

Welcome to the C-more Programming Software for C-more EA9 Series Touch Panels

**Version 6.40 15 Nov 2017**

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This document describes some of what's new in this release of the C-more Programming Software. It also includes known issues as well as updated information for the documentation provided with this software. The information in this file and in the Help system is more up-to-date than that in the manual.

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## **Part 1: Welcome**

[AutomationDirect.com](http://AutomationDirect.com) would thank you for using the C-more Programming Software. We have loaded many powerful and exciting features to the new C-more software; however we know that our customers sometimes have great ideas for features. Please feel free to give us input on the C-more product line and you may even request features that you feel would add more value to the software for your application.

Tell us what you think about C-more!

Call our C-more comment line at 1-800-935-1084 or email your comments to [Cmore@AutomationDirect.com](mailto:Cmore@AutomationDirect.com)

## **Part 2: Getting Started**

This software is used to configure C-more Touch Panels that have part numbers beginning with "EA9-"

### **Part 3: Demo Version Notes**

To install a free demo version of this software, when prompted to enter a key code during the installation process, enter DEMO. This version has been created to allow users to sample our latest C-more programming software before purchasing. It is limited in only a few features.

#### **DEMO DETAILS:**

1. The demo software has all the features of the purchased version, except that you cannot save your project to disk or download it to a panel.
2. You can download our sample projects and explore the capabilities of C-more.
3. You can use the Simulator to test your project on the PC, and see how the Simulator can save you hours of programming time.
4. You can create your own objects, and save them in your object library.
5. You can explore the online help, and find answers to many questions that aren't covered here in the readme file.
6. You cannot use the complete language fonts. English is the only available language font.
7. The demo software comes with a demo version of Symbol Factory.

To install the complete full version of the software, call our 1-800-633-0405 number and select Sales. After the order is approved you will receive a key code to install the full version of the software.

## Part 4: What's New?

### 11/15/2017 Version 6.40

#### New Features

- 1) Support for EA9-T10WCL and EA9-T15CL-R
- 2) Added Screen Capture Quality setting in Event Manager
- 3) Added Screen Capture Time Stamp and folder structure to allow multiple screen captures to be saved
- 4) Added Random Password Keypad position selection to Panel Manager
- 5) External Device folder structure created in PC Documents folder for Simulation:  
C:\Users\%User%\Documents\AutomationDirect\C-more\Simulation\Default
- 6) Added new System Tags to Monitor User Inactivity with the touchscreen.  
SYS Screen Saver Status  
SYS User Inactive Hour Count  
SYS User Inactive Minute Count  
SYS User Inactive Second Count  
SYS User Inactive Count Reset

#### Improvements

- 1) Security Updates

#### Bug Fixes

##### Software

- 1) Sound Event – “Error OBJ-020: Select Sound File” displayed even though sound file is already selected

##### Firmware

- 1) Do-more Symbolic Driver: String data of even lengths shows old data
- 2) Do-more Serial Built-In Memory driver, "PLC-029: MemVer ERR HMI:1 PLC: XXXXXXXXX" error displayed incorrectly when Transmit is direct looped back to Receive. Should be a "PLC-009: Different function code received from PLC" error instead.
- 3) Project screen is not redrawn after using CLEAR ALL command on system screen for External Device such as SD Card or USB drive.

### 9/28/2017 Version 6.32

#### Improvements

- 1) Security Updates

#### Bug Fixes

##### Firmware

- 1) Button on Background Screen will not toggle with Clock Source Seconds Tag present

#### Software

- 1) Project Transfer Window takes a long time to open when project was opened from Network Drive that is no longer connected
- 2) Tag Name Database - Fill Down does not work with Allen Bradley Drivers (DF1, DH-485) Integers and Floating Point
- 3) Screen Library will not import screen

