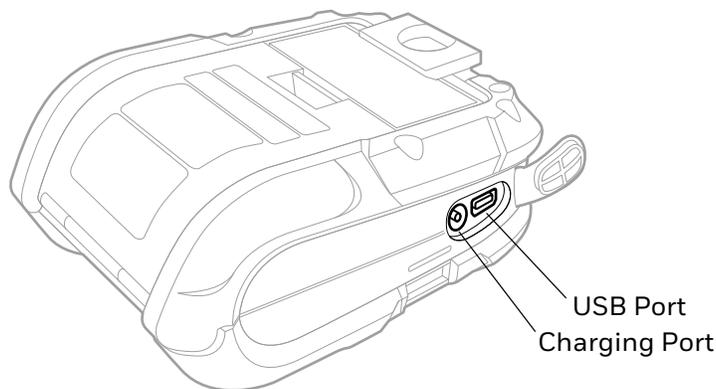
Note: *Power off the printer before connecting a power or an interface cable.*

Note: *If you haven't downloaded the drivers and software, you must do so now. See Software Downloads.*

USB Connection

Note: *You will need a standard Mini B to USB A cable if you are connecting your printer via USB.*

The USB Interface is supported in Windows 10.0 and greater. An Internet connection may be required. You may also need administrative access rights to your host computer for completing this installation. If you do not, you will need to log off and log in under a profile that has administrative rights for your host computer.

USB Settings

The type (or class) of USB connection for the host must be determined. The following USB profile is supported under device mode:

- Composite (CDC/Printer Class)

Whenever possible, you should use the default setting, Composite (CDC/Printer Class), as it gives the most flexibility. However, on some systems (e.g., handheld devices), CDC or Printer Class should be selected since handheld devices have limited support.

Default USB Connection

The default USB class is CDC Composite. On some systems (e.g., handheld devices), you will have to change this USB class in order to connect.

1. Connect the USB cable to the printer and to the USB port on the host system.
2. Power up your printer.
3. Your host computer should recognize the printer and begin adding the device driver. If the setup operation does not start, locate the **Devices and Printers** section in the Control Panel and select **Add a Printer**.
4. Select the printer model.

Once completed, you should see the available printer on your host PC. You can adjust the printer's USB settings using the instructions that follow.

USB Virtual COM port

The virtual COM port for RP2f and RP4f printer is enabled by default. This allows you to connect the printer to your computer and serial port via a USB cable. Once you connect the USB cable on your computer, the USB serial device is automatically added in the Device Manager and a connection is established. You can select serial port as interface from PrintSet 5. To select,

1. Start PrintSet 5 and from the menu bar select **Files > Add Printer**.
2. Choose **Serial Port/Virtual COM** as the connection type.
3. Select the active port, for example, COM6: (Active), from the drop-down and click **Next**. The Printer is auto-connected and the printer description is displayed.

This is the easiest way to connect your printer to the computer without any need to install drivers.

Connect a USB Device

A USB storage device can be connected to the printer using a USB OTG cable.

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 printer using a USB OTG cable.

Uploading from a USB Storage Device

You can use a USB storage device to install fonts, images, configuration file, applications, formats, and web forms to the printer. Use this table to understand where your files need to be located on the USB storage device for the printer to install them.

File Type	Directory to Place the File	Installed in this Printer Directory
Application	/apps	/home/user/apps
Configuration	/config	
Configuration profile	/profiles	/home/user/profiles
Display images	/display	/home/user/display
Fingerprint script	/scripts	/home/user/scripts
Firmware	/firmware	
Font	/fonts	/home/user/fonts
Form/layout	/forms	/home/user/forms
Printed images	/images	/home/user/images
Installation package (UFF file)	Root of USB storage device	
Start file	Root of USB storage device	
Web Form	/webforms	/home/user/webforms

1. Copy your files to a USB storage device using the directories in the table.
2. Use a USB OTG cable to connect the USB storage device to the printer.
3. Restart the printer. The files are automatically installed.

Wireless 802.11

The printer supports wireless 802.11 communication. The printer can be configured to use several wireless LAN security protocols.

You can configure the wireless communication using Honeywell PrintSet 5 through a USB connection to the printer or from the printer web page. By default the printer is configured to DHCP network setting.

Note: *If you are not using DHCP network, Wi-Fi settings can be configured by sending programming commands through a terminal connection.*

Configure Wi-Fi communication from the Web Page

The printer must be connected to wireless network and you must know the printer IP address.

1. Open a web browser on your PC. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.
2. Click **Login**.
3. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.
4. Click **Configure**. The Configuration Summary page appears.
5. Click **Communication** > **Wireless 802.11**. The Wireless 802.11 settings page appears.
6. Change the wireless settings as needed. You can also click **Default Settings** to restore all default wireless settings.
7. Click **Save** when you are finished.

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. You can also use PrintSet 5 to install the Authentication Certificates.

1. Configure the printer for the correct date and time.
2. On your PC, open an FTP/SFTP 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. Example: itadmin@RP2-00000000073 /home/user/certificates/ public$certinstall.sh entrust.cer

10. When you receive confirmation that the certificate was installed, type this 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 Honeywell PrintSet 5 to specify the certificate .pem file to use for security.*

Bluetooth Connection

Follow your host PC or device instructions for pairing a new Bluetooth device. You should see the printer as an available printer from your host. Select your printer to pair with your host PC. Once the connection is established, adjust the printer's Bluetooth settings.

Tap and Pair

You can pair your Android™ phone with an RP2f or RP4f printer by touching the devices together.

1. Place the Android phone on the printer.

2. The phone recognizes the printer and prompts you to pair.

3. Verify the pairing of the printer in your phone's Bluetooth settings.

4. The Bluetooth Icon on the printer blinks with 30 seconds timeout when the pairing request is received.

Note: *Printer will beep once after receiving the pairing request.*

5. Press the **Feed** button once to complete the pairing. The Bluetooth icon stops blinking once paired.

Note: *The pairing will be canceled if the Feed button is not pressed within 30 seconds. Press the Power button to immediately cancel pairing.*

You can go to the Google Play Store and download the Print Service by Honeywell app to your phone or use a printing application to send prints to the RP2f or RP4f printer.

Configure Printer Bluetooth Connection

The printer supports Bluetooth Communication. You can configure Bluetooth communication:

• From PrintSet 5

• From the printer web page

Configure Bluetooth Communication from the Web Page

The printer must be connected to wireless network and you must know the printer IP address.

1. Open a web browser on your PC. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

2. Click **Login**. The Login page appears.

3. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

4. Click **Configure**. The Configuration Summary page appears.

5. Click **Communication** > **Bluetooth**. The Bluetooth settings page appears.

6. Change the Bluetooth settings as needed. You can also click **Default Settings** to restore all default Bluetooth settings.

