

Link-OS Cloud Printing Demo





Overview


This demo allows you to pair your Link-OS mobile printer with a Zebra Bluetooth® scanner and use the printer’s wireless radio to communicate directly to a cloud-based application that’s developed with the [Link-OS SDK](#). As barcodes are scanned, the data is sent by the printer to the cloud application for immediate processing, showing the power of the [Link-OS cloud connect feature](#). The application is deployed on the Microsoft® Azure™ platform.

The demo also shows [customized menus](#) can be created and used on the front panel of the printer.

Recommended Equipment:	Software & configuration file links:
<ul style="list-style-type: none">• ZQ620 dual radio version.• 2” x 1” labels.• 3” x continuous media.• RS6000 Ring Scanner or another Zebra Bluetooth scanner.	<ul style="list-style-type: none">• PC TOOL FOR RS507• Zebra Setup Utilities for Windows• Printer Configuration Files

RS6000 Scanner Configuration

1	Scan Defaults	 *Restore Defaults
2	Scan SPP barcode	 SPP Bluetooth Classic (Non-Discoverable)
3	Scan Pairing barcode for your printer.	Generate this barcode using the PC tool for RS507 application.

4	Scan the reconnect on Power up barcode	
5	Scan <DATA><SUFFIX1>	 <DATA> <SUFFIX 1> (1)
6	Power cycle the Ring scanner by removing/replacing the battery.	

Link-OS Cloud Printing Demo

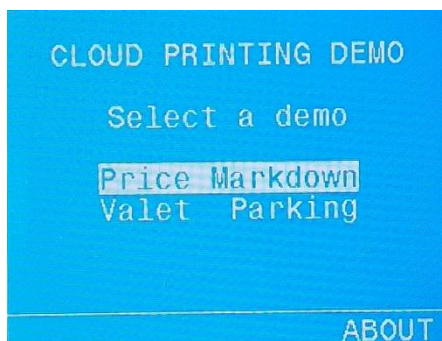


Demo Installation:

1. Configure the printer to connect to a network that has internet connectivity. It may be necessary to configure authentication in the printer. If so, refer to the **weblink.ip.conn[1|2].authentication.add** SGD command. If you assign the printer a static IP address you will need to manually configure the DNS server information in the printer or the printer will not resolve the configured weblink url. [This article](#) describes how to configure the DNS server information in the printer.
2. Download the **Printer Configuration File** from the link on page 1. Send the file to the printer. The printer should reboot.
3. If the printer is successfully connected to the local network, the printer will attempt to connect to the application.



4. After the printer has successfully connected to the application, the main menu will be displayed and the printer should appear listed on this [webpage](#).



5. See the following pages for instructions on how to use the demo.

How to remove your printer from the demo:

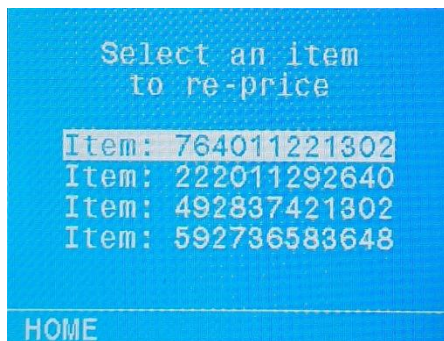
1. Download the **Printer Configuration Removal File** from the link on page 1.
2. Send the file to the printer. The printer should reboot and power up with the default menu.

To print a markdown label:

Using the front panel of the printer:

The sample item numbers can be used if a Bluetooth scanner is not available.

1. Select the 'Price Markdown' option from the main menu and press OK.
2. Select an item number and press OK.



3. A label will print and the selected item number will be displayed on the printer's front panel. After 3 seconds the main menu will be displayed.
4. To return to the main menu, select the 'HOME' option.

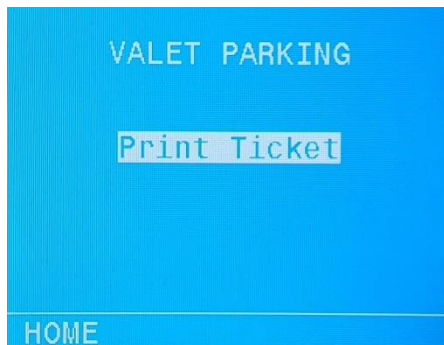
Using a Bluetooth scanner:

1. Scan any UPC (12 digit) or EAN (13 digit) barcode on any product.
Note: you do not have to select a menu option.
2. A label will be printed.

