Zebra Setup Utilities Release Notes

Version 1.1.9.1283

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Welcome

This Setup Utility makes it easy to configure Zebra printers. Six wizards are available:

1. Configure Printer Settings.
2. Configure Print Quality.
3. Configure Printer Connectivity.
4. Download Fonts and Graphics.
5. Printer Tools.
6. Open Communication with Printer.

All wizards use installed ZebraDesigner drivers to interact with printers.

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System Requirements

This software is supported on 32-bit and 64-bit Windows Windows 7, Windows 8 and Windows 8.1, Windows 10, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016 and Windows Server 2019 operating systems.
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Supported Printers

The following Zebra printers are supported in this release:

105SL 203DPI
105SL 300DPI
105SLPlus-203dpi ZPL
105SLPlus-300dpi ZPL

105SLPlus 300dpi ZPL
110PAX4 203DPI
110PAX4 300DPI
110Xi4 203 dpi
110Xi4 300 dpi
110Xi4 600 dpi
110XiIII Plus 200DPI
110XiIII Plus 300DPI
110XiIII Plus 600DPI
140Xi4 203 dpi
140XiIII Plus
170PAX4 203DPI
170PAX4 300DPI
170Xi4 203 dpi
170Xi4 300 dpi
170XiIII Plus
170XiIII Plus 200DPI
220Xi4 203 dpi
220Xi4 300 dpi
220XiIII Plus
220XiIII Plus 300DPI
888-DT
888-TT
EZ 320
GC420d
GC420d (EPL)
GC420t
GC420t (EPL)
GK420d
GK420d (EPL)
GK420E (EPL)
GK420E (ZPL)
GK420t
GK420t (EPL)
GK420t Plus (EPL)
GK420t Plus (ZPL)
GK888d
GK888d (EPL)
GK888E (EPL)
GK888E (ZPL)
GK888t
GK888t (EPL)
GT800 (EPL)
GT800 (ZPL)
GT800 Plus (EPL)
GT800 Plus (ZPL)
GT800-300dpi EPL
GT800-300dpi ZPL
GX420d
GX420d (EPL)
GX420s
GX420s (EPL)
GX420t
GX420t (EPL)
GX430t
GX430t (EPL)

HC100 300 dpi
iMZ220
iMZ220 (ZPL)
iMZ320
iMZ320 (ZPL)
KR403
LP 2824
LP 2824 Plus (EPL)
LP 2824 Plus (ZPL)
LP 2844
LP 2844-Z
Mobile Printer
MZ 220
MZ 320
P4T (CPCL)
P4T (ZPL)
QL 220/QL 220 Plus
QL 320/QL 320 Plus
QL 420/QL 420 Plus
QLn220
QLn220 (ZPL)
QLn320
QLn320 (ZPL)
QLn420 (CPCL)
QLn420 (ZPL)
R110PAX4 LH-203DPI
R110PAX4 LH-300DPI
R110PAX4 RH-203DPI
R110PAX4 RH-300DPI
R110Xi 200DPI
R110Xi 300DPI
R110Xi HF 200DPI
R110Xi HF 300DPI
R110Xi4 203 dpi
R110Xi4 300 dpi
R110Xi4 600 dpi
R170Xi 200DPI
R170Xi 300DPI
R2844-Z
RP4T (ZPL)
RW 220
RW 420
RW4-PS
RZ400 200 dpi
RZ400 300 dpi
RZ600 200 dpi
RZ600 300 dpi
S4M-203dpi EPL
S4M-203dpi ZPL
S4M-300dpi ZPL
TLP 2824
TLP 2824 Plus (EPL)
TLP 2824 Plus (ZPL)
TLP 2844
TLP 2844-Z

