

C-more Micro Version 2.30 Release Notes

May 28, 2009

Overview

These Release Notes provide instructions for using New Features and Improvements in this release of the C-more Micro Programming Software that have not been incorporated into the Help Files. These will be added to the Help files with the next release of the software. Also check our website at

<http://support.automationdirect.com/products/cmoredmicro.html> for the latest C-more Micro Programming Software release and the latest help file.

For a complete list of **fixed bugs**, please also refer to the readme.txt document included in your installation folder, typically C:\Program Files\AutomationDirect\C-more Micro.

Allen-Bradley data enhancements:

1. Limit C-more Tag data type selection to Allen Bradley PLC memory type according to the chart below:

	Discrete	Signed Int 16	Signed Int 32	Unsigned Int 16	Unsigned Int 32	BCD Int 16	BCD Int 32	Floating Pt 32	ASCII String
O	Allow	Allow	Warning	Allow	Warning	Allow	Allow		Warning
I	Allow	Allow	Warning	Allow	Warning	Allow	Allow		Warning
S	Allow	Allow	Warning	Allow	Warning	Warning	Warning		Warning
B	Allow	Allow	Warning	Allow	Warning	Allow	Allow		Warning
T.EN/TT/DN	Allow								
T.ACC/PRE		Allow	Warning	Allow	Warning	Warning	Warning		Warning
C.DN/CU/CD/OV/UN	Allow								
C.ACC/PRE		Allow	Warning	Allow	Warning	Warning	Warning		Warning
R.EN/DN/EU/EM/ER/UL/IN/FD	Allow								
R.LEN/POS		Allow	Warning	Allow	Warning	Warning	Warning		Warning
N	Allow	Allow	Allow	Allow	Allow	Allow	Allow		Allow
F	Allow	Warning	Warning	Warning	Warning	Warning	Warning	Allow	Warning
L	Allow	Warning	Allow	Warning	Allow	Warning	Warning		Warning
ST									Allow

Allen Bradley data types

	Output (Word (Analog) & Bit (Discrete))
O	Bit (Discrete))
	Input (Word (Analog) & Bit (Discrete))
I	(Discrete))
S	Status Type
B	Bit Data
T	Timer
C	Counter
R	Control Data
N	Integer Data
F	Float Data
L	Long Data
ST	String Data

Timer, Counter and Control Data members

.EN	Enable bit
.TT	Timer Timing bit
.DN	Done bit
.CU	Count Up enable bit
.CD	Count Down enable bit
.OV	Overflow bit
.UN	Underflow bit
.EU	Update enable bit
.EM	Stack empty bit
.ER	Error bit
.UL	Unload bit
.IN	Inhibit bit
.FD	Found bit
.PRE	Preset value
.ACC	Accumulated value
.LEN	Length value
.POS	Position value

- Data type combinations identified with green “Allow” Cells will be allowed.
- Data type combinations identified with grey cells will not be allowed.
- Data type combinations identified with yellow “Warning” cells will be allowed, but if the warning option in Tools – Options... is selected (Figure 1) then the warning message (Figure 2) will ask the programmer to verify that the non-standard data type combination is intended before proceeding to add the tag. If the warning option in Tools – Options... is NOT selected then the tag will be added without the warning message.

Existing tags will not cause the message to display (for example when opening an existing project in version 2.30 or importing an existing tag database)

If the warning option in Tools – Options... is selected and an existing tag identified by the yellow “Warning” cell is edited, the warning message will appear before the revisions are saved.