7. Click **Save**.

Uploading from the Web Page

You can use the printer web page to install applications, configuration, fonts, images, label formats, profiles and web forms to the printer.

1. Open a web browser on your PC.

2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

3. Click **Login**. The Login page appears.

4. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

5. Click the **Manage** tab. The Overview page appears.

6. Click on the desired item in the Overview list. The upload page appears for the option you have selected.

7. To upload a file to the printer, click **Browse** to locate your file. Double-click the file to select it, then click **Upload**. The file uploads to the printer.

Printer Profiles

You can save updated printer default settings as a printer profile. The printer supports multiple profiles that can be saved and loaded at any time. For example, you can create one profile to use when you are printing on continuous label stock and a different profile to use when you are printing on label stock with gaps.

The following printer settings are not saved in a profile:

- IP address for either IPv4 or IPv6 networks.
- Media calibration settings for the label stop sensor.

- Remote port or remote host values for a remote computer accessing the printer through raw TCP.

Save a Printer Profile from the Web Page

From the printer web page, you can save the current settings as a profile that you can load from the printer memory at any time.

1. In the printer web page (see Access the Printer Web Page), click **Configure**.
2. Click **System Settings > General**.
3. Click **Save As Profile**. The Save As Profile screen appears.
4. Enter a name in the Profile field, and then click **Save**.

Load a Printer Profile from the Web Page

You can load a saved profile from the printer web page.

1. In the printer web page, click the **Manage** tab.
2. Click **Profiles**.
3. The Resident list includes profiles that are saved in the printer memory.
4. To load a profile from the printer memory, select the profile in the Resident list and then click **Activate**. The profile is loaded.
5. To load a profile from another location, click **Browse** and navigate to the location of the file.
6. Double-click to select the file and click **Upload**. The profile is uploaded to the printer.

Load a Printer Profile Using Programming Commands

You can load a saved printer profile to another printer by sending programming commands directly from your PC to the printer through a terminal program (such as HyperTerminal), a serial connection, or a network connection. All commands are case-sensitive.

Connection	Programming Commands
Printer running Fingerprint	RUN "/system/usr/bin/cfg -o xmlimportset -k /home/user/profiles/myprofile"
Telnet connection over Port 23	/system/usr/bin/cfg -o xmlimportset -k /home/user/profiles/myprofile

Note: *To load printer profiles that modify communication settings that require admin rights, you must log in as an itadmin: RUN "su -p pass itadmin" for FP/DP.*

Print Configuration Label

A configuration label provides system information, media & printing configuration, serial port settings, wireless settings/security and Bluetooth settings.

Press and hold Media Button ⬆️ until the media calibration is done and configuration label has started to print (when the printer is idle).

Save and Load Configuration Files

Once you have configured the printer, you can save the configuration and share it with other users or printers. You can save the configuration file using,

- PrintSet 5
- Print Set MC
- Printer web page

Save a Configuration File from the Web Page

1. Open a web browser on your PC.
2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.
3. Click **Login**. The Login page appears.
4. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.
5. Click **Manage** > **Configuration**.
6. Under the Download Configuration, click on the blue **Download** button. This will save the configuration file in your default download location.

Load a Configuration File from the Web Page

1. Open a web browser on your PC.
2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.
3. Click **Login**. The Login page appears.
4. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.
5. Click **Manage** > **Configuration**. The upload page appears.
6. To upload a file to the printer, click **Browse** to locate your file.
7. Double-click the file to select it, then click **Upload**. The file uploads to the printer.

Install a Configuration File from a USB Storage Device

After you save an .xml configuration file to a USB storage device, you can install it on the printer at any time.

1. Connect the USB storage device to the printer using a USB OTG cable.
2. The configuration files are automatically installed.

Customize the Printer Web Page

The printer web page visual presentation is specified using Lua Script(.lua), Lua Pages (.lp), or Cascading Style Sheet (.css).

There are two ways to customize the printer web page:
- Adjusting layout style (font, color, etc.)
- Replacing standard web pages

Enable Webpage Customization

Webpage customization must be enabled in the printer before beginning to upload any customized files. Check first if the Web Server is enabled in the printer web page and then proceed to enable Webpage Customization. The web server setting is enabled by default.

To check,

1. Go to **Configure > System Settings > Manage Services**. Once enabled, proceed to enable Webpage Customization.
2. Go to **Configure > Network Services > Web Server**. From the **Webpage Customization** settings, select **Enable**.

Adjust the Layout Style

1. Make an FTP connection to the printer and retrieve the default CSS file from: **/ srv/www/htdocs/assets/css/wcss.css**
2. Modify the **wcss.css** style sheet with your desired font, color, etc. and save the file as **style.css** in your local directory.

Example:

```
home_title{

  font-family:HoneywellSans-Bold;

  font-size:16px;

  color:#0090e8;
```

```
        letter-spacing:-0.01px;

        text-align:left;

        height:40px;

        margin-top: 10px

    }
```

3. Upload the **style.css** to the printer via **/home/user/webpage/**

Replace Standard Web Page

Three of the pages can be replaced by user pages, enabling content customization. The layout and structure of the printer web page is the same throughout each of the different pages. Below table gives the description of the three different main components that always exist:

Filename	Description
Index.*	The starting page. (* can be lua, html, or lp)
Left-Menu Navigation define in mainmenu.lua	For each of the pages, this area will show links to more detailed pages depending on which section is currently shown. On the Home Page this area will show the current status of the printer.
Right Top Bar define in maintop	Displays the information about the printer/login/language as well as printer's status.

Save and Upload the Customized file

Create your own printer web page and save the file name as Index.lua to virtually replace the complete webpage.

1. Create a customized web page and save the file name as Index.lua in your local directory.

2. Make an FTP connection to the printer and upload the **Index.lua** file via **/home/user/webpage/**

For left navigation menu or header changes, you can create your own page and upload the file with the same name as original file in the file system.

Or you can make changes to the existing page and upload them.

1. Make an FTP connection to the printer and retrieve the files (mainmenu.lua or maintop.lua) file from **srv/www/htdocs/main**

2. Modify the files with your desired changes and save the files in your local directory.

3. Upload the saved file to the printer via **/home/user/webpage/**

You can refresh your printer web page to see the changes.