TLP 3842

TLP 3844-Z

ZD220-203dpi EPL

ZD220-203dpi ZPL

ZD230-203dpi EPL

ZD230-203dpi ZPL

ZD410-203dpi EPL

ZD410-203dpi ZPL

ZD410-300dpi EPL

ZD410-300dpi ZPL

ZD420-203dpi EPL

ZD420-203dpi ZPL

ZD420-300dpi EPL

ZD420-300dpi ZPL

ZD500-203dpi EPL

ZD500-203dpi ZPL

ZD500-300dpi EPL

ZD500-300dpi ZPL

ZD500R-203dpi ZPL

ZD500R-300dpi ZPL

ZD510-300dpi ZPL

ZD511-300dpi ZPL

ZD620-203dpi EPL

ZD620-203dpi ZPL

ZD620-300dpi EPL

ZD620-300dpi ZPL

ZD888-203dpi EPL

ZD888-203dpi ZPL

ZE500-4 LH-203dpi ZPL

ZE500-4 LH-300dpi ZPL

ZE500-4 RH-203dpi ZPL

ZE500-4 RH-300dpi ZPL

ZE500-6 LH-203dpi ZPL

ZE500-6 LH-300dpi ZPL

ZE500-6 RH-203dpi ZPL

ZE500-6 RH-300dpi ZPL

ZE500R-4 LH-203dpi ZPL

ZE500R-4 LH-300dpi ZPL

ZE500R-4 RH-203dpi ZPL

ZE500R-4 RH-300dpi ZPL

ZM400 200 dpi (EPL)

ZM400 200 dpi (ZPL)

ZM400 300 dpi (ZPL)

ZM400 600 dpi (ZPL)

ZM600 200 dpi (EPL)

ZM600 200 dpi (ZPL)

ZM600 300 dpi (ZPL)

ZQ112 (CPCL)

ZQ120 (CPCL)

ZQ210 (CPCL)

ZQ220 (CPCL)

ZQ310 (CPCL)

ZQ310 (ZPL)

ZQ320 (CPCL)

ZQ320 (ZPL)

ZQ510 (CPCL)
ZQ510 (ZPL)
ZQ511 (CPCL)
ZQ511 (ZPL)
ZQ511R (ZPL)
ZQ520 (CPCL)
ZQ520 (ZPL)
ZQ521 (CPCL)
ZQ521 (ZPL)
ZQ521R (ZPL)
ZQ610 (CPCL)
ZQ610 (ZPL)
ZQ620 (CPCL)
ZQ620 (ZPL)
ZQ630 (CPCL)
ZQ630 (ZPL)
ZQ630R (ZPL)
ZR118 (CPCL)
ZR138 (CPCL)
ZR318 (CPCL)
ZR318 (ZPL)
ZR328 (CPCL)
ZR328 (ZPL)
ZR338 (CPCL)
ZR338 (ZPL)
ZR628 (CPCL)
ZR628 (ZPL)
ZR638 (CPCL)
ZR638 (ZPL)
ZR658 (CPCL)
ZR658 (ZPL)
ZR668 (CPCL)
ZR668 (ZPL)
ZT210-200dpi EPL
ZT210-200dpi ZPL
ZT210-300dpi ZPL
ZT220-200dpi EPL
ZT220-200dpi ZPL
ZT220-300dpi ZPL
ZT230-200dpi EPL
ZT230-200dpi ZPL
ZT230-300dpi ZPL
ZT410-203dpi EPL
ZT410-203dpi ZPL
ZT410-300dpi ZPL
ZT410-600dpi ZPL
ZT410R-203dpi ZPL
ZT410R-300dpi ZPL
ZT410R-600dpi ZPL
ZT411-203dpi EPL
ZT411-203dpi ZPL
ZT411-300dpi ZPL
ZT411-600dpi ZPL
ZT411R-203dpi ZPL
ZT411R-300dpi ZPL

ZT411R-600dpi ZPL
ZT420-203dpi ZPL
ZT420-300dpi ZPL
ZT420R-203dpi ZPL
ZT420R-300dpi ZPL
ZT421-203dpi ZPL
ZT421-300dpi ZPL
ZT421R-203dpi ZPL
ZT421R-300dpi ZPL
ZT510-203dpi ZPL
ZT510-300dpi ZPL
ZT610-203dpi ZPL
ZT610-300dpi ZPL
ZT610-600dpi ZPL
ZT610R-203dpi ZPL
ZT610R-300dpi ZPL
ZT610R-600dpi ZPL
ZT620-203dpi ZPL
ZT620-300dpi ZPL
ZT620R-203dpi ZPL
ZT620R-300dpi ZPL

Tips & Advice

1. Windows 7 and later operating systems have enhanced control over permissions. When installing in these operating systems, it is recommended that an Administrator account be used.

2. The Status Monitor regularly checks the printer for current status information. When the driver is being used over a network connection, this can have the effect of consuming connection ports that would otherwise be used for accepting print jobs at the printer. If the Status Monitor is in use and you are experiencing a delay in printing, try right clicking over the Status Monitor in the system tray (by the clock) and closing the Status Monitor.

