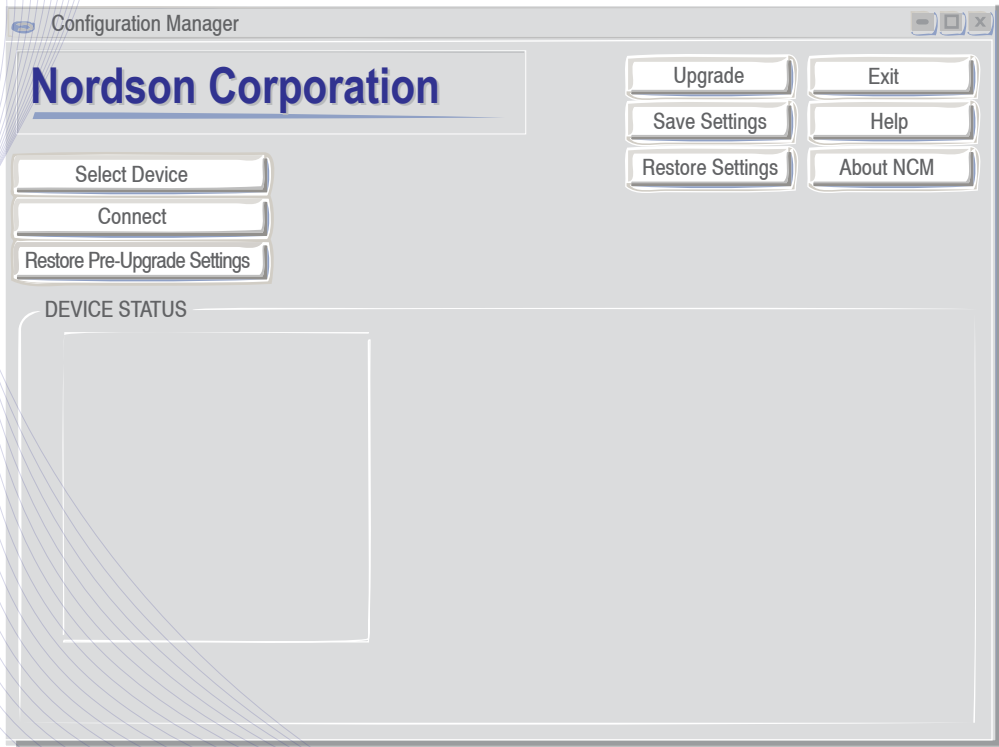


Nordson Configuration Manager User's Guide

P/N 1098450A



Nordson Corporation welcomes requests for information, comments, and inquiries about its products. General information about Nordson can be found on the Internet using the following address: <http://www.nordson.com>.

Address all correspondence to:

Nordson Corporation
Attn: Customer Service
11475 Lakefield Drive
Duluth, GA 30097

Notice

This is a Nordson Corporation publication which is protected by copyright. Original copyright date 2010. No part of this document may be photocopied, reproduced, or translated to another language without the prior written consent of Nordson Corporation. The information contained in this publication is subject to change without notice.

Trademarks

AccuJet, AeroCharge, Apogee, AquaGuard, Asymtek, Automove, Baitgun, Blue Box, Bowtie, CanWorks, Century, CF, CleanSleeve, CleanSpray, ColorMax, Color-on-Demand, Control Coat, Coolwave, Cross-Cut, cScan+, DispenseJet, DispenseMate, DuraBlue, DuraDrum, Durafiber, DuraPail, Dura-Screen, Durasystem, Easy Coat, Easymove Plus, Ecodyr, Econo-Coat, e.dot, EFD, Emerald, Encore, ESP, e stylized, ETI - stylized, Excel 2000, Fillmaster, FlexiCoat, Flex-O-Coat, Flow Sentry, Fluidmove, FoamMelt, FoamMix, Fulfill, GreenUV, HDLV, Heli-flow, Horizon, Hot Shot, iControl, iDry, iFlow, Isocoil, Isocore, Iso-Flo, iTRAX, Kinetix, LEAN CELL, Little Squirt, LogiComm, Magnastatic, March, Maverick, MEG, Meltex, Microcoat, Micromark, MicroSet, Millennium, Mini Squirt, Mountaingate, Nordson, OptiMix, Package of Values, PatternView, PermaFlo, Porous Coat, PowderGrid, Powderware, Precisecoat, PRIMARC, Printplus, Prism, ProBlue, Prodigy, Pro-Flo, ProLink, Pro-Meter, Pro-Stream, RBX, Rhino, Saturn, Scoreguard, Seal Sentry, Select Charge, Select Coat, Select Cure, Signature, Slautterback, Smart-Coat, Solder Plus, Spectrum, Speed-Coat, SureBead, Sure Clean, Sure Coat, Sure-Max, Sure Wrap, Tracking Plus, TRAK, Trends, Tribomatic, TrueBlue, Ultra, UpTime, u-TAH, Vantage, VersaBlue, Versa-Coat, VersaDrum, Versa-Screen, Versa-Spray, Watermark, and When you expect more. are registered trademarks of Nordson Corporation.