PRINTER DISPLAY AND BUTTONS

Front Panel

On/Off
Button

Media/Feed
Button

Battery
Charge
Level

Bluetooth
Indicator

WiFi
Signal
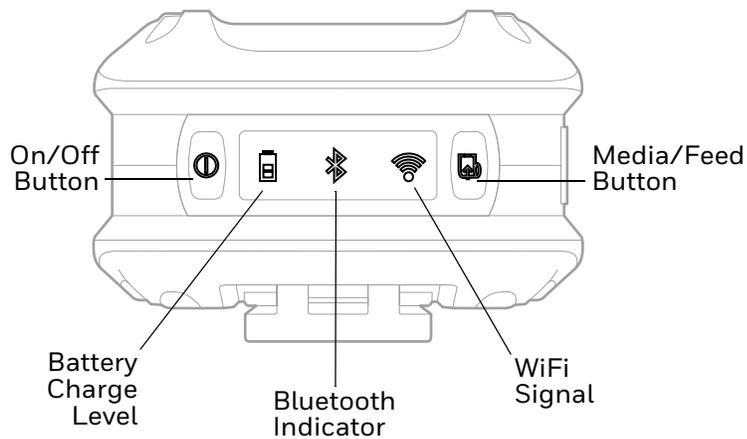
The front panel has an LED display and 2 buttons.

On/Off Button ⏻

Button Press	Result
Any length press (when printer is off)	Turn printer on.
Short press	Enter or exit sleep mode.
Long press for 3 seconds and release when the LED blinks in Red.	Turn printer off.

Media Button 📄

The media button advances the paper through the printer. When there is no paper in the printer, the button blinks red.

Button Press	Result
Short press (when printer is idle)	Feeds label or paper length approximately 4 in. (10.16cm) when configured for continuous media. Feeds media to align with the next label when configured for gap or black mark media.
Short press (when the printer is printing/paused)	Pause/ resume printing.
Press and hold for 2 seconds (when the printer is idle)	Media Calibration.
Press and hold for 3 seconds (when the printer is paused)	Print job is canceled and any print jobs inside the printer are discarded. The printer returns to the idle state.
Long press (>10 seconds) until printing starts.	Print configuration label (see Print Configuration Label).

LED Display

If all the LEDs are red and blinking, it indicates it is too warm or cold for the printer to print. See Specifications and Additional Resources beginning on page 41 for more information.

Icon	Indication
⏻ On/Off	Solid green = Printer is ready to print Blinking green = Printer is booting up Pulsing green - Printer is asleep Blinking red = Printer is shutting down
🔋 Battery charge level	**When not charging:** Off = Battery is midway to fully charged Blinking orange = Battery charge is 10-30% Blinking red = Battery charge is 10% or less **When charging:** Solid green = Battery charge is 100% Pulsing green = Battery charge is 30% or more Pulsing orange = Battery charge is 30% or less Pulsing red = Battery charge is less than 10% **Battery Low(critical)/No Battery:** Blinking red with 3 short beeps
ᛒ Bluetooth indicator	Off = Bluetooth radio is off, disabled, not associated with a mobile device, or printer is off Solid blue = Bluetooth is enabled and connected Blinking blue = Data communication
📶 WiFi signal	Off = WiFi radio is off, disabled, not associated with a mobile device or network, or printer is off Blinking white = Data communication White = WiFi is enabled and connected

Icon	Indication
Feed Button	Off = Printer is ready to print Blinking red = Media is not present or press and hold for test feed when media is present.

Audible Indicators

Beeps	Indication
1 beep	Power supply connected/disonnected (or), Printer Ready (or), Printer in error mode (or), Bluetooth pairing request received.
3 short beeps	Battery charge is low or No Battery.

Real-Time Clock (RTC)

The Real-Time Clock (RTC) is powered from a rechargeable coin cell. Once the RTC is set, and as long as the main battery is in place and has a reasonable charge, the RTC will continue to keep time. If the main battery is pulled, the time setting is retained for 6 months. After 6 months the time will be lost and will need to be reset once power is restored.

MAINTENANCE

You can view battery information (for example, external power, remaining battery percentage, state of health, and temperature) through the printer web page.

1. Open a web browser on your PC.

2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

3. Click **Login**. The Login page appears.

4. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

5. Click the **System Information** tab and select **Statistics > Supply.** The printhead information along with battery information is displayed.

Battery Charge Information

Once the battery is at a low charge level, the printer stops printing and queues print jobs. The battery should be replaced at this time so the printer can print the queued jobs. If the battery is not replaced before the supercap is drained, all queued jobs will be lost.

The battery has a test button on it so you can determine how much charge is left.
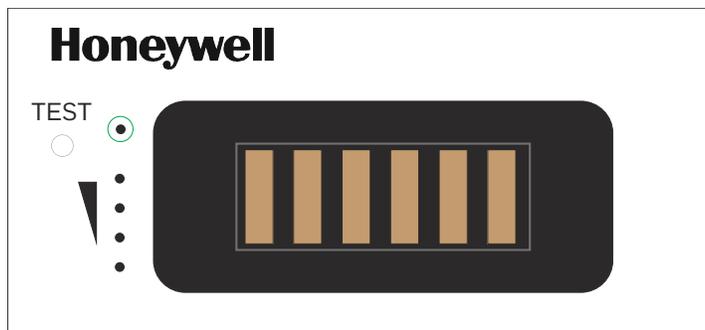
Health Status

Press the test button once quickly. The **Test** indicator (circled in green) lights up to show the health status of the battery.

LED Color	Cycle Count
Green	1 – 400
Amber	400 – 500
Red	500 – 999

Gas Gauge

Press the test button and hold for longer than 5 seconds. The 4 gas gauge lights appear in green to show the amount of charge left in the battery.

0 – 9%   10 – 39%   40 – 79%   80 – 100%

Change the Battery

1. Remove the old battery from the printer and reinstall the new battery in the printer.
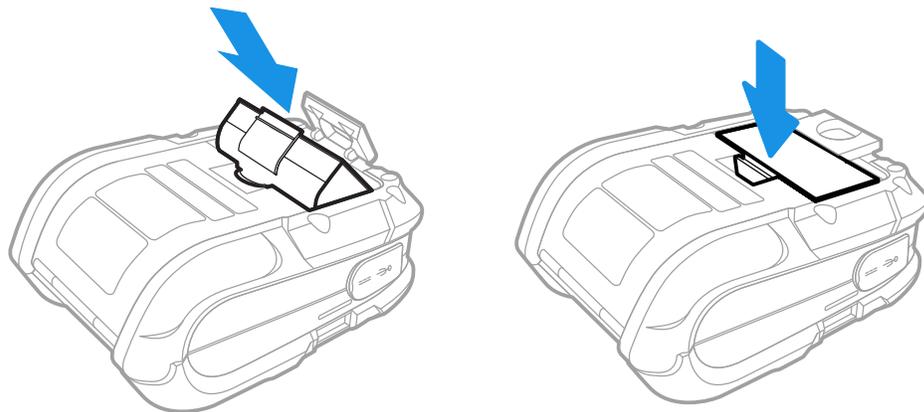
Note: *The printer can run for at least 20 seconds without a battery and not lose connectivity or need a restart.*

