

ZebraNet 802.11ac Radio Wireless Print Server Option/Maintenance Kit



Installation Instructions

This kit includes the parts and documentation necessary to install the ZebraNet 802.11ac Radio Wireless Print Server Option/Maintenance Kit into the following printers:

- ZT410/ZT420
- ZT411/ZT421
- ZT510
- ZT610/ZT620

Read these instructions thoroughly before installing this kit.



IMPORTANT: If the print server is being used in countries outside of the USA, Canada, or Japan, a qualified service technician must perform this installation.



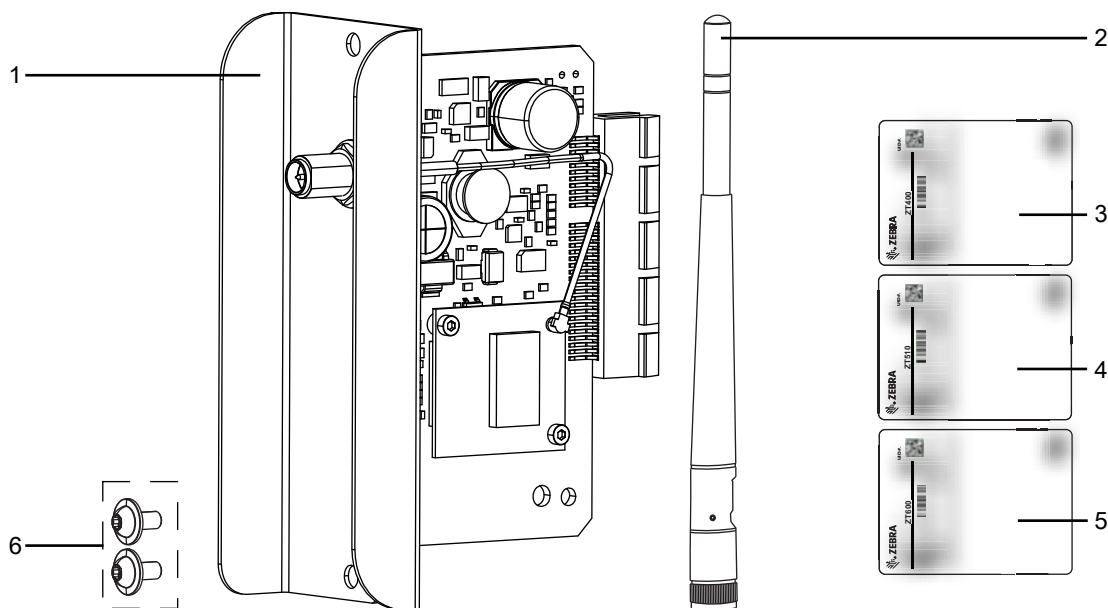
NOTE: Check the part number in the media side of the ZT410/ZT420 Printers. This kit is used on ZT410/ZT420 Printers with the letter A in the 6th position of the part number. Example: ZT4x0A-xxxxxxx. If the part number does not have the letter A in the 6th position of the part number, the printer firmware must be updated to version V75.20.14Z or later before installation.



NOTE: Installing this print server disables the ZT410/ZT420 PrintTouch capability. After installation, Bluetooth devices must be paired with the printer manually.

Parts List

Before proceeding, verify that the kit contains the following items.



✓	Item	Description	Qty
	Ref	Wireless Print Server 802.11ac Radio Option/Maintenance Kit, Region A (USA and Canada)	
		Wireless Print Server 802.11ac Radio Option/Maintenance Kit, Region B (Japan)	
		Wireless Print Server 802.11ac Radio Option/Maintenance Kit, Region C (All other countries other than regions, A and B)	
	1	ZebraNet Print Server 802.11ac Accessory Card	1
	2	ZebraNet Print Server 802.11ac Antenna	1
	3	ZT400 Compliance Label	1
	4	ZT510 Compliance Label	1
	5	ZT600 Compliance Label	1
	6	Screws, M3 × 0.5 × 6	2

To reorder specific parts, navigate to zebra.com/parts, and select the printer model.

Tools Required



- Metric Hexalobular Wrench Set
- Phillips Screwdriver Set
- Antistatic Wriststrap and Mat
- Programming Guide for ZPL II, ZBI 2, Set-Get-Do, Mirror, and WML or Internet access to download the guide from zebra.com.