Accubar, Advanced Plasma Systems, AeroDeck, AeroWash, AltaBlue, AltaSlot, Alta Spray, AquaCure, ATS, Auto-Flo, AutoScan, Axiom, Best Choice, Blue Series, Bravura, Champion, Check Mate, ClassicBlue, Classic IX, Clean Coat, Cobalt, Controlled Fiberization, Control Weave, ContourCoat, CPX, cSelect, Cyclo-Kinetic, DispensLink, Drop Cure, Dry Cure, DuraBraid, DuraCoat, DuraPUR, Easy Clean, EasyOn, EasyPW, Eclipse, e.dot+, E-Nordson, Equalizer, Equi-Bead, FillEasy, Fill Sentry, FlowCoat, Fluxplus, Get Green With Blue, G-Net, G-Site, iON, Iso-Flex, iTrend, Lacquer Cure, Maxima, Mesa, MicroFin, MicroMax, Mikros, MiniBlue, MiniEdge, Minimeter, MonoCure, Multifil, MultiScan, Myritex, Nano, OmniScan, OptiStroke, Partnership+Plus, PatternJet, PatternPro, PCI, PicoDot, Pinnacle, Plasmod, Powder Pilot, Powder Port, Powercure, Process Sentry, Pulse Spray, Quad Cure, Ready Coat, RediCoat, Royal Blue, Select Series, Sensomatic, Shaftshield, SheetAire, Smart, SolidBlue, Spectral, Spectronic, SpeedKing, Spray Works, Summit, SureFoam, Sure Mix, SureSeal, Swirl Coat, TAH, ThruWave, TinyCure, Trade Plus, Trilogy, TrueCoat, Ultra FoamMix, UltraMax, Ultrasaver, Ultrasmart, Universal, ValueMate, Versa, VersaPail, Vista, Web Cure, and 2 Rings (Design) are trademarks of Nordson Corporation.

Designations and trademarks stated in this document may be brands that, when used by third parties for their own purposes, could lead to violation of the owners' rights.

Windows is a registered trademark of Microsoft Corporation.

Table of Contents

NCM

Overview	1
NCM Supports	1
Program Download	1
System Requirements	1
NCM Dialog Box	2
Dialog Box Features	3

LA404, LA404-2, and LA4400

Installation	5
Download the NCM	5
LA404 and LA4400 Pattern Controllers	5
LA404-2 Pattern Controller	6
Connect the Pattern Controller to a PC	6
Operation	7
Intended Use	7
Save Settings	7
Restore Settings	8
Upgrade	9
Restore Pre-Upgrade Settings	10

ProBlue and DuraBlue

Installation	11
Download the NCM	11
Connect the Melter to a PC	12

Operation	13
Intended Use	13
Save and Restore Melter Settings	13
Saving Settings	13
Restoring Settings	14
Upgrade or Restore Melter Firmware	15
Upgrading Firmware	15
Restoring Pre-Upgrade Melter Settings	17

LogiComm Gun Driver

Installation	19
Download the NCM	19
Connect the Gun Driver to a PC	20
Setup the NCM Program	21
Start the NCM Program	26

Operation	27
Intended Use	27
Save Settings	27
Restore Settings	28
Upgrade	29

Color Barcode Scanner CBC5100

Installation	31
Download the NCM	31
Connect the CBC5100	32

Operation	33
Intended Use	33
Upgrade	33

Overview

This user's guide describes how to install and use the Nordson Configuration Manager (NCM) communication utility.

NCM Supports

The NCM currently supports the following equipment:

- LA404 Pattern Control System
- LA4400 Pattern Control System
- LA404-2 Pattern Controller
- DuraBlue[®] Adhesive Melter
- ProBlue[®] Adhesive Melters
- LogiComm[®] Gun Driver
- Color Barcode Scanner CBC5100

Program Download

The NCM program can be downloaded from www.enordson.com/support.