2. Connect the power supply to printer's power jack then connect the AC power cord to the power supply. Plug into an outlet.
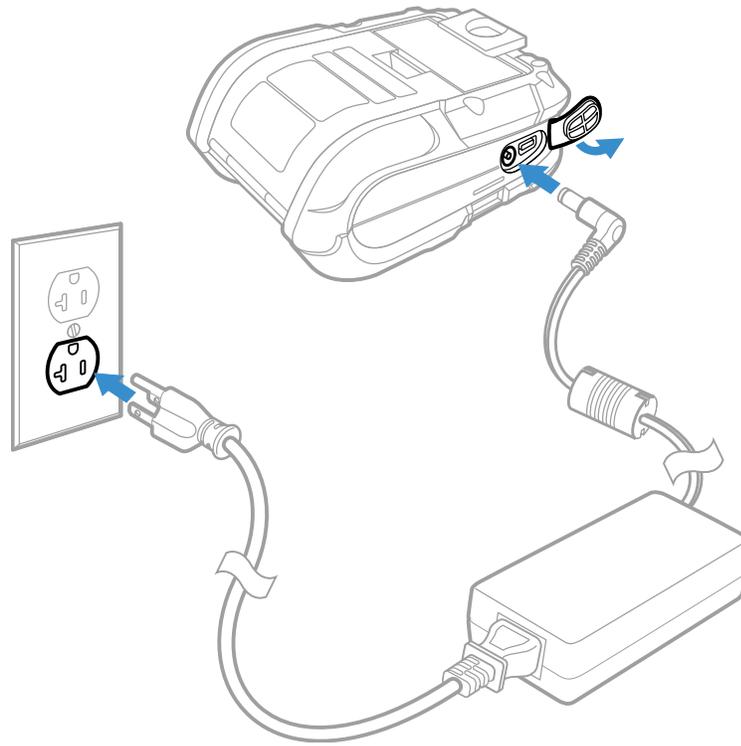
⚠️ **Warning: Operating the printer while it is connected to the AC power supply can shorten the life of the battery and is not recommended.**

Cleaning Intervals

Proper cleaning is critical. To maintain peak performance of the printer, Honeywell offers a complete line of cleaning products, including pens, cards, films and swabs. The following table outlines the recommended maintenance schedule for the various printer parts.

Maintenance Schedule

Area	Method (Standard Models)	Method (Linerless Models)	Interval
Printhead	Cleaning card or cotton swab with isopropyl alcohol	Cleaning pens	After 3-5 rolls of media
Platen roller	Cotton swab with isopropyl alcohol	Cleaning pens	After 3-5 rolls of media
Peel off roller	Cleaning pens	Cleaning pens	After 3-5 rolls of media

Lid roller	Cotton swab with isopropyl alcohol	Cleaning pens	After 3-5 rolls of media
Media sensor	Compressed air	Compressed air	Monthly
Interior	Compressed air	Compressed air	As needed

If print quality declines (symptoms include non-compliant barcodes, print drop-outs and streaks), the typical cause is debris buildup on the printhead. When the buildup is not removed it may lead to reduced service life or printhead failure. Streaks in printed labels usually indicate a dirty or faulty printhead.
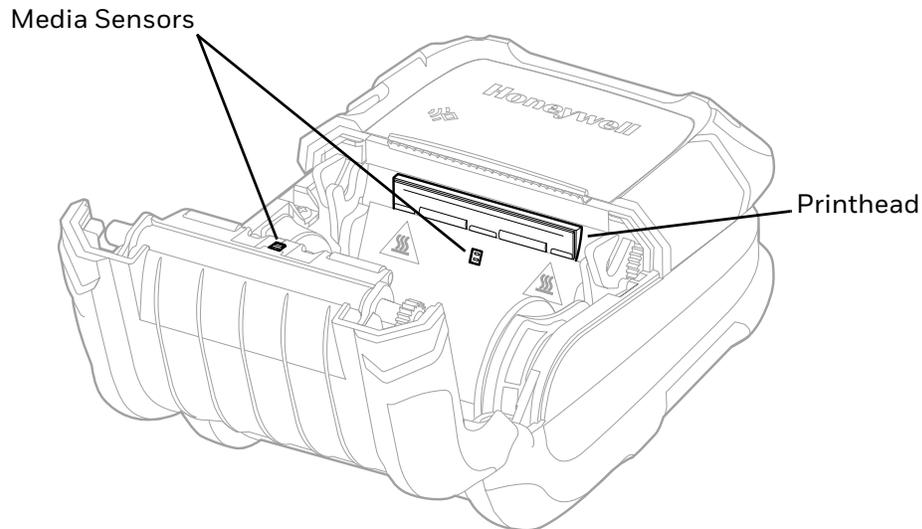
Clean the Printhead

Standard Models

Clean the printhead using a cleaning card:

1. Open the printer and remove all media.
2. Open the fan fold door in the bottom of the printer.
3. Insert the cleaning card through the door and close the printer cover.
4. Press the Media Feed button several times to feed the cleaning card through the printer. Repeat if necessary.
5. Reload media and close the printer.
6. Press the Media Feed button to feed the media through.

Linerless Models

Cleaning pens are used on linerless-model printers or any printer with adhesive buildup. They are used to clean components that are exposed directly to adhesive.

1. Rub this pen along the sticky component to break down the adhesive buildup.

2. Rub this pen along the component to remove the buildup.

The pen cap has a plastic scraper that can be used to remove large amounts of adhesive buildup.

⚠ **Caution:** **Do not use on the platen roller or sensors.**

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.

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 Services, go to https://sps.honeywell.com/us/en/services/productivity/support-services.

Upgrade the Printer Firmware

Check for periodic updates to the printer firmware. The latest version of the firmware is available from the Honeywell Technical Support Downloads portal (honeywell.com/PSSsoftware-downloads). Go to **Software > Printers > Mobile – Portable > RP2f RP4f > Current > Firmware**.

You can upgrade the printer firmware using:

- The printer web page, PrintSet 5, Print Set MC, a USB storage device, or by using Honeywell Operational Intelligence.

Note: *After you upgrade the printer firmware, restore the default settings and calibrate the media sensors.*

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 sps.honeywell.com.*

Upgrade Firmware from the Web Page

1. Open a web browser on your PC.

2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

3. Click **Login**. The Login page appears.

4. Type your Username and Password and then click **Login**. The default value for Username is **itadmin** and the default value for Password is **pass**.

5. Click the **Services** tab and select **Firmware Upgrade.** The firmware upgrade screen appears, showing the current firmware version.

