ZDesigner Windows Printer Driver Release Notes

Version 10.6.26.28275

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Welcome

Version 10.x of the ZDesigner Windows printer driver offers a new improved user interface in 20+ languages with new features to drive Zebra printers running Link-OS and the ZPL printer command language.

Our version 5.x driver is still available and will continue to support new and legacy Zebra printers using the EPL and CPCL command languages.

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Supported Operating Systems

This driver is certified for use on the following Microsoft 32-bit and 64-bit Windows operating systems running on machines with x86 / x64 or Arm processors.

- Windows 10 desktop editions

- Windows 11 desktop editions

- Windows Server 2019

- Windows Server 2022

- Windows Server 2025

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Installation

It's recommended you use the Printer Installation Wizard included in the distribution to install the printer driver.
NOTE: your user account must have the necessary permissions to install a driver otherwise contact your system administrator for further assistance.

Installation using the Printer Installation Wizard:

1. If necessary, extract the driver files noting the location of the files.

2. Run the PrnInst.exe application (Printer Installation Wizard).

3. Click the Install Printer Driver option and follow the prompts in the wizard.

Supported Printers

The following Zebra printers are supported in this version:

iMZ220 (ZPL)
iMZ320 (ZPL)
QLn220 (ZPL)
QLn320 (ZPL)
QLn420 (ZPL)
ZD100-203dpi ZPL
ZD120 203DPI
ZD220-203dpi ZPL
ZD230-203dpi ZPL
ZD230-300dpi ZPL
ZD410-203dpi ZPL
ZD410-300dpi ZPL
ZD411-203dpi ZPL
ZD411-300dpi ZPL
ZD420-203dpi ZPL
ZD420-300dpi ZPL
ZD421-203dpi ZPL
ZD421-300dpi ZPL
ZD421CN-300dpi ZPL
ZD500-203dpi ZPL
ZD500-300dpi ZPL
ZD500R-203dpi ZPL
ZD500R-300dpi ZPL
ZD510-300dpi ZPL
ZD511-300dpi ZPL
ZD611-203dpi ZPL
ZD611-300dpi ZPL

ZD611R-203dpi ZPL

ZD611R-300dpi ZPL

ZD620-203dpi ZPL

ZD620-300dpi ZPL

ZD621-203dpi ZPL

ZD621-300dpi ZPL

ZD621R-203dpi ZPL

ZD621R-300dpi ZPL

ZD888-203dpi ZPL

ZD888-300dpi ZPL

ZE511 LH-203dpi ZPL

ZE511 LH-300dpi ZPL

ZE511 LH-600dpi ZPL

ZE511 RH-203dpi ZPL

ZE511 RH-300dpi ZPL

ZE511 RH-600dpi ZPL

ZE511R LH-203dpi ZPL

ZE511R LH-300dpi ZPL

ZE511R LH-600dpi ZPL

ZE511R RH-203dpi ZPL

ZE511R RH-300dpi ZPL

ZE511R RH-600dpi ZPL

ZE521 LH-203dpi ZPL

ZE521 LH-300dpi ZPL

ZE521 RH-203dpi ZPL

ZE521 RH-300dpi ZPL

ZE521R LH-203dpi ZPL

ZE521R LH-300dpi ZPL

ZE521R RH-203dpi ZPL

ZE521R RH-300dpi ZPL

ZQ310 (ZPL)

ZQ310 Plus (ZPL)

ZQ320 (ZPL)

ZQ320 Plus (ZPL)

ZQ510 (ZPL)

ZQ511 (ZPL)

ZQ511R (ZPL)

ZQ520 (ZPL)

ZQ521 (ZPL)

ZQ521R (ZPL)

ZQ610 (ZPL)

ZQ610 Plus (ZPL)

ZQ620 (ZPL)

ZQ620 Plus (ZPL)

ZQ630 (ZPL)

ZQ630 Plus (ZPL)

ZQ630R (ZPL)

