



CortexTools2™ Software Readme

Version 1.6.7.0

December 2020

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

- This Readme file contains information about the latest version of the CortexTools2™ utility for use with Code Corporation Reader devices.
- CortexTools2™ may be used with all Code 8x-family readers :
 - CR900FD
 - CR1000
 - CR1400
 - CR2300
 - CR2600
 - CR3600
 - CR3600DPM
 - CR4400
 - CR4405
 - CR5000
 - CR5000RTC
 - CR6000
 - CR8000
 - CR8013
 - CR2500 (limited support)
 - CR3500 (limited support)
 - T500
- CortexTools2™ may be used with all Code 82x-family readers:
 - CR950
 - CR1100
 - CR1500
 - CR1500DPM
 - CR2700
 - CR2700 FIPS
 - CR5200
 - CR8200
- CortexTools2™ may be used with Code 82x Bluetooth chargers:
 - A271 (used only with the CR2700)
 - A271 FIPS (used only with the CR2700 FIPS)
- CortexTools2™ may be used with the following Bluetooth Dongle:
 - BTDG27 (used only with the CR2700)

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1. WHAT'S NEW IN CORTEXTTOOLS2™

CortexTools2™ 1.6.7.0

- Added support for CR2700 FIPS and A271 FIPS devices.

CortexTools2™ 1.5.8.0

- Added Base DFU Recovery item in the Options menu.

CortexTools2™ 1.4.3.18

- None

CortexTools2™ 1.4.2.3

- The Validate Firmware Filename option has been added under the Options menu so users can enable the check or not.
- CortexCL2 has been added for 82x readers only to enable users to update firmware, list files and settings, and send configuration changes to the reader. In command line, navigate to c:\Program Files (x86)\CortexTools2\. Then type CortexCL2.exe enter. Options will come up on what to type in to perform the various operations. The following 82x devices are supported: CR950, CR1100, CR1500, CR2700, CR5200, CR8200, A271, and BTDG27 dongle. The following files are required for CortexCL2 to run: codeUtil2.dll, CortexCL2, and hidapi.dll.
- Support for the BTDG27 Bluetooth Dongle has been added.

CortexTools2™ 1.3.3.4

- Feature to clean USB and COM ports which accumulate while upgrading large number of A271s.
- Ability to reset the starting COM port to a smaller number which increase while upgrading a large number of A271s.
- Ability to clear the history found in drop down menus found in the file download, barcode, and advanced tabs.
- In the advanced tab, users are able to search for specific items generated when using Get commands such as CFG.
- Ability to display Get commands in XML format.
- Image and decoder image capture feature is now supported.
- This version of CortexTools2 is required to upgrade the A271 firmware from 1.1.1 to 1.2.0+.

CortexTools2™ 1.2.3

- Support for the CR2700 and A271 Charger.
- Multiple A271 Chargers can be updated in reader manager mode.
- Firmware for a CR2700 connected to an A271 Charger via BT can be updated.
- The charger will be identified with its own device ID when plugged into CT2.
- Simple parsing functionality implementation for 82x readers only.
- Ability to create a QCC barcode for the 2700 to pair to the A271 charger.

CortexTools2™ 1.1.1.14

- Configuration tab functionality for both 8x- and 82x-family readers.
- Data Parsing tab functionality for both 8x- and 82x-family readers.
- CT2 software auto update feature.

- Lock/unlock reader functionality for the CR1500/CR1500DPM and continued support for 8x-family readers.
- 82x reader upload image by trigger press.

CortexTools2™ 1.0.1.1

- None

CortexTools2™ 1.0.0.10

- Support for both 8x- and 82x-family readers.
- Integrated the CodeUtil2 Driver version 1.0.0.1 for use with 82x-family readers.
- Added support for generating QR Code-based configuration barcodes required by the 82xx-family readers.
- Create configuration barcodes for both reader families.

2. ENHANCEMENTS/IMPROVEMENTS/FIXES

CortexTools2™ 1.6.7.0

- Added ability to set the time on CR5200 Real Time Clock (RTC).
- Fixed issue where Images would reappear after Clear Image was selected.

CortexTools2™ 1.5.8.0

- Added support for upgrading A271/CRA-BTDG27 soft device.
- Added ability to retry an upgrade when a A271/CRA-BTDG27 is stuck in DFU mode.
- Added Yes/No warning messages when downgrading 2.x versions to 1.x version for CR2700 and A271/CRA-BTDG27.
- Updated CT2 Installer to initially require administrative rights, for every user account.
- Fixed issue where the serial configuration box would display each time an 8x reader was connected via VCOM mode.
- Fixed formatting issue when creating a .crccs file in the Configuration Tab for Prefix/Suffix.