6. Click **Browse** to locate the upgrade file. Select it and click **Open**.

7. Click **Upgrade**. The printer web page shows that it is upgrading firmware on your printer.

Upgrade Firmware from a USB Storage Device

Place the upgrade file in the root directory on the USB storage device (see, Uploading from a USB Storage Device on page 19). Connect the USB to the printer using an OTG cable.
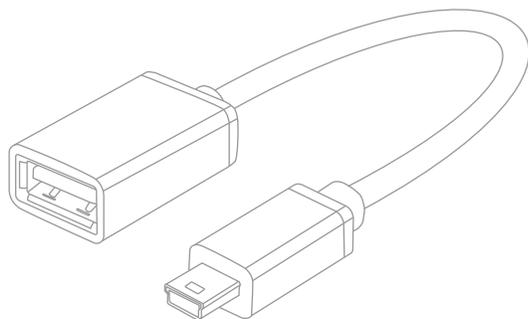
Note: *For best results, use a USB storage device that contains no other files besides the upgrade file.*

1. Copy the firmware upgrade file to the root directory of the USB storage device.

2. Turn the printer off.

3. Connect the USB storage device to the printer using a USB OTG cable.

4. Restart your printer.

5. The firmware is updated.

TROUBLESHOOTING

System Information

Look in the **System Information** tab on the printer web page for useful information and statistics on the printer hardware and firmware.

Statistics

Use the printer web page to view important statistics about your printer.

Statistic Type	Information Available
System Information	Printer uptime and CPU usage, firmware and kernel versions, printer configuration and serial numbers, flash and RAM memory information.
Supply	Printhead information and printer battery information.
Hardware Options	Input/output devices, serial port information.
Network Interfaces	MAC address, TCP/IP, Bluetooth/Bluetooth LE, 802.11 network information.
Bluetooth	Name of paired devices, connected devices, and device address information.
Font Information	Name, type, location, and size of installed fonts.
Barcode Information	Name and type of installed barcode fonts.
Image Information	Name, type, location, and size of installed images.

1. Open a web browser on your PC.

2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer web page appears.

3. Click the **System Information** tab.

4. Click **Statistics > System Information**. The System Information page appears.

5. For more detailed statistics, click another choice in the Statistics list.

Printer Odometer

You can check the odometer from the printer web page to see the printhead usage and how the current values compare to the alert values.

Note: *To check the printer odometer from the web page, the printer must be turned on and connected to your network.*

1. Open a web browser on your PC.
2. In the address bar, type **https://** followed by the printer IP address and press Enter. The printer home page appears.
3. Click the **System Information** tab.
4. Select **Odometer**. The list of current odometer statistics appears.

Troubleshoot Printer Problems and Find Solutions

Use this section to find possible solutions to printer problems.

Once you have corrected any of the following problems, press the media button to clear the alarm.

Problem	Possible Solution
Print quality is bad	Clean the printhead (see on page 33). • The Darkness setting may be incorrect for the media being used. Use PrintSet5, Printer web page, or software commands to adjust the heat setting and print speed. • The printhead may be faulty. Call for service (see Product Service and Repair).
Printer indicates it is out of media, even though it is not	• The printer sensor may have accumulated paper dust. Clean the sensor with compressed air.
Printer doesn't print or prints several labels at once	• The labels are incorrectly loaded. See Load the Media. • The media is not calibrated. See Calibration. • The media sensor or sensor circuitry may be defective. Call for service (see Product Service and Repair).
Printer doesn't print or feed	• When the Battery charge level indicator is Solid Orange, the printer might not feed or print. This is caused by the charging level being too low. Please wait until indicator turns solid green. • If the Media/Feed button is blinking orange after other troubleshooting has been attempted, call for service (see Product Service and Repair).
Printer skips every other label or occasionally skips labels	• The label is formatted too close to the top edge of the label. Leave white space equal to 8-dot rows, about .02 inch (.5mm) at the top of the label. • The media is not calibrated. See Calibration. • The media sensor or media-sensor circuitry may be defective. Call for service (see Product Service and Repair).

Problem	Possible Solution
Unable to print rotations	• The characters are formatted outside the dimensions of the label. Check that the row and column values provide enough room for the height of the image being printed.
Printing is light on the right side of the label	• The printer's cover is not latched down. Latch it. • The printhead is not properly aligned. Call for service (see Product Service and Repair).
Printer fails to power on	• The battery may need to be charged. Charge the battery (see Charge the Battery).
Label advances 8 inches before a fault indication	• The media may not be properly loaded. See Load the Media. When loading media, make sure the supply hubs are against the media and that gaps or marks in the labels are in line with the media sensor. • The media sensor or media-sensor circuitry may be defective. Call for service (see Product Service and Repair).
Labels move excessively from side to side during printing	• The media may not be properly loaded. See Load the Media. When loading media, make sure the supply hubs are against the media and that gaps or marks in the labels are in line with the media sensor.

SPECIFICATIONS AND ADDITIONAL RESOURCES

Specifications and Resources

1. Go to www.sps.honeywell.com and navigate to the RP2f/RP4f product page.

2. 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, Accessory Guide, Quick Start Guide, User Guide, Regulatory Information, and other product documentation.

Media Specification

For RP2f Printers:

Parameter	Specification
Media Roll Width	1 - 2.25 in. (25 - 57mm)
Maximum Print Width	1.89 in. (48mm)
Maximum Roll Capacity	2.25 in. (58mm) outside diameter
Core Sizes	0.4 in. (10.16mm), 0.75 in. (19mm), or 1 in. (25.4mm) inside diameter
Media Thickness	2 - 6.3 mil (.05 - .16mm)

For RP4f Printers:

Parameter	Specification
Media Roll Width	2 - 4.4 in. (51 - 111mm)
Maximum Print Width	4.1 in. (104mm)
Maximum Roll Capacity	2.25 in. (58mm) outside diameter
Core Sizes	0.4 in. (10.16mm), 0.75 in. (19mm), or 1 in. (25.4mm) inside diameter
Media Thickness	2 - 6.3 mil (.05 - .16mm).

Software and Firmware

PrintSet 5 and Print Set MC for complete printer setup.

Control Language Compatibility

- Fingerprint
- Direct Protocol
- IPL
- ZSim
- DPL
- Smart Printing (C#)
- Direct PDF Printing
- CSim (CPCL)
- EZ-Print

Device Management Support and Compatibility

- PrintSet 5
- Print Set MC
- Honeywell Operational Intelligence

Network Compatibility

TCP/IP-based networks, AS/400 (LPD)-based networks.

Label Design Software Compatibility

BarTender®

ERP Systems

SAP®, Oracle®

Fonts

Resident Fonts

- Andale Mono

- Andale Mono Bold
- CG Times
- CG Times Bold
- CG Triumvirate Condensed Bold
- Century Schoolbook Roman
- 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.