ZQ630R Plus (ZPL)
ZR318 (ZPL)
ZR328 (ZPL)
ZR328 Plus (ZPL)
ZR338 (ZPL)
ZR628 (ZPL)
ZR638 (ZPL)
ZR658 (ZPL)
ZR668 (ZPL)
ZR668 Plus (ZPL)
ZT111-203dpi ZPL
ZT111-300dpi ZPL
ZT210-200dpi ZPL
ZT210-300dpi ZPL
ZT211-203dpi ZPL
ZT211-300dpi ZPL
ZT220-200dpi ZPL
ZT220-300dpi ZPL
ZT230-200dpi ZPL
ZT230-300dpi ZPL
ZT231-203dpi ZPL
ZT231-300dpi ZPL
ZT231R-203dpi ZPL
ZT231R-300dpi ZPL
ZT410-203dpi ZPL
ZT410-300dpi ZPL
ZT410-600dpi ZPL
ZT410R-203dpi ZPL
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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. The passthrough feature may not work correctly when using one or more specific characters in the starting sequence. The characters - < and > are known to be problematic due to the way some Windows applications pass data to the driver. Other characters not listed may also not work. To resolve the issue, change the start sequence characters. E.g. STARTOFZPLSEQUENCE

2. Printers typically have different minimum label lengths for the different operation modes, e.g. tear-off, peel-off, cutter etc. The minimum label length/height that can be set in the driver applies to the operation mode having the shortest minimum label length. Refer to the technical specification of your printer model for the minimum label length of each operation mode.

Differences between ZDesigner v5.x and v10.x

1. The v10 driver supports Zebra printers running Link-OS and the ZPL printer command language. The v5 driver continues to support new and legacy Zebra printers using the EPL and CPCL command languages.

2. The number of copies option is no longer supported in v10 and instead is controlled in the application.

3. The unprintable area options are no longer supported in v10. Upgrading a v5 driver to v10 will result in the label image printing at the same position.

4. The 'use printer settings' option is no longer supported in v10. Instead, the v10 driver has improved functionality where the user has control of individual settings.

5. The 'Safe graphics printing' option is no longer supported in v10. This option affected the data stream when using the ZebraDesigner label design application. The printed label image is not affected.

6. The 'use printer tag type' RFID option is no longer supported in v10. In v5, it controlled the first parameter of the ^RS command which is no longer required for Link-OS printers.

7. The Font & Graphic downloader application is no longer distributed with the v10 driver. Instead, font download functionality is part of the printer driver UI.

8. The Command Font parsed text option (for prefix and suffix) has changed in v10. The following internal parameters are no longer supported:

    - {xExp} x expansion of font.

    - {yExp} y expansion of font.

    - {PageWidth} Width of the current page in dots.

    - {PageHeight} Height of the current page in dots.

    - {Orientation} Page orientation.

    - {Quantity} Quantity of pages to be printed.

    - {PageNum} Number of the current page.

9. The 'Use font height' option for barcode fonts is no longer supported in v10. In v10, users can define the height of the barcode and this height is used for the barcode font.

10. In v10, the Import and Export of printer driver settings has been moved to the Driver Settings tab and is no longer available in the document settings dialog.

11. The Status Monitor application is no longer distributed with the v10 driver but shall continue to be distributed with the v5 driver. It can be used with the v10 driver.

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Change Log

Release Date	Version	Changes
23 Oct 2025	10.6.26.28275	Enhanced the diagnostics feature in the Support section on the Driver Settings tab. This feature collects communication data, settings and logs from the printer and driver to help troubleshoot issues.
04 Aug 2025	10.6.22.28271	- Corrected a driver upgrade issue where some files were not copied depending on the upgrade method used. This caused symptoms such as a driver crash when accessing driver properties or not printing due to dll file mismatches. - Changed the maximum media length for the 203 and 300 dpi ZT231,

		ZT411 and ZT610 printer models to 3200 mm. This is the maximum supported length in Windows and may be different to the published maximum print length for the printer.
30 May 2025	10.6.20.28252	• Added support for Windows running on devices with Arm processors.
04 Apr 2025	10.6.14.28216	• Corrected an issue where the error *CM:CM:Param PI_RasterTypeX30.PP_ Supported not found* was displayed when opening printer preferences. This could occur when a ZDesigner version 8 driver exists on the system, and a newer ZDesigner version 10 driver is installed. • Corrected an issue where deleting a font from the Driver Settings tab did not delete the font due to using the wrong file extension. • Corrected an issue in the installation wizard where adding ZQ6x0 Plus network printers required selection of a printer model. • Corrected an RFID locking issue where the ^RLM,,,P command was missing from the data stream for permanently locking the EPC field.
27 Mar 2025	10.6.12.28213	• Corrected an issue where settings with a negative value were not exported correctly using the driver export function. • Corrected an issue so the driver prints correctly when used with Microsoft Universal Print. • Corrected an issue where simultaneous printing and status checking could cause the print spooler to stop working.