CortexTools2™ 1.4.3.18

- Fixed issue upgrading an A271 from Firmware Version 1.1.1
- Fixed issue when loading a .crccs file which contained platform settings.

CortexTools2™ 1.4.2.3

- For 8x readers, the Upload Wide Field button has been added back to the image upload tab.
- For 8x readers, the Upload Wide Field button has been added back to the image upload tab.
- Configuration lock now works with the CR950 (firmware 2.2.1), CR5200 (firmware 1.2.0), and CR8200 (firmware 1.16.0).
- Support for the CR5200 such as the ability to view files under File Browser and load data parsing JS files has been added.

CortexTools2™ 1.3.3.4

- List the boot firmware when an A271 is connected to CortexTools2.
- Upload entire image button is now the only option for the image upload feature for 82x readers.
- BMP images can be generated by the following 82x readers under the image upload tab: CR1100 (1.3.2), CR1500 (1.6.2), and CR2700 (1.2.2).

- The reboot option in the advance tab can reboot the A271.

CortexTools2™ 1.2.3

- CodeUtil2 driver has been enhanced to support CR2700 and A271.

CortexTools2™ 1.1.1.14

- TOOLSPSW-223: Changed CR4405 to CR4400 in CT2.
- TOOLSPSW-328: Configuration File Chooser Dialog supports 82x-family readers.
- TOOLSPSW-492: Functionality to send rules to barcode generator will be based on selected reader type.
- TOOLSPSW-620: Add the ability to send a file containing commands to 82x-family readers.
- TOOLSPSW-645: Removed the Cancel Download button.
- TOOLSPSW-866: Fixed an issue where a message kept coming up when there is not internet access to the computer.

CortexTools2™ 1.0.1.1

- TOOLSPSW-576: DL/ID tab generated Data Matrix barcodes instead of QR Code barcodes for 82xx-family readers due to omitted update of late ConfToCode library API change.
- TOOLSPSW-578: Corrected CRB-related information and cleaned up help message formatting.
- TOOLSPSW-580: Override caption check box was not hidden when it should have been.
- TOOLSPSW-584: Added ™ symbol to CortexTools2 name in the about dialog box.
- TOOLSPSW-585: Added missing 8x-family reader models to the barcode reader type dialog.
- TOOLSPSW-586: Added description during installation where it mentions network connection to inform the user why CortexTools2 needs Internet access.

CortexTools2™ 1.0.0.10

- Initial integration for 82x-family readers; continued support for 8x-family readers.

3. OUTSTANDING ISSUES

- BMP images can be generated by the following 82x readers under the image upload tab: CR1100 (1.3.2), CR1500 (1.6.2), and CR2700 (1.2.2).
- CT2 may crash when switching between USB Keyboard and HID Vendor mode using an 8x and 82x reader at the same time.
- Configuration tab – Confirmation message “You have made changes to your configuration. Would you like to proceed with out saving changes?” returns twice.
- Configuration tab – The default setting for UPC/EAN/JAN – Transmit UPC-A Check digit is 0, should be 1.
- Advance tab- Non Printable characters do not return.
- Customizations to tabs may not always be saved.
- File Browser – Show all Files has may have to be rechecked to display .js files.
- BTDG27 may fail the initial upgrade from firmware major version 1 to major version 2 which may require CortexTools2 to be restarted.
- Multiple Reader Mode does not support upgrading CR2700 over BLE.
- Image Upload is not available for CR2700 FIPS devices.

4. SOFTWARE TOOL COMPATIBILITY

Recently upgraded CortexTools2 software is available for download from the Code Corporation website at <http://codecorp.com> or contact Code Technical Support support@codecorp.com.

The latest firmware for Code Readers will yield the best results with CortexTools2, although older firmware versions are supported.

The following are compatible with CortexTools2:

- CR900FD
- CR950
- CR1000
- CR1100
- CR1400
- CR1500
- CR1500DPM
- CR2300
- CR2500 (limited support)
- CR2600
- CR2700
- CR2700 FIPS
- CR3500 (limited support)
- CR3600
- CR3600 DPM
- CR4400
- CR4405
- CR5000
- CR5000 RTC
- CR5200
- CR6000
- CR8000
- CR8013
- CR8200
- T500
- A271
- A271 FIPS
- BTDG27

Note: To upgrade firmware on A271 Bluetooth charger and the BTDG27 Bluetooth Dongle, Windows 10 is required. All other features and functionality are supported on the following operating systems: Windows 7, 8, 8.1, and 10.

5. TECHNICAL SUPPORT INFORMATION

You may contact Code at:

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

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