System Requirements

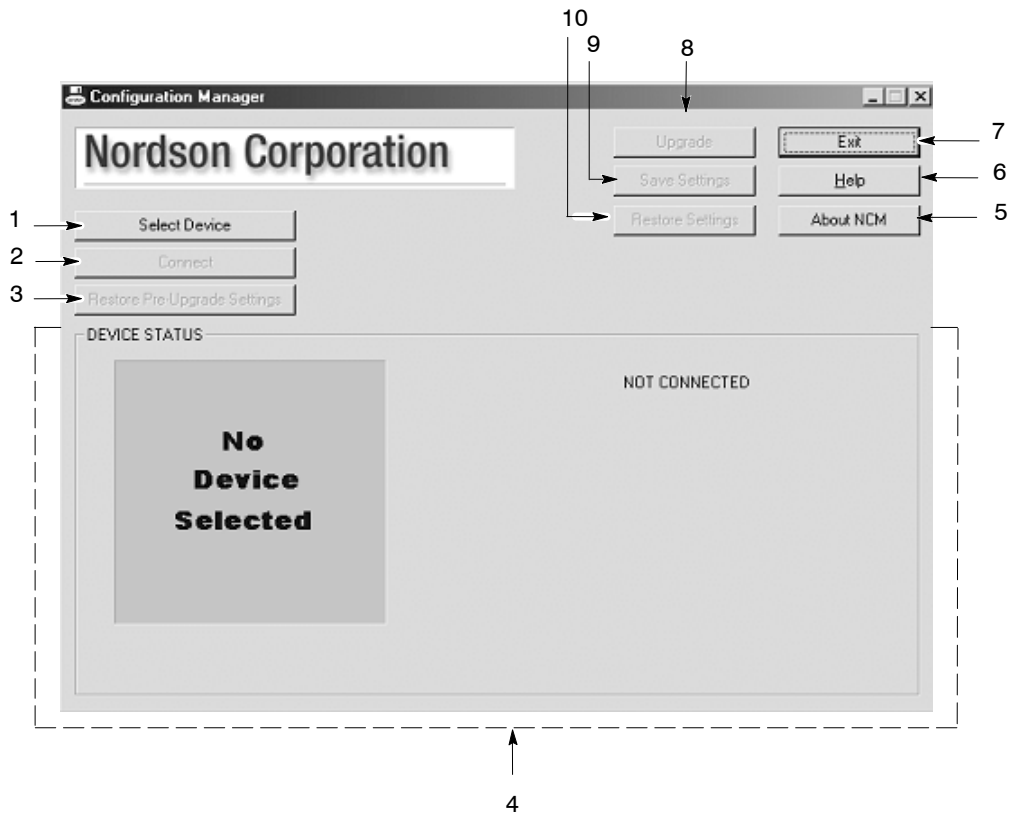
Make sure that the following tools are available:

- Serial cable or USB cable (depending on the equipment being used)
- Personal Computer with:
 - Serial port or USB port
 - Windows XP or 2000

NCM Dialog Box



Nordson Configuration Manager (NCM) is launched from your Windows desktop using the icon shown to the left.



1. Select Device button
2. Connect button
3. Restore Pre-Upgrade Settings button

4. Device Status area
5. About NCM
6. Help

7. Exit
8. Upgrade button
9. Save settings button
10. Restore settings button

Dialog Box Features

Item	Function
Select Device	Allows you to select a device from the given list.
Connect	Allows you to select a communication port (COM 1 – 4) to connect the device to the PC.
DEVICE STATUS	Indicates the communications status.
Exit	Closes the NCM.
Save Settings	Saves new settings to your PC.
Restore Settings	Restores previously saved settings.
Upgrade	Upgrades or reloads the firmware.
Restore Pre-Upgrade Settings	Restores the settings saved on the last upgrade. It overwrites the settings file if multiple upgrades are performed.

Installation

The following section describes how to download the NCM program, connect the pattern controller to a PC, and operate the program.

Download the NCM

When you download and install the NCM program, the latest version of the firmware is downloaded in your PC's hard drive.

The NCM program for LA404 and LA4400 pattern controllers are in zip file format, and the NCM program for LA404-2 pattern controller is in an executable file format. The following download instructions are specific to each of the pattern controllers.

LA404 and LA4400 Pattern Controllers

1. Go to www.enordson.com/support.
2. Locate your equipment from the list and click on the link.
3. Click on LA404 or LA4400 to open the File Download pop-up.
4. Click Save in the File Download pop-up.
5. Save ncm_404_08_02_03.zip or ncm_4400_12_03_03.zip into a directory.

