



CortexTools3™ Software Readme

Version 2.9.89

April 2025

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

- This Readme file contains information about the latest version of the CortexTools3™ utility for use with Code Corporation Reader devices.
- CortexTools3™ may be used with all Code 82x-family readers:
 - CR950
 - CR1100
 - CR1500
 - CR1500DPM
 - CR2100
 - CR2700
 - CR2700 FIPS
 - CR5200
 - CR8200
 - CR807x
 - V2200
 - V3200
 - V4500
- CortexTools3™ may be used with Code 82x Bluetooth chargers:
 - A211 (used only with the CR2100)
 - A271 (used only with the CR2700)
 - A271 FIPS (used only with the CR2700 FIPS)
 - V1300 (used only with the V3200 and V4500)
 - V1400 (used only with the V3200 and V4500)
- CortexTools3™ may be used with the following Bluetooth Dongle:
 - CRA-BTDG27 / CRA-BTDG27C (used only with the CR2700)

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1. WHAT'S NEW IN CORTEXTTOOLS3™

CortexTools3™ 2.9.89

- Added new keyboard and device images

2. ENHANCEMENTS/IMPROVEMENTS/FIXES

CortexTools3™ 2.9.89

- File browser filter now displays all supported reader file types, not just firmware files.
- Fixed issue where application would lock up after unplugging your router or switch from your PC
- Fixed issue where the lock icon was displaying inconsistently for devices connected to the V1400
- Fixed issue where extraneous popup would display upon clicking on device's COM port
- Fixed issue where extraneous popup sometimes displayed when capturing images in the Capture tab
- Fixed issue with the Check for Updates functionality for industrial products
- Fixed issue where CT3 would incorrectly display "download in progress" when exiting after a V1400 firmware update.
- Fixed issue where incorrect hex values would display for non-ASCII characters in the Advanced tab
- Fixed issue where warning message would display when downloading firmware to the A211
- Fixed issue where clicking to the left of the minimize button would cause the window to minimize
- Fixed issue where previous download success or failure message would display at the start of the next file download
- Fixed issue with icon defaulting after it was pinned to the task bar

CortexTools3™ 2.7.137

- Added support for the V1400 cradle
- Added support for the V2200 and V3200 scanners
- Fixed issue with Reset USB Serial Device in the Options menu
- Fixed issue where after capturing an image, the reader download option would be blocked until reader reboot
- Fixed issue with file list not displaying after navigating away from Explore tab
- Fixed issue where CT3 saved an empty image if cropping was set, captured, and saved

CortexTools3™ 2.5.0

- Fixed issue where log files were being written to Program Files instead of App Settings
- Fixed issue where changing the language in CT3 would soft lock user from closing application
- Fixed issue where "Validate Firmware Filename" was still validating after unchecking option
- Fixed issue where users would sometimes see a "Error in parsing device info" pop up
- Fixed CR2700 VCOM image mismatch issue
- Fixed CR2700 VCOM firmware download issues
- Fixed CR2700 VCOM to show communication mode in CT3
- Fixed BTDG27 causing application crash when downgrading from 3.1.1 to 1.3.4
- Fixed issue where V4500 upgrade progress wasn't consistent
- Fixed issue where V1300 wouldn't respond to "Keyboard Mode" button
- Fixed issue of some Bluetooth Readers not showing Radio information in certain scenarios
- Fixed Image Properties to be accurate
- Fixed issue where Registry values weren't being created on Install

CortexTools3™ 2.3.3.0

- Fixed issue where sometimes a “ghost” keyboard would show in device list
- Fixed issue where CR2700 wouldn’t work in VCOM mode after device was unplugged then re-plugged in
- Fixed issue where device may not show in CT3 until disconnecting and reconnecting device

CortexTools3™ 2.2.24.0

- Fixed issue where Image Viewer was too large causing the close, minimize, and maximize buttons to be cut off
- Fixed issue where Image Viewer would remain after closing CortexTools3™
- Fixed issue where the Capture Tab’s clear button would lose functionality after 3 uses
- Added scrolling to Image Viewer. Shift and wheel will scroll left and right. Control and wheel will zoom in and out
- Updated translations
- Fixed ability to hide pin when locking/unlocking readers
- Fixed issue where CR2700 MAC addresses were not showing
- Fixed UI issue where “Show Message as XML” button was cut off in the Advanced tab.
- Fixed issue seen when switching multiple scanners to keyboard mode causing them to no longer appear

CortexTools3™ 2.1.20.1 (Hot Fix)

