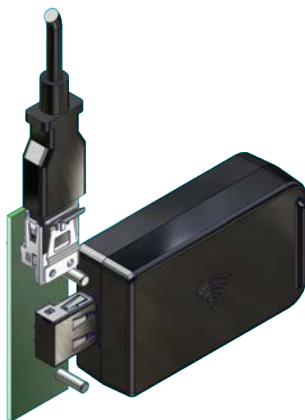




ENTRUST

Wi-Fi Module Upgrade Installation Instructions



These instructions apply to the Entrust Artista® CR805 Retransfer Card Printer and the Entrust Artista® CR825 & CE875 Instant Financial Issuance System, and the following upgrade kits:

Upgrade Kit Number	CR805	CR825	CE875
523214-001 Wi-Fi Module, Upgrade Kit	Yes	Yes	Yes
523214-002 Wi-Fi Module, Upgrade Kit w/ USB Board	Yes	Yes	Yes



Newer revisions of the Wi-Fi module requires printer firmware version R4.11.1 or above. The revision letter of the Wi-Fi module can be found on the shipping box of the upgrade kit. Upgrade kits that require R4.11.1 firmware update include:

- Kit 523214-001 revision F or higher
- Kit 523214-002 revision G or higher

Agency Compliance Information

Refer to the WX15 Declaration of Conformity document on the Entrust Environmental and Product Certifications web page.

<https://www.entrust.com/legal-compliance/environmental-product-certifications>

Click **RoHS** > **WX15**.

California Proposition 65 Compliance

WARNING: This product contains chemicals, including lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. ***Wash hands after handling.***

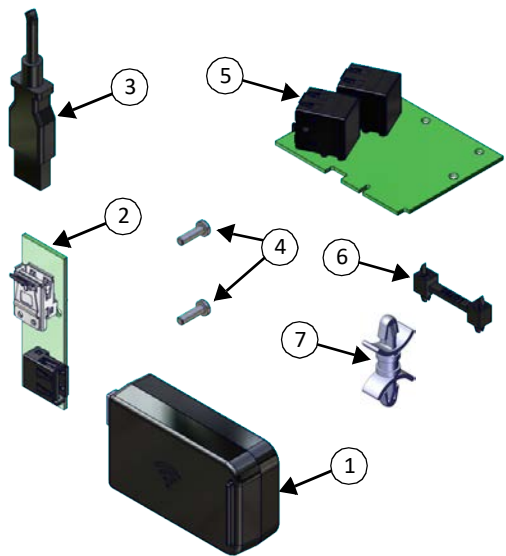


Warning: This product can expose you to chemicals including Di(2-ethylhexyl) phthalate (DEHP), which is known to the State of California to cause cancer, and Di(2-ethylhexyl)phthalate (DEHP) and Butyl benzyl phthalate (BBP), which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov and <https://www.entrust.com/legal-compliance/environmental-product-certifications>.

Upgrade Kit Contents

The following parts are included in the upgrade kit:

Item	Qty.	Description
1	1	Wi-Fi Module Assembly
2	1	USB A-A Connector Board
3	1	USB Cable Assembly, Male A to USB Male A
4	2	Screw, PT Form, PH Torx TF M3-1.34 X 10
5	1	USB Host Controller Board
6	1	Latching Standoff
7	1	Mini Standoff



Additional Tools and Materials

Items not supplied with this kit:

- The printer's *User's Guide*
- A T10 Torx screwdriver

Installation Procedure

The installation of this upgrade kit adds a Wi-Fi module to the printers left enclosure. This enables the printer to be connected to a Wi-Fi network.