Prepare for Installation



CAUTION: Turn off (O) the printer and disconnect it from the power source before performing the following procedure.



CAUTION—ESD: Observe proper electrostatic safety precautions when handling static-sensitive components such as circuit boards and printheads.

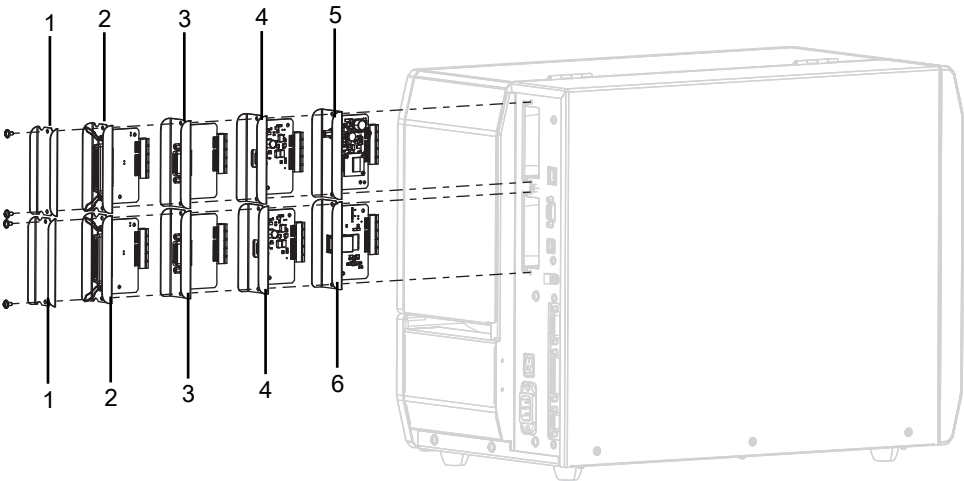
- 1. Connect yourself to an antistatic device.
- 2. Are you replacing an existing option card?

If...	Then...
Yes	Go to Remove the Old Option Card.
No	Go to Remove the Cover Plate on page 5.

Remove the Old Option Card

- 1. See Figure 1 to verify the slots that can be used for the various option cards.

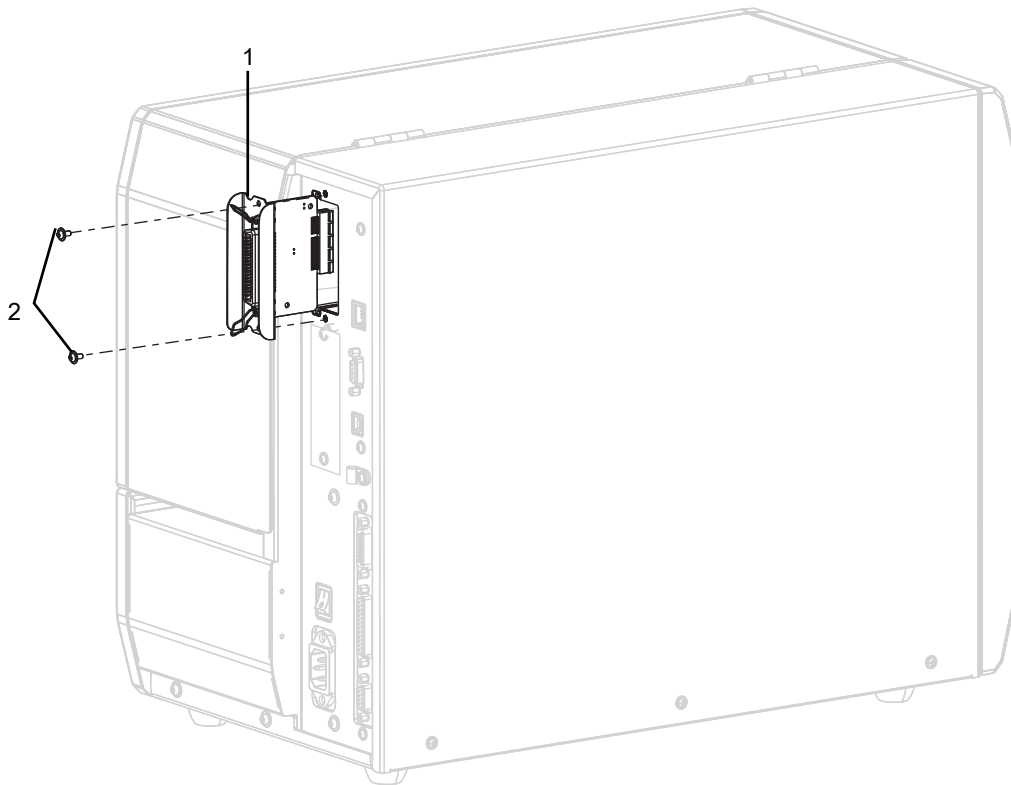
Figure 1 Option Card Locations (ZT610 shown)



