



Installing Your ControlNet PLC-5 Firmware Update

Introduction

ControlFLASH software is a programming tool that lets you update firmware on a ControlNet™ PLC-5® processor.

What this update kit contains

The update kit contains:

- ControlFLASH software with the firmware upgrade (2 diskettes)
- installation instructions (this document)
- firmware release notes (1785-6.2-RN1)
- firmware revision label

What computer you need

The computer you use to perform the firmware update must meet these requirements:

- at least a 486 processor
- Windows® 95, Windows 98, or Windows NT® operating system
- at least 16 Mbytes of available memory

What you do

To update your firmware, you:

1. Connect Channel 0 of the processor to COM1 or COM2 of your computer using an RS-232 link.
2. Install the ControlFLASH software on your computer.
3. Update the firmware on the processor.
4. Apply the firmware revision label to the processor.
5. Remove the ControlFLASH software from your computer.



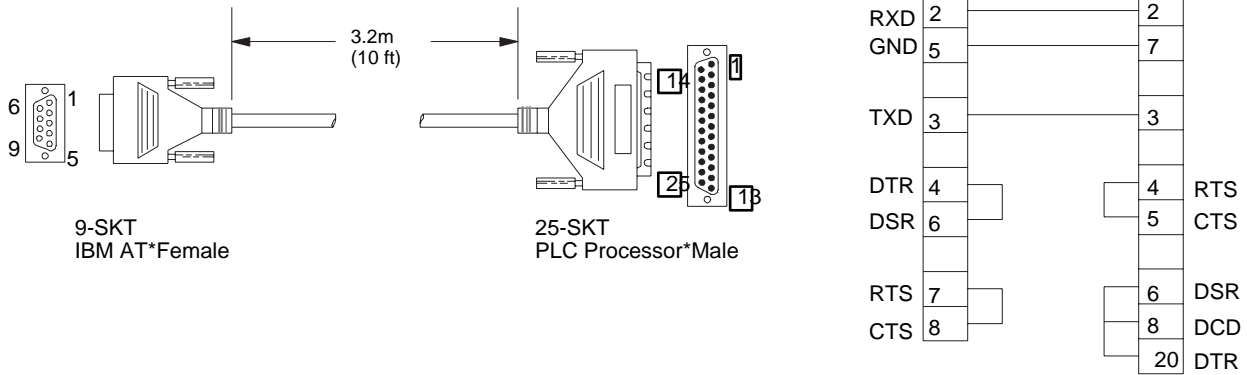
ATTENTION: This version of ControlFLASH is only suitable for this firmware update. Do not use this version of ControlFLASH to update firmware on any other products.

Connect to the ControlNet PLC-5 Processor

ControlFLASH software uses a serial port connection to update the firmware on ControlNet PLC-5 processors.

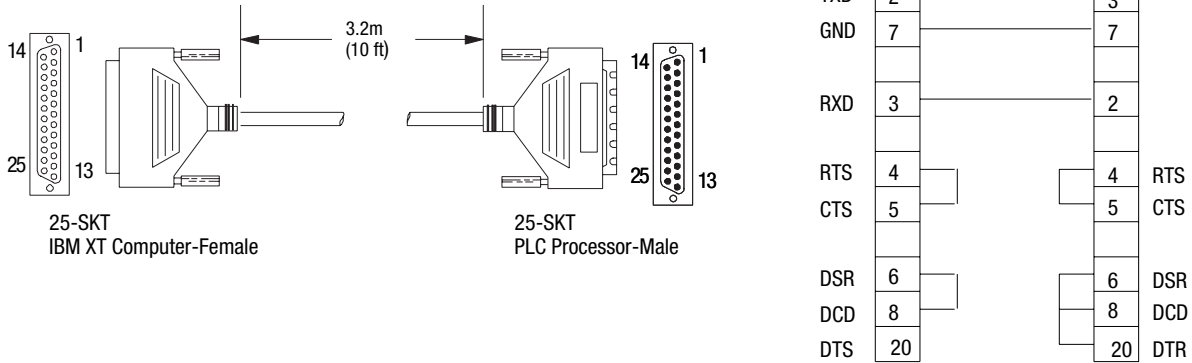
Connect Channel 0 of the ControlNet PLC-5 processor to COM1 or COM2 on your computer. Use an RS-232 connection with a shielded, null modem cable, such as a 1784-CP10 or 1784-CP11 cable.

Figure 1
1784-CP10 Cable



19870

Figure 2
1784-CP11 Cable



19871

Install ControlFLASH Software

To install the ControlFLASH software:

1. Place the ControlFLASH disk in the floppy drive of your computer.
2. Browse A: drive and select the .EXE file.
3. Follow the setup wizard as it guides you through the installation process.

Update the Firmware



ATTENTION: Before you begin the update process, make sure the processor is not controlling any process. Also make sure the computer is not running any other application.