### **5/30/2017 Version 6.31**

#### New Features

- 1) Support for Do-more Symbolic Addressing
- 2) Circle Meter added to Bar Meter Object
- 3) Import Project Data imports Project User Defined Keypads
- 4) Support 32 bit Bitmap format Improvements
- 5) Productivity PLC Driver – added support for bit of word
- 6) GE Protocols – Extend Address range
- 7) Address Book - Support the + character at the beginning of an email address
- 8) Panel Tab selections are active even when there is not a project is not open
- 9) When a project is Read from Panel, alert user that project isn't saved before closing software
- 10) PLC Protocols – Added S7-1500 to Siemens S7-300/400/1200 (Ethernet ISO over TCP)
- 11) Import Project Data - Improved Screen Selection
- 12) Tag Name Add - Keep the last device selected as the default device

#### Bug Fixes

##### Firmware

- 1) Data Logging - RTE-004 Error instead of overwriting oldest files when reaching 999 files
- 2) Alarm Banner Line feed needs to break at the word not the letter
- 3) Ethernet Connection Setup - Broadcast browse message does not get reply from panel
- 4) Ethernet Connection Setup - Browse message contains wrong source IP in some PC setups
- 5) Font Size Adjustment takes very long time is property list is open
- 6) Sound Action does not work when Beep is disabled in Panel Manager

##### Software

- 1) When a Popup Window including a grouped object is copied to the display screen software crashes

- 2) Deleting screen with a Popup Window Frame crashes software
- 3) Allen Bradley ST Tags not importing

## **12/14/2016 Version 6.30 New**

### Features

- 1) Support for EA9-T7CL and EA9-T7CL-R panels
- 2) Property List Improvements
- 3) Changes in EtherNet/IP ControlLogix Setup to support Allen Bradley 1756-L8x series

### Bug Fixes

#### Firmware

- 1) PLC-to-Panel, Switch to Screen Number, screen change at startup causes object to not update.
- 2) Indicator Pushbutton does not show the correct pressed state
- 3) Not calibrating Touch Screen causes NO USER PROJECT to be displayed after power cycle even though a project was successfully transferred to panel
- 4) Mouse Cursor – Disappears with Call Recipe Object
- 5) System Screen – Test Comm Port – Showing Serial 2 and Serial 3 tabs for EA9-T6CL-R model

#### Software

- 1) Siemens s7-200 (Ethernet :ISO over TCP/IP) settings not retained
- 2) Print Preview - Tag Database is missing one line between pages
- 3) Screen Selector - Changing Screen Selector screen list causes software to crash
- 4) Screen Selector - Changing Screen Selector Column/ Row number causes software to crash
- 5) Object Layer List - Hidden Objects are not listed correctly when project is first opened
- 6) Objects can created with the same object name
- 7) Recipe Sheet - Cannot rename tag names saved in recipe sheet
- 8) Recipe Sheet – Siemens DB memory type causes an error
- 9) Sound – Error OBJ-020 when sound is selected in object
- 10) Print Preview - Moving Setup property is reverse shows incorrect setting
- 11) Toolbars cannot be reopened after being closed
- 12) Font selection - Classic Font size selection not retentive

## **10/06/2016 Version 6.21**

### Bug Fixes

#### Firmware

- 1) Screen Update Issue - Data not updating when screen is changed by PLC
- 2) GE Ethernet SRTP driver: Session Request OPEN to Rx3i fails

- 3) Email - garbled characters of subject
- 4) Message Box - Always beeps when OK is selected even though Beep us disabled in panel manager
- 5) Panel locks up when entering Screen Password
- 6) Text Object may not show Byte Swapped Text when using the Webserver
- 7) The panel may lockup when a keypad is opened from a remote application
- 8) Skipping Calibration Screen causes No User Program to be displayed after power cycle