Typically the location is: c:/program files/Nordson Corporation/LA404 or c:/program files/Nordson Corporation/LA4400.

6. Locate and double click the zip file.
The zip self-extractor dialog box appears.
7. In the Zip Self-Extractor dialog box, select the location where the contents of the zip files extract.
8. Go to *Connect the Pattern Controller to a PC*.

LA404-2 Pattern Controller

1. Go to www.enordson.com/support.
2. Locate your equipment from the list and click on the link.
3. Click on NCM LA404-2 to open the File Download pop-up.
4. Click Run in the File Download pop-up.
5. Click Run in the next pop-up.

The Setup wizard appears and starts the installation routine.

6. Click Next in the wizard, and then follow the on-screen instructions.
7. Click Finished when the installation complete message appears.
8. Go to *Connect the Pattern Controller to a PC* given next.

Connect the Pattern Controller to a PC

1. Connect the serial cable (P/N 1034146) between the PC's communication port connection and the serial port connection located on your pattern controller's rear panel.
2. Make sure that the pattern controller (power switch is located on the pattern controller's rear panel) and the PC's monitor are turned on.
3. Locate the NCM folder in your PC hard drive.
4. Double-click the NCM icon to open the program.

The NCM dialog box appears.

NOTE: The pattern controller front panel screen displays **CONFIGURATION**.

5. Go to *Operation* given next.

Operation

The following section describes how to use the NCM functionalities. Refer to the *NCM Dialog Box* and *Dialog Box Features* for the location of the setup buttons.

Intended Use

Use the NCM to:

- Save more than one version of the settings
- Restore settings
- Upgrade firmware
- Restore pre-upgrade settings

Save Settings

1. Click Select Device.

The Select Product dialog box appears.

2. Select your pattern controller from the list, and then click OK.

The Select COM Port dialog appears.

Save Settings *(contd.)*

3. Select the COM port you are using to connect to the pattern controller, and then click OK.

The PC and pattern controller establish communications. The DEVICE STATUS area displays the picture of the selected pattern controller and indicates **CONNECTED**.

4. Click Save Settings.

The Save As dialog box appears.

5. Type a file name to identify the settings you are saving, and then click Save.

The Save Settings progress bar appears to indicate the status of the save.

6. When the save is complete, click Exit.

Restore Settings

1. Click Select.

The Select Product dialog box appears.

2. Select your pattern controller from the list, and then click OK.

The Select COM Port dialog box appears.

3. Select the COM port you are using to connect to the pattern controller, and then click OK.

The PC and pattern controller establish communications. The DEVICE STATUS area displays the picture of the selected pattern controller and indicates **CONNECTED**.

4. Click Restore Settings.

The Open dialog box appears.

5. Select the settings file (.ncm extension) that you want to restore, and then click Open.

The Restoring Settings progress bar indicates the status of the restore.

6. Click Connect to reconnect, or click Exit.

Upgrade

1. Click Select.

The Select Product dialog box appears.

2. Select your pattern controller from the list, and then click OK.

The Select COM Port dialog box appears.

3. Select the COM port you are using to connect to the pattern controller, and then click OK.

The PC and pattern controller establish communications. The DEVICE STATUS area displays the picture of the selected pattern controller and indicates **CONNECTED**.

4. Click Upgrade.

The Select Upgrade dialog box appears.

While the PC and pattern controller establish communications, the pattern controller's front panel screen indicates **DOWNLOADING** and the LED's start blinking.

NOTE: The upgrade process takes about 20 minutes to complete.

5. From the list of *Available Upgrade* in the Select Upgrade dialog box, select the upgrade version you want to upload to the pattern controller. There can be more than one upgrade versions to select from.

CAUTION! Once the upgrade progress bar appears, do not interrupt the upgrade process. Interrupting the upgrade process can corrupt the pattern controller's firmware. If the upgrade file fails to load successfully, repeat the upgrade process.

6. Click OK.

The UPGRADE IN PROGRESS bars appear.

Upgrade can take as long as 30 – 45 minutes. After the Upgrade process is complete the SUCCESS dialog box appears and the pattern controller restarts.

7. Click Exit.

Restore Pre-Upgrade Settings

1. Click Connect.

The Select COM Port dialog box appears.

2. Select the COM port you are using to connect to the pattern controller, and then click OK.

The PC and pattern controller establish communications. The DEVICE STATUS area displays the picture of the selected pattern controller and indicates **CONNECTED**.