1	Blank cover
2	Parallel port
3	Applicator interface
4	USB Host
5	Wireless (only in this location)
6	Internal print server IPV4 (only in this location)

2. See Figure 2. Remove the two option card mounting screws that secure it to the top slot.

Figure 2 Remove the Option Card (ZT610 shown)



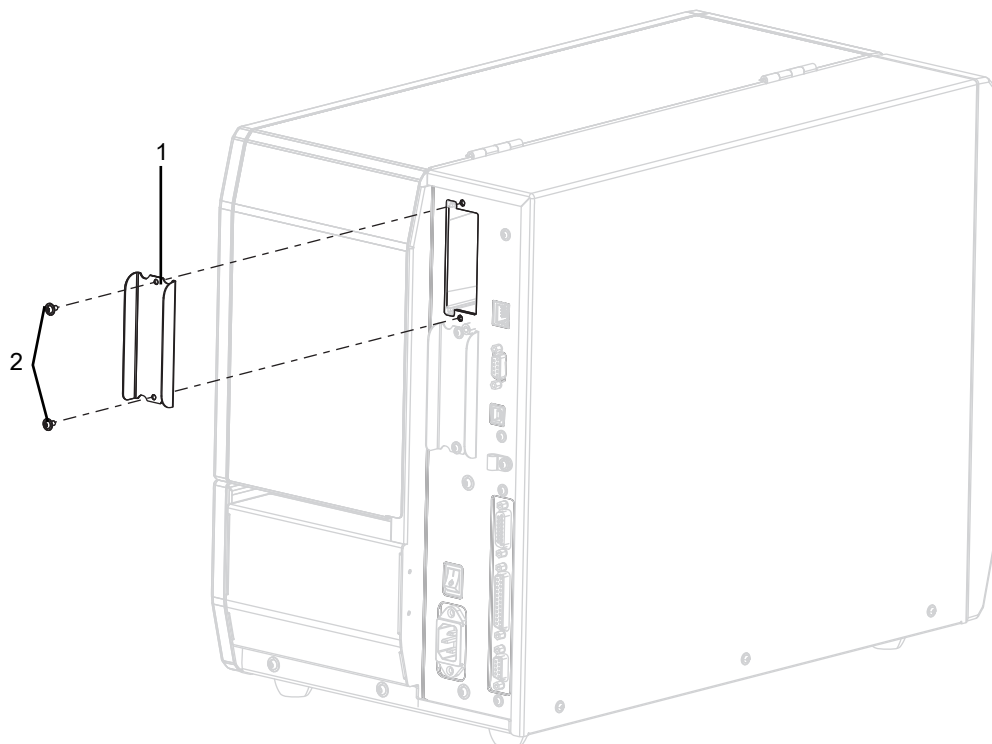
1	Option card
2	Mounting screws (2)

3. Slide the option card out of the printer.
4. Go to Install the ZebraNet 802.11ac Radio Print Server on page 6.

Remove the Cover Plate

1. See Figure 3. Remove the blank cover covering the top slot by removing the two mounting screws.

Figure 3 Remove the Blank Cover (ZT610 shown)