#### Software

- 1) Language Export with Multistate Text Indicator, Step Switch, Tristate Switch and Valve Indicator missing rows
- 2) Tag cross reference - Misspelled word "Refresh"
- 3) Screen Update Issue - Data not updating when screen is changed by PLC
- 4) Simulator – Wrong value is edited in the Data window after scrolling
- 5) Animation Bitmap - When an Animation Bitmap is converted from version 5.xx to version 6.xx the bitmap size increases
- 6) Multi-text Indicator - Cannot add a new message after deleting all 64 messages
- 7) Duplicate - Screen Duplicate from toolbar can only be carried out once
- 8) Call Alarm Screen and Alarm List - Confirm Button will be disabled abnormally after sorting
- 9) Error GUI-122: Failed to create runtime file - occurs after adding more than 256 Trigger tags to the Event Manager and downloading
- 10) An Empty Group was created causing Error - Encountered an improper argument 11) Tag Name Database PLC Address List - Sorts incorrectly

### **06/06/2016 Version 6.20**

#### New Features

- 1) New PLC Protocol Drivers
  - a. GE Ethernet SRTP for the GE Series 90/30 Rx3i controllers
  - b. Allen-Bradley Micro800 Ethernet/IP Client Tag-Based
  - c. Allen-Bradley Micro800 Serial Tag Based
- 2) Improvements to Ethernet Browsing & Setup
- 3) Jump to Background Screen Right-Click menu selection
- 4) Screen Navigation Tools
- 5) Object Alignment Tools

- 6) Dot Grid Option
- 7) Duplicate Objects
- 8) Duplicate Screens
- 9) Object State Changer
- 10) Boot/Storage Options

#### Improvements

- 1) Event Manager – Improved Add FTP Action and Add Email Action references to Message and Alarm logs
- 2) Multi-State Text Indicator - message configuration window support right click or shortcut key copy, paste insert and delete messages
- 3) Increased Siemen's s7 address ranges
- 4) Updated "L5KPreDefine\_Template.txt" file to include all of the latest Datatypes from Allen Bradley Bug Fixes
- 5) System Screen - Add HDMI connection status

#### Bug Fixes

##### Firmware

- 1) Bar Meter - Meter Image has a border not previously seen in 2.78 and 5.12
- 2) Showing Log Device Warning on Startup even though all logging events are disabled
- 3) Math Error when using Allen Bradley MicroLogix DF1 protocol and T or C data types in Math Event
- 4) Indicator with Gradient setting has white border
- 5) Event Trigger Day and Time - Repeats when Repeat is disabled
- 6) Project not starting from SD1
- 7) Alarm Banner Font Size changes when converting from 2.78 to 6.xx if Default Font is Classic

##### Software

- 1) User Defined Keypads are not visible under Define Keypad
- 2) Tag Database allows selection memory types that are incompatible with the tag data type when the device is CLICK Ethernet
- 3) Save Project required when transferring to Panel even though no changes were made.
- 4) ADC Productivity Tag CSV file import fails to import new tags
- 5) Recipe Button - Numeric Tags are displayed as Discrete in Recipe Table
- 6) Drag and Drop Screens sometimes drops screen in the wrong place when there are many screens
- 7) Alarm Banner Font Size changes when converting from 2.78 to 6.xx if Default Font is Classic

## 04/22/2016 Version 6.15

### Bug Fixes

#### Firmware

##### Recovery Tool

- 1) Recover Tool does not recover EA9-T12CL and EA9-T15CL – “No System Found” is displayed Recipes
- 2) Recipe Button doesn't write to Productivity using Multiple Source Recipe option
- 3) Recipe Sheet and Recipe Button with Multisource Recipe do not work with 2 Devices
- 4) Recipe sheet with only one column does not write anything to the Device Tag

##### Alarms

- 1) Alarm History clears on power cycle

##### PLC Driver

- 1) Productivity Ethernet driver: Object is showing 0 on C-more but there is a non-zero value in the PLC register

## 12/7/2015 Version 6.14 Build03

### New Feature

- 1) Supports AutomationDirect CLICK Ethernet

### Improvement

- 1) Add RTE-130 Warning when the project resides on SD1 and SD1 is removed, causing project to stop running.

