Zebra Technologies - Configuring Printer Connectivity for Wired or Wireless Networks with the Zebra Setup Utility

Description

Configuring Printer Connectivity for Wired or Wireless Networks

Applies To

**Zebra Printers with the Wired or Wireless network option

Zebra Setup Utility Read More>>

****Note:** except when using ZebraNet external 10/100 Print Server on ZT200, ZT400, or other Link OS compatible printers

P4T Mobile printers may require use of ZebraNet Bridge due to legacy ZPL command requirements

Overview

The Zebra Setup Utility has a network setup wizard that can be used to configure your printer for a wired or wireless network. This requires the printer have the appropriate print server option.

Note: except when using ZebraNet external 10/100 Print Server on ZT200, ZT400, or other Link OS compatible printers

Procedure

To access the network setup wizard Open the Zebra Setup Utility and select **Configure Printer Connectivity**.

Configure the selected printer	
Configure Printer Settings	Source Points and Graphics
Configure Print Quality	Qpen Printer Tools
Configure Printer Connectivity	Copen Communication With Printer

Then choose Wired or Wireless. For this example we will choose Wireless:



Click next and provide your network settings detail:

IP address Select how	you want the Print Server	r to obtain an IP address.
	· DHCP	
	C Static	
(<u>)</u>	Client ID Settings	
2	Enabled:	Off 🗾
	<u>I</u> ype:	MAC ADDRESS
	Prefix:	
	Syffix:	Г

For Client ID Settings the choices are Mac Address, User-Defined ASCII, & User-Defined HEX. Only use these settings if you are using a Client ID for DHCP.

You can now enter your ESSID and choose the appropriate network security for your WLAN.

Supported wireless securities. Read More>>

In the below example I chose WPA-PSK. The configuration option that will be available will depend on which security you choose.

		Statement of the local division of the local	
reless set	ttings.		
Denne wire	sess settings.		
Please er configure	nter your wireless settings ad on the following page.	below. Settings for selected se	curity mode will be
_	ESSID:	125	
D	Security mode:	WPA-PSK/WPA2-P5K	
EE	Security username:		
	Security gassword:		
Al securi	ty options may not be avai	lable in your printer. Please ref	er to the Wireless Print
Server at	nd Wireless Plus Print Serve	er User Guide for supported sec	cunty protocols.
Help	Cance	el < Back Ne	ext > Finish
ectivity S	ietup Wizard		
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When you see the printer code (ZPL) you can now select Finish:

al stream			1	
These settings will be sent	to the printer or a	aved to a file.		
~XA ~WIA ^NC2 ^NPP ^KC0,0,, ^WAD,D ^WEOFF,1,0,H,,,, ~WP0,0 ^WR,,,,100 ^WS125,I,L,,,7FF AUST				
^NBS ^WLOFF,, ^WKOFF,,,,				
~WLOFF,,, ~WKOFF,,,,,				1.

The network settings are then sent to directly to the printer. You will need to power cycle the printer for them to take effect.

Note: You can also highlight and copy the ZPL settings from the screen above and save in a text file for use later.

Using the Zebra Setup Utility to configure Bluetooth connectivity

Choose the applicable printer and click on the "Configure Printer Connectivity" button

🐉 Zebra Setup Utilities				
Printers				
The list below displays installed printers. To configure a printer, select it and choose one of the configuration options below.				
ZDesigner QL 420/QL 420 Plus ZDesigner	QL 420/QL 420 Plus			
(Copy 1) USB003 (Copy 2) USB007	📑 Uninstall Printer			
ZDesigner QLn220 ZDesigner USB005 ZDesigner	QLn220 (Copy 1)			
ZDesigner QLN320 USB002 ZDesigner USB006	RW 420			
Printer Configuration Configure the selected printer				
Configure Printer Settings	R Download Fonts and Graphics			
Configure Print Quality	Copen Printer Tools			
Configure Printer Connectivity	E Open Communication With Printer			
General Operations				
Perform the following application operations				
Help About	1 Options			

Choose Bluetooth and then click on Next

Printers Connectivity type Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity option you are setting up. Image: Select the type of connectivity	🚽 Zebra Setup Utilities	Connectivity Setup Wizard
Designer GX420d Designer ZX510 (CPCL) Designer ZT410-300dpi ZPL	Printers	Connectivity type Select the type of connectivity option you are setting up.
Printer Configuration Configure the selected printer Configure Prin Help Cancel < Back Next > Finish	ZDesigner GX420d USB003 CDesigner ZQ510 (CPCL) USB005 ZDesigner ZT410-300dpi ZPL 10.80.132.101	Wireless Bluetooth
Econfigure Prin Help Cancel < Back Next > Finish	Printer Configuration	
	Configure Prin	Help Cancel < Back Next > Finish

There are several configurable parameters on the next screen.

ſ	Connectivity Setup Wizard	X
e	Bluetooth settings Select the bluetooth settings to use.	
	Enabled: Friendly name: Discoverable: On Minimum Security Mode: 1	
c	Authentication <u>p</u> in: <u>B</u> onding: On <u>E</u> nable Reconnect iOS Only	
	Help Cancel < Back Next > Finish	

Friendly Name - This parameter sets the Friendly Name, which is part of the local name used during service discovery. The Friendly Name is s string of up to 20 characters long; it will default to the printer serial number if not set by user.

Changes to the Friendly Name parameter will not occur until power is cycled.

Discoverable - This parameter sets the Bluetooth discoverable mode.

Authentication - This parameter sets Bluetooth authentication mode and works in combination with the Bluetooth PIN parameter. When authentication is set to "On" as shown above a PIN is required to connect to the printer.

Pin - This parameter is used to connect to the printer only when the Bluetooth authentication parameter is set to "On". This parameter is not used when the Bluetooth Authentication is set to off.

Bonding – Set "On" will allow printer to save the previous connection information

Enable Reconnect – Set connecting devices as listed

Click on next

ZQ510 On •	
1	
On V IOS Only V	
< Back Next > Finish	_
	 ✓ ✓

The commands that have been generated by the utility will be shown on the next page. Click on Next

ľ	Connectivity Setup Wizard	x
-	Final stream. These settings will be sent to the printer or saved to a file.	
	U1 setvar "bluetooth.enable" "on" ! U1 setvar "bluetooth.friendly_name" "ZQ510" ! U1 setvar "bluetooth.discoverable" "on" ! U1 setvar "bluetooth.minimum_security_mode" "1" ! U1 setvar "bluetooth.bonding" "on" ! U1 setvar "bluetooth.enable_reconnect" "iOS_only" ! U1 do "device.reset" ""	
	Help Cancel < Back Next >	

One now has an option to send the commands directly to the printer or to save the commands in a file.

Connectivity Se	etup Wizard 🔀 🔀
Send data. Send conn	ectivity configuration commands to printer or save it to a file.
	Printer File File File C C C C C C C C C C C C C C C C C C C
Help	Cancel < Back Next > Finish

Choose finish

Windows 7 example - To Add the printer: go to Device and Printers – Add a Device:

	Add a device	X
	Select a device to add to this computer Windows will continue to look for new devices and display them here.	
	ZQ510 Bluetooth Printer	
170	40J133000091 Bluetooth Printer	=
D	18J133900221 Bluetooth Printer	
1	18J141401397 Bluetooth	Ŧ
	What if Windows doesn't find my device?	Cancel

The following window displays that should match by the printer you are connecting to.



In this order

- 1. Confirm the code on the printer select the check button.
- 2. Then confirm the code on the PC



Connection should occur.