Valet Parking demo:

Using the front panel of the printer:

1. Select the 'Valet Parking' option from the main menu and press OK.
2. Select the 'Print Ticket' option and press OK.



3. A ticket should print containing a random 3 digit number and a QR code on it. The customer would typically receive this type of receipt after dropping off the vehicle.
4. Assume the customer now wants to pick up the car. The customer could call by phone and request the vehicle pickup (call in method) or request the pickup themselves by visiting a webpage on their smart device. (self-service method)
 - a. **Call in method:** go to this page <http://weblink.westeurope.cloudapp.azure.com/ZebraDemo/>
 - i. This page simulates an operator console where the customer may call in by phone. Using the ticket number, the operator can send a request to prepare the car for pickup.



Link-OS Cloud Printing Demo

Press F5 to refresh the table.

5 printer(s) online	Location	Printer ID	Valet Pickup Request
ZTC ZT410-203dpi ZPL		18J150200475	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>
ZTC QLn320-203dpi ZPL	Hotel #101	XXQLJ131900075	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>
ZTC ZT410-300dpi ZPL		18J153601147	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>
ZTC QLn320-203dpi CPCL		BA_QLN320_2	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>
ZTC ZD500R-203dpi ZPL	Hotel #101	ZD500RRRRRRR	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>

© ZIH Corp. All Rights Reserved. Version 1.6

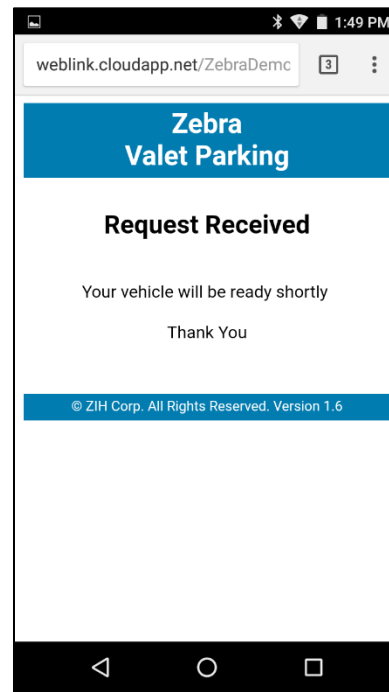
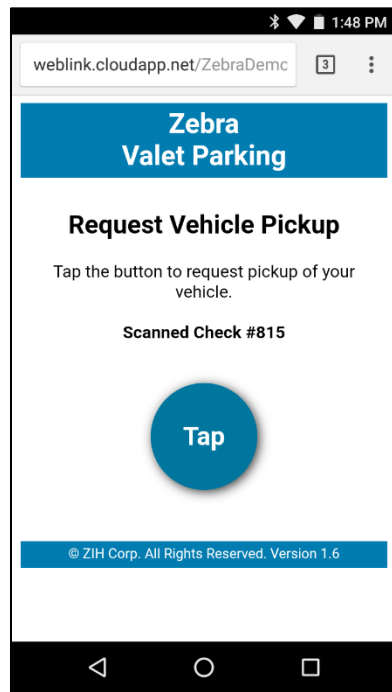
- ii. Type in the 3 digit number from the printed ticket on the webpage in the 'Enter Claim Check Number' text box next to your printer. Click the 'Send Request' button.
 - iii. Go to step c below.
- b. **Self-service method:** use an app on your smart device to scan the QR code on the printed ticket. See [Appendix A](#) on how a TC55 and the DataWedge app can be used with this demo.

Recommended QR coder reader apps for smart devices:

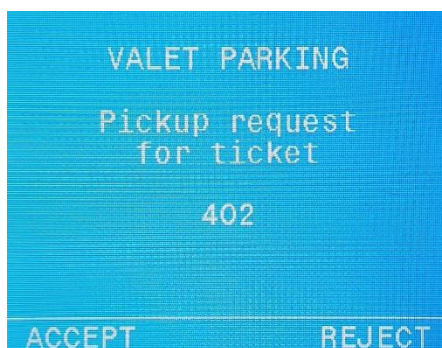
[QR Droid for Android](#)

[QR Reader for iOS](#)

- i. Open the encoded url. This will take you to a webpage as shown in the image below.
- ii. Tap the button. You will be taken to a confirmation webpage.
- iii. Go to step c below.