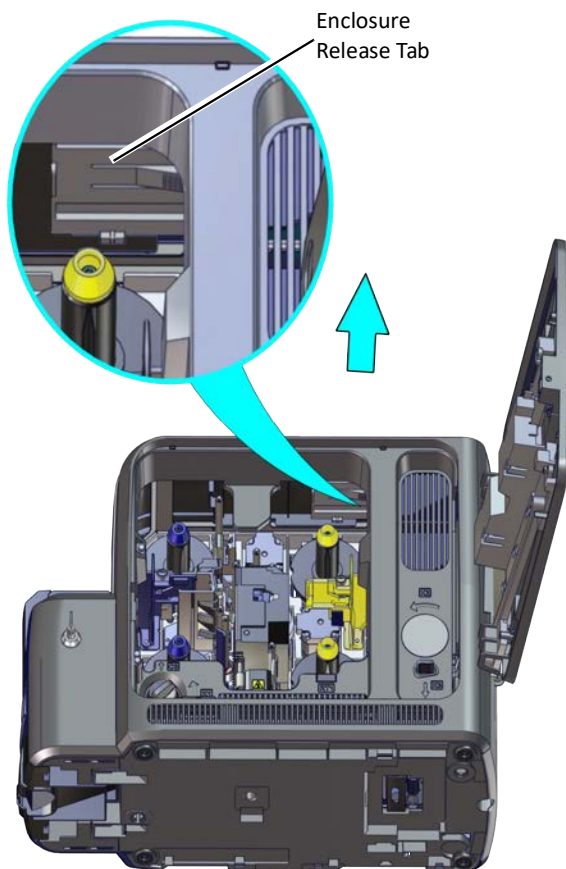
Newer revisions of the Wi-Fi module requires printer firmware version R4.11.1 or above. The revision letter of the Wi-Fi module can be found on the shipping box of the upgrade kit. Upgrade kits that require R4.11.1 firmware update include:

- Kit 523214-001 revision F or higher
- Kit 523214-002 revision G or higher

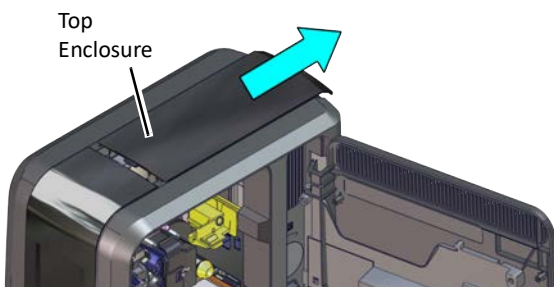
Update the printer firmware if necessary.

Install the Hardware

1. Disconnect the power and the USB or Ethernet cables from the printer.
2. Remove the printer enclosures.
 - a. Unlock and open the printer access door and remove the ribbon (C1), film (C2) cartridges and the cleaning roller (C3).
 - b. Reach through to the roof of the printer and push up on the enclosure release tab.



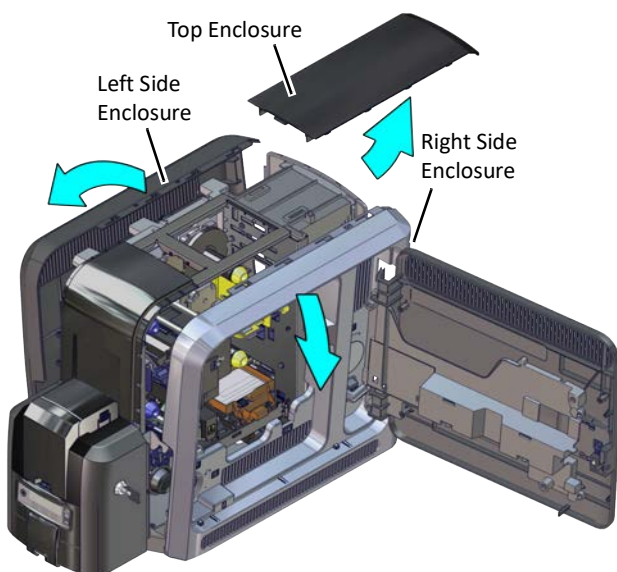
- c. While continuing to hold up on the enclosure release tab, slide the top enclosure toward the back of the printer.