3. Some printers contain a feature known as Draft Mode. If you are configuring a printer model with this feature, an option to turn on or off the feature is displayed on the Speed and Darkness dialog. When the feature is turned on, the printer shall ignore the current speed setting and print as fast as possible, while maintaining appropriate print quality. This feature would typically be turned on when print quality is unimportant such as receipt printing

Known Issues

1. When using a printer and Bluetooth communication with the Setup Utility or the Status Monitor, continuous disconnecting/connecting and prompting for credentials will occur if simple secure pairing is used.

2. The P4T and RP4T printers contain firmware supporting a subset of ZPL commands. As a result, when using the P4T or RP4T ZPL driver, some functionality in this application is not supported by the printer. In Printer Tools the "Feed one label" option may not work and can be substituted by sending: **! U1 do "test.feed" "now"**. The printer may not support ZPL commands produced by the Printer Connectivity Wizard. A solution is to install the P4T CPCL driver and generate the required commands in the Connectivity Wizard. The commands can then be sent to the printer using the original ZPL driver using the comm window or send file option.

Change Log

Release Date	Version	Changes
09 Feb 2011	1.1.2.790	• Added support for Mobile printers.
06 Jul 2011	1.1.2.838	• For mobile printers, commands for print speed, darkness and media type are now sent to the printer and/or saved to a file. • The direct communication window can now receive all data sent by the printer. A port polling time out option can be adjusted to control this. • For mobile printers, there is now a 'send and store' file option in the printer tools wizard. • The PEAP, EAP-FAST, EAP-TLS and EAP-TTLS wireless securities are now enabled correctly. • Corrected translations in various languages. • The darkness wizard now prints the entire batch of labels using the correct darkness settings. • The connectivity wizard button is now enabled when selecting the KR403 printer. • For EPL printers, the linerless media option command is now sent when selected in the printer settings wizard. • The Bluetooth friendly name is not sent to the printer if the Bluetooth enabled option is unchecked. • For QLn printers the correct commands are now sent to set static ip addresses. • For QLn printers commands are now generated for the wired network option.
15 Aug 2011	1.1.3.838	• The "Send and store file in printer memory" feature for Mobile printers has been corrected. • The GX420s is now supported. • Added Bluetooth Minimum Security Mode option in connectivity wizard for EZ and QLn mobile printers.
14 Sep 2011	1.1.4.838	• The "Send and Store" feature for Mobile printers has been corrected.
20 Jan 2012	1.1.8.986	• Added the ability to set communication timeout in the

		options dialog.
		• Added the ability to select Standard or Internal character delimiters in the options dialog.
		• Added the ability to set the printer DNS name in the connectivity wizard.
		• "Connecting to printer" status message is now cleared in the direct comm window once communication is established with the printer.
		• Username field is now enabled for EAP-TLS.
		• The output is now correct when using three certificate files.
		• Bluetooth friendly name is not changed if no name is entered.
		• A dash character can now be used in the Bluetooth friendly name.
		• Binary data can now be received and displayed in the direct comm window.
		• Sensor settings can be set in the Printer Settings Wizard for ZPL printers.
		• Corrected SGD command output for Wired interface settings.
		• Corrected some translations.
		• Time interval setting in Printer Settings Wizard is now enabled for mobile printers.
		• 802.11n radio settings are available for ZT and QLn printers.
		• Connectivity Wizard is now enabled for Tabletop printers with EPL firmware.
		• The following printer models are now supported:-
		  ○ GC420d
		  ○ GC420d (EPL)
		  ○ GC420t
		  ○ GC420t (EPL)
		  ○ QLn220 (ZPL)
		  ○ QLn320 (ZPL)
		  ○ ZE500-4 LH-203dpi ZPL
		  ○ ZE500-4 LH-300dpi ZPL
		  ○ ZE500-4 RH-203dpi ZPL
		  ○ ZE500-4 RH-300dpi ZPL
		  ○ ZE500-6 LH-203dpi ZPL
		  ○ ZE500-6 LH-300dpi ZPL
		  ○ ZE500-6 RH-203dpi ZPL
		  ○ ZE500-6 RH-300dpi ZPL
		  ○ ZT210-200dpi ZPL
		  ○ ZT210-200dpi EPL
		  ○ ZT210-300dpi ZPL
		  ○ ZT220-200dpi ZPL
		  ○ ZT220-200dpi EPL
		  ○ ZT220-300dpi ZPL
		  ○ ZT230-200dpi ZPL
		  ○ ZT230-200dpi EPL
		  ○ ZT230-300dpi ZPL

14 Mar 2012	1.1.9.1042	• Corrected an issue with the "Open Communication with Printer" window minimizing in Vista and Windows 7.

