



CRA-A271 Firmware Read Me

Version 3.1.3

CRA-BTDG27 Firmware Read Me

Version 3.1.1

March 2023

Associated firmware file versions CRA-A271		Associated firmware file versions CRA-BTDG27	
Firmware	3.1.3	Firmware	3.1.1



******* PLEASE NOTE: *******

- This readme file contains information about the latest version of the CRA-A271 and CRA-BTDG27 firmware.
- Support for all Code products is available from Code website at: www.codecorp.com
- If you have technical questions, please contact support@codecorp.com



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1. NEW FEATURES IN THIS RELEASE

Version 3.1.3 (A271 only)

- None

2. ENHANCEMENTS/IMPROVEMENTS/FIXES

Version 3.1.3 (A271 only)

- Removed support for hardware without the capacitive touch sensor. (CRA-A271)

Version 3.1.1

- Added support for CR2700 Batch Mode (CRA-A271)
- Added support for detecting if the base is enumerated, having the reader error beep if the base can't send data to the host
- Added setting for changing the product ID of the reader when in USB VCOM mode
- Fixed an issue where IBM POS was outputting incorrect data
- Added additional support for improvements to the capacitive touch paging button
- Added additional testing features for manufacturing

Version 2.4.0

- Fixed issues with base keystroke delays
- Added ability to set platform settings
- VCOM Support (Requires CR2700 2.3.1 minimum firmware version)
- IBM POS Support (Requires CR2700 2.3.1 minimum firmware version)
- USB CDC Support (Requires CR2700 2.3.1 minimum firmware version)

Version 2.0.2

- Improved charging reliability
- Added support for USB HID POS (surePos)
- Updated Radio SoftDevice
- Fixed issue when sending data from a JavaScript with a 500ms delay the base would lock up
- Fixed issue where caps locks would freeze the base when transmitting non alpha numeric characters
- Fixed issue where Inter-ScanCode delay could not be set
- Fixed issue when Inter-Character delay was set, output could be doubled
- Fixed issue where reader might not reconnect to base after scanning a CFR configuration barcode

Version 1.3.5

- Fixed issue where caps lock enabled on the host machine resulted in incorrect barcode data

Version 1.3.4

- Reduced firmware upgrade complexity by supporting one file upgrades
- Added ability to retrieve chip revision
- Support for HID POS
- Initial Release of CRA-BTDG27 USB Dongle

Version 1.2.0

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code

- Added recovery mode
- Changed USB Enumeration with host to indicate bus-powered device
- Enhanced the base CFR to also clear the base connection history
- Improved data transfer reliability involving communication of large amounts of data (e.g. multiple consecutive CFG commands or image transfer from reader to host through base)
- Fixed issue with unexpected base USB re-enumeration when connected to CT2 and a reader disconnects/connects

Version 1.1.1

- Added ability to configure LED blink rate during paging
- Fixed issue where base became unresponsive after more than 10k connections
- Fixed issue where base could stop pairing after many readers were connected
- BLE 5 Secure Pairing

Version 1.0.3

- Programmable customer deployment date
- Supports upgrade through CortexTools2
- Link Lock – A271 to allow connection to only one specific CR2700 Connects to Code CR2700 Reader via Quick-Connect-Code (QCC)
- CR2700 paging via A271 button
- Supports USB Enumeration as a HID keyboard device
- A271 Pre-emptive mode
- Supports BLE connection from CR2700 via scanning Quick-Connect Code (QCC) or auto-reconnect (configurable)
- Wirelessly Charges CR2700



3. CHANGES TO DEFAULT SETTINGS

Version 3.1.3 (A271 only)

- None

Version 3.1.1

- None

Version 2.4.0

- None

Version 2.0.2

- None

Version 1.3.5

- None

Version 1.3.4

- None

Version 1.2.0

- None

Version 1.1.1

- None

Version 1.0.3

- None



4. OUTSTANDING ISSUES

Note: Firmware ENHANCEMENTS and OUTSTANDING ISSUES are categorized as critical and noncritical. Critical updates require the user to upgrade firmware and all reader programming guides and manuals.

***** CRITICAL *****

- none

*****NON CRITICAL*****

- none

5. CONFIGURATION CODES

NEW CONFIGURATION CODES: NONE

Code	Ver	Description

EXISTING CONFIGURATION CODES THAT HAVE BEEN MODIFIED: NONE

Code	Ver	Description

EXISTING CONFIGURATION CODES THAT HAVE BEEN REMOVED: NONE

Code	Ver	Description

6. SOFTWARE/READER TOOL COMPATIBILITY

- Minimum CR2700 firmware 1.1.1 required for CRA-A271 support
- Minimum CR2700 firmware 1.2.2 required for CRA-BTDG27
- CortexTools3 2.1.20.1 is required to upgrade from anything with a major version of 1.x to a major version of 2.x and higher.
- CortexTools3 2.1.20.1 is required to upgrade the CRA-A271 and CRA-BTDG27 from version 1.x to version 3.x and higher



7. FIRMWARE FILE NAMING CONVENTION

The A271 firmware CRAW file name describes the corresponding platform associated with the file. See the table below for a breakdown of the filename:

Cxxxxxx_<Version>_<Product>.craw

File name part	Description	Notes
Cxxxxxx	Unique Code internal tracking number	This number is unique for all Code firmware/hardware but has no other significance
<Version>	The version number of this firmware in three integers as Major.Minor.Build	Major – A change to this number equates to significant changes such as breaking backwards compatibility
		Minor – A change to this number equates to a change or addition to functionality
		Build – A change in this number equates to an issue fix or some minor change. It is updated for every build of the firmware.
<Product>	The product on which this firmware will run	Currently A271 only (other values reserved for future use)

8. TECHNICAL SUPPORT INFORMATION

You may contact Code at:

Code Corporation
434 West Ascension Way
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Murray, UT 84123

Voice: 801-495-2200

Fax: 801-495-0280

support@codecorp.com

You can track new product releases, software updates and technical bulletins by visiting the Code web page at <http://codecorp.com>.

If you have technical questions, please contact support@codecorp.com

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