3. Click Restore Pre-Upgrade Settings.

The Restoring Settings progress bar indicates the status. When the restore settings function is complete, the device status area indicates that the pattern controller is NOT CONNECTED.

4. Click Connect to reconnect, or click Exit.

Installation

When you download and install the NCM program, the latest version of the firmware is downloaded in your PC's hard drive.

The following section describes how to download the NCM program, connect the melter to a PC, and operate the program.

Download the NCM

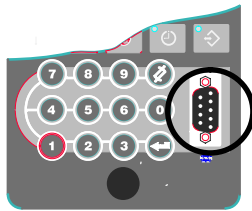
1. Go to www.enordson.com/support.
2. Locate your equipment from the list and click on the link.
3. Click on NCM_Blue.exe to open the File Download pop-up.
4. Click Run in the File Download pop-up.
5. Click Run in the next pop-up.

The NCM Blue Setup wizard appears and starts the installation routine.

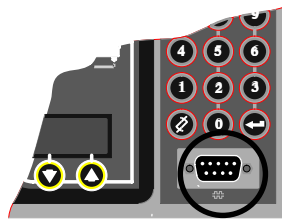
6. Click Next in the wizard, and then follow the on-screen instructions.
7. Click Finished when the installation complete message appears.
8. Go to *Connect the Melter to a PC* given next.

Connect the Melter to a PC

1. Connect a serial cable between the PC COM port (selected during the program installation routine) and the serial port connection (COM port) on your melter's control panel (see following drawing).



ProBlue serial port



DuraBlue serial port

NOTE: If the PC does not have a serial port, a USB-to-serial port adaptor must be used. When installing the USB-to-serial port adaptor, follow the manufacturer's instructions. If given a choice as to which port to associate with the adaptor, use serial ports 1, 2, 3, or 4.

NOTE: To download the NCM program in the DuraBlue LE melter, use the CPU to RS232 serial port cable, P/N 1029938.

2. Make sure that the melter and the PC's monitor are turned on.
3. Locate the NCM folder in your PC hard drive.
4. Double-click the NCM icon to open the program.
The NCM dialog box appears.
5. Go to *Operation* given next.

Operation

The following section describes how to use the NCM functionalities. Refer to the *NCM Dialog Box* and *Dialog Box Features* for the location of the setup buttons.

Intended Use

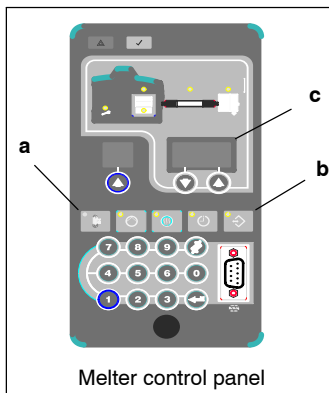
Use the NCM to:

- Copy melter settings from one melter to another melter
- Create and save more than one version of the melter settings
- Upgrade or restore melter firmware

Save and Restore Melter Settings

Saving settings copies all current set-point and operating parameter values to your PC. Saved settings can be transferred back to the same melter or to any other compatible Blue Series adhesive melter.

Saving Settings



1. Place the melter into the configuration mode by simultaneously pressing the Standby (a) and Setup (b) keys.
CONF appears in the right display (c).
2. Double-click the NCM icon.
The NCM dialog box appears.
3. Click Select Device in the NCM dialog box.
The Select Product dialog appears.
4. Select your melter from the list, and then click OK.
The Select COM Port dialog appears.

Saving Settings *(contd.)*

5. Select the COM port you are using to connect to the melter, and then click OK.

The PC and melter establish communications. The DEVICE STATUS area displays the picture of the selected melter and indicates **CONNECTED**.

6. Click Save Settings.

The Save As dialog box appears.

NOTE: The default location for saving settings files is Windows *My Documents* folder. To avoid losing saved settings files, Nordson Corporation recommends that you do not change the default save location.

7. Type a file name to identify the group of settings you are saving, and then click Save.

The Save Settings progress bar indicates the status of the save. When the save is complete, the melter automatically returns to the scan mode.

NOTE: If you are using the NCM to save multiple variations of melter settings, use a file naming convention that will allow you to easily associate each settings file (*.ncm* extension) with its related process or end-use.

8. Click OK.

Restoring Settings

1. Follow steps 1 through 5 of *Save Settings*.

2. Click Restore Settings.

The Open dialog box appears.

