



OCS Training Workshop Lab 24

**Updating OCS Firmware and updating Cscope
programming software.**

Lab 24: Updating Firmware and updating Cscape software

Introduction

Objective:

The objective of this lab is to give you the knowledge to update the firmware of an OCS device when appropriate

This lab is also used to show you how to update the Cscape programming software when updates become available.

Overview:

New firmware becomes available for OCS hardware a few times in a year. This is to enable our controller hardware with new/upcoming features etc. Firmware is also available for converting OCS hardware to use different fieldbus options such as CANopen, J1939 and DeviceNet Master.

Purchased units come with the latest CsCAN firmware loaded as standard (unless one of the fieldbus types listed above is specifically requested). New firmware releases are made available for download from the website for free. J1939 and DeviceNet Master firmware cannot be updated in the field. It needs to be factory loaded.

Cscape programming software also gets regular updates.

In this lab we are going to update an XLt with CANopen firmware. We are also going to show you how to update the Cscape software platform.

Requirements:

- *XLt, initially with CsCAN firmware loaded.*
- *CANopen firmware file (downloaded from website).*
- *Internet access.*

Firmware Update Procedure

Step 1

Connecting the OCS to Cscape

Connect the OCS to Cscape and ensure you have communications between the software and the device (you can only update firmware through a serial connection to MJ1 serial port). After downloading the CANopen firmware from www.horner-apg.com you must copy the files into the Firmware folder in the directory where the Cscape software has been installed on your PC/Laptop. Usually in C:/Program Files/Cscape/Firmware.

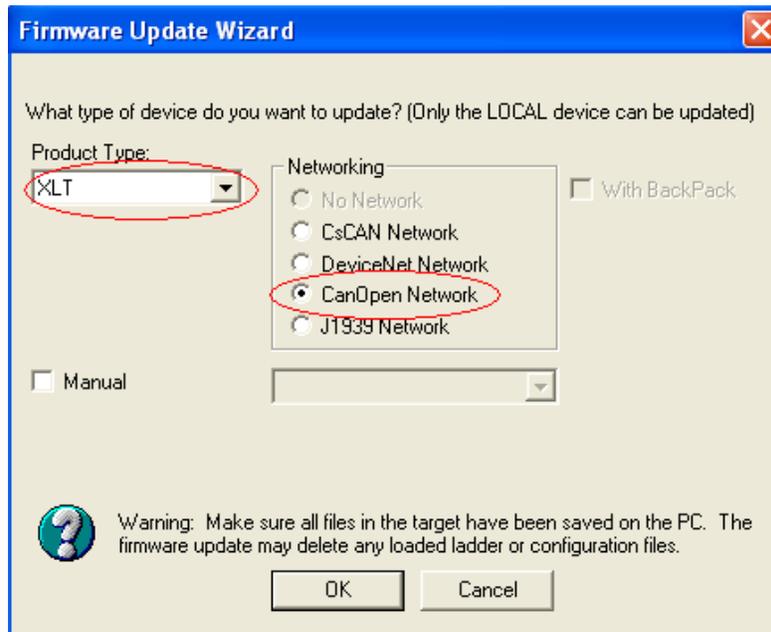
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Step 2

Updating the firmware using 'Firmware Update Wizard'

In Cscape, click **FILE** and scroll to **Firmware Update Wizard**. In the pop-up menu XLT should appear as the product type to update. If it does not, select the appropriate device from the drop down menu. In the **Networking** area, select CANopen. Then click OK. You will be prompted via a pop-up window asking if you are sure you would like to update the firmware, just say OK to this message. A progress bar appears and when the update is finished the OCS will power cycle and it is ready for programming/use again.

Note: Updating firmware deletes all program/configuration of the OCS so please make a back-up of any program/configuration you have in the device.



Cscape Software Update Procedure

Step 1

Updating Cscape programming software

Open Cscape and click **HELP** and scroll to **Check For Updates**. You will get a prompt message asking you to close any open program (and to save them) before performing the update. Then click OK.

Make sure your internet access is working, if it is Cscape will search for any available updates and it will download them.

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When complete, a list of updates installed will appear in a word processing document. Save this document if you wish for future references.

***Note: Cscope is not enabled for automatic updates. It still requires the user to go to the help file and manually select the 'check for update' option.

End of LAB 24