RFD40/RFD90 Software Release Notes (SAAFKS00-006-R01)

Release Notes for RFD40/RFD90 SAAFKS00-006-R01 Released Sep/26/2023

Contents

Introduction

These release notes are for the RFD40 and RFD90 firmware release SAAFKS00-006-R01, this firmware supports all RFD40 and RFD90 models.

Software Deliverables

SAAFKS00-006-R01 contains the following firmware components:

IMAGE TYPE	VERSION	FILE NAME
Bootloader	BAAFKS00-002-R00	BAAFKS00-002-R00E0.DAT
ProductCode Firmware	PAAFKS00-006-R01	PAAFKS00-006-R01E0.DAT
RFID module Firmware	2.0.42	nge-bf525-dev-rev2.0.42.hex
Scanner firmware	PAAEOC20-003-R01	PAAEOC20-003-R01D0.DAT

SAAFKS00-006-R01 major changes since SAAFKS00-005-R00

- Supports Datawedge application.
- Supports Bluetooth Scan to Connect from the second device without disconnecting from the first device.
- Adds support for Falkland Islands, French Guiana, Guernsey, Jersey, Namibia, and Bhutan regions.
- Adds support for up to 32 RFID prefilters.
- Adds support of eConnex low power mode.
- Other bug fixes to improve system stability.

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SAAFKS00-005-R00 major changes since SAAFKS00-004-R04

- Supports 2D parameter barcodes generated with 123RFID Desktop.
- Supports Uganda region.
- Changed SKU for Guam, US Virgin Islands, Puerto Rico regions.
- Fixed issue of some country HID keyboard types.
- Fixed issue of iOS virtual keyboard not working with certain trigger configurations.
- Fixed known issues listed in SAAFKS00-004-R04 release notes.
- Other bug fixes to improve system stability.

SAAFKS00-004-R04 major changes since SAAFKS00-003-R03

- Supports HID mode prefix and suffix basic data formatting rules.
- Supports scanner batch mode with SSI command to get batched data.
- Supports eConnex scanner batch mode.
- Supports factory default reset with upper trigger without application.
- Supports eConnex connection with 3rd party Android phones.
- Supports charging mobile terminals over eConnex interface.
- Supports UK 900MHZ region in World SKU.
- Supports reader friendly name.
- Supports more battery statistics data.
- Supports RFID same tag timeout setting for HID mode.
- Supports iOS soft keypad ejection in HID mode.
- Fixed issues of trigger keymapping, batch mode and HID mode.

SAAFKS00-003-R03 major changes since SAAFKS00-002-R03

- Supports new trigger keymapping design to customize trigger usage.
- Supports firmware update and reader configuration with multi-slot communication cradle.
- Supports discovery service with multi-slot communication cradle.
- Supports customized Bluetooth discoverable timeout.
- Fixed issue of factory default reset does not work after loading offline configuration file.
- Fixed issue of standard model reader not going to low power mode.
- Fixed scanner offline configuration file update.
- Updated RFD90 medium range antenna power level.
- Updated India SKU frequency band.
- Removed the uncertified Japan region from Japan SKU

SAAFKS00-002-R03 major changes since SAAFKS00-001-R05

- Supports all RFD90 models.
- Supports all RFD40 Bluetooth models.
- Supports Windows, Android and iOS Bluetooth host.
- Supports all RFD40 scanner models.
- Supports encrypted RFID and scanner module firmware update.
- Supports USB and Bluetooth HID mode.

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- Supports Bluetooth and USB RFID batch mode.
- Supports Bluetooth scanner batch mode.
- Fixed intermittent reader reboot issue when testing access operation with certain tags.
- Fixed long term RFID inventory fastest read profile stop reading issue.
- Improved iOS Bluetooth barcode test stability.

SAAFKS00-001-R05 major changes since SAAFKS00-001-R03

- Implemented RFID Regulatory Errata List on RFD40.
- Fix radio error F8 248 with NGE 2.0.40 firmware.

Additional Notes

- To use RFD40/RFD90, Zebra CDC driver should not be installed on Windows 10 PC.
- iPhone eConnex HID mode is not supported.