



Cscape 9.0 Release Notes

Cscape 9.0

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Cscape 9.0 Available for Immediate Download

Summary

Horner APG announces the availability of Cscape 9.0 for immediate download from www.heapg.com and www.horner-apg.com. This is a significant new release offering a variety of new features and product improvements.

IMPORTANT INSTALLATION NOTES:

- 1) If you choose to install Cscape 9.0 and retain previous versions of Cscape, you must move the previous versions to new folder(s) prior to installing Cscape 9.0.
- 2) Backup all application files (.csp) prior to using Cscape 9. Once application files are saved in Cscape 9, they can no longer be opened with previous versions of Cscape.
- 3) Horner APG attempts to ensure full upward compatibility for new releases of Cscape. However, prior to deploying any new software package, users should take necessary steps to validate that the new software does not introduce problems in their application.

Who Should Download Cscape 9.0

- Users downloading Cscape for the first time
- Users who wish to program their logic using multiple IEC1131 languages
- Users who wish to utilize the product enhancements listed below

Cscape 9.0 Enhancements – New Firmware is Not Required

- 1) Project-by-project selection between Advanced ladder (traditional Cscape ladder), and full IEC1131 language set. When using full IEC1131 languages, Advanced ladder is replaced by a IEC-compliant ladder editor.
- 2) Addition of Project Toolbox – a new dockable window providing faster and easier access to all instructions and function blocks.
- 3) Addition of Search Window – a new dockable window providing search results. Clicking on an item will jump immediately to that section of code.
- 4) Addition of Error Window – a new dockable window providing error results (programming & syntax errors). Clicking on an item will jump immediately to that section of code.

Cscape 9 Bug Fixes – New Firmware is Not Required

- 1) %D contacts/coils are enabled again for OCS300 based products.
- 2) Remote terminal screen display corrected for NX22x products.
- 3) Fix for allowing baud rate timeout in XLt products.
- 4) Export to Envision RV corrected.
- 5) Update FPGA only for NX now queries for model type.
- 6) Corrections to Model numbers for XL6e and some XLe models.
- 7) Fixes to DeviceNet configuration download. (Removed error and download abort when no nodes were configured).
- 8) XL Profibus and XL I/O module Ranges reporting corrected.
- 9) Several fixes on J1939 following first review.

- 10) Ethernet downloadable protocols enabled on QX351.

Cscape 9 Enhancements – [Firmware 12.60 or later is Required](#)

- 1) Support for Recipes. Recipes are supported for logic blocks (load and save), and graphic objects (load, save, edit and view). **XLe, XLt, XL6/XL6e, QX, and NX**
- 2) Addition of Report Editor. Report printing is available either from a serial port, from the Centronics interface (QX451, QX551, QX651 only), and to the Removable Memory as a text file. Reports may consist of both text and embedded real-time data. **XLe, XLt, XL6/XL6e, QX, and NX**
- 3) USB FLASH drive support for OCS units with USB A ports. The Removable Memory ladder functions have been enhanced to support USB drives as a “B:” drive when present. The “Copy” and “Delete” functions have also been enhanced to allow easy transfer of files between the internal microSD (or CompactFLASH) and the USB drive. Files can be transferred back and forth, and then automatically deleted from the source drive if desired. **XL6/XL6e, QX351 and QX751**
- 4) Addition of E-mail Support. E-mails may now be composed and sent by any OCS unit with factory installed Ethernet. SMTP (Simple Mail Transport Protocol) is the method used for sending e-mail.
- 5) External Protocol Data in Graphics Objects. When specifying the data source for a graphics object, a non-OCS native reference (register) may be specified. The alternate source may be data read/written using a downloadable protocol (e.g. Modbus/RTU, DF1, Modbus/TCP). **XLe, XLt, XL6/XL6e, QX, and NX**
- 6) Data Logging Enhancement. Datalog groups up to 30 variables may be supported, with the total number of variables per project remaining at 100. **XLe, XLt, XL6/XL6e, QX, and NX**
- 7) Support for legacy OCS300/350/451/551/651 addressing scheme for QX product line. The legacy Color OCS & SVGA OCS series mapped %I1, %Q1, %A11, %AQ1 to the first FOX base. The newer QX/NX product lines, by default, map those same references to the I/O stacked directly on the back. A checkbox has been added to Cscape 9 allowing the addressing scheme of the older products to be used on the newer QX/NX. This removes any remapping requirements for users upgrading a project from one of the older products to the newer QX/NX product line. **QX and NX**
- 8) Alarm logging to Removable Media. Cscape 9 now supports periodic logging of alarm history to the removable memory drive, either daily, weekly, monthly, or yearly. **XLe, XLt, XL6/XL6e, QX, and NX**
- 9) Support for MJ2 as a programming port. On XL family products, MJ2 may now be configured as the local serial-based programming port from the system menu. **XLe, XLt, XL6/XL6e**
- 10) Addition of Serial Number system register. %SR35-36 now holds a unique serial number for the newer OCS family controllers. For units with a factory installed Ethernet port, this serial number is equal to its MAC ID. **FOR NON-ETHERNET OCS UNITS UPGRADED IN THE FIELD TO FIRMWARE VERSION 12.6, A NON-UNIQUE SERIAL NUMBER OF “0” WILL LIKELY BE PRESENT.** Contact the factory for special instructions on field-inserting a unique serial number in these units. **XLe, XLt, XL6/XL6e, QX, and NX**
- 11) Access to the free running timer through a system register. %SR149-150 now holds the current value of the OCS free running timer. The free running timer is an accumulator which increments in 0.1mS steps, and is updated at the beginning of each logic scan. This can be useful for calculating elapsed time, etc. **XLe, XLt, XL6/XL6e, QX, and NX**

Cscape 9 Known Issues

- 1) The IEC languages do not support CANopen, Recipes, or GPRS function blocks. [Workaround – none. Updated DLLs will be released in the near future to address these limitations.](#)
- 2) Right-clicking a program in the project navigator and selecting “Close” occasionally causes a lock-up or crash. [Workaround – close the program from the file menu.](#)
- 3) Upload very rarely causes a lock-up on some systems. [Workaround – always perform a save on all unsaved programs prior to executing an upload.](#)
- 4) Uploading graphics from Menus does not retrieve any sub-menu information. [Workaround – none. All submenu information must be re-entered following an upload.](#)

Chuck Ridgeway
Product Manager - OCS
E-mail: chuck.ridgeway@heapg.com