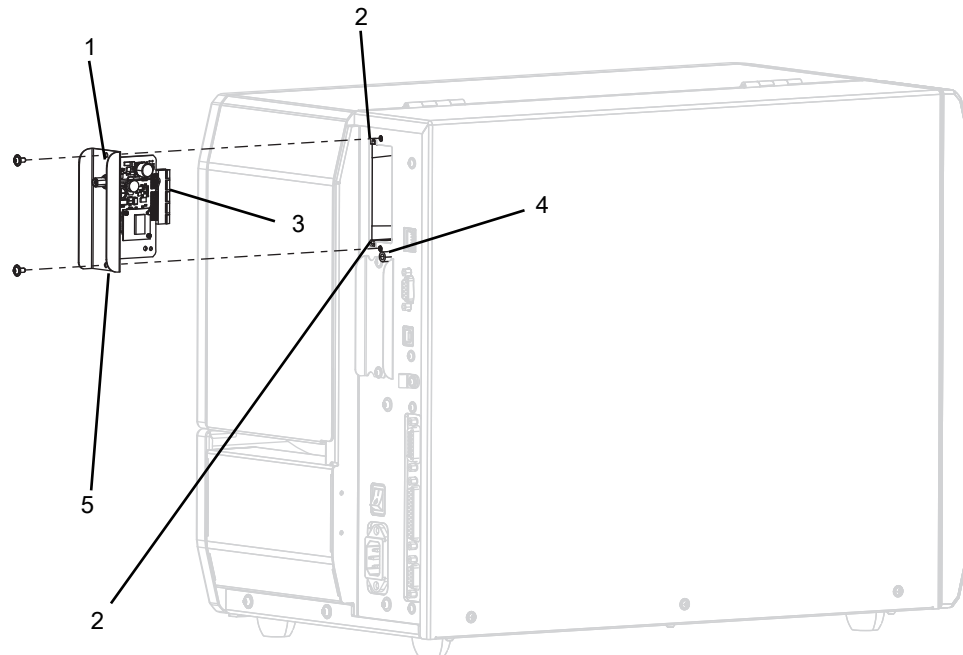


1	Blank cover
2	Mounting screws (2)

Install the ZebraNet 802.11ac Radio Print Server

1. See Figure 4. Align the print server card with the option card guide slots in the top slot of the printer.

Figure 4 Install the New ZebraNet Print Server Card (ZT610 shown)

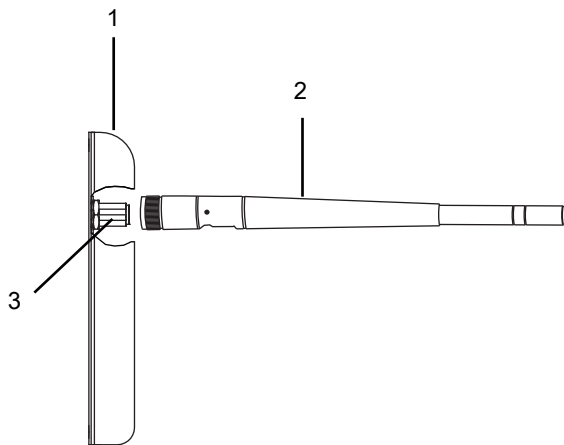


1	Wireless print server card
2	Option card guide slots (2)
3	Wireless print server card connector
4	Locating post
5	Locating notch

2. Slowly slide the wireless option card into the printer until it stops.
3. Ensure that the option card connector is aligned with the main logic board connector, and then push in the card on the top and bottom until the card is flush with the back of the printer.
4. Install the two mounting screws.

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5. See Figure 5. To install the external antenna, screw the antenna onto the RF connector extending out of the option card.

Figure 5 Close-up of Antenna Installation



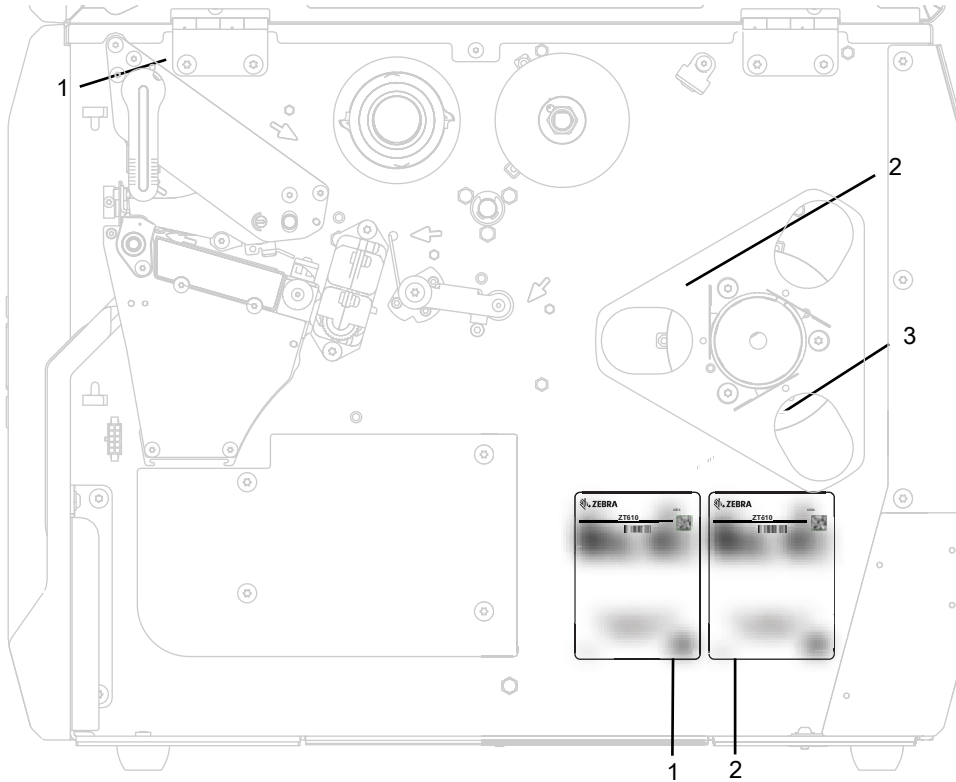
1	Option card mounting plate
2	RF antenna
3	RF connector

