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Zebra iMZ220 Designer Windows Printer Driver

Zebra iMZ220 Designer Windows Printer Driver Instruction Manual

Contents

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Specifications

- **Version:** 10.5.4.27619
- **Languages:** 20+
- **Supported Operating Systems:**
    - **Windows** 10 desktop editions
    - **Windows** 11 desktop editions
    - **Windows** Server 2016
    - **Windows** Server 2019
    - **Windows** Server 2022

Installation

It's recommended to use the Printer Installation Wizard included in the distribution to install the printer driver.

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)

Tips & Advice

1. The passthrough feature may not work correctly with specific characters in the starting sequence. Avoid using – < and > characters.
2. Refer to the technical specifications of your printer model for minimum label length for each operation mode.

Differences between ZDesigner v5.x and v10.x

The v10 driver supports Zebra printers running Link-OS and the ZPL printer command language, while the v5 driver supports EPL and CPCL command languages.

FAQ

Q: How can I change the start sequence characters for the passthrough feature?

A: To resolve issues with the passthrough feature, change the start sequence characters to avoid – < and >.

Q: Where can I find the technical specifications for my printer model?

A: You can find the technical specifications for your printer model in the user manual or on the manufacturer's website.

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.

Supported Operating Systems

- This driver is supported on the following Microsoft 32-bit and 64-bit operatingsystems
- Windows 10 desktop editions
- Windows 11 desktop editions
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022
- Windows is a registered trademark of Microsoft Corporation.

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)
- **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
- **ZT410R-300dpi** ZPL
- **ZT410R-600dpi** ZPL
- **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. 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 labellength/height that can be set in the driver applies to the operation modehaving 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 prefixes and suffixes) 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.

Change Log

Release Date	Version	Changes
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 bar code. 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 the last element" option on the driver Page Setup screen to use this feature. The 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 behavior 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

Date	Version	Description
24 Dec 2021	8.6.4.23827	Microsoft has changed the requirements and driver certification process to align with the 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 the 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's help.
		Corrected an issue where the RFID tag access password was only included in the first label when printing multiple unique labels.
		Corrected an issue where the RFID
		^RU command was only included in the 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 the 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 font 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-degree 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. The 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 start 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	The initial release of the version 8 driver platform.

Technical Support

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

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Software Updates

- 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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Documents / Resources

	Zebra iMZ220 Designer Windows Printer Driver [pdf] Instruction Manual iMZ220 Designer Windows Printer Driver, iMZ220, Designer Windows Printer Driver, Windows Printer Driver, Printer Driver, Driver

References

- **User Manual**