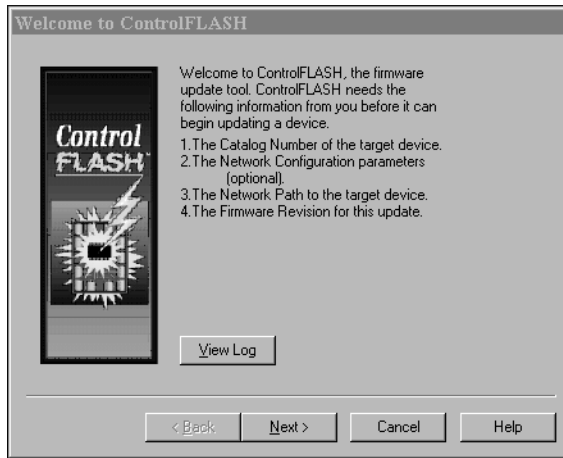
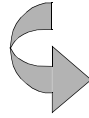
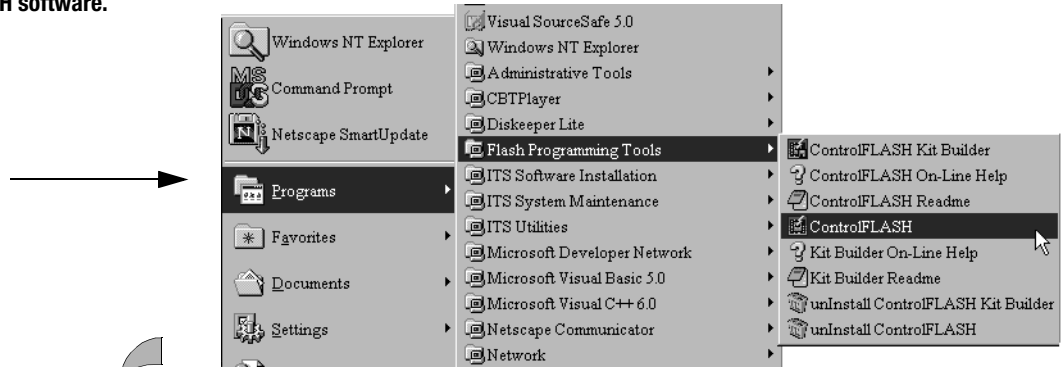
Prepare the ControlNet PLC-5 processor

Before you update the firmware:

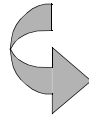
1. Back up any current program in the processor.
2. Disconnect all the cables from the processor, except for the RS-232 cable.
3. Remove the battery from the processor.
4. Cycle power to the chassis.

Update the firmware

1. Start the ControlFLASH software.

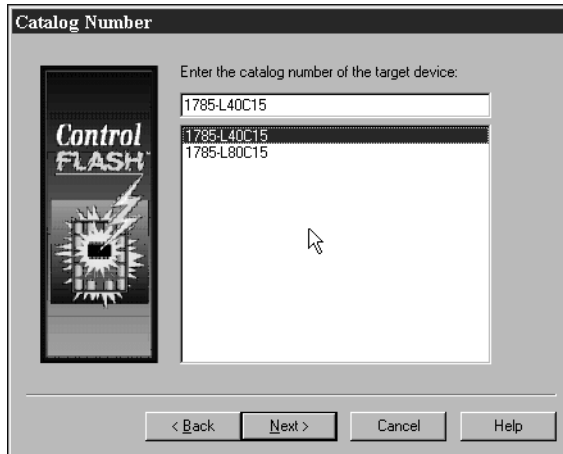


Click Next.

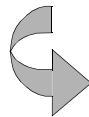


2. Select the ControlNet PLC-5 processor.

Use the cursor to highlight the processor

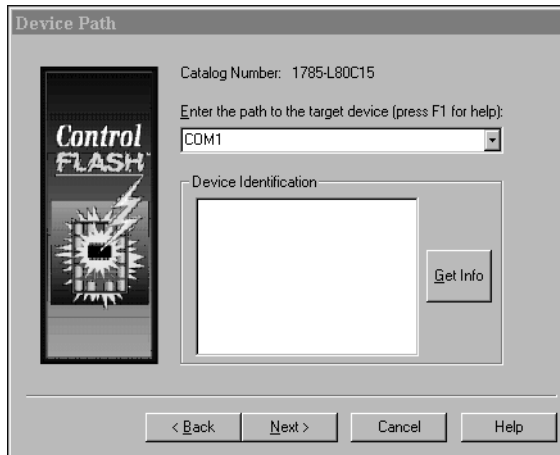


Click Next.



3. Select the serial port of the computer.

Select COM1 or COM2. →



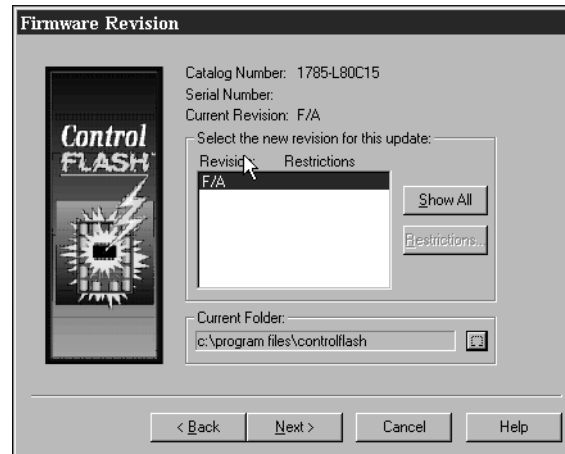
Click Get Info to verify the processor you are updating. ←

Click Next.

