C-more’s mission is to make you feel like a touch panel configuration expert. So we put in many tools to make your job go faster and more efficiently. Even simple things, such as object configuration boxes, have improved. We think you’ll be able to do more with C-more in even less time!

- **Scrolling object selection window** lets you find the object you want fast. Just drag and drop it on the screen.
- **Scrolling parts list** shows variations of the objects selected above. Just drag and drop on the screen.

**Database Import & Export saves you time**
The Import and Export tools allow you to quickly exchange database files between C-more projects, or PLC tagnames files. With just a few clicks of the mouse, you can create a .csv or.xls file. This greatly reduces the time needed to create a new database, especially when there are hundreds, or thousands of data points to work with.

**Import or Export**
- Tagnames
- Messages
- E-mail Addresses
- Languages
- Events
- Project Files
- Screen Library
- Graphics Library
- Object Library
- Sound Library
- Recipe Sheets

**Importing PLC tags is easy**
With supported PLC databases, simply export the PLC tagnames and use the C-more import tool to select the .csv or.xls file.

**Powerful Database Tools**
Customize your searches
Easily edit C-more’s databases with the latest software tools. Create, import, export and search for tags and other data types with a click of a button. Powerful search filters allow for custom search terms based on various options.

- **Tagname Database**
- **Message Database**
- **Event Manager Database**
- **Address Book**

**Customize and save your own search terms for those most used items.**
**Device type filters** allow you to reduce the view to just the device tags you want to find or edit.

**Data type filters** allow you to reduce the view to just the specific tag data types you want to find or edit.

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The "one click" built-in simulator is one of C-more’s most powerful features. You will find yourself using this feature every couple of minutes while developing your project. Using this intuitive simulator will result in a better looking and more effective project completed in less time.

The simulator allows you to fully simulate your entire project (every object, every screen) while it is being developed, without being connected to a PLC/PAC. Simply click on the “Simulate Project” button at any stage of project development. A window will appear over your development screen that contains a pixel-for-pixel representation of how your project will appear on your physical screen. A simulation control window will also appear.

Now the fun begins. Simply click your mouse on any simulated screen object and it will behave as if your finger is actually touching the screen. For example, clicking on a pushbutton object will activate and deactivate it as if an operator were touching it! The same will be true for thumbwheels, slider switches, (simply hold your mouse button down and slide), selector switches, toggle switches and so forth. Want to see how an analog meter moves based on dynamic data from the PLC/PAC? Simply move your mouse to the “Simulation control window” of the simulator, move to the tag and click on the data you wish to change. Now type in the value that you want to simulate, and watch your meter move on the simulated screen.

And here’s the really cool thing - whatever values you modify during simulation, the effect will be propagated throughout your entire project, object by object, screen by screen. That’s because this is a true “project simulator”.

To stop the simulation, just click on your project development screen and you’re back to project configuration. You can go back and forth in a flash. It’s that easy!

For objects tied to bit or analog data, change actual values here in the tag list, then verify the correct behavior on the screen. You can also change input data on the simulated screen and see the value change in the tag list.

User Libraries and Project Migration

User libraries allow you to re-use your work again and again

C-more provides three user libraries that allow you to efficiently re-use your work throughout your project or for other projects in the future. You can store a custom object, such as your company logo or a group of objects that compose a custom object (see the tank with cut-away and bar graph below). You can also store entire screens, graphics and sound bites. You can access your libraries at any time and re-use your work by merely clicking on the saved item and dragging it from the library into your project. You can even import and export library items to share with other designers.

User libraries allow you to re-use your work again and again

Check out our online library at: c-more.automationdirect.com/support_tools/library.html

User Libraries and Project Migration

Change your project screen size with a click of your mouse

Imagine developing your project for a 10-inch panel and then deciding to change the size to a 15-inch panel or an 8-inch panel. In the past, you most likely had to recreate your entire project and reconfigure every object, tag and screen.

With C-more, your project can be automatically converted for a different screen size with a click of the mouse. Of course, you may wish to move things around a little since you have a different screen size. This feature is great for OEMs or integrators that may be installing different configurations of the same machine or process.
**Powerful Event Manager Triggers**

**Alarms and Actions**

Fill-in-the-blank Event Manager saves time, PLC/PAC programming and memory

C-more provides a powerful yet easy-to-use Event Manager which takes exception handling (including alarms) and scheduling to the next level. The simple fill-in-the-blank manager allows events to automatically trigger several actions without the need for hours of PLC/PAC programming.

On the Event Manager screen, create an event, enter the required data, and select multiple actions. It's that easy!

The Event Manager screen includes:

- Tag status or value
- A combination of tag status or values
- Date or time
- A screen change

The Possible Actions include:

- Create an alarm
- Play a sound
- Write values to tags
- Copy tag values
- Send e-mails (with embedded tag data)
- Force screen changes
- Capture screen image
- Pop-up messages (with embedded tag data)
- Send files via FTP
- Carry out math formulas

Tag Combinations allow for simple logic with multiple events

Combine up to four different tags into simple logic events that will trigger actions.