### Bug fixes

#### Software

- 1) AB L5K Import - The software does not import TIMER data type tags that are within User Defined structures
- 2) Remote Access - Domain Name cannot be entered for IP Address
- 3) Address Book Export doesn't allow ; or ] character in path name
- 4) Language Export with Multistate Text Indicator missing rows 5) Cascade Mode does not close screens properly
- 6) File Save dialog opens after transferring an .epp project.
- 7) Import Array Element limit is ignored, it is importing all array elements.
- 8) Project Data Import Causes 30,000 Tag Limit to be exceeded in error



- 9) Position of grouped objects can't be set with Properties List
- 10) An incorrectly formatted IP address entered in the Remote Link List in Ethernet Connection Setup, causes software to crash
- 11) Classic Color Pallet selection under Menu>Tool>Tool Option not applied to the Event Manager Database and Message Database Color Palette selection
- 12) Cannot Fill Down Floating Pt Tag DF (CLICK protocol) in Tag Name Database.
- 13) Russian language characters do not display properly in the project workspace
- 14) SYS BUILTIN DRAM not released after TCP connections close
- 15) DEMO install only – Placing an Object on the screen or opening a Database causes software to crash

#### Firmware

- 1) Thumbwheel popup window configured to use Style1 keypad doesn't display the keypad with the proper frame style
- 2) Numeric Entry configured for Signed Int 32, "2147483648" is changed to "-2147483648"
- 3) Recipe Sheet - Recipe Name Tag ASCII (Byte Swap) has no effect when called from Recipe Button
- 4) Recipe Sheet – When a cell is designated for Tag Type but no Tag is configured, the wrong row is loaded by Recipe Button
- 5) Do-more driver: reporting PLC-009 instead of instead of PLC-499
- 6) DH-485: Does not work with older Allen Bradley PLCs (SLC500 and SLC5/01)
- 7) Message Box doesn't size properly for a 6" panel
- 8) SD1 logging can cause DRAM memory leak
- 9) Unable to download Remote Access client on slow network link
- 10) EA-RUN.exe encountered a serious error and must shut down due to Analog Meter cache memory.
- 11) Objects behind a Call Alarm Screen Button can't be activated
- 12) Out of Memory Error - DRAM not released after TCP connections close
- 13) Out of Memory Error - Memory Leak caused by removing SD1 card after project is downloaded
- 14) Out of Memory Error - Event Manager Email Action causes DRAM memory leak

### **7/20/2015 Version 6.13**

#### Improvement

- 1) Watch Dog Timer and CPU clock synchronization improvements to eliminate Watch Dog Timeouts (Blinking Red CPU LED) during unusual CPU clock update

#### Bug fixes

- 1) Increment Hour quickly causes panel to lockup
- 2) Starting Simulator (EA-Run.exe) when existing Simulator is running with Numeric Entry Keypad open causes simulator exception error
- 3) Browse Ethernet Connection: When pressing CTRL key and "Browse Network" button, software should use IP address of current Network Interface selected
- 4) Grouped Object is sometimes identified incorrectly in the Object Layer List
- 5) System Reserved Name can be used to identify elements within the C-more project.
- 6) Numeric Entry Keypad Preview - Always shows Integer Keypad
- 7) Embedded Tag is replaced importing project data to a project that already contains the embedded tag.
- 8) When opening a very large epp (EA7) file, EA9 tool crashes.
- 9) When transferring a project to External Memory Device, Project Panel Type uses EA7 name
- 10) The boxes for Min, Max are blank on numeric entry popup keypad.(including the text)
- 11) Email Body was 400 characters. In 6.x it is limited to 256 characters
- 12) Dynamic Text object- A Discrete Trigger tag configured to show text when OFF doesn't work properly
- 13) csv filenames no longer allow the dot character
- 14) Tag names beginning with "SYS" (no space) are not allowed in ver 6.0, 6.10 and 6.11
- 15) Large Keypads at VGA resolution don't display properly
- 16) Beep behavior is different between EA7 and EA9
- 17) When writing large amounts of Log data, a Memory Leak happens in the MRAM.
- 18) Alarm continues to display in Alarm Banner even when associated bit in Event Manager is disabled
- 19) User Defined Keypads do not resize when panel size is changed in the software, and the project will cause the panel to lockup.
- 20) Remote Access: Remote Connection field IP address (%IP2%) does not show up in Web Server 21)  
Rollback changes made to buffer code for Remote Access

### **5/27/2015 Version 6.12**

Bug fixes

- 1) If a project is read from a panel into version 6.0, 6.1 or 6.11 software AND the event manager includes NO Tag type events, the events are disabled in the version 6.0, 6.1 or 6.11 project.

