



RxD Firmware Release Notes

This document summarizes the following firmware releases:

Firmware Release Number	Release Date	See Page
11z52	18 October 2010	page 2
11z37	25 June 2010	page 3
11x20	27 February 2009	page 4

Hardware Requirements:

This firmware requires one of the following Zebra Mobile Printers (where “X” means the value is not important):

RW 420 (R4D-XXXXXXXX-XX)

RW 220 (R2D-XXXXXXXX-XX)



Note: This firmware does not run on the older RW RxA models (RxA-XXXXXXXX-XX) or the RW4-PS (R4P-XXXXXXXX-XX).



Warning: Loading a RxD release on a RxA model is not supported, will make the printer inoperable, and could make it unable to revert back to a previous version. Check the label on the back of the printer to determine the model number.

Firmware Release:

11z52

Release Date: 18 October 2010

Enhancements

- 802.11: Add support for "G" radio, p/n RxD-xxGxxxxx-xx [6471].
- 802.11: Add EAP session resumption (see below for description).
- 802.11: Removed VPN firmware [4948].

Issues Corrected

- ZPL: Saving to ZPL flash erases RAM and deleting flash hangs or reboots printer [6100].
- ZPL: Firmware does not disable bar sensor in continuous mode (^MNN) [6289].
- CPCL: PACE command not functioning properly for labels [6227].

EAP Session Resumption

After a printer and the network have previously negotiated an EAP session, and due to roaming or falling out of range and returning into range, begin a new EAP negotiation, they can agree to resume the previous session. This significantly reduces the time required to establish the new session from tens of seconds to seconds. In order for this to work, EAP Session Resumption must be enabled in the network infrastructure equipment by the network administrator. EAP Session Resumption is automatically supported in the printer when using any EAP-based protocols such as PEAP, LEAP, EAP-TLS, EAP-TTLS, or EAP-FAST. No printer configuration changes are required.



Note: Releases 11x20 and 11z37 are not compatible with the new "G" radio, p/n RxD-xxGxxxxx-xx, released in October 2010.

11z37

Release Date: 25 June 2010

Enhancements

- None

Issues Corrected

- CPCL: Sending a BEEP command followed by pressing the FEED key resets the printer [5175].
- CPCL: Pressing FEED after power up prints first PRESENT-AT label at max speed [5352].
- ZPL graphic only prints 15 times then stops [2884].
- ZPL label with embedded ~SD command causes printer to hang [4382].
- ZPL ~JS or ~SD commands cause printer to hang [4434] [4440].
- 802.11: Authentication failed with PEAP on IAS2008 server [5620].
- 802.11: Not responding to TCP packets when sent too quickly [3678].
- 802.11: Radio locks up during long duration testing [4776].
- 802.11: Improper TCP handshake [5238].
- 802.11: Not responding to duplicate TCP SYN packets [5318] [6373].
- 802.11: Printer locks up in power save mode [5442].
- Improved Bluetooth operation.

11x20

Release Date: 27 February 2009

Enhancements

- Original release on R2D and R4D.

Issues Corrected

- None

Additional Notes

Compressed Application: Starting with the RxD models, the firmware is stored on the printer in compressed format. This is done to reduce the amount of storage needed in flash memory. It also has the benefit of reducing the file transfer time. The firmware is stored in compressed form in flash, and then decompressed at power up and run out of RAM memory. This decompression takes roughly 5-8 seconds after power is turned on. A progress bar is displayed on the LCD during this process.

Failsafe Download: Starting with the RxD models, a new feature has been added that protects the printer from transmission failures during firmware download. The printer retains the current version in flash while downloading the new version. If the download succeeds the printer will reboot and flip over to the new version. If the download fails the printer will revert to the old version of firmware and continue to operate properly, allowing a second download attempt.