		- Added native support for GS1 QR barcode in preparation for a future ZebraDesigner release. Native support requires printers running Link-OS 6.6 or higher. - Added the following printer model: - ZD100-203dpi ZPL
25 Apr 2024	10.5.4.27619	- Added support for SimSun font that's pre-installed in ZD888. When using the ZD888 driver, the font will appear in the ZebraDesigner 3 printer font list for selection. - Added support for the Zebra Csong font kit. This can be enabled through driver properties. - Corrected an issue where ASCII characters lower than decimal 32 were not encoded in a QR code. - Corrected an issue in the installation wizard where Error 1224 may be displayed during driver installation. This occurred on Windows 11 after applying KB5035845.
28 Sep 2023	10.5.1.27605	- Cosmetic changes in the driver user interface. - Corrected an issue where it was necessary to click the buttons twice in the Settings and Maintenance sections of the Driver Settings tab for the commands to execute. - Corrected an issue where the cutter did not cut after every label when Linerless Cut mode was selected. - Corrected an issue where \ and ^ characters were not encoded in a Code 128 barcode. - Corrected an issue where the inverse option for individual text elements or the entire label did not work for RFID Read and Print fields.

		• Port Monitor names will be truncated to a valid length if a name longer than 255 characters is entered during installation.
		• Added a "Use all settings set on printer" button in the Maintenance section of the Driver Settings dialog. With one click you can now enable "Use settings set on printer" for all the controls in the driver user interface, instead of needing to click them individually.
		• Added a feature for variable length printing.
		○ Check the "Stop on last element" option on the driver Page Setup screen to use this feature.
		○ Media type must be set to continuous to enable the check box.
		○ Media height setting must be set to the longest length document that will be printed.
		○ Different applications may exhibit different behaviour and it may be necessary to set an "actual size" option in the printing application.
		• Added the following printer models:
		○ ZD230 300 dpi
		○ ZD888 300 dpi
24 Aug 2022	8.6.5.26125	• Corrected the minimum allowed width in the ZD410 driver.
		• Corrected an issue where UTF-8 characters were not generated correctly when exporting an XML template from ZebraDesigner for Developers.
		• Added support for controlling the RFID tag antenna offset in ZebraDesigner Professional 3.

		• Added the following printer models:
		   ◦ ZQ310 Plus
		   ◦ ZQ320 Plus
		   ◦ ZQ610 Plus
		   ◦ ZQ620 Plus
		   ◦ ZQ630 Plus
		   ◦ ZQ630R Plus
		   ◦ ZR328 Plus
		   ◦ ZR668 Plus

18 Mar 2022	8.6.4.23832	• The speed settings have been corrected for the ZD888 model.
		• The minimum label length/height has been corrected for the ZD420/421, ZD620/621 and ZT610/620 models.
		   ◦ **Note**: the minimum value applies to the operation mode with the shortest supported label length. Other operation modes may have a different minimum length.
		• Added the following printer models:
		   ◦ ZT111
		   ◦ ZT211
		   ◦ ZT231
		   ◦ ZT231R

24 Dec 2021	8.6.4.23827	• Microsoft have changed the requirements and driver certification process to align with operating systems they currently support. In line with that change, this driver shall no longer be tested on, or certified for Windows 7, Windows 8.1 or Windows Server 2012. • The driver certification now includes Windows 11 and Windows Server 2022.