### **5/14/2015 Version 6.11**

Bug fixes

- 1) File->Import->Tag Name Database initializes DataCount wrong when using CLICK .csv export as input File.

## Multi 4/8/2015 Version 6.10

### Bug fixes

- 1) Multi-State Bitmap/Text objects do not appear to work with BCD
- 2) Event Trigger Tag using Floating Point Data type in ver 5.12 is not compatible with ver 6.0 3)  
Popup Window Frame configured with hide setting causes screen update issues.
- 4) Numeric Entry does not allow Allen Bradley DF1 T4:0.PRE data type 5)  
Omron - Cannot Create Discrete Tags using Bits with Datatypes A, H, IO, W 6)  
Siemens S7-200 (Serial:PPI), Memory Type in Ascii String isn't indicated.
- 7) Keypad for floating point Numeric Entry objects is incorrect
- 8) When one character of embedded tag is erased, an error is displayed.
- 9) For ECOM driver, Fill Down in the Tag Name Database for Floating PT32 is one step instead of two steps.
- 10) Corrects a display problem with Print Preview
- 11) Hover over Tag names in Dialogs does not show PLC Address
- 12) Do-more Ethernet, mixed Memory Type and Flag in the Tag name Database
- 13) Fixes an error in Bit range of I and O Memory Type for Allen Bradley drivers.
- 14) Typo in Print window
- 15) Undo buffer is Not initialized after Project conversion
- 16) Only 1 Recipe sheet is imported when importing project data
- 17) In the Object Layer List, when a child element of a group is selected, focus moves to the head of the group.
- 18) Screen Name (Screen -> Detail) is sorted on uppercase and lowercase.
- 19) When switching quickly between Object tab and Library tab, the Object List doesn't display properly.
- 20) In the Object Layer List, when Ungroup is selected on one tab, the group status isn't updated on other tabs.
- 21) Panel (Event Manager and/or screen) requests wrong start address for block read.

## 3/25/2015 Version 6.00

### Improvements

Version 6.0 introduces a fresh new look including the following improvements and new features:

- 1) Math action in Event Manager
- 2) Tag Combination event types in Event Manager 3) Call Recipe sheet improvements include:
  - a. Recipe Name column is now editable on the panel
  - b. New runtime options are configurable to be available to the Operator from the C-more panel
    - i. Add or delete recipes
    - ii. Read recipe values from the PLC
- 4) New Alarm List object replaces the Alarm Message object
  - a. New Alarm List Object allows for custom Alarm List, Alarm History, and Alarm Count views.
  - b. Alarm status can be color coded to help operators quickly interpret the status for each alarm.
  - c. Active and Confirmation icons also help operators interpret the status of alarms.
  - d. Sorting alarms on the panel based on column header is now possible
- 5) New powerful database filter tool to help edit project databases
- 6) New Object Layer Tool allows you to lock/unlock, hide/unhide objects or quickly select them for editing
  - a. The Object Layer List also allows you to access individual objects in a group without ungrouping and has additional lists for hidden, locked or overlapping objects Bug Fix 7) Improved handling messages from Hydravision Desktop Manager, Catalyst Control Center.