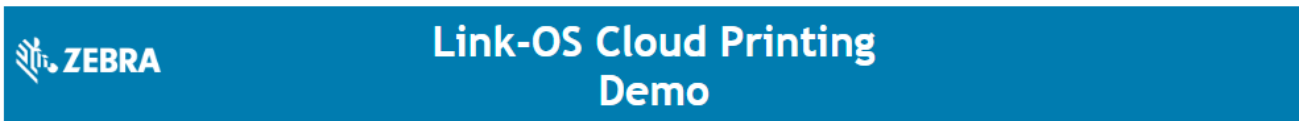
- c. The printer should make an audible tone and display a pickup request message on the display containing your 3 digit number. Select Accept or Reject on the printer display and press OK.
- d. Pressing REJECT will return to the 'Valet Parking' menu.
- e. Pressing ACCEPT will cause a further transaction with the server application and a message will be displayed on the printer's front panel. After 3 seconds the 'Valet Parking' menu will be displayed.



- f. To return to the main menu, select the 'HOME' option from the 'Valet Parking' menu and press OK.

Using a Bluetooth scanner:

1. Scan any 4 character barcode in the format Vnnn, where nnn is a 3 digit number.
2. A ticket should print with your scanned 3 digit number on it. The customer would typically receive this type of receipt after dropping off the vehicle.
3. Assume the customer now wants to pick up the car. The customer could call by phone and request the vehicle pickup (call in method) or request the pickup themselves by visiting a webpage on their smart device. (self-service method)
 - a. **Call in method:** go to this page <http://weblink.westeurope.cloudapp.azure.com/ZebraDemo/>
 - i. This page simulates an operator console where the customer may call in by phone. Using the ticket number, the operator can send a request to prepare the car for pickup.



Press F5 to refresh the table.

5 printer(s) online	Location	Printer ID	Valet Pickup Request
ZTC ZT410-203dpi ZPL		18J150200475	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>
ZTC QLn320-203dpi ZPL	Hotel #101	XXQLJ131900075	Enter Claim Check Number: <input type="text" value="815"/> <input type="button" value="Send Request"/>
ZTC ZT410-300dpi ZPL		18J153601147	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>
ZTC QLn320-203dpi CPCL		BA_QLN320_2	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>
ZTC ZD500R-203dpi ZPL	Hotel #101	ZD500RRRRRRR	Enter Claim Check Number: <input type="text"/> <input type="button" value="Send Request"/>

© ZIH Corp. All Rights Reserved. Version 1.6

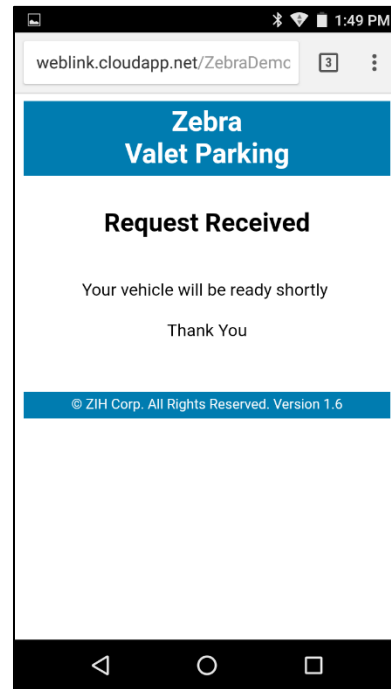
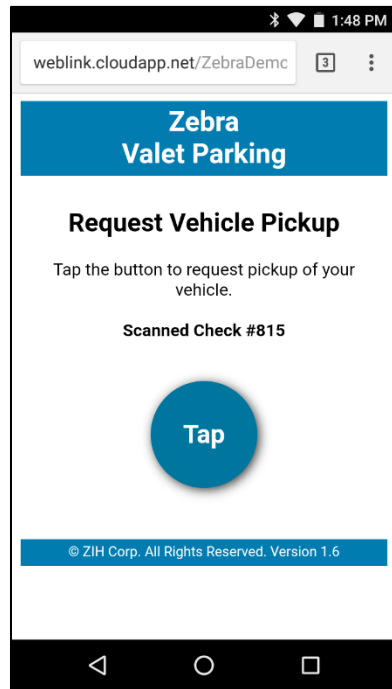
- ii. Type in the 3 digit number from the printed ticket on the webpage in the 'Enter Claim Check Number' text box next to your printer. Click the 'Send Request' button.
 - iii. Go to step c below.
- b. **Self-service method:** use an app on your smart device to scan the QR code on the printed ticket. See [Appendix A](#) on how a TC55 and the DataWedge app can be used with this demo.