Math Actions add more power to your project

Create a custom formula or use the Math Keypad to create formulas with Constants or even Tag Values. The result is placed into a User Defined Tag.

1234 + \text{SIN}(<\text{TAG}> + \pi(123)) + \log_{10}

Numbers in Black
- Tags in Blue
- Calculations and Functions in Green
- Errors in Red

**Convenient Recipe & Alarm Functions**

More flexible recipes reduce programming effort

Recipes make it easy to make large numbers of tag changes with the push of a single button. C-more provides tremendous flexibility and capacity to applications that require multiple recipes. It has a simple recipe button that supports 99 recipe sheets, each with 1000 recipes of 256 possible tags or values. C-more recipe values can be modified and saved on the fly by the operator while the machine is running.

Spreadsheet-based Recipe Creation

- New Recipe Database
- 99 recipe sheets
- 1000 recipes per recipe sheet
- 256 possible tags or values
- Load recipe data directly to PLC registers
- Operator editing of recipes while running

**Alarm List Object offers detailed alarm management for operators**

Alarms are used to notify operators of critical situations that may arise during a process. The Alarm List Object allows operator interaction with alarms that have occurred and allows operators to view, confirm or clear the alarms. Alarms can include specific messages with embedded PLC tag data as well as, date and time information for the alarm status. Alarm status can be color coded to help operators quickly interpret the status for each alarm.

Icons help to see alarm states

Color code the alarm status

The Alarm List Object allows alarm details to be displayed and logged for future reference

The Alarm List Object can be filtered to show alarms based on status.

For the latest prices, please check AutomationDirect.com.
Trends, Logging and Control Options

C-more’s trend graph supports 16 pens, selectable to be hidden or shown by the operator. Show only the trends you wish to see, when you wish to see them. In addition, the full featured C-more units support data logging to SD cards or USB memory devices. Gigabytes of trend data can be stored, limited only by you. The information can also be sent from C-more to your PC over the Internet, triggered by an event. C-more also has the standard PID faceplate and an enhanced version which shows trend data of the setpoint process variable and control variable.

Font and Animation

Built-in fonts

C-more has 14 different fonts for objects such as pushbuttons, indicators, meters and so on. These fonts are used for object-integrated labels and ON/OFF phrases for each of C-more’s standard objects. Each font can be bolded, italicized and underlined. Fonts can be scaled to hundreds of sizes, giving you extreme flexibility.

Built-in animation makes the process come to life

Virtually any bitmap object (from your PC hard drive, the built-in 4,000 symbol library, custom-drawn, etc.) can be animated to follow a straight line or a scribbled path. In addition, the object can change size or orientation (rotation).

5 types of animation (any combination)

• Straight line... X or Y
• Scribbled path with up to 64 points
• Rotational
• Change size
• Multi-State Bitmap

Benefit:

Animations of machine motion and factory processes enhance comprehension, and give operators a visual representation of the desired motion of products, and machinery on screen.
Wide Array of Objects and Customized Parts

Here are just a few of the more than 50 types of objects in the standard Object List:

**Pushbuttons**

- **PUSHBUTTON**
  - OFF
  - On
  - OFF

**Indicator Lights**

- **INDICATOR LIGHT**
  - OFF
  - On
  - OFF

**Analog Meters**

- **Bar/Circle Meter**
  - Range: 0 to 100

**Switches**

- **Slider Switch**

**Tri-State Switch**

- **On**
- **Off**
- **Off**

**Thumbwheel**

- Numbers: 1, 2, 3, 4

**Dynamic Bitmap**

**Set Language**

**Bitmap Text**

**Custom Object Assembled from 12 parts**

Create custom objects

- Use a combination of C-more objects and parts to create your own objects, or even entire sections of screens.

Over 4000 industrial graphics with Symbol Factory

- Select from 80 different categories offering vector graphics that can be scaled up and down in size without loss in image quality. Free Cutaway Control is also included for doing tank type fills. If that is not enough, you can always use your own bitmap graphics with the same objects.

Hundreds of pre-configured parts

- C-more also provides ready-made “parts” (versions of each default object) that are available to drag and drop into your project. Select any object to see preconfigured parts in the Parts List. Select the one that most closely matches your needs - and customize it even further, if you like. Then save it in the user library for future use.

Personalize your screens

- Object Format options make customizing your screen objects simple. Select the colors, frames, and background effects with just a few clicks of the mouse.

- Choose from the default color templates or create and save your own templates to use as often as you like.

- Backgrounds for many objects support gradient fill effects that make them stand out.