6. Which printer are you working on?.

If you have a...	Then...
ZT600 Series or ZT510 Printers	Go to Apply the Compliance Label on ZT600 Series and ZT510 Printers on page 8.
ZT400 Series Printers	Go to Apply the Compliance Label on ZT400 Series Printers on page 9.

Apply the Compliance Label on ZT600 Series and ZT510 Printers

1. Open the media door and remove the media.
2. Locate the Product Label (1), already in place.

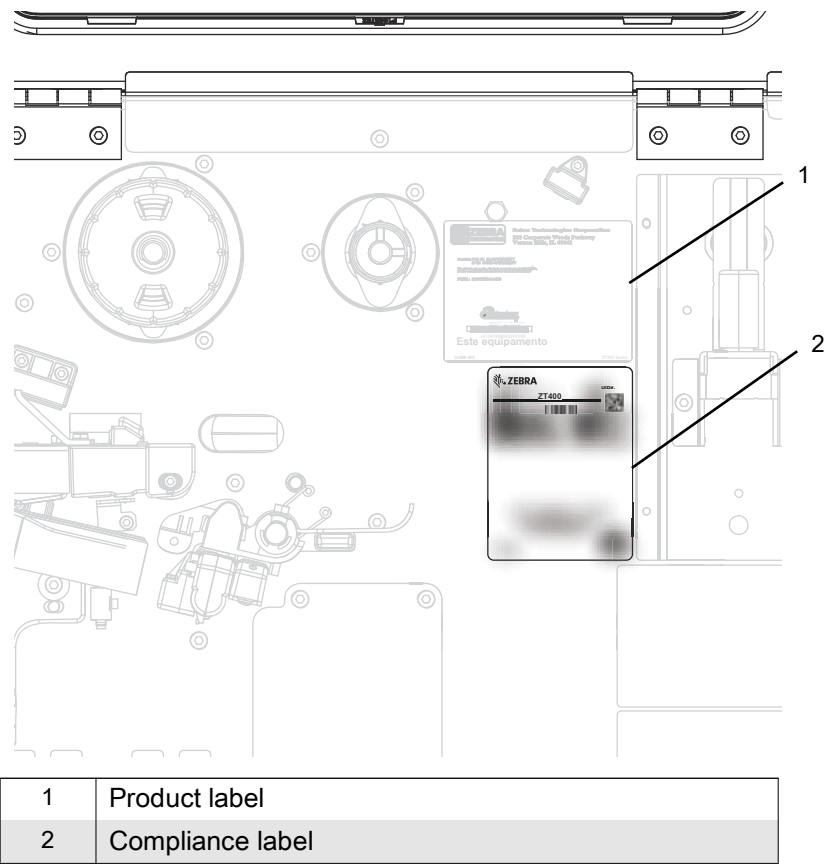


3. Select the proper compliance label for the printer.
4. Peel the backing off of the ZT600 series or ZT510 Compliance label (2), and then install the label beside the product label (1).
5. Reinstall the media.
6. Reconnect the AC power cord and all data cables, and then turn on (I) the printer.

Apply the Compliance Label on ZT400 Series Printers

- 1. Open the media door and remove the media.
- 2. See Figure 6. Locate the Product Label, already in place.