- d. Remove the top enclosure from the printer.
- e. Pull up on the side enclosures to unsnap them from their retaining tabs, then swing out the enclosures to remove them from the printer. The rear enclosure swings out when the others are removed.



There are cables attached to the right side enclosure. After unsnapping the right side enclosure at the top, close the main door and lay the enclosure assembly next to the printer. Do not pull the right side enclosure away from the printer.



3. Install components in the left enclosure.

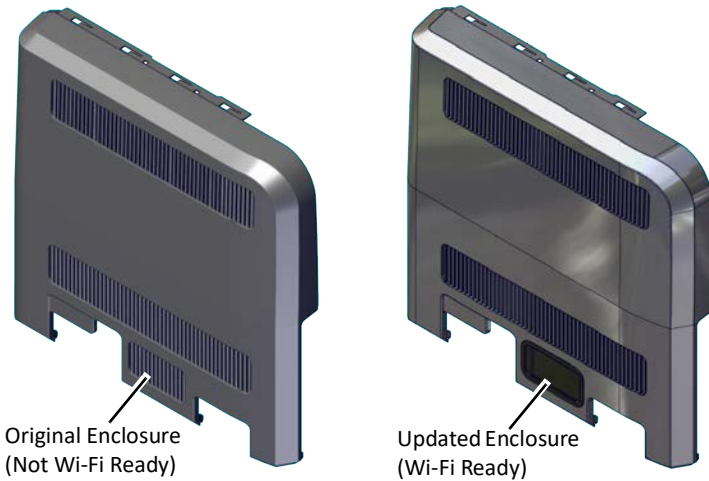


The installation of the Wi-Fi kit requires an updated left enclosure. The updated enclosure is installed on printers with serial numbers after:

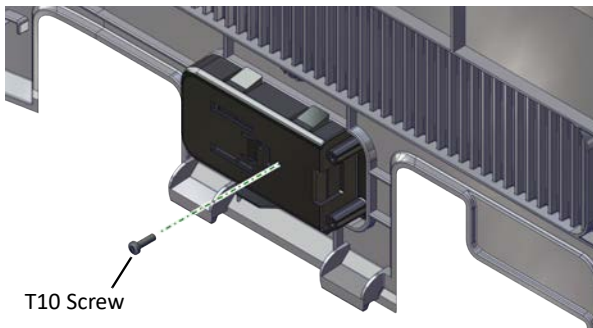
- CR805: NM11573 or later
- CR825: PM10423 or later
- CE875: RM10148 or later

The updated enclosure is available to order as a field replacement unit for printers manufactured before these serial numbers:

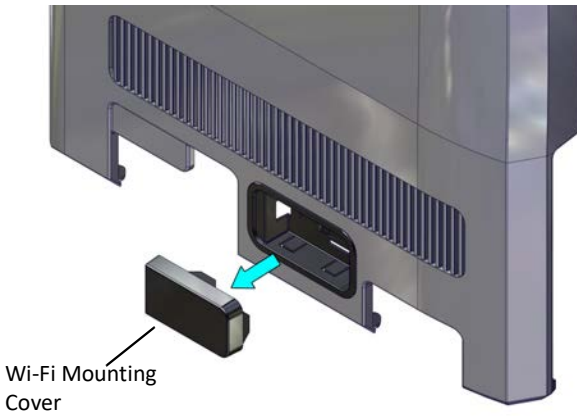
- 515848-999 - FRU, Wi-Fi Enclosure



- a. Loosen and remove the T10 Torx screw that secures the Wi-Fi Mounting Cover to the enclosure.



- b. Remove the Wi-Fi Mounting Cover from the enclosure.