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

- Helvetica World
- MSung PRC Medium
- MSung HK Medium
- HYGothic-Medium
- WorldType Collection J
- WorldType Collection K
- WorldType Collection S
- WorldType Collection T

Note: *Contact Technical Support for information on downloadable fonts.*

Supported Font Types

- TrueType
- OpenType (TrueType based)
- Bitmap

Printed Barcode Symbologies

1D Barcode Symbologies

- 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
  - EAN 128
  - EAN 128 subset A
  - EAN 128 subset B
  - EAN 128 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 Symbologies

- 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

Note: *For more information on supported format, refer to the respective printer language specification.*

Required Safety Labels

RP2f Printer

WiFi MAC
Address

Bluetooth
Address

Compliance
Labels

RP4f Printer

WiFi MAC
Address

Bluetooth
Address

Compliance
Label

Compliance
Label

8 ACCESSORIES
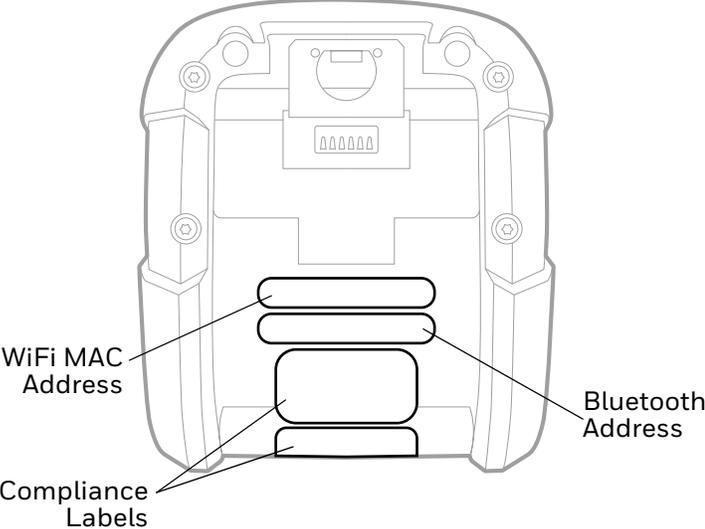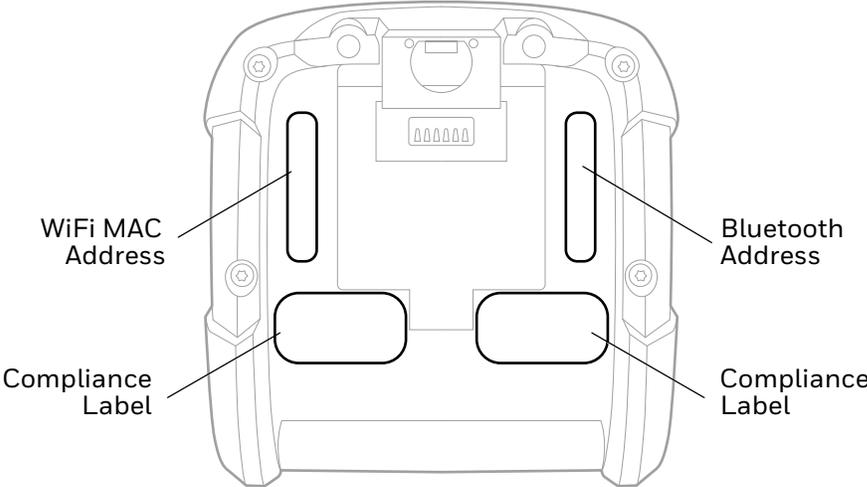
Belt Clip

The belt clip is included with your printer. The nub attachment allows the printer to swivel for comfort when you are bending over or getting in and out of vehicles.

Shoulder Strap/Hand Strap

Each hand or shoulder strap incorporates heavy-duty clasps for an easy and secure attachment, however, these are not OSHA-approved safety straps.

Both the hand strap and shoulder strap have a limited breakaway strength. If the strap is caught or wrapped and pulled beyond normal use, the strap will come off the attachment points. Do not use the straps for mounting, hanging or as the means for a permanent installation of the printer. If the latch appears damaged (white stress marks in the plastic), discontinue use and replace.

Shoulder Strap Interface

A small shoulder strap interface has been designed to connect the heavy-duty clasp of the should strap assembly to the RP2f printer.
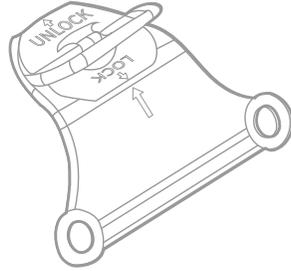
Note: The shoulder strap interface is only available for special order requests. Contact your local sales representative for assistance.

Belt Loop
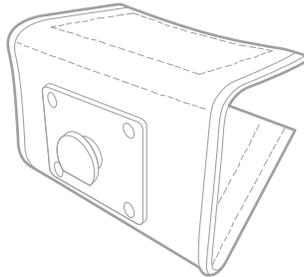
The Velcro® loop fastens comfortably and securely around your belt and keeps the printer secure. The nub attachment allows the printer to swivel for comfort when you are bending over or getting in and out of vehicles.

Soft Case

Proper use of this case will allow the printer to be used in harsh, dusty, or rainy environments. This case will protect your product against water from any direction and particles as small as dust. This case can be used in conjunction with the hand/shoulder straps as well the belt loop and belt clip accessories.

The soft case is not designed for extensive prolonged use in the rain. Do not allow water to enter the case when changing media.

> ⚠️ **Caution: Excessive water inside the printer, even if a soft case is used, may violate your warranty.**

1. Slide the printer into the case, then close the case using the 2 side zippers and Velcro® closure.

2. Fold back the paper exit flap for each print job. The paper exit flap can also be rolled up out of the way and secured using the Velcro® strip. Doing so decreases the effectiveness of the case for water protection.

Never attempt to charge when the printer case or printer is wet since a short circuit could occur. Remove the printer from the case, allow to completely dry, and then charge. In the event water is believed to have entered the printer, remove the battery and allow the unit to dry for several days before installing the battery or charging.

USB On-the-Go (OTG)

The RP2f or RP4f printer can act as a host so another device such as a barcode scanner, USB flash drive, or keyboard can be added. Contact your Sales Representative for a USB On-the-Go cable.

A

DEFAULT SETTINGS

Use this appendix to view the printer's factory default settings.

Communications

Wireless 802.11

To view these settings from the printer web page, click **Configure > Communications** > **Wireless 802.11**

802.11 Wireless Setting	Description	Default
General		
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.	
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)	Off
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
Security		
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.	Pre-Shared Key
Association	Selects the security method that the radio uses to get access to the wireless network.	WPA2/AES
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.	