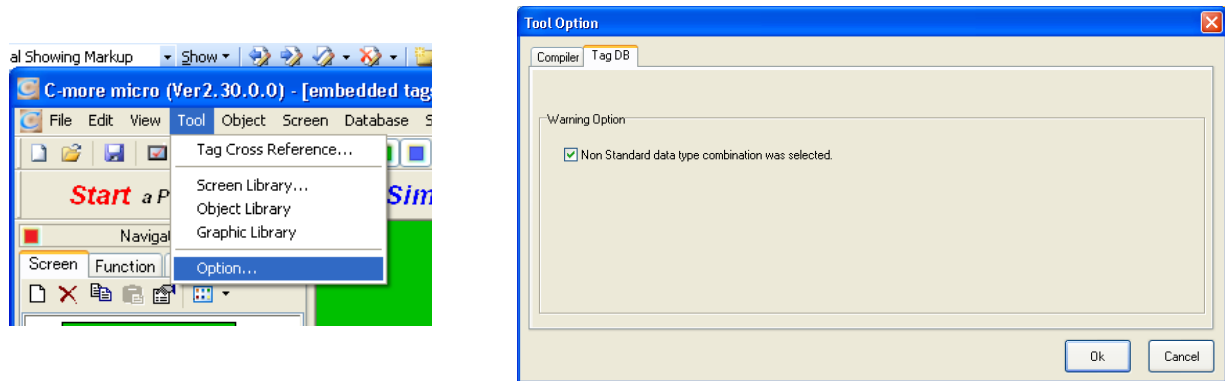


Figure 1

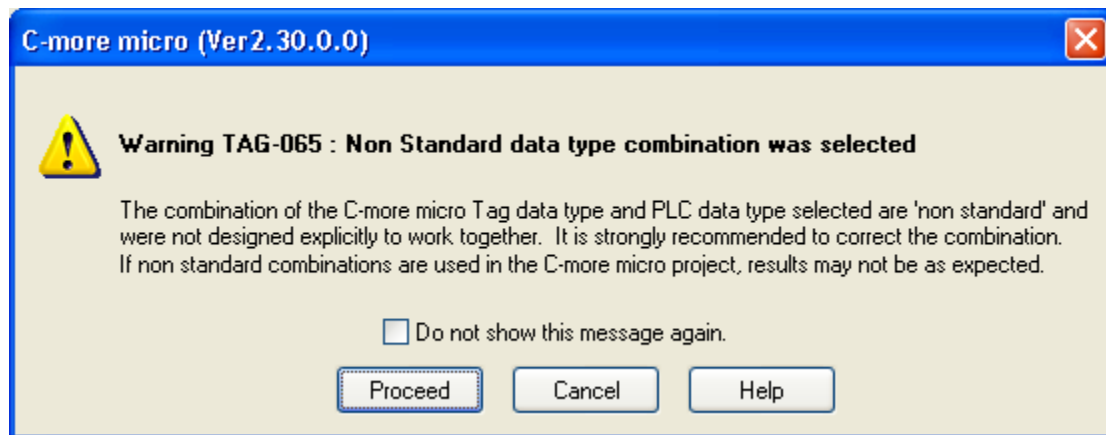


Figure 2

2. Add Long data type, String data type and Allen Bradley CSV import

Long= DF1 Full Duplex (MicroLogix), DF1 Half Duplex & DH-485

String= DF1 Full Duplex (MicroLogix), DF1 Full Duplex (SLC500), DF1 Half Duplex & DH-485

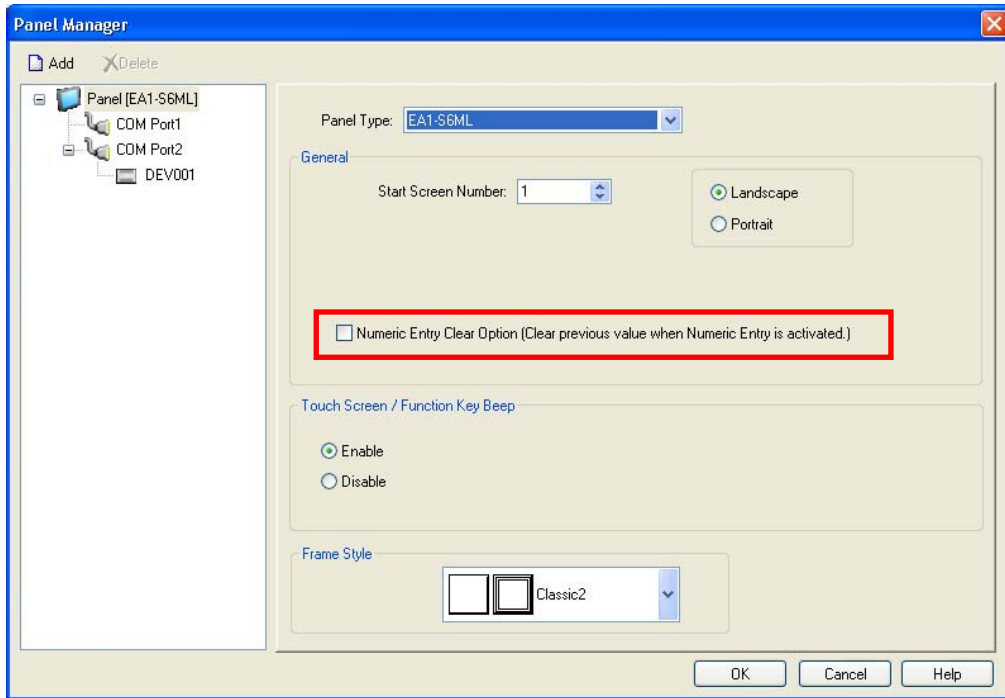
Import AB CSV file= DF1 Full Duplex (MicroLogix), DF1 Full Duplex (SLC500), DF1 Half Duplex & DH-485

3. Corrected Simulation problem: For AB drivers DH485 and DF1, Timer/Counter .ACC/.PRE now work in Simulation on PC

Other Improvements:

Numeric Entry - Add "Clear Entry" selection - that clears the entry field when keypad opens.