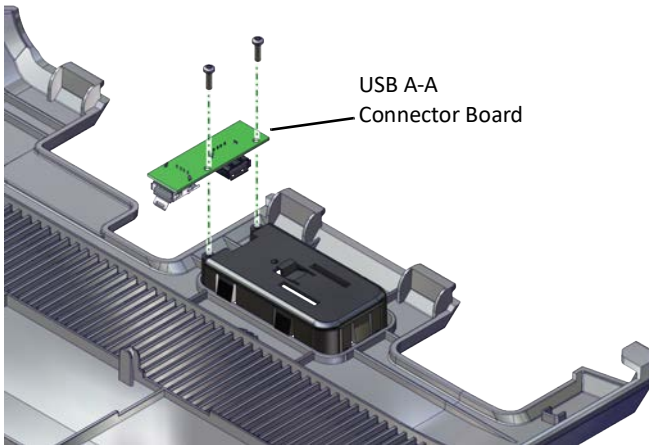


- c. Install the USB A-A Connector Board, and secure it using two T10 Torx screws.

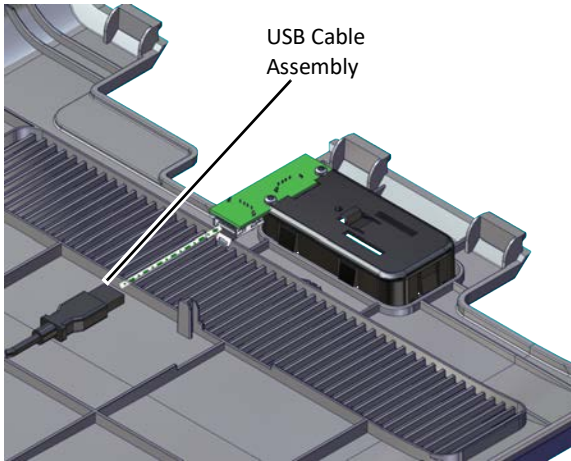


ESD!

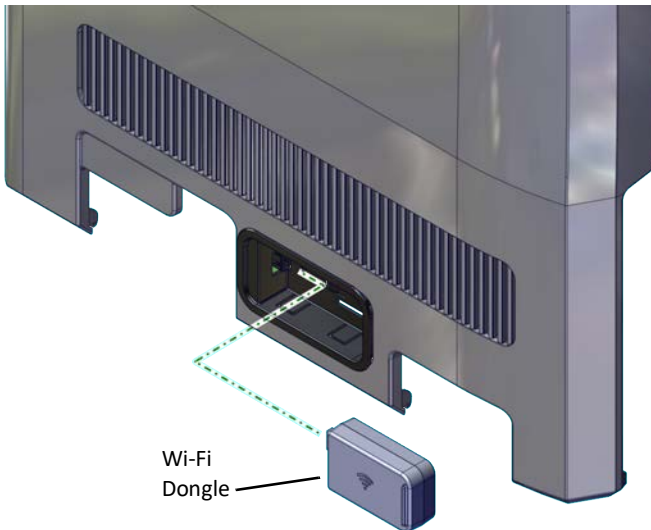
Follow standard electrostatic discharge procedures while handling an electrical board.



- d. Install the USB Cable Assembly into the USB A-A Connector Board.



- e. Insert the Wi-Fi module into the Wi-Fi Mounting Bracket, and plug it into the USB A-A Connector Board. Make sure that the module locks into the mounting bracket.





Installation of the USB Host Board is required only on printers that do not already have the board installed. For example, printers with the Duali smart card reader option already have the USB Host Board installed.