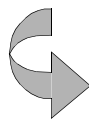


4. Select the firmware revision.

Select the correct update revision. →

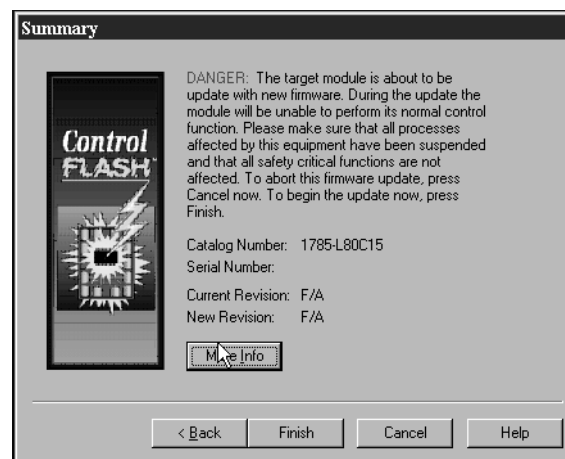


Click Next.



5. Verify the update.

Click Finish.

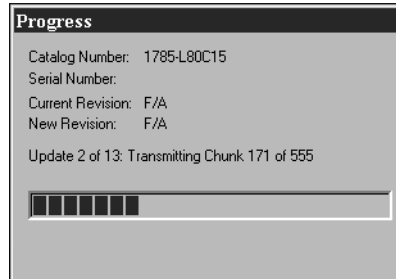
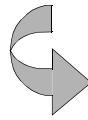


Allen-Bradley HMIs

6. Start the firmware update.



Click Yes.



The progress indicator shows how much of the update has been performed.

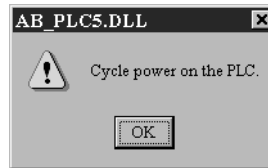
Important: This update will take approximately 13 minutes to complete.

7. Follow the power cycle instructions during and after the update process.

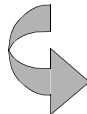
When the update is complete, the software will prompt you to cycle power.

Important: With the 1785-L40 and -L80C15 Series F processors, the prompt appears twice; once after update 9 of 13 to cycle power, and again at the completion of the update

Cycle power to the chassis that contains the ControlNet PLC-5 processor. Then click OK.



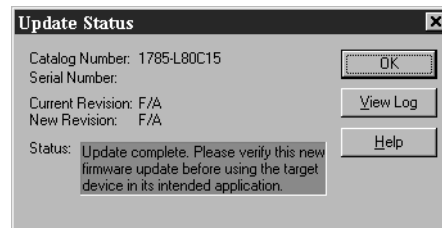
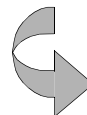
Click OK.



8. The update process is now complete.

The Status windows displays the result of the update. If an error occurs, it is displayed in this window.

Click OK.



If an error occurs, click View Log to see specific error information (see the table on the next page).



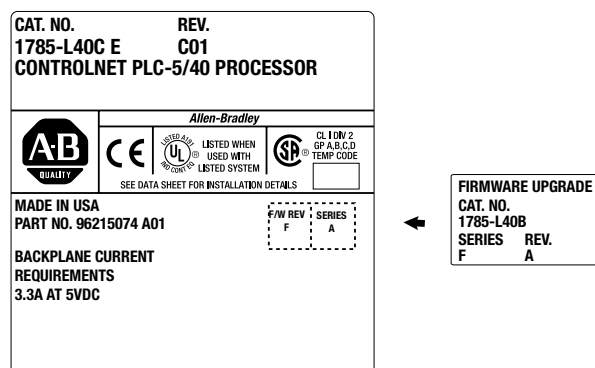
Possible error messages

Error Message:	Details:
PLC Mismatch: Incorrect Selection of PLC Device	The PLC-5 processor you selected in Step 2 (page 4) and the PLC-5 processor you are trying to update are different. Try selecting the correct PLC-5 processor.
Error Reading Serial Number: Invalid Serial Number	The PLC-5 processor was previously updated incorrectly. Send the processor in for repair.

Apply the Firmware Revision Label

Important: It is important to apply this label to your processor to ensure you receive the correct version back if you send it in for repair.

1. Turn off power to the processor.
2. Remove the processor from the chassis.
3. Apply the new firmware revision label in the space indicated by dotted lines on the product identification label.



Remove the ControlFLASH Software

When you are finished updating the processor, remove the ControlFLASH software from your computer.

1. From the Start menu, select the ControlFLASH program group.
2. Click on the Uninstall ControlFLASH icon.

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