		• 90 and 270 degree rotation options have been added to the ZD120 driver. • Corrected an issue where the installation wizard ran in English instead of Portuguese when the detected OS language/region was 1046, Portuguese (Brazil). • Corrected an issue where the black block did not print in the correct location when using the inverse field option in ZebraDesigner for Developers.
22 Jul 2021	8.6.2.22850	• Corrected an issue related to vertical positioning of QR codes. • Corrected an issue where the font kit displayed in the ZebraDesigner 3 font list did not match the font kit enabled in the driver.
29 Jun 2021	8.6.2.22655	• Corrected the minimum label height for the ZD420/421 and ZD620/621 printer models. • The RFID option has been removed from the list of operation modes as this option doesn't apply to the printer models in this driver. • Corrected the output commands for the Linerless Cut, Linerless Delay Cut and Delayed Cutter options. • Added a command line tool to allow scripting of importing and exporting driver settings. The tool is in the Tools folder. Details of its usage are in the driver help. • Corrected an issue where the RFID tag access password was only included in first label when printing multiple unique labels. • Corrected an issue where the RFID ^RU command was only included in

first label when printing multiple unique labels.

- Corrected an issue when using the *Generate print file with variables* option in ZebraDesigner for Developers where the variable was incorrectly formatted in the ^RF command.

- Corrected an issue when using a variable for the EPC data in ZebraDesigner for Developers where an incorrect value was generated in the ^RW command for the number of bytes to write parameter.

- Now when using the ZebraDesigner for Developers and Professional editions and the RFID PC value field is empty, no value is sent to the printer. Previously, a value of F800 was sent and could cause the printer to void instead of encoding the tag correctly depending on the tag used.

- Added support for the following Zebra Font Kits:
  - NOTOMRTC.TTF (Noto Sans Mono CJK TC)
  - NOTOMRJ.TTF (Noto Sans Mono CJK JP)
  - NOTOMRK.TTF (Noto Sans Mono CJK KR)
  - SGMTJ.TTF (MS Gothic J)
  - HANS.TTF (Source Han Sans SC)
  - SCPROR.TTF (Source Code Pro)

02/25/2021	8.2.1.18009	- Added the following printer model: - ZD421CN
06 Aug 2020	8.2.1.18006	- Corrected an issue where fixed and variable fields were not vertically

		aligned when using Zebra fonts kits with ZebraDesigner for Developers.
		
		• Corrected the list of speed values for the ZD220 and ZD230 printers.
		
		• Added an option in the ZD120 driver on the Page Setup tab to select 0 or 180 degrees rotation.
		
		• Added the following printer models:
		   ◦ ZE511
		   ◦ ZE511R
		   ◦ ZE521
		   ◦ ZE521R

24 Feb 2020	8.2.0.18003	• Added a button on the Driver Settings > Fonts tab to reload all fonts.
		
		• Store file to printer function now supports adding the CISDFCRC16 header.
		
		• Corrected an issue where some internal printer fonts didn't display correctly in Word 2016.
		
		• Improved driver installation using the network discovery process.
		
		• Continuous and non-continuous media types can now have different minimum height values.
		
		• Corrected an issue with the ^RFW command when using RFID and XML in ZebraDesigner for Developers.
		
		• Updated the Passthrough topic in the help documentation.
		
		• Enabled the options to specify cut n labels or after batch when using the Linerless Cut operation modes.
		
		• Added the following printer models:
		   ◦ ZD411
		   ◦ ZD421
		   ◦ ZD611
		   ◦ ZD611R
		   ◦ ZD621

		○ ZD621R

22 Sep 2019	8.1.0.17602	• Added support for the ZebraDesigner for Developers edition.
		
		• When exporting templates from ZebraDesigner 3 applications the ^FN commands now starts at 1 instead of 0 to ensure the associated prompts are displayed in various applications.
		
		• Added an option to specify the aspect ratio (square or rectangular) in the Barcode Settings section for the Datamatrix barcode font.
		
		• The Direct print (^GF) graphic option is now supported.
		
		• Corrected placement of RFID commands. They are now after all other label elements.
		
		• Corrected the ZD120 print width from 10.1 cm to 10.4 cm.
		
		• Added the following printer models:
		   ○ ZD220
		   ○ ZD230
		   ○ ZD888

22 Jun 2019	8.0.0.16033	• Initial release of the version 8 driver platform.

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Technical Support

Worldwide Technical Support is available through your Reseller or at:
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ZDesigner printer drivers are frequently updated and modified to take advantage of new developments. Updated drivers will be available on our website: https://www.zebra.com/support

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