Default = deselected



In versions prior to Version 2.30, when the Numeric Entry Object is selected on a panel screen, new values are appended to the existing values unless the "Clear" button is clicked. This facilitates changing values especially when a non-touch panel is used (Numeric Entry object Styles 2 and 3)

It may be preferable to have the previous value in the Numeric Entry Object cleared when the object is selected on a panel screen. When the new checkbox for Numeric Entry Clear Option in the Panel Manager window is checked, the Numeric Entry Object will accomplish this. Note that this behavior is defined for the project. That is, all numeric Entry Objects in a project will behave the same.

Beep

The configuration of the Beep behavior has been improved to clarify the priority of the beep conditions.

The beep may sound in two general circumstances:

- when a function key or a screen object is pressed, or
- to alert a condition: an alarm configured in the panel or triggered from the PLC, or a message configured in the panel (Lookup Text Object)

The beep sounded by a function key or screen object is enabled in one of three places:

- the panel manager screen in the programming software (Figure 3),
- the System Screen on the panel hardware (Figure 4), or
- from the PLC (Figure 5)

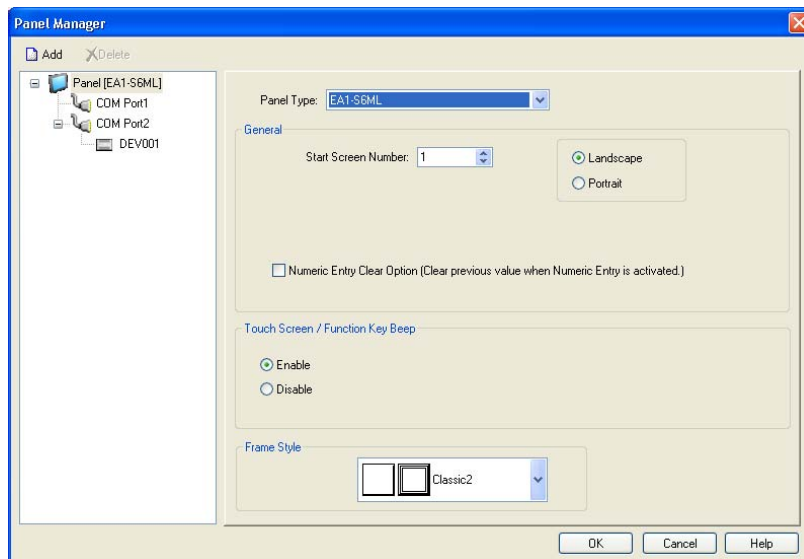


Figure 3

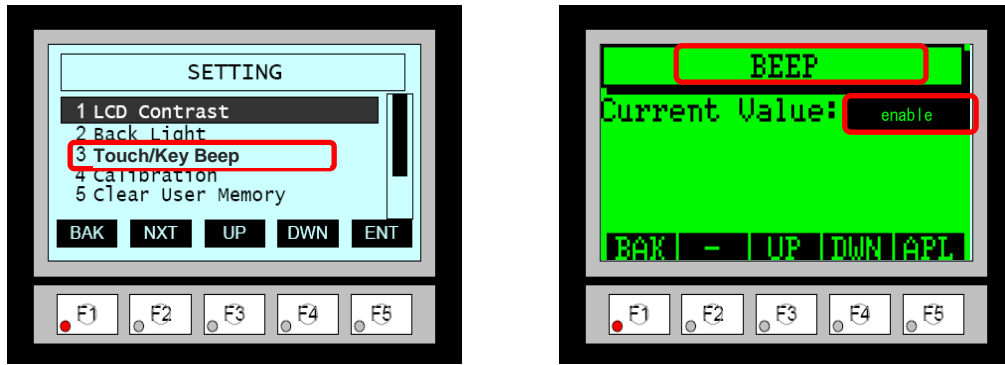


Figure 4

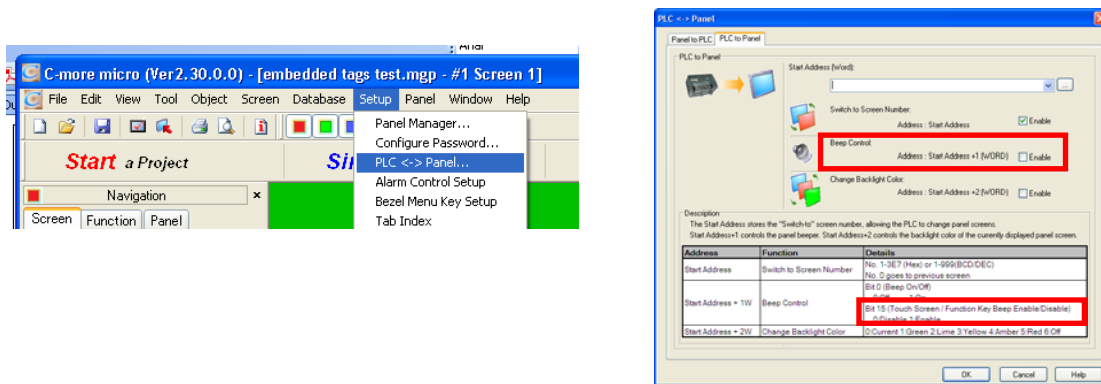


Figure 5

The PLC <-> panel has the highest priority, followed by the Panel Manager setting. The panel setup screen configuration is effective only if no configuration information exists from the other two sources.

The Alert beep may be configured to sound in:

- an Alarm condition (Figure 6),
- a Message (Lookup Text object) (Figure 7) or
- from the PLC (Figure 8)

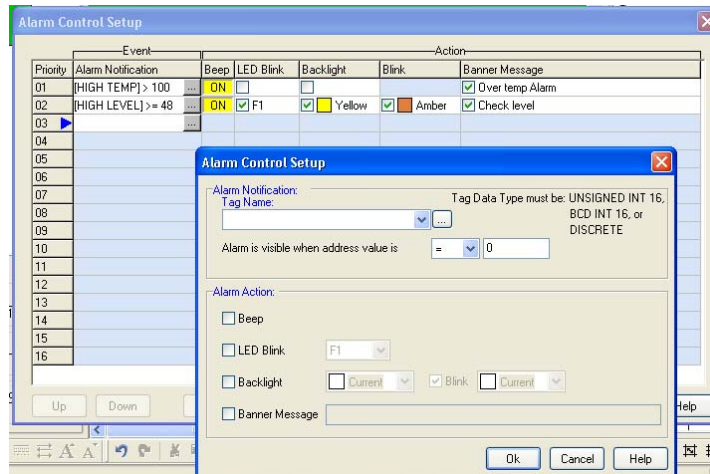


Figure 6

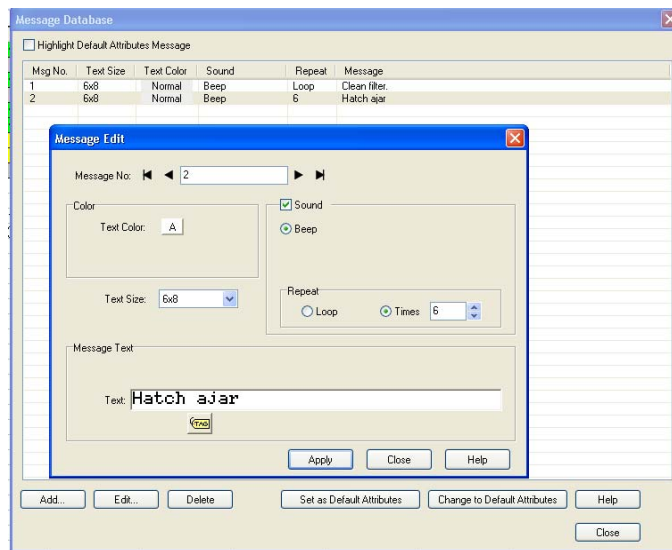


Figure 7

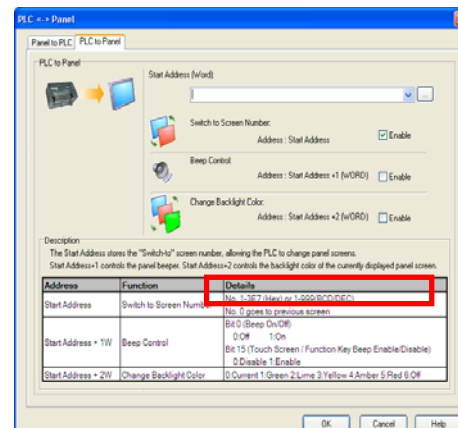
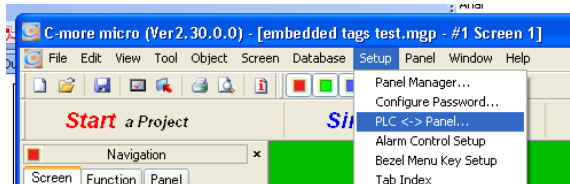


Figure 8

If the Function Key and Screen object beep is enabled, touching a function key or a screen object will silence an alert beep. Otherwise, in the presence of multiple events triggering a beep:

- clearing the PLC bit will silence all alarms
- clearing an alarm or a message will silence the beep only if the PLC bit is not triggering an alarm.