3. Select the settings file (*.ncm* extension) that you want to restore, and then click Open.

The Restore Settings progress bar indicates the status of the restore. When the restore is complete, the melter automatically returns to the scan mode.

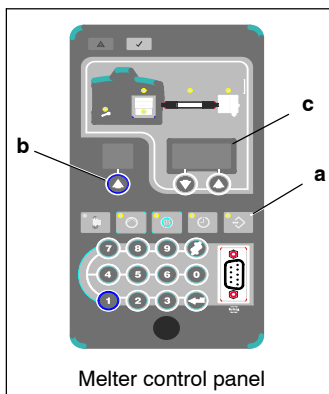
Upgrade or Restore Melter Firmware

Use the NCM to upgrade your melter to a newer version of firmware or reload the current version of the firmware.

During the upgrade process, all current melter settings are downloaded and saved on your PC. After upgrading or restoring a melter's firmware, you can use the NCM to restore the pre-upgrade settings.

CAUTION! The upgrade process returns the melter's settings to factory configuration, with the exception that current heater hours data is saved. Data in both the fault log and the change log is lost after upgrading the firmware.

Upgrading Firmware



1. Turn off the melter power.
2. Press and hold the Setup (a) and the left display Scroll (b) keys, and turn the melter back on. Hold the keys until **UPLOAD** appears in the right display (c).
3. Double-click the NCM icon.
The NCM dialog box appears.
4. Click Select Device.
The Select Product dialog appears.
5. Select your melter from the list, and then click OK.
The Select COM Port dialog appears.
6. Select the COM port you are using to connect to the melter, and then click OK.
The PC and melter establish communications. The DEVICE STATUS area displays the picture of the selected melter and indicates **CONNECTED**.
7. Click Upgrade.
The Select Upgrade dialog appears.

Upgrading Firmware *(contd.)*

8. In the *Available Upgrades* list, select the firmware version you want to upload to the melter, and then click OK.

The upgrade warning message appears.

9. Click OK.

The UPGRADE IN PROGRESS dialog appears. The upgrade can take as long as 12 minutes. When the upgrade is complete, the SUCCESS dialog box appears and the melter restarts.

CAUTION! Once the upgrade progress bar appears, do not interrupt the upgrade process for any reason. Interrupting the upgrade can corrupt the melter's firmware, which will require replacement of the IC chip (IC service kit P/N 1018817).

10. Click OK.

The communications link between the melter and the PC is terminated.

11. Do one of the following:

- Go to *Restore Pre-Upgrade Melter Settings*.
- Click Exit.
- Go to *Saving and Restoring Melter Settings* to restore melter settings that was being used prior to this upgrade.

Restoring Pre-Upgrade Melter Settings

1. Place the melter into the configuration mode by simultaneously pressing the Standby and Setup keys.

COnF appears in the right display.

2. Click Connect.

The Select COM Port dialog appears.

3. Select the COM port you are using to connect to the melter, and then click OK.

The PC and melter establish communications and a picture of the melter you selected appears in the DEVICE STATUS area. The right side of the status area indicates **CONNECTED**.

4. Click Restore Pre-Upgrade Settings.

The pre-upgrade settings are restored and the melter returns to the scan mode.

5. Click Exit.

Installation

The following section describes how to download the NCM program, connect the LogiComm Gun Driver to a PC, and operate the program.

Download the NCM

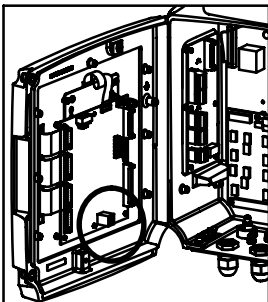
When you download and install the NCM program, the latest version of the firmware is downloaded in your PC's hard drive.

1. Go to www.enordson.com/support.
2. Locate your equipment from the list and click on the link.
3. Click on LogiCommGunDrvUpgrade-1005.exe to open the File Download pop-up.
4. Click Run in the File Download pop-up.
5. Click Run in the next pop-up.

The Setup wizard appears and starts the installation routine.

6. Click Next in the wizard, and then follow the on-screen instructions.
7. When the installation complete message appears, click Finished.
8. Go to *Connect the Gun Driver to a PC* given next.

Connect the Gun Driver to a PC



USB connection in the
LogiComm Gun Driver

1. Connect the USB cable (P/N 1066195) between the gun driver and the PC's communication port connection. See the drawing on the left for the location of the USB connection on the gun driver.
2. Make sure that the gun driver and the PC's monitor are turned on.
3. Locate the NCM folder in your PC hard drive.
4. Double-click the NCM icon to open the program.
The NCM dialog box appears.
5. Go to *Setup the NCM Program*.