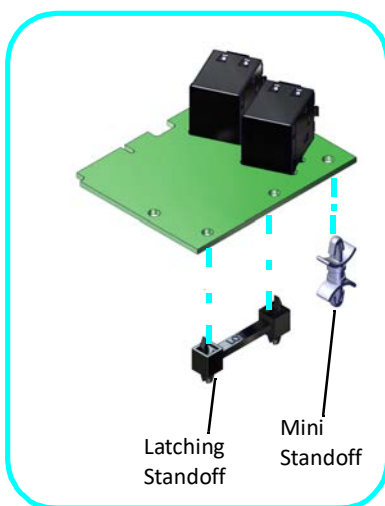
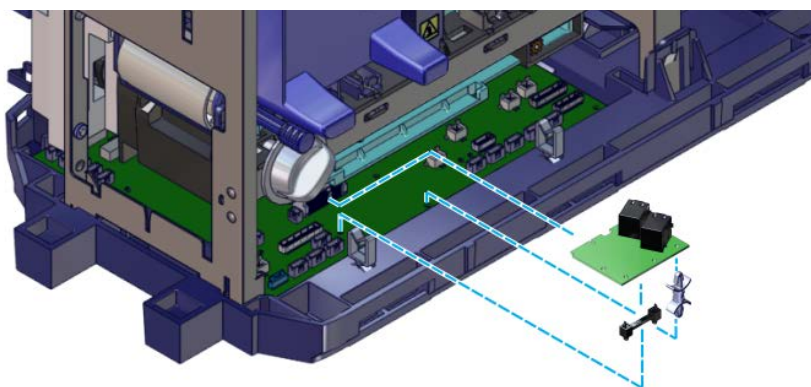
4. Install the USB host board into the printer's main control board at terminal J38 using the plastic standoffs to secure the board.

Make sure to match the tabs in the standoffs with the holes in the USB host and the printer's main control board.

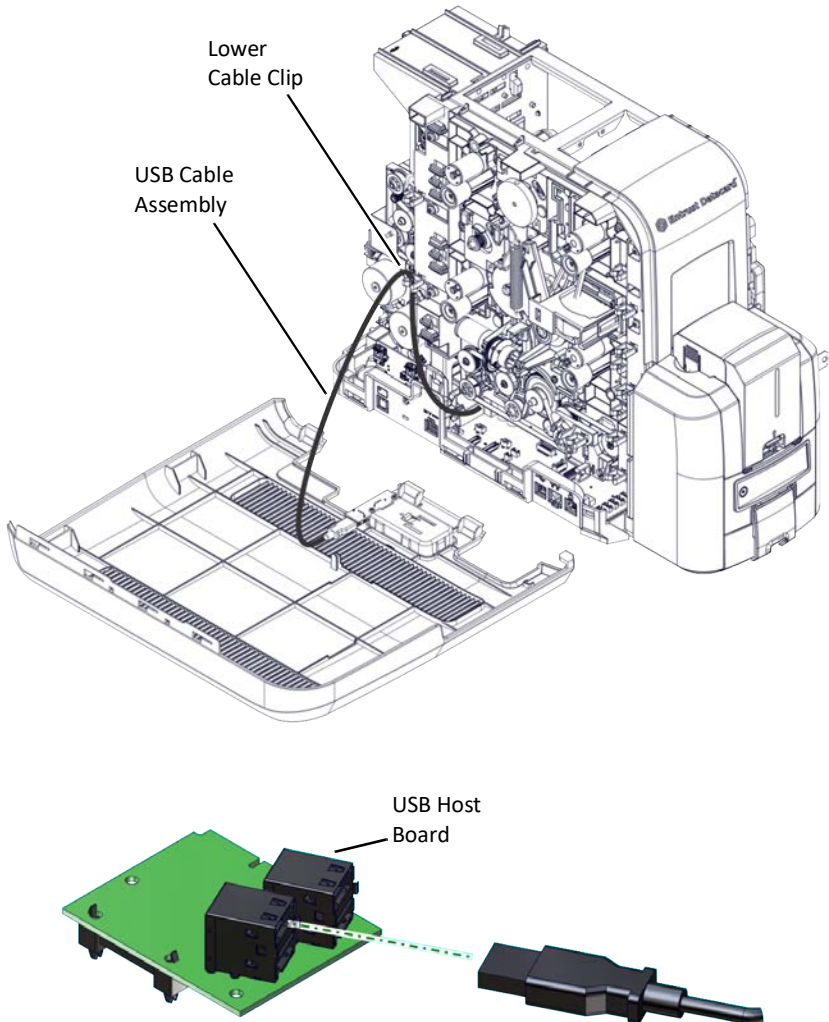


ESD!