802.11 Wireless Setting	Description	Default
Network Key Index	Selects the active network key to use for WEP security. Range is 1 to 4.	1
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.	
User Name	Sets the name that the printer uses when logging in to the network. Range is 1 to 96 characters.	
Password	Sets the password that the printer uses when logging in to the network. Range is 1 to 96 characters.	
Anonymous Name	Sets the outer EAP user name that the printer uses for logging in to the network. Maximum length is 96 characters.	
Inner Authentication	Selects the authentication method that is uses 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.	
Client Key	Sets the private key the printer uses for EAP-TLS. Maximum length is 128 characters. Use the certinstallsh script to install the certificate correctly.	
Server Common Name 1 - 2	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.	
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
Network		
(IPv4) IP Assignment Method	Specifies how the printer obtains an IP address.	DHCP
(IPv4) IP Address	Specifies the unique network-level address that is assigned to each device in a TCP/IP network (IPv4).	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 (IPv4).	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

802.11 Wireless Setting	Description	Default
DHCP Response	Specifies if the printer receives DHCP responses by broadcast or unicast.	Broadcast
(IPv6) IP Assignment Method	Specifies how the printer obtains an IP address (for IPv6 networks).	Automatic
(IPv6) IP Address	Specifies the unique network-level address that is assigned to each device in a TCP/IP network (IPv6).	

Bluetooth

To view these settings from the printer web page, click **Configure > Communications > Bluetooth**.

Bluetooth Setting	Description	Default
Security	Allows the printer to pair with a Bluetooth device without any passkey.	Always enabled.
Device Name	Sets the name that identifies the printer in the Bluetooth network. Maximum length is 16 characters.	Printer model number and serial number.
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).	-
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
Bluetooth LE Passkey	Sets the passkey that is used when pairing Bluetooth LE devices. Range is 1 to 16 characters (case-sensitive).	-

Printing

Media

To view these settings from the printer web page, click **Configure > Printing > Media**.

Media Setting	Description	Default
Media Type	Selects the type of media that is loaded in the printer.	Media With Gaps
Print Method	Sets the method of printing that the printer is using.	No Ribbon (DT) for direct thermal printers

Media 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 Measurement parameter. ← Media margin (X)	Variable
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 parameter. ←— Media width (X) —→	Variable
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 Measurement parameter. Media length (X)	Variable
Clip Default	Determines if the printer prints items outside the printable area of the label. When this is 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 this is set to **On**, the printer prints all barcode labels, but may also print unreadable, incomplete labels.	Off
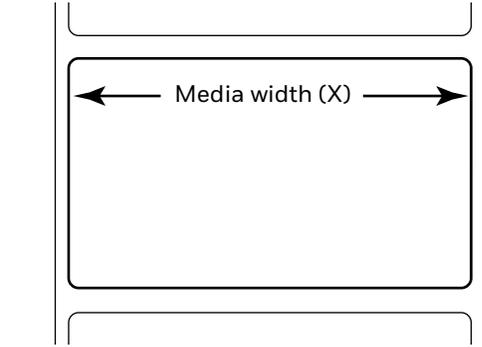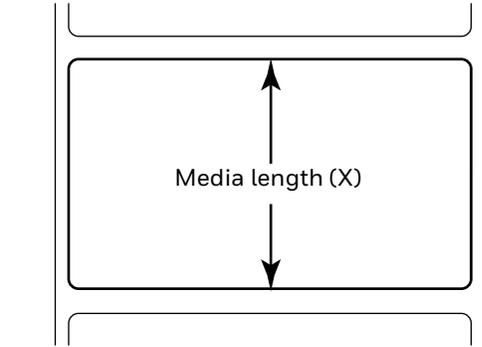
Media Setting	Description	Default
Print Mode	Selects the printer tear off mode.	Tear Off
Label Top Adjust	Sets the length of media the printer feeds (positive value) or retracts (negative value) before printing a label. Unit of measurement is defined in the Unit of Measure parameter. Range is -9999 to +9999.	0
Label Rest Adjust	Fine tunes the stop position of the label in Tear Off mode.	0
Media Calibration Mode	Selects the mode the printer uses to calibrate media. Use Slow if the printer has trouble identifying gaps or marks in media.	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 Measurement parameter. Range is 0 to 508mm.	0
Power Up Action	Sets the action when you turn the printer on: **No Action** **Form feed:** The printer feeds one label. **Test feed**: The printer prints two configuration labels as it calibrates the media sensors. **Smart Calibration**: Detects media type (gap, black mark, or continuous, detects printing method (ribbon or no-ribbon), and calibrates media length. **Length Calibration**: Calibrates media length.	No Action
Head Down Action	Sets the action when you close the print mechanism after opening it: **No Action** **Form feed**: The printer feeds one label. **Test feed**: The printer prints two configuration labels as it calibrates the media sensors. **Smart Calibration**: Detects media type (gap, black mark, or continuous, detects printing method (ribbon or no-ribbon), and calibrates media length.	No Action
Hold Feed Button Action	Sets the action when you press and hold the Print 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, detects printing method (ribbon or no-ribbon), and calibrates media length.	Smart Calibration
Label Counter	Specifies a label counter (from 1 to 49) that SNMP uses to report media counts.	0 (off)
Media Out Immediate Stop	Determine if stop feeding the media immediately once no media is detected.	Disable
Feed Strength	Increase the feed strength if higher force is needed to move the media due to slippage. For example, when using linerless media.	Low

Print Quality

To view these settings from the printer web page, click **Configure > Printing > Print Quality**.

Print Quality Setting	Description	Default
Print Speed	Sets how fast the printer prints the labels., in mm per second.	102mm/s
Darkness	Sets the image darkness for media. Adjust this parameter with the Media Sensitivity parameter. Range is 0 to 30.	15
Label Rotation	Rotate the label in 0 (no rotation), 90, 180, 270 degree in clockwise direction.	0 deg

System Settings

General System

To view these settings from the printer web page, click **Configure** > **System Settings > General**.

General System 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.	Empty string
System Contact	Sets the name of the printer administrator.	Empty string
XML Response Mode	Determines if the printer provides XML responses to printing requests (over Telnet and HTTP).	False
Display Language	(LCD printers only.) 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
Sleep Timer	Print sleep timeout (0 -9999 seconds)	30 seconds
Shutdown Timer	Print power down timeout (0 - 20160 minutes)	120 minutes
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

General System Setting	Description	Default
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	Selects the EasyCoder PF/PM/PX Compatibility Mode.	Disable

Display

To view these settings from the printer web page, click **Configure** > **System Settings > Display**.

Display Setting	Description	Default
Time Format	Selects the format used to display time on the printer.	24 Hour
Date Format	Selects the format used to display date on the printer.	dd/mm/yyyy
Feed Key Access	Determines if the Feed button on the printer keypad is enabled or disabled.	Enable

Audio

To view these settings from the printer web page, click **Configure** > **System Settings > Audio**.

Audio Setting	Description	Default
Volume	Selects the volume of the printer.	Medium

Manage I/O

To view these settings from the printer web page, click **Configure** > **System Settings > Manage I/O**.

System I/O Setting	Description	Default
Wireless 802.11	Allows the printer to communicate using its 802.11 radio.	Enable
Bluetooth	Allows the printer to communicate using Bluetooth.	Enable

Manage Services

To view these services from the printer web page, go to **Configure** > **System Settings > Manage Services**.