- Fixed an issue with updating firmware on the A271 when going from 1.x release to 3.x and newer

CortexTools3™ 2.1.20.0

- Added mirroring option in the Image Editor
- Added ability to hide pin when locking and unlocking readers
- Fixed issue with the progress bubble animation
- Fixed issue where the radio name doesn’t appear properly
- Fixed issue where CT3 would crash when the Explorer Tab was clicked multiple times
- Fixed issue where CT3 would freeze when the Capture Tab is clicked
- Fixed issue where firmware downloads would fail on the A271 Base
- Fixed issue where some strings were truncated in other languages
- Fixed issue where the QuickConnect Code wouldn’t generate with the A271 and BTGD27

CortexTools3™ 2.0.14.0

- Fixed issue saving image properties
- Fixed issue with displaying device information for FIPS devices
- Fixed issue where the Lock/Unlock ICON was missing for some devices
- Fixed issue unlocking devices with encrypted unlock commands
- Fixed issue when opening an image, the image properties did not consistently return
- Fixed issue where upgrades failed when upgrading multiple CR2700 readers that are paired with bases
- Added ability to open an image without a device attached
- Added ability to have multiple VCOM connections
- Added message which returns when firmware versions do not support the 2.2 chip
- Added COM Mode indicator in the device properties section
- Added a warning message when attempting to install CR1500DPM firmware over CR1500 firmware
- Enhanced ability to upload .crvfw file on a CR950 device

- Improved Image Upload by separating into two tabs: Image Capture and Image
- Image Editor
- Windows 11 compatibility
- Automatic VCOM mode detection
- Auto-complete feature for commands entered in the Advanced tab

CortexTools3™ 1.1.22.0

- Added ability to display results from an inactive reader in the Advanced tab
- Added Remove/Delete option in the search field
- Improved visibility to see what mode a device is connected in by adding COM Mode in the device information section
- Improved Send Packetized Data functionality, allowing commands to be sent using the Enter Key, and ability to see a history of commands sent
- Improved browse file functionality to gracefully handle when a mapped drive has been deleted
- Improved responses to a button click, allowing user to feel like they are working
- Fixed issue with the Set Time button returning an INVALID response and not setting the time
- Fixed issue when in Multiple Reader view, extra tabs would show
- Fixed issue where the reader image would not display after upgrading from bootloader
- Fixed issue where after a CRA-A271 upgrade, the application would need a refresh or restart
- Fixed issue with the applications auto up-date process
- Fixed issue with loading .crccs files
- Fixed issue with downloading .js, .txt, and .png files
- Fixed issue with Auto Launch
- Fixed issue where a temp file was created when opening an image
- Fixed issue where scanned data did not show in the Advanced tab when in Keyboard mode
- Fixed issue where the language could not be changed after installation
- Fixed issue where the entire image was not seen after rotating
- Ability to open a saved image without a device attached
- Developer Mode for the Image tab
- Automatic HID Vendor mode
- DFU Mode

CortexTools3™ 1.0.6

- Initial Release

3. OUTSTANDING ISSUES

- The Refresh button must be clicked after connecting or disconnecting readers on the V1400 for CT3 to update the device list.
- Device discovery and removal are slower for V1400 and its connected readers.
- High-quality image uploads fail for devices connected to the V1300 in RS-232
- In the Image Viewer, large images can cause the Properties section to be cut off with no scroll option.
- Browsing images in the Image Viewer creates duplicate files.
- When Saving Images to flash, navigating back and forth between the Capture tab and Explore tab after issuing CDPXEV1 in the Developer console causes the file list to not display
- Commands sent via the Capture tab's developer console sometimes don't get sent the selected reader if multiple devices are connected.
- Switching between USB HID Vendor and USB CDC VCOM communication modes with multiple devices connected can cause the device to drop off CT3 and not show back up. If this happens, ensure you restart your software and scan the associated communication mode barcode.

4. SOFTWARE TOOL COMPATIBILITY

Recently upgraded CortexTools3™ 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 CortexTools3, although older firmware versions are supported.

The following are compatible with CortexTools3:

- CR950
- CR1100
- CR1500
- CR1500DPM
- CR2100
- CR2700
- CR2700 FIPS
- CR5200
- CR8200
- CR807x
- A211
- A271
- A271 FIPS
- BTDG27/BTDG27C
- V1300
- V1400
- V2200
- V3200
- V4500

5. TECHNICAL SUPPORT INFORMATION

You may contact Code at:

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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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