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C-more HMI with Ethernet capabilities can be programmed via the built-in Ethernet port (the EA9-T6CL-R model does not support Ethernet). Connect directly from a PC to the C-more HMI, or connect one or more C-more HMIs to your plant network (via switches and routers). With C-more on the plant network, you can download projects from any connected PC. Use the network connection to upload alarm history, PLC/PAC log data or screen captures to a connected PC. C-more can send e-mail, based on events or PLC/PAC alarm conditions (if connected to a network and an SMTP (Simple Mail Transport Protocol) server).

Use SD memory cards or a USB flash drive to transfer projects to your HMI without having to connect the HMI to a PC. Perfect for updating remote C-more EA9 series interfaces, simply transfer the project to the SD memory card or the Pen Drive, take or send the flash device to the remote location, plug it into the HMI and transfer the project. This is also a convenient backup of your project, or for when a damaged HMI must be replaced. Send project updates to users who might not even have the programming software. Projects can be transferred onto the flash device, and restored to the HMI.

For convenient programming, use a standard USB cable between your C-more HMI and your PC. No baud-rate, parity, or stop bit settings to waste your time. USB is fast; most projects download in seconds. Don’t pay inflated prices for proprietary programming cables! USB cables are inexpensive (we sell ‘em!) and are readily available so you won’t waste time looking for a special cable when your million-dollar operation is down.

Lots of memory for your project
C-more EA9 series interfaces start with a minimum of 26 MB of user project space on the 6-inch through 10-inch units, while the headless EA9-RHMI offers 43 MB and the 12-inch and 15-inch units supply 82 MB for project memory.

How about data storage? Many comparably priced touch panels offer no memory options or they support only proprietary memory cards. With C-more, all EA9 series models have a USB Port-A connector, and one SD card slot (12 and 15-inch panels include two SD card slots). This allows memory for data logging, screen captures, message logging and alarm logging.

Benefits:
• No PC required
• Saves you from traveling to job site, which saves you money
• Allows the end user to safely load the project without the C-more programming software

Updates using USB or SD Memory Devices
Update your HMI without a PC
Use SD memory cards or a USB flash drive to transfer projects to your HMI without having to connect the HMI to a PC. Perfect for updating remote C-more EA9 series interfaces, simply transfer the project to the SD memory card or the Pen Drive, take or send the flash device to the remote location, plug it into the HMI and transfer the project. This is also a convenient backup of your project, or for when a damaged HMI must be replaced. Send project updates to users who might not even have the programming software. Projects can be transferred onto the flash device, and restored to the HMI.

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Remote HMI Options...

Touch your HMI from anywhere with Remote Access and Control!

- No additional hardware required.
- The C-more Remote Access feature resides in all HMIs with Ethernet support, and requires no option modules.
- Access real-time data or initiate an action on a control system from anywhere, any time.

C-more from your PC
With a Web browser on any PC, remote users can operate and monitor a local C-more HMI system from anywhere on the Internet or on a local network.

C-more from your Mobile Device
Mobile users can download the FREE C-more Remote HMI app from the Apple iTunes store, Google Play, or Amazon App Store, to get remote access and control for Mobile devices.

Authorized users have the ability to remotely:

- Monitor and control screen operations of the C-more as if touching the screen itself.
- Test and troubleshoot the C-more project.
- View, zoom, print and save screen captures of active screens.

Convenient yet secure
Multilevel Logon Security
Three Remote Access user accounts can be configured and stored in the project. Each account allows up to five remote users to be connected simultaneously.

Multilevel Access Control
Each account can be configured in one of the following levels of access:

- View Only
- View and allow Screen Change only
- Full Control

FTP Data Transfer
The FTP server (File Transfer Protocol) allows transfer of data files between C-more and any connected FTP compatible device (usually a PC). Your HMI can collect data and pass it to the PC on your desk, or to your corporate headquarters.

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- Test and troubleshoot the C-more project.
- View, zoom, print and save screen captures of active screens.

Resizable Window
Unlike many other remote access software brands, the C-more remote viewer is completely sizable. When the user shrinks or expands the browser window, the projects objects will rescale accordingly.

E-mail
Use the Event Manager to send e-mail periodically or when certain Alarms or Events occur. You can even attach log files to the e-mail message. Operators can even key in a message and then press "Send". C-more supports SSL and tag based storage of e-mail address so that operators can update e-mail addresses without the programmer’s support.

C-more and hear more!
C-more can play warning sounds and other .wav files via an external amplifier and loudspeakers (user supplied). Use sirens, buzzers or beeping sounds to draw attention to alarm conditions. Even pre-recorded verbal messages can be triggered to speak to your operators in various languages.

HDMI Video Output
Connect your HDMI TV or monitor to the C-more HDMI video output to display your screens in full HD. Mouse support allows any HDMI compatible device to function as a machine interface. (HDMI support only on the headless EA9-RHMI, 12-inch and 15-inch enhanced C-more panels).

www.automationdirect.com/C-more