System Network Service Setting	Description	Default
Web Server	Determines if the web server is enabled in the printer.	Enable
FTP	Determines if the printer can use File Transfer Protocol.	Disable
Net1	Determines if the printer can use Telnet to communicate with Fingerprint.	Enable
SNMP	Determines if the printer can use SNMP.	Enable
LPR	Determines if the printer can use the line printer server (LPR) daemon.	Enable
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
Time Server	Determines if the printer obtains its time from a time server.	Disable
Device Management	Sets the hostconfigd net 9300 port can read XML commands.	Enable
Connectivity Agent	Determines if the printer can communicate with Honeywell Cloud.	Disable

Maintenance Alerts

To view these settings from the printer web page, click **Configure > System Settings > Maintenance Alerts**.

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. Unit of measurement is defined in the Unit of Measure parameter. 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. Unit of measurement is defined in the Unit of Measure parameter. 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. Unit of measurement is defined in the Unit of Measure parameter. Range is 0 to 4294967295.	0

Maintenance Alerts Setting	Description	Default
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. Unit of measurement is defined in the Unit of Measure parameter. 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. Unit of measurement is defined in the Unit of Measure parameter. 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 4294967295.	0
Low Battery	Sets the value that defines a low battery. Range is 0 to 100.	0

System Alerts

System alerts include error and warning.

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

To view these settings from the printer web page, click **Configure > Alerts > 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	Error–Printer in pause mode
Application Break	Disable	1	Occurrences	Error–Application break
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
Power Supply Too Hot	Disable	1	Occurrences	Error–Power supply too hot

Errors Alerts	Default Values			
	Status	**Delay Repeat**	**Delay Unit**	**Message**
Memory Full	Disable	1	Occurrences	Error–Memory Full
Flash Memory Full	Disable	1	Occurrences	Error–Flash Memory Full

Warning

To view these settings from the printer web page, click **Configure > Alerts > Warning.**

Warning Alerts	Default Values			
	Status	**Delay Repeat**	**Delay Unit**	**Message**
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
Memory Low	Disable	1	Occurrences	Warning-memory low
Flash Memory Low	Disable	1	Occurrences	Warning-Flash Memory low

Information

To view these settings from the printer web page, click **Configure > Alerts > Information.**

Warning 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

DNS

To view these settings from the printer web page, click **Configure > Network Services > DNS.**

DNS Network Service	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 address and routing information for the TCP/IP network.	
Secondary DNS Server	Sets the IP address of the secondary server to which the printer sends DNS requests. The DNS server retains IP address and routing information for the TCP/IP network.	

Net1

To view these settings from the printer web page, click **Configure > Network Services > Net1.**

Net1 Network Service	Description	Default
Queue	Selects how the printer handles multiple Net1 connections.	On
Port Number	Sets the port number that defines the Net1 TCP port. Range is 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

To view these settings from the printer web page, click **Configure > Network Services > Email Server.**

Email Server	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
Server Address	Sets the IP address of the email server.	0.0.0.0

Email Server	Description	Default
From Address	Sets the email address of the person who will receive the alert messages.	
To Address	Sets the email address that appears as the sender of the alert messages.	
Email Password	Sets the password the printer uses to communicate with SMTP SSL service.	

SNMP

To view these settings from the printer web page, click **Configure > Network Ser-vices > SNMP.**

SNMP	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.	
Write Community	Sets the name of the community that has rights to write the SNMP MIBs. Range is 1 to 32 characters.	
SNMvP1	Determines if the printer supports SNMvP1 functionality.	Enable
SNMvP2	Determines if the printer supports SNMvP2 functionality.	Enable
Trap Status 1 - 4	Determines if the trap is enabled or disabled	Enable
Trap Name1 -4	Sets a descriptive name for the trap.	
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.	
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.	
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.	
SNMPv3 Authentication Protocol	Selects the algorithm that the printer uses to determine that the messages are from valid source.	SHA
SNMPv3 Encryption Protocol	Selects the type of encryption that the printer uses to prevent messages from being seen by an unauthorized user.	AES

WINS

To view these settings from the printer web page, click **Configure > Network Services > WINS.**

WINS	Description	Default
Primary WINS server	Sets the IP address of the primary server to which the printer sends WINS requests. The WINS server IP address and routing information for the network.	
Secondary WINS server	Sets the IP address of the secondary server to which the printer sends WINS requests. The WINS server IP address and routing information for the network.	

Web Server

To view these settings from the printer web page, click **Configure > Network Services > Web Server**.

Web Server	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
Web Page Customization	Determine whether the web server will run user's customized webpage.	Disable

Time Server

To view these settings from the printer web page, click **Configure > Network Services > Time Server**.

Time Server	Description	Default
Server Address	Sets the address the printer uses to communicate with time server.	ntp0.cornell.edu
Port Number	Sets the port number the printer uses to communicate with the time server. Range is 1 to 65535.	123

Connectivity Agent

To view these settings from the printer web page, click **Configure > Network Ser-vices > Connectivity Agent**.

Connectivity Agent	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.	
Fingerprint Validation	Sets the fingerprint ID from the connectivity server.	
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

To view these settings from the printer web page, click **Configure > Network Ser-vices > XML Printing**.

Time Server	Description	Default
Port Number	Sets the port number that defines the TCP port of XML printing. Range is 1024 to 65535.	9200

Device Management

To view these settings from the printer web page, click **Configure > Network Ser-vices > Device Management**.

Time Server	Description	Default
Secure Communication	Determines if TLS encryption with authentication is used for data communication.	Disable

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.

Create and Save a Web Form

1. Create a webform using Fingerprint or Direct Protocol commands. (See Sample Code).

2. Save the file as .lbx

3. Create a Webforms folder in the USB thumbdrive and save the .lbx file in the folder.

4. Upload the Web Form to the printer. (See Uploading from a USB Storage Device).

Sample Code

```
input on
qVendor$ = /Vendor/
qModel$ = /Model Name/
qSerial$ = /Serial Number/

qDpi% = 406 \ sysvar(45)
qLen% = len(qVendor$)+len(qModel$)+len(qSerial$)
qMag%=2
if qLen% < 50 then qMag%=3
if qLen% < 40 then qMag%=4
if qLen% < 30 then qMag%=5
if qLen% < 20 then qMag%=6
if qLen% < 10 then qMag%=7

AN 1
PP 20,20
PX 160,360,4

AN 5
PP 100,100
BT "DATAMATRIX"
BM qMag%
PB "@"+qVendor$+"@"+qModel$+"@"+qSerial$

AN 5
FONT "Univers Bold", 14
PP 260,110
PT qVendor$

AN 5
FONT "Univers", 14
PP 260,70
PT qModel$
```

Print INPrint Labels

If the printer is connected to a 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://** followed by 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**.

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