Recommended QR coder reader apps for smart devices:

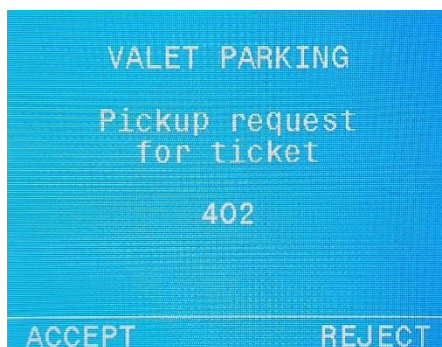
[QR Droid for Android](#)

[QR Reader for iOS](#)

- iv. Open the encoded url. This will take you to a webpage as shown in the image below.
- v. Tap the button. You will be taken to a confirmation webpage.
- vi. Go to step c below.



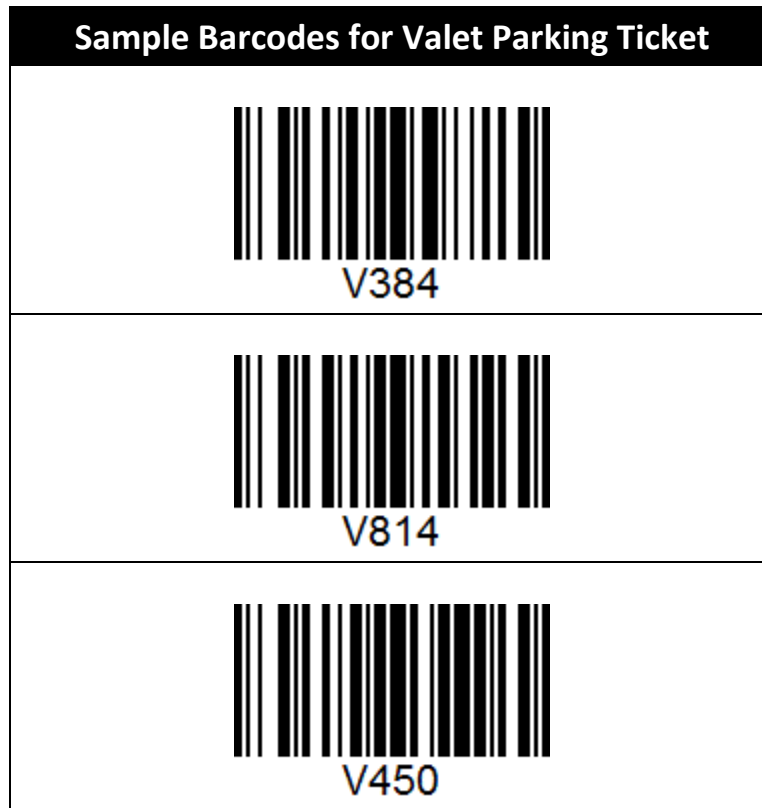
- c. The printer should make an audible tone and display a pickup request message on the display containing your 3 digit number. Select Accept or Reject on the printer display and press OK.
- d. Pressing REJECT will return to the 'Valet Parking' menu.
- e. Pressing ACCEPT will cause a further transaction with the server application and a message will be displayed on the printer's front panel. After 3 seconds the 'Valet Parking' menu will be displayed.



- f. To return to the main menu, select the 'HOME' option from the 'Valet Parking' menu.