Setup the NCM Program

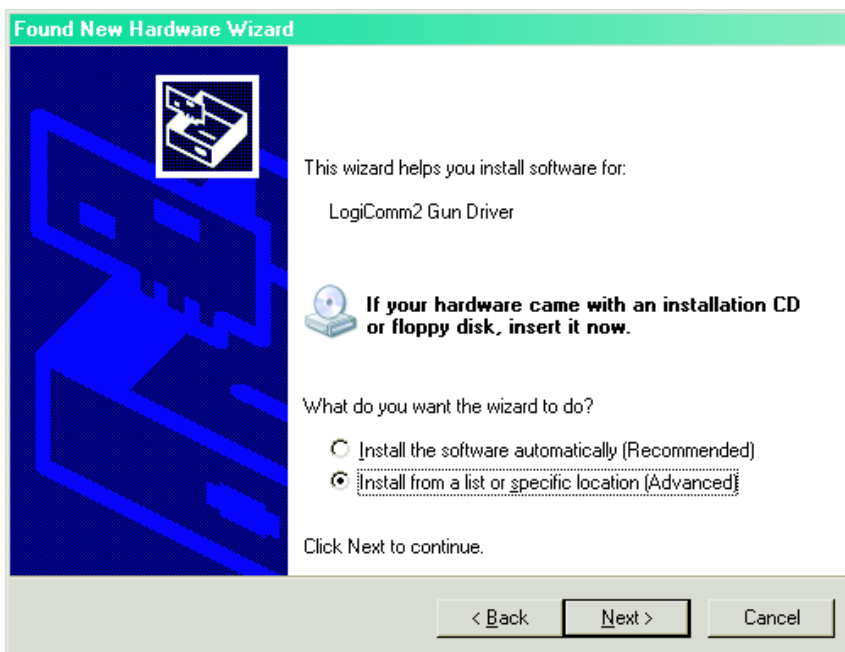
Once the USB cable is connected, Windows detects the connection of a new device, and the Found New Hardware Wizard pop-up screen appears:



1. Select No, not this time.
2. Select Next to continue.

Setup the NCM Program (contd.)

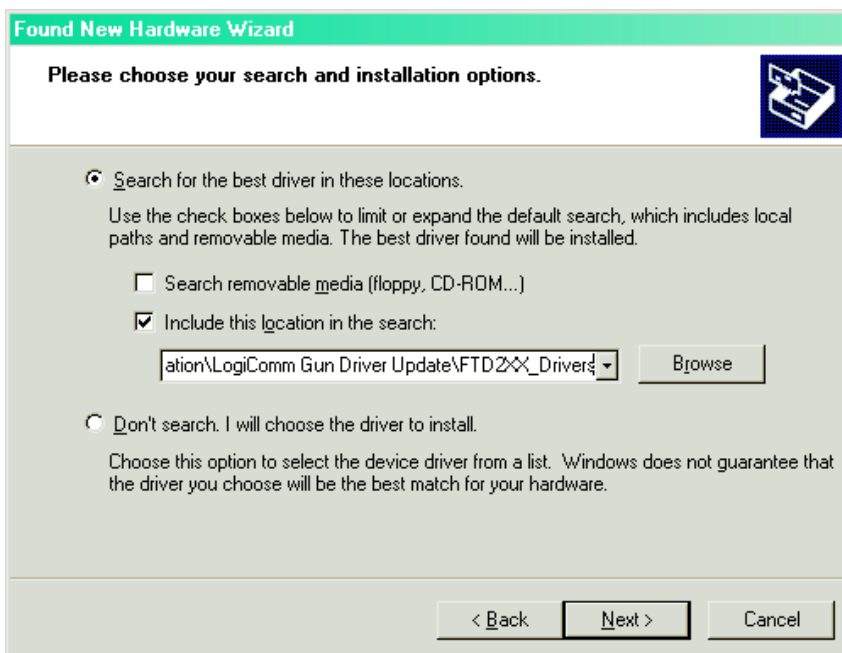
3. In the following pop-up screen, select Install from list or specific location (Advanced).



4. Click Next to continue.

5. In the following window, select Include this location in the search, and in the text box enter the following:

C:\Program Files\Nordson Corporation\LogiComm Gun Driver Update\FTD2XX_Drivers.



NOTE: The USB driver directory and files are included in the NCM installation. If you choose a different location for the NCM installation, select the appropriate directory and change to *FTD2XX_Drivers*.