## **10/7/2014 Version 5.12**

### Bug fixes

- 22) C-more Software crashing or other apparent instabilities, USB Communication Issues and Ethernet Communication issue
- 23) Animation Bitmap and Static Bitmap - Bitmap with a Size = 0 does not work.
- 24) Clock Source - Selecting the External Clock Source always gives a warning that not all tags are configured even though the tags are configured.
- 25) Import Project Data - EA7 file types were not in the file type list.
- 26) User Defined Keypad - When the same user defined keypad is used for password entry and number entry, the value doesn't display in the keypad
- 27) The Object Label doesn't display as the Keypad Label
- 28) Symbol Factory – “Borland” bitmaps from Icons and Bitmaps section cannot be selected from objects that use in Symbol factory
- 29) AB L5K Import - The software will abruptly exit when importing an L5K file that contains tags that are named the same as an Add On Instruction

- 30) Bitmaps and Auto Save - Bitmap objects do not draw properly after an AutoSave has occurred. Transparency portions of objects become opaque.
- 31) Multistate Bitmap - Transparency turning off on panel after two hours running.
- 32) Remote Access – The Remote Device Screen is not updated when a Popup Window Frame object or Message Box (Event Manager) is closed even though it closes on the panel.
- 33) Popup Window - Clock Object does not update when modal Popup Window is open.
- 34) Firmware update may result in the panel displaying the Checksum error. The error message indicates the battery may have failed (leftover from EA7) but in this case, it has nothing to do with the capacitor that replaces the battery in EA9. Power cycle resolves this error in ver 5.00.
- 35) [Safemode] If firmware transfer is interrupted, the panel may fail to SafeMode and then white screen
- 36) Line - Dotted lines appear corrupted in the simulator and when downloaded to the panel
- 37) Project Transfer - Project can be written to panel with SD card installed that has insufficient capacity causing the Panel to crash.
- 38) Alarm History - When Alarm History object is used on a Background Screen, Alarm Clear with the PLC to Panel tags requires an extra step.

**3/12/2014**

Original Release C-more Programming Software for Series EA9 touch panels Ver. 5.0

### **Part 5: Known Issues**

The following is a list of known issues.

- 1) Tags used in a Recipe sheet cannot be renamed.

### **Part 6: Documentation Changes**

We request that you contact us with any corrections, enhancements, changes that you would like to see in the documentation via fax (1-770-886-3199) or inquiry at <http://support.automationdirect.com/techinquiry.html>.

Check the online Help files and our web site at [www.automationdirect.com/support](http://www.automationdirect.com/support) for updated and new information.

### **Part 7: Help File Changes**

We request that you contact us with any corrections, enhancements, changes that you would like to see in the documentation via fax (1-770-886-3199) or inquiry at <http://support.automationdirect.com/techinquiry.html>

Please always check the online Help files and our web site at [www.automationdirect.com/support](http://www.automationdirect.com/support) for updated and new information.

## **Part 8: Object Library**

C-more Programming Software includes Object Libraries which contain examples for your project. Please take the time to review these samples to get a feel for the types of objects which C-more Programming Software uses. You can also register your Object Library to the User Object Library by selecting Tool > Object Library from the menu.

## **Part 9: Reporting Problems**

Find a Problem?

Please check the version of your Windows. C-more Programming Software supports the following Windows Operating systems (Windows 8/Windows 7/Vista/XP Pro)

Please report any problems to AutomationDirect via <http://support.automationdirect.com/techinquiry.html> or by calling 1-770-844-4200.

## **Part 10: Uninstalling C-more Programming Software**

Before Starting: Backup Data

If you have saved projects that you feel are important to you, then you will need to make a backup of these files. Please backup your files such as Project files and Library files before uninstalling.

Before Starting: Remove USB Cable

If the C-more Panel is connected to the PC USB port, then the USB driver will be active. Please remove USB Cable between your PC and C-more before uninstalling.

## **Part 11: Contact Technical Support**

Telephone: 1-770-844-4200

Our technical support hours are from 9am to 6pm Eastern Standard Time Monday through Friday.

Fax: 1-770-886-3199

Technical Support Inquiry <http://support.automationdirect.com/techinquiry.html>

To ask other customers questions or to share your ideas with other customers visit the: AutomationDirect Customer Forum <http://forum1.automationdirect.com/>

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