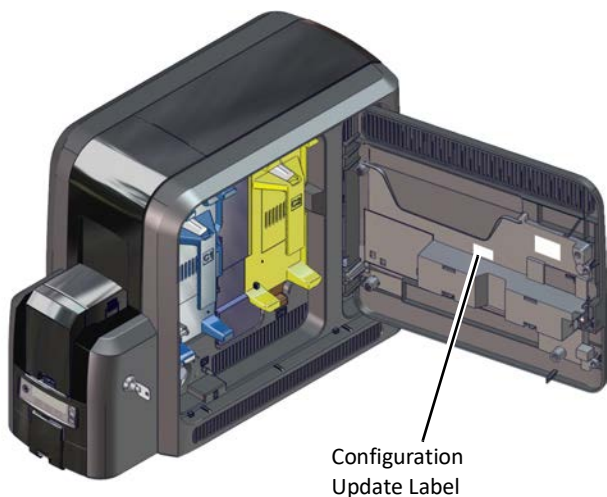
Follow standard electrostatic discharge procedures while installing an electrical board.



5. Route the USB Cable Assembly through the lower cable clip towards the rear of the transport, to the other side of the printer and then connect the cable into an open port of the USB Host Controller Board.



6. Replace the enclosures on the printer.
7. Install the cleaning roller (C3), ribbon (C1), and film (C2) cartridges into the printer.
8. Peel off and apply the configuration update label next to the existing configuration label on the access door of the printer.



9. Connect the USB or Ethernet cable.
10. Plug in and power on the printer.

Configure the Wi-Fi Network Connection

Connect the printer to the network using the Wi-Fi hardware installed.

1. Connect to the printer using a wired (Ethernet or USB) connection.
2. Log on to Printer Manager with administrator level access.
3. Configure the settings for the wireless network.
 - a. Click **Printer Setting > WifiNetworkStationSetup**.

Use the settings in this menu to configure the Wi-Fi module. The only menu items that initially have values are WifiAddressMethod and WifiMacAddress.

- ◆ The default WifiAddressMethod is set to DHCP.
- ◆ The WifiMacAddress displays the Mac Address of the Wi-Fi module.

WifiCommunication		
Description	Default Value	Current Value (unit)
1) WifiAddressMethod	DHCP	DHCP ▾
2) WifiDnsAddress1	0.0.0.0	0.0.0.0
3) WifiDnsAddress2	0.0.0.0	0.0.0.0
4) WifiDnsSearchSuffix		
5) WifiGatewayAddress	0.0.0.0	0.0.0.0
6) WifiIpAddress	0.0.0.0	0.0.0.0
7) WifiMacAddress		00:0e:8e:6e:7d
8) WifiPassword ① Password will not be displayed after it is set.		
9) WifiSecurityMode ① If turning on security, please enter a password.	None	None ▾
10) WifiSSID		
11) WifiSubnetMask	0.0.0.0	0.0.0.0
12) WifiUserName		

Set Current
Restore Default

- b. Configure the printer to use either DHCP or STATIC networking.



Obtain all required network configuration information from the network administrator before connecting the printer.

DHCP

Enter the following values to connect the printer if using DHCP networking:

- ◆ **WifiSecurityMode:** Select the type of wireless security to use from the drop-down list (None or WPA2_Personal).
- ◆ **WifiPassword:** Enter the password used for secure access to Wi-Fi.
- ◆ **WifiSSID:** Enter the SSID (network name) of the network to which the printer is connecting.