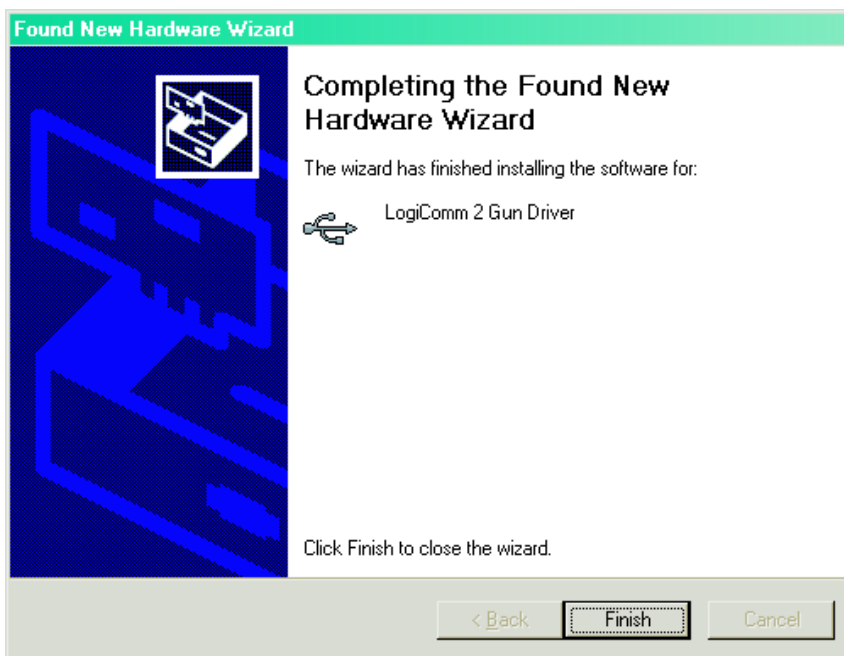
6. Click Next to continue.

Setup the NCM Program (contd.)

7. In the following window, click Continue anyway.



8. In the following window, click Finished to complete the installation wizard.



At this point, the USB driver used for the NCM program for the gun driver is installed and ready to use.

9. Go to Start the NCM Program.

Start the NCM Program

Make sure that the USB driver is installed before starting the NCM program. Refer to *Connect the Gun Driver to a PC* given earlier.

1. Turn on the gun driver. The power switch is located on the gun driver's right panel. The gun driver must be initialized differently depending on the NCM functions being used:
 - Upgrade the firmware:
 - Press  and  simultaneously on the gun driver keypad. The LCD display on the operator panel will display **UPLOAd**. The software will automatically save a copy of all settings.
 - Start the NCM program.
 - Restore or save gun driver settings:
 - Press  and  simultaneously on the gun driver keypad. The LCD display on the operator panel will display **conF**.
 - Start the NCM program.
2. Launch the Nordson ConfigManager.exe located from:
C:\Program Files\Nordson Corporation\LogiComm Gun Driver Upgrade
3. Go to *Operation*.

Operation

The following section describes how to use the NCM functionalities. Refer to the *NCM Dialog Box* and *Dialog Box Features* for the location of the setup buttons.

Intended Use

Use the NCM to:

- Save settings
- Restore settings
- Upgrade firmware

Save Settings

NOTE: Be sure to initialize the gun driver properly before starting the NCM program. Refer to *Start the NCM Program*.

1. Click Select Device.

The Select Product dialog box appears.

2. Select the LogiComm Gun Driver from the list, and then click OK.

The PC and gun driver establish communications. The DEVICE STATUS area displays the picture of the selected gun driver and indicates **CONNECTED**.

3. Click Save Settings, and the Save As dialog box appears.

4. Type a file name to identify the settings you are saving, and then click Save.

The Save Settings progress bar appears to indicate the status of the save.

5. Click Exit when Save Settings is completed.

6. Remove the USB cable that connects the PC's USB port to the USB port connection on the gun driver.

Restore Settings

1. Click Select Device.

The Select Product dialog box appears.

2. Select the LogiComm Gun Driver from the list, and then click OK.

The PC and gun driver establish communications. The DEVICE STATUS area displays the picture of the selected gun driver and indicates **CONNECTED**.

3. Click Restore.

The Open dialog box appears.

4. Select the settings file (.ncm extension) that you want to restore, and then click Open.

The Restoring Settings progress bar indicates the status of the restore.

5. Click Connect to reconnect, or click Exit.

6. