This document describes how to update ILX34's to firmware version 3.5.0.

Requirements

To do update the firmware on an ILX34, you need:

- The firmware release package, *ControlFLASHv305.zip*.
- A PC running 32-bit Windows XP. XP virtual machine environments and other Windows versions (e.g. Vista, Windows 7) will *not* work.
- An ILX34.
- An Ethernet cable and network connection from your ILX34 to your PC.

If your PC currently has any version of *ControlFLASH* installed, click on the ControlFLASH.msi file provided with the firmware release, and proceed to the section ***Flash Programming the ILX34*** below.

If your PC doesn not have any version of ControlFLASH installed, you will also need:

- Rockwell's *Connected Components Workshop* package, which can be found here: K:\Development Division\Software\Rockwell Connected Components Workbench

If you do not have access to the above shared folder, you can download the software from Rockwell here:

http://ab.rockwellautomation.com/Programmable-Controllers/Connected-Components-Workbench-Software

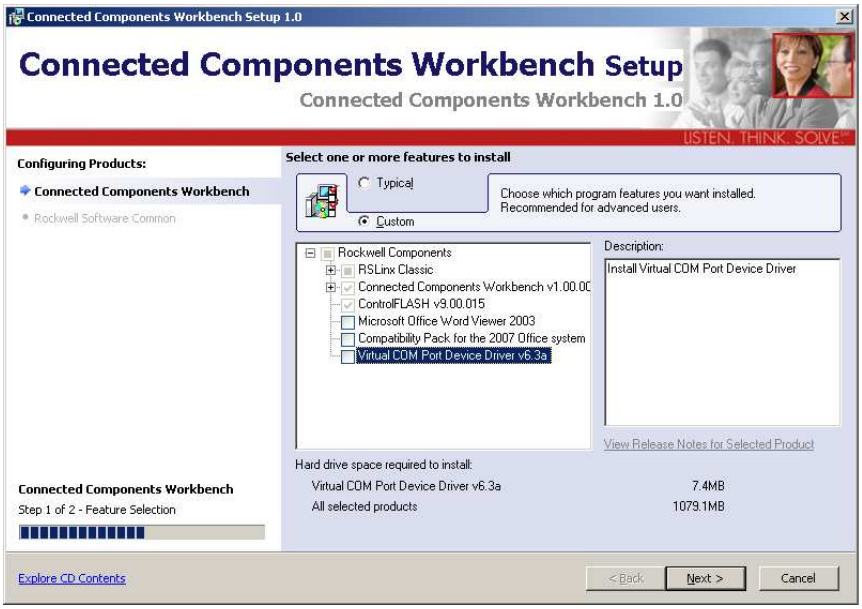
(You will need to setup a free account to gain access).

Installing the *Connected Components Workshop* package

Expand the *Connected Components Workshop* zip file.

After expansion, go to the *System* folder, then the *ControlFLASH* folder. Rename *ControlFLASH* to something else (e.g. *XControlFLASH*). This will prevent installation of an obsolete version of *ControlFLASH* that will interfere with a newer version we will install later.

Run *CCWSetup*, select your language, and click *Continue*. You should see a screen like this:



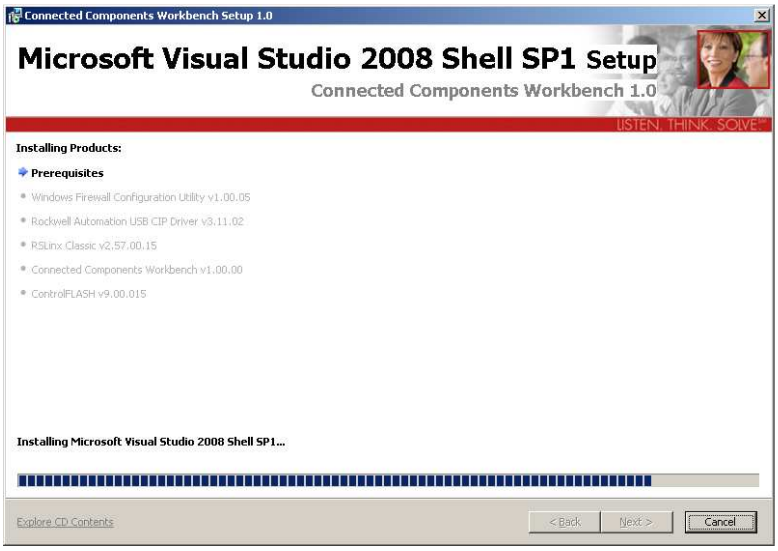
Select the *Custom* radio button as shown above.

As shown above, deselect *Microsoft Office Word Viewer 2003*, *Compatibility Pack for the 2007 Office system*, and *Virtual COM Port Device Driver v6.3a*. Click *Next>*.

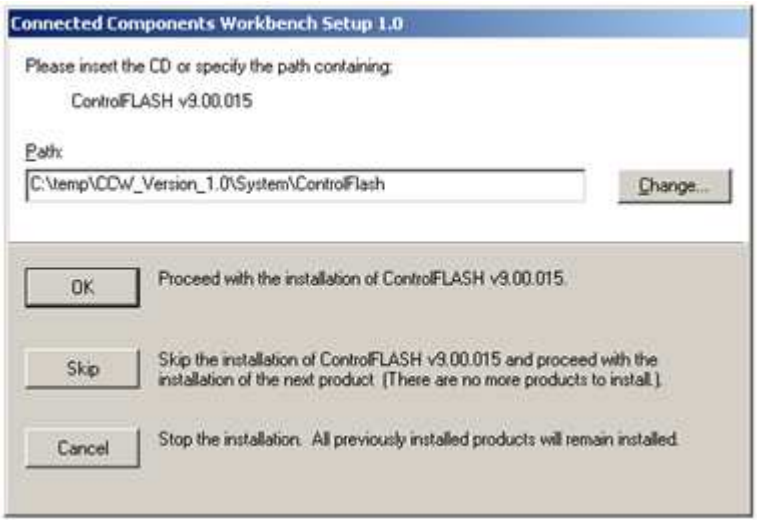
In the following screen, enter your user name and company, then click *Next*.

Accept the license agreement in the next screen and click *Next*.

In the next screen, click *Install*. Installation will start and you will see some progress screens like the following:



When the system tries to install *ControlFLASH v9.00.015*, it will display this dialog:



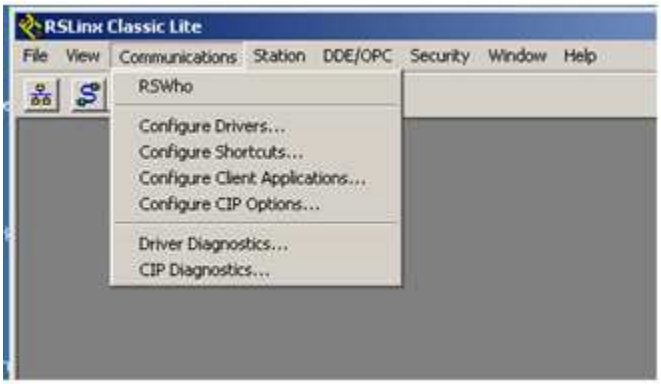
Click *Skip*. You should see something like this:

Click Finish to conclude the installation.

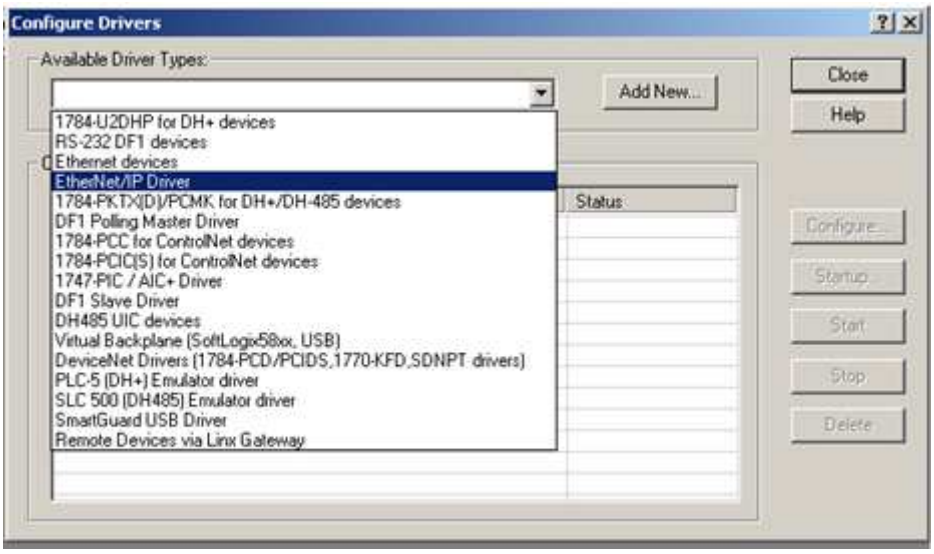
Configuring *RSLinx*

From your start menu, go to *Start* -> *Programs* -> *Rockwell Software* -> *RSLinx*, then run *RSLinx Classic*. You should see a new icon in your system tray like this:

Click on the *RSLinx Classic* tray icon, then click on *Communications* -> *Configure Drivers…*

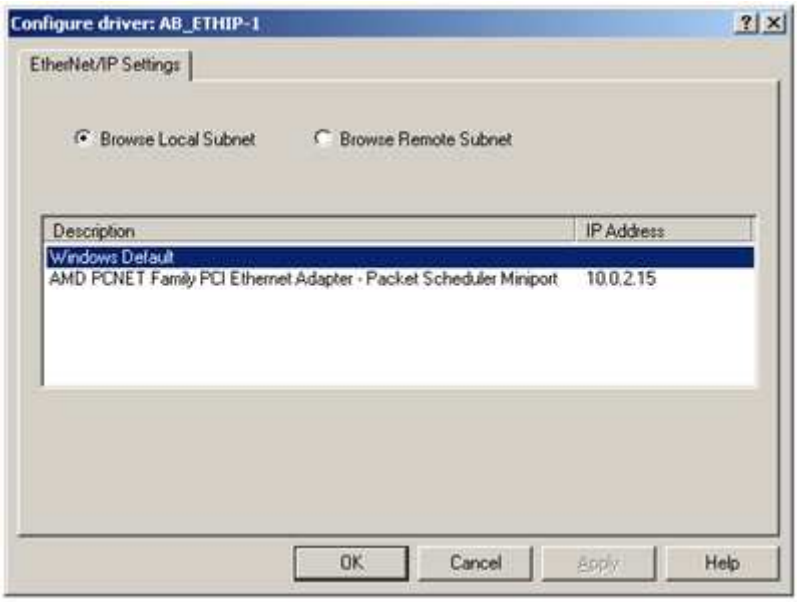


From the list of Available Driver Types, select *EtherNet/IP Driver*, then click *Add New …*

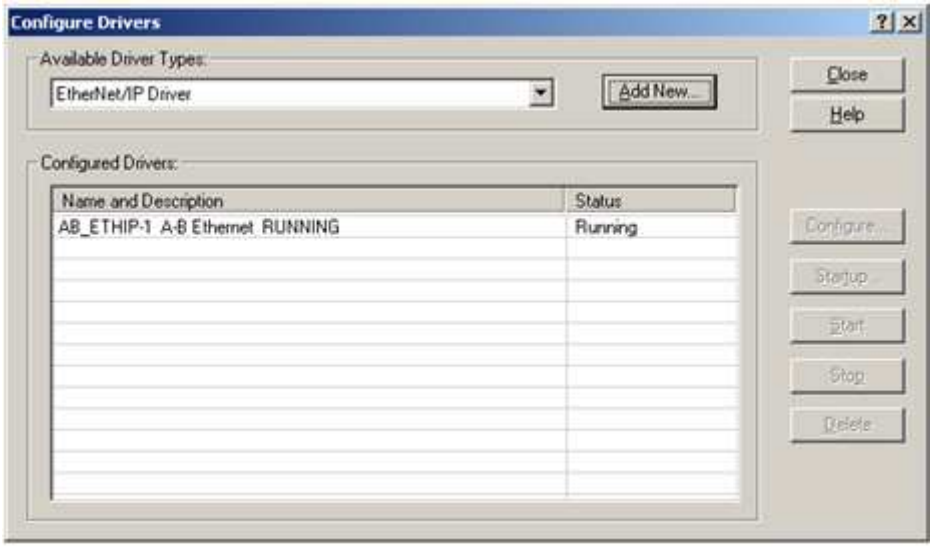


The following dialog will appear; click *OK:*

Next the following dialog will appear; click *OK:*



Finally you should see the following dialog. Click *Close* and exit RSLinx Classic Lite:



Installing the Firmware Package

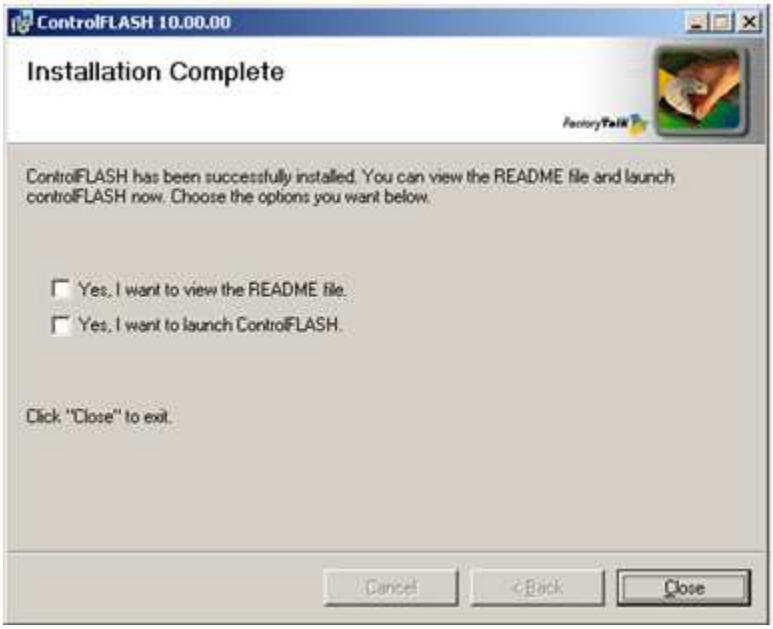
Click on *ControlFLASH.msi*. You should see the following; click *Next*:

Agree with the license agreement in the next dialog, then click *Next*.

In the following dialog, click *Next* to install the application in the default location. Click *Next* again to confirm installation.

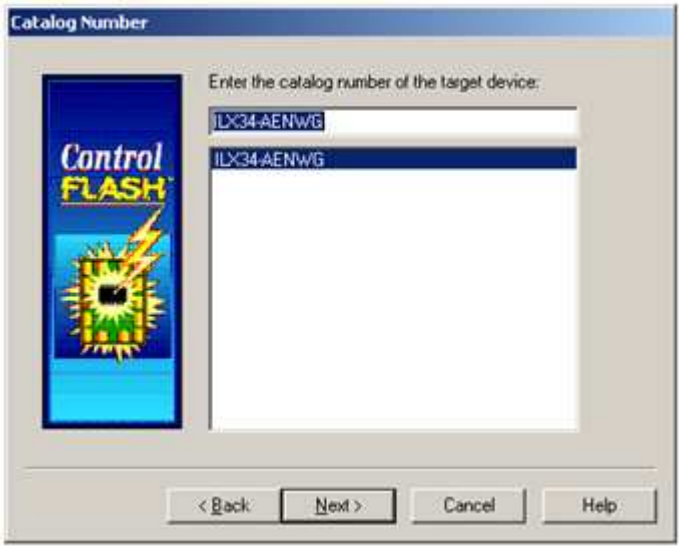
Flash programming the ILX34

After installation you should see this dialog:

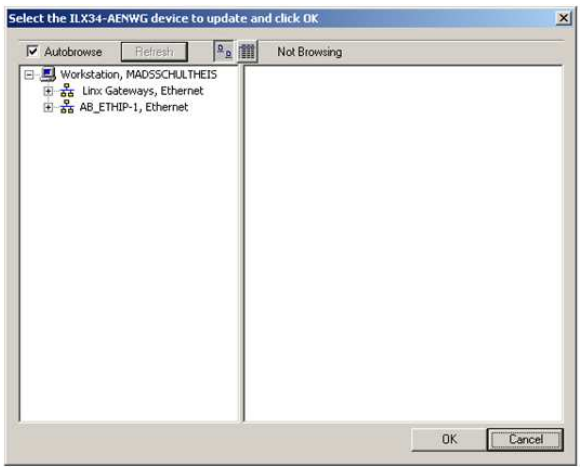


Select *Yes, I want to launch ControlFLASH*, then click *Close*. You should see something like the following; click *Next>*