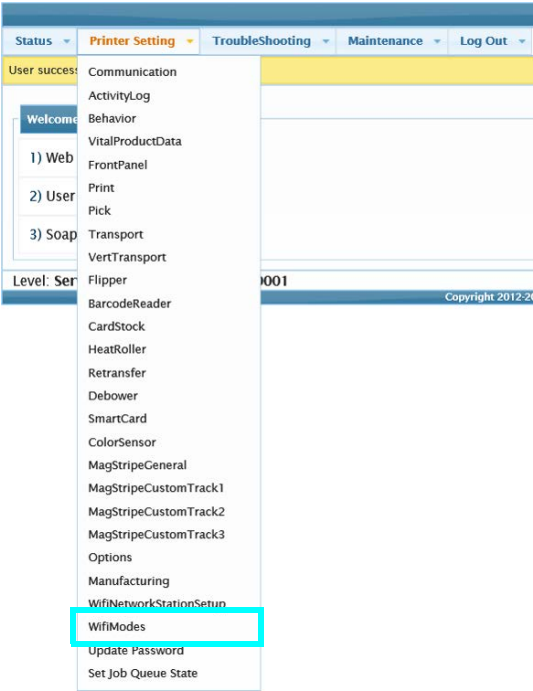
STATIC

Enter the following values to connect the printer if using STATIC networking:

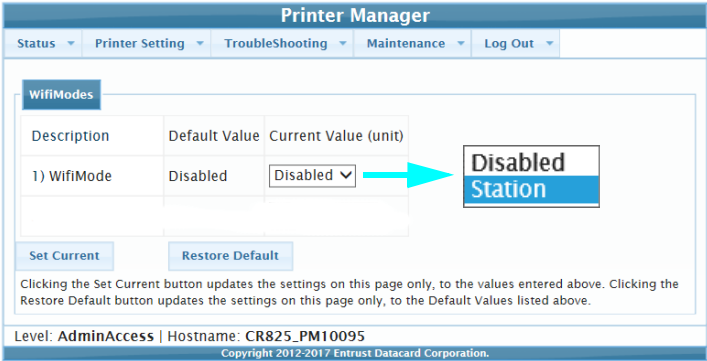
- ◆ **WifiAddressMethod:** Select **STATIC**.
- ◆ **WifiGatewayAddress:** Enter the gateway address of the network to which the printer is connecting.
- ◆ **WifiIpAddress:** Enter the IP address of the network to which the printer is connecting.
- ◆ **WifiSecurityMode:** Select the type of wireless security to use from the drop-down list (None, WEP or WPA2).
- ◆ **WifiPassword:** Enter the password used for secure access to Wi-Fi.
- ◆ **WifiSSID:** Enter the SSID (network name) of the network to which the printer is connecting.

- c. Click **Set Current** to save the settings.

- 4. Turn on the Wi-Fi option.
 - a. Click **Printer Setting** > **WifiModes**.



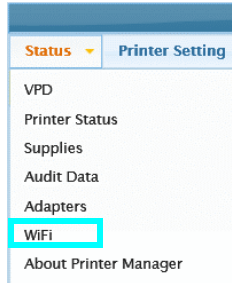
- b. In WifiMode, click the drop-down list and select **Station**.
 - c. Click **Set Current**.



Check the Wi-Fi Connection

Check Printer Manager to confirm the correct installation of the Wi-Fi hardware and network configuration.

1. In Printer Manager, click **Status > Wi-Fi**.



The Wi-Fi network connection information displays.

WiFi	
1) EnableStatus	Station
2) AddressMode	DHCP
3) IPAddress	192.168.0.179
4) SubnetMask	255.255.255.0
5) GatewayAddress	192.168.0.1
6) MACAddress	00:0e:8e:6e:74:a3
7) SSID	Buffy
9) Connected	Yes
10) SignalStrength	4

Register Your Upgrade

Please contact your service partner to register this Entrust printer upgrade. By registering this upgrade, you maintain the records of your printer configuration with Entrust for the best possible service experience. Product registration requires:

- Printer serial number
- Upgrade kit part number



Service Providers: Register the upgrade kit through TrustedCare.

Notes

Notes



ENTRUST

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