Figure 6 Locate the Product Label



- 3. Select the proper compliance label for the printer.
- 4. Peel the backing off of the label, (ZT10/ZT420 Printers), and then install the label below the product label as shown in Figure 6.
- 5. Reinstall the media.
- 6. Reconnect the AC power cord and all data cables, and then turn on (I) the printer.

Configure the Printer for Wi-Fi Operation

1. Connect the printer to your computer using a USB or serial connection.
2. Is the printer to be used in the United States, Canada, or Japan?

If...	Then...
Yes	<ol style="list-style-type: none">a. The country codes have been preset at the factory and cannot be changed.b. Go to step 3.
No	<p>The country code must be set for your wireless board.</p> <p> IMPORTANT: The list of country codes is specific to each printer and depends on the printer model and its wireless radio configuration. The list is subject to change, addition, or deletion with any firmware update, at any time, without notice.</p> <ol style="list-style-type: none">a. To determine the country codes available on the printer, issue the following command to return all commands related to WLAN settings. ! U1 getvar "wlan"b. Locate the wlan.country.code command in the results and view the country codes available for the printer.c. Send the following command with the appropriate country code value. When this value has been set, it cannot be changed. ! U1 setvar "wlan.country_code" "value"d. Go to step 3.

3. Do you need to pair a Bluetooth device?

If...	Then...
No	Go to Resume Printer Operation on page 15.
Yes	Go to Bluetooth Pairing on page 11.

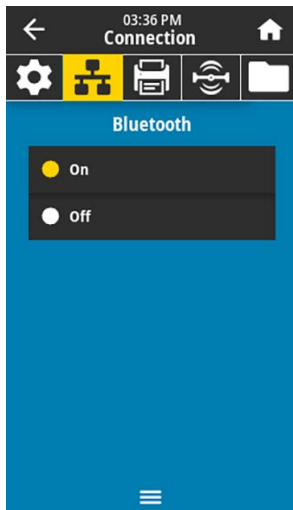
Bluetooth Pairing

Which type of printer do you have?

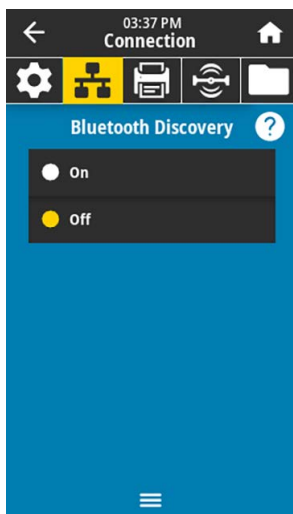
If you have a...	Then...
ZT600 Series ZT510	<ol style="list-style-type: none">1. Turn on Bluetooth on your device.2. Hold up the device to the NFC logo on left side of the printer, next to the control panel.3. Follow the prompts on the device and the printer to pair them.
ZT411 or ZT421	Go to Manually Pairing ZT411 and ZT421 Printers on page 11.
ZT410 or ZT420	Go to Manually Pairing ZT410 and ZT420 Printers on page 12.

Manually Pairing ZT411 and ZT421 Printers

1. From the printer's home screen, navigate to **Connection > Bluetooth > Bluetooth**.



2. Touch **On** to enable Bluetooth on the printer.
3. Navigate to **Connection > Bluetooth > Bluetooth Discovery**.

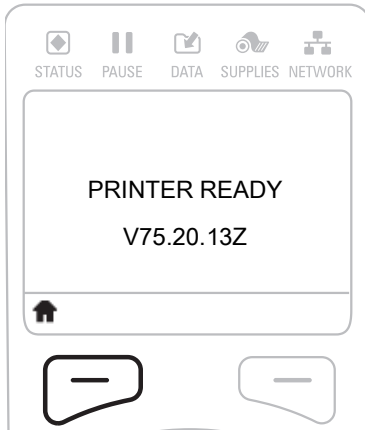


4. Touch **On** to enable Bluetooth discoverable mode on the printer.

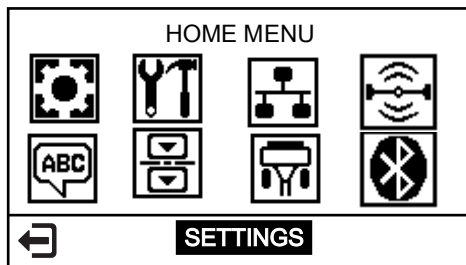
The printer is now discoverable to Bluetooth devices. Use the Bluetooth options on the device to pair it with the printer. For other Bluetooth features available on your printer, go to zebra.com/zt411-info or zebra.com/zt421-info.