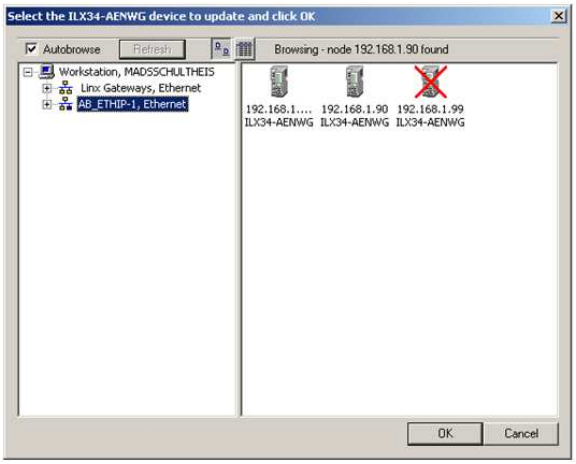
You will be presented with a dialog like the following. There may be additional *catalog numbers* listed for your system. Select *ILX34-AENWG* and click *Next>*



You should see a dialog like the following:



Click on *AB_ETHIP-1, Ethernet* on the left pane; you should see something like this:

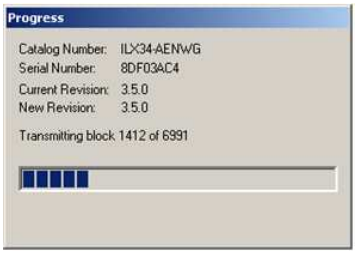


Any ILX34 devices detected will appear in the right pane as in the above example. For our example, we will flash the device shown at IP address 192.168.1.90. (Note that the device at 192.168.1.99 was detected in a previous ControlFLASH session, but it can be ignored.)

Click on the device to flash, then click *OK*. You will see something like this:

Select Revision *3.5.0*, which should be the only firmware version that appears. Then click *Next>*. You will get something like:

Click *Finish*, then *Yes* to begin programming the ILX34. Programming is done in four stages, with pauses between the stages. During programming, you will see progress indicators like this:



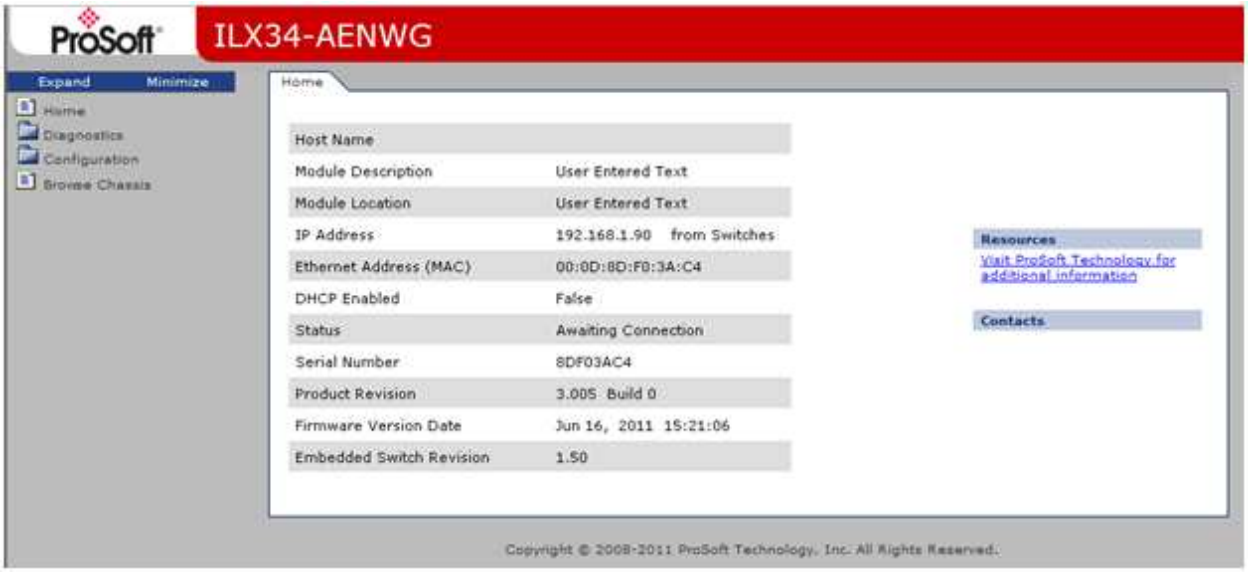
Upon successful completion you should see the following:

Click *OK*, then *Cancel*, then *Yes* to exit *ControlFLASH*.

Testing the new firmware installation

Power off your ILX34, then power it on. Once the *Point Bus Status LED* is no longer solid red, the unit should be operational with the new firmware.

To verify the new firmware version, open a web browser to the ILX34's IP address. You should see a screen like the following:



The important thing to notice is that the *Product Revision* is *3.005 Build 0*, which is the version of firmware that you just installed.