Sample Barcodes for Markdown Label

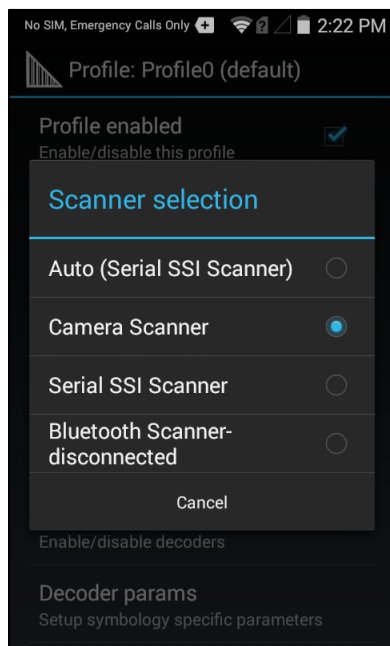




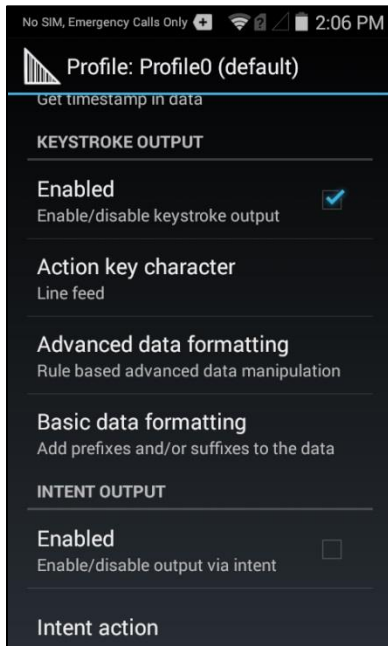
APPENDIX A

How to configure a TC55 to scan the Valet Parking Demo QR code.

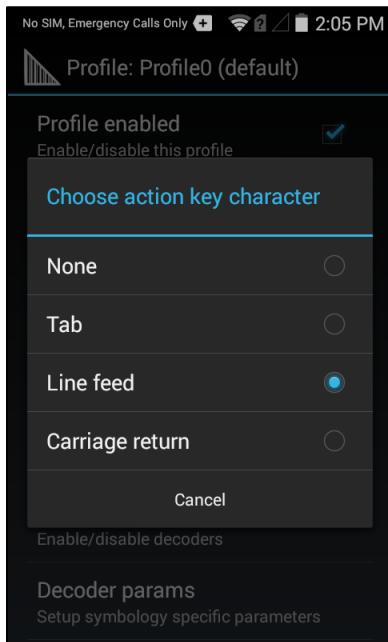
1. Open the DataWedge app.
2. Tap 'Profile0 (default)'
3. Ensure the 'Profile enabled' field is checked.
4. Tap the 'Scanner selection' field.
5. Select the 'Camera Scanner' option.



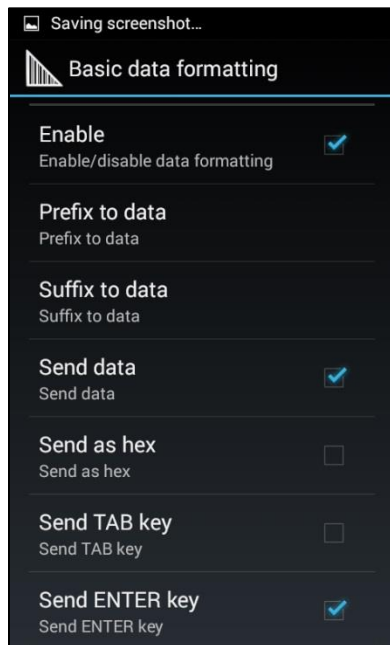
6. Scroll down to the KEYSTROKE OUTPUT section.



7. Tap the 'Action key character' field.
8. Select the 'Line feed' option.



9. Tap the 'Basic data formatting' field.
10. Enable the 'Send ENTER key' option by checking the box.



11. Repeatedly tap the back button until you exit the DataWedge app.
12. Open the web browser.
13. Tap the address bar to place the cursor in it.



14. Press the scan button and scan the QR code (the camera scanner should open).

15. Assuming the TC55 has internet connectivity, you should be directed to a web page automatically.