Manually Pairing ZT410 and ZT420 Printers

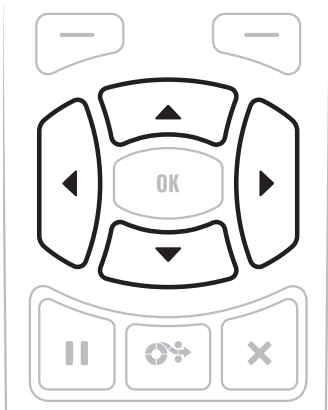
1. From the printer's display screen, press **LEFT SELECT** to select the Home icon.



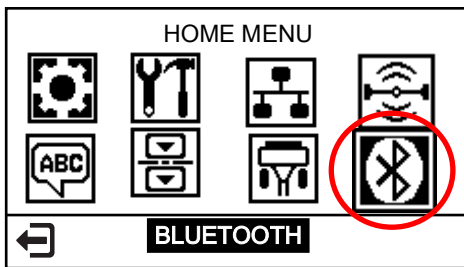
The printer displays the Home Menu.



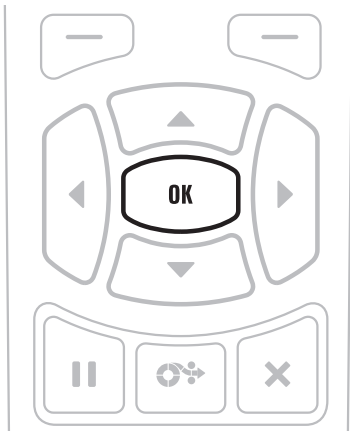
2. Use the **ARROW** buttons to navigate to the **BLUETOOTH** menu.



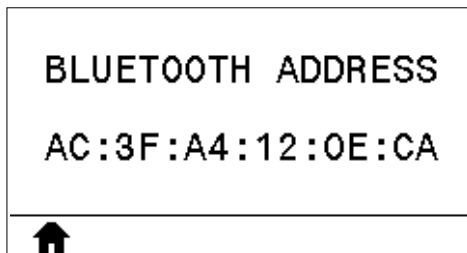
The Bluetooth menu is selected.



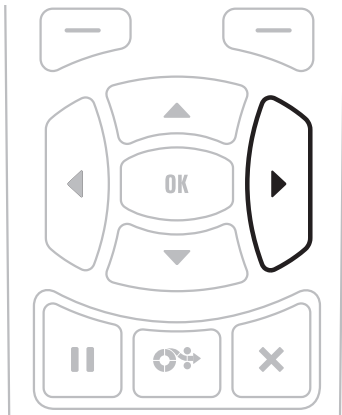
3. Press OK.



The printer displays the Bluetooth MAC address.



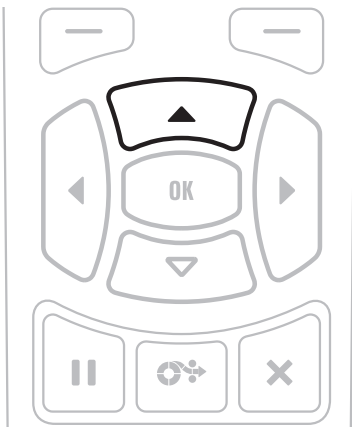
4. Use the **RIGHT ARROW** button to scroll to **DISCOVERY**.



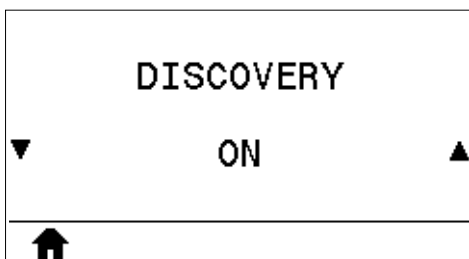
The printer displays **DISCOVERY**.



5. Use the **UP ARROW** button to change **DISCOVERY** to **ON**.



DISCOVERY is on.



The printer is now discoverable to Bluetooth devices. Use the Bluetooth options on the device to pair it with the printer.

Resume Printer Operation

1. Reinstall media and ribbon (if used).
2. Close the media door.
3. If you disconnected the AC power cord and interface cables, reconnect them, and then turn on the printer power.
4. If necessary, press Pause to resume printer operation.

The installation is complete.

