



RW4-PS Firmware Release Notes

This document summarizes the following firmware releases:

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Hardware Requirements:

This firmware requires the following Zebra Mobile Printer (where "X" means the value is not important):

RW4-PS (R4P-7XXXXXXXXXX-XX) [MC70/75 Print Station]

RW4-PS (R4P-6XXXXXXXXXX-XX) [MC55/65 Print Station]

Note that firmware versions prior to 11z55 are not supported on the MC55/65 Print Station (R4P-6XXXXXXXXXX-XX).

Firmware Releases:

11z56

Release Date: May 25, 2012

Enhancements

- SGD: Add support for the “power.inactivity_dtr_override” parameter (see below for details)

Issues Corrected

- WML: corrected font access issue when using external FNT fonts
- SGD: default value for “power.inactivity_timeout” changed to 7200 sec (2 hours) for all versions of the MC55/65 print station (MC70/75 default remains 120 sec for cable only SKU, and 1200 sec for the Bluetooth SKU)

Power.inactivity_dtr_override Set-Get-Do (SGD) parameter:

This parameter is intended to address an issue when using the MC65 terminal in the MC55/65 version of the RW4-PS. The MC65 leaves the DTR signal on the serial port active, even when the terminal goes into “suspend” mode. The printer thinks the terminal is active, and hence the normal inactivity timeout will not occur. When enabled this new parameter overrides that behavior, and allows the printer inactivity timeout to occur regardless of the state of the DTR signal. Note the inactivity timeout is used to prevent unnecessary discharge of the battery when the unit is not being used.

Examples:

```
! U1 setvar “power.inactivity_dtr_override” “on”  
! U1 getvar “power.inactivity_dtr_override”
```

The default value for the MC70/75 print station is “off”.

The default value for the MC55/65 print station is “on”.



Warning: If the restore defaults command is sent to the print station, the value will reset to “off”. For users of the MC55/65 print station it will then be necessary to turn it back “on” (see examples above).

11z55

Release Date: March 29, 2012

Enhancements

- Add support for the MC55/65 Print Station (R4P-6XXXXXXXXX-XX)
- PRINT: Add support for data matrix barcode using CPCL

Issues Corrected

- PRINT: I2of5 barcode text prints extra check digit when provided by the host
- PRINT: I2of5 barcode calculates incorrect checksum if using field justification
- Print.tone SGD parameter does not handle values above 127
- Unable to save multiple files to flash using Bluetooth
- USB: SGD parameter usb.device.device_unique_id should default to off

11z51

Release Date: December 8, 2010

Enhancements

- Updated smart battery behavior to improve user messages

Issues Corrected

- CPCL: PACE command not functioning properly for labels
- ZPL: firmware does not disable bar sensor in continuous mode (^MNN)
- ZPL: Saving to ZPL flash erases RAM and deleting flash hangs or reboots printer
- ZPL: Page width not working correctly with ^JUS command
- A124200.FNT not printing on RW4-PS
- Printer reboots if sending serial data at other than 115K baud **
- DTR power on doesn't work if charger plugged in **

** In addition to the application firmware, these fixes also require changes to the ROM and loader firmware. To determine if your printer has the latest files to support these two corrections, refer to the diagram below. Because of the low level nature of these parts of the code, they are not available for download over the web. They are only available on new printers from the factory, or on printers returned to an authorized repair facility. Please contact tech support if you need additional help with these issues.

```
Zebra RW4-PS V90/11 11/05/10
.
.
.
Program:
Firmware: S3P49024
  Chksum: E1C0
PLD: 0 Rev. 0
Software: SHCRP11z51
  (R)
  Chksum: 506E
Ver: L6.R90.24.U362.B23.T21.A11
Cable Communications:
115200 BPS, N, 8, 1
.
.
.
```

Power on the printer while holding the FEED button. Release FEED once the printer begins printing the self-test. Look near the top of the second, longer report. If your printer lists R90.24 or higher and L6 or higher, you have the proper versions of ROM and loader to support these two changes.

11z37

Release Date: 04 June 2010

Enhancements

- Original release on RW4-PS

Issues Corrected

- None