		Printer" window minimizing in Vista and Windows 7. • Corrected some translations. • Implemented the ability to configure 802.11n settings on applicable printers. • Updated the sensor settings dialog in the Configure Printer Settings wizard.

02 Oct 2012	1.1.9.1048	• Executable files are now signed with Zebra Technologies digital signature.
		• Added the following printer models:-
		   ○ 105SLPlus
		   ○ QLn420
		   ○ iMZ220
		   ○ iMZ320

16 Oct 2012	1.1.9.1059	• Updates to be Windows 8 compatible.
		• Added the following printer models:-
		   ○ iMZ220 ZPL
		   ○ iMZ320 ZPL

02 Feb 2013	1.1.9.1060	• Added Bluetooth Minimum Security Mode option in connectivity wizard for iMZ mobile printers. • Enabled 802.11n settings for iMZ printers.

31 Jul 2013	1.1.9.1114	• Corrected some Russian translations.
		• Added the Mark Gain option to the sensor settings dialog in the Printer Settings Wizard.
		• Removed the ability to enter ASCII strings for configuring WEP keys on mobile printers since they only support HEX.
		• Corrected an issue where wireless security certificates were not being stored in ZPL printers.
		• Added an International Mode option on the Wireless Advanced Settings dialog for applicable printers.
		• Added a Validate Server Certificate option for applicable printers when using PEAP security option.
		• In the Advanced Wireless dialog "Preamble" option has been removed and a "Power Save" option has been added for applicable printers.
		• Updated the Bluetooth settings dialog to add "Bonding", "Enable Reconnect" and "Pairing Method" options for applicable printers.
		• Added "Clear Bluetooth bonding cache" option to the Action tab of Printer Tools for applicable printers.
		• Added the following printer models :-
		   ○ ZD500R-203dpi ZPL
		   ○ ZD500R-300dpi ZPL

02 Oct 2013	1.1.9.1121	• The command for the Bluetooth pairing method 'Numeric Comparison - Do not Print Number' has been corrected. • Added the following printer models :- ○ ZE500R Series

		○ ZE500R Series

07 Feb 2014	1.1.9.1122	• The following printer models are now supported.
		   ○ ZD500
		   ○ ZT410
		   ○ ZT410R
		   ○ ZT420
		   ○ ZT420R
		• The following printers are no longer supported as they have past their Service & Support discontinuation date.
		   ○ 110 PAX3
		   ○ 170 PAX3
		   ○ 140 XiIII
		   ○ 170 XiIII
		   ○ 220 XiIII
		   ○ 2746e
		   ○ 90 XiIII
		   ○ 90 XiIII Plus
		   ○ 96 XiIII
		   ○ 96 XiIII Plus
		   ○ DA402
		   ○ LP2824-Z
		   ○ R110 XiIII Plus
		   ○ R402
		   ○ R4Mplus
		   ○ S400
		   ○ S600
		   ○ TA402
		   ○ TLP2824-Z
		   ○ Z4M
		   ○ Z4Mplus
		   ○ Z6M
		   ○ Z6Mplus

25 Sep 2014	1.1.9.1137	• A 'Use Printer Setting' selection has been added to the Media Feed option for ZPL printers in the Configure Printer Settings wizard. This is now the default selection in the wizard. • The ability to set Draft Mode on the ZQ510/520 printers has been added. • The ability to configure WLAN power save mode has been added for tabletop and desktop printers. • Corrected an issue where some wireless certificate files did not store in the printer. • Corrected an issue where the wrong dialogs were displayed for some printers. This affected the ability to configure Bluetooth and/or Wireless. • Bluetooth configuration for ZT410/420 printers is now enabled. • Bluetooth 'Enable Reconnect' option is now available for QLn420. • Microsoft has ended support for Windows XP

		(http://windows.microsoft.com/en-us/windows/end-support-help). This product release aligns to that decision, with support for Windows XP having been removed. The prior version, 1.1.9.1122, does support Windows XP and shall remain available on our website for download for an extended period of time. Version 1.1.9.1122 is available 'as is'.
		• There is nothing implemented to prevent this version from running on Windows XP. However, this and future versions are not tested on Windows XP.
		• The following printer models are now supported.
		  ○ ZQ510
		  ○ ZQ520
		  ○ GT800 (300dpi)

08 May 2015	1.1.9.1149	• Updated to support the new functionality in the driver installation wizard.
		• The following printer models are now supported.
		  ○ ZD410
		  ○ ZD420
		  ○ ZR338
		  ○ ZR628
		  ○ ZR638
		  ○ ZT410R 600dpi

09 Sep 2015	1.1.9.1155	• This release is supported on Windows 10 and includes the Windows 10 certified driver. • Graphics have been updated for new branding. • A printer reset command is now sent at the end of wireless network configurations for ZPL printers. • Microsoft has ended support for Windows Server 2003. This product release aligns to that decision with support for Windows Server 2003 having been removed. The prior version, 1.1.9.1122, does support Windows Server 2003 and shall remain available on our website for download for an extended period of time. Version 1.1.9.1122 is available 'as is'. • There is nothing implemented to prevent this version from running on Windows Server 2003. However, this and future versions are not tested on Windows Server 2003.
30 Sep 2015	1.1.9.1158	• This version includes the updated 5.1.07.5682 driver which corrects the digital signatures in the Font & Graphic Downloader and Status Monitor installers.
16 Nov 2015	1.1.9.1187	• Added the ability to configure Bluetooth Low Energy settings for printers that support Bluetooth Low Energy. • Corrected an issue where the Finish button on the wizards sometimes could not be seen when using a display at high resolution.

04 Apr 2016	1.1.9.1192	• Corrected the command output for the transmissive sensor method option on ZT series printers in the Printer Settings Wizard. • Corrected an issue where using the back buttons and changing values in the wizards caused incorrect output. • Corrected the command output for the Client ID suffix in the Printer Connectivity Wizard wireless settings.

26 Sep 2016	1.1.9.1203	• Updated the EULA in the installer.
		• The following printer models are now supported:
		   ○ ZQ310
		   ○ ZQ320
		   ○ ZT510
		   ○ ZT610
		   ○ ZT610R
		   ○ ZT620
		   ○ ZT620R
		   ○ ZR318
		   ○ ZR328

27 Feb 2017	1.1.9.1208	• The following printer models are now supported: ○ ZD620

16 Oct 2017	1.1.9.1238	• Added Linerless Peel, Linerless Cut and Linerless Delayed Cut modes in the Configure Printer Settings Wizard to support ZD600 series.
		• The following printer models are now supported:
		   ○ GK420E
		   ○ GK888E

03 Nov 2017	1.1.9.1239	• GK420E/GK888E PnP strings changed to GK420e/GK888e in the Windows driver.

11 Jan 2018	1.1.9.1242	• The following printer models are now supported:
		   ○ GK420t Plus
		   ○ ZD510
		   ○ ZQ610
		   ○ ZQ620
		   ○ ZR658
		   ○ ZR668

23 Mar 2018	1.1.9.1245	• The following printer model is now supported: ○ GT800 Plus

06 Jul 2018	1.1.9.1251	• The following printer models are now supported:
		   ○ ZD511
		   ○ ZQ120
		   ○ ZQ220
		   ○ ZQ630

		○ ZQ630R ○ ZR138
22 Aug 2018	1.1.9.1260	- Corrected the following issues in the driver: ○ Corrected an issue where the wrong version number was displayed in the about dialog. ○ Corrected an issue in the ZT620 driver that prevented memory card options displaying in the Font & Graphic downloader. ○ Added the zebra.com url in the ZD620 about dialog. ○ Updated some configuration files for consistency.
25 Sep 2018	1.1.9.1269	- The following printer models are now supported: ○ ZD220 ○ ZD230 ○ ZD888
13 Feb 2019	1.1.9.1272	- Microsoft has ended support for Windows Vista (https://support.microsoft.com/en-gb/help/22882/windows-vista-end-of-support). This release aligns to that decision, with support for Windows Vista having been removed. - The following printer models are now supported: ○ ZT411 ○ ZT411R ○ ZT421 ○ ZT421R
12 Aug 2019	1.1.9.1281	- This release supports using a version 8 driver. - This release is supported on Windows Server 2019. - The following printer models are now supported: ○ ZQ112 ○ ZQ210 ○ ZQ511 ○ ZQ511R ○ ZQ521 ○ ZQ521R ○ ZR118
09 Sep 2019	1.1.9.1283	This release has been updated to include the ZDesigner driver v5.1.16.7117 that includes certification for Windows Server 2019.

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Technical Support

Worldwide Technical Support is available through your Reseller, or at:
https://www.zebra.com/contact

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Software Updates

Zebra Setup Utilities is frequently updated and modified to take advantage of new developments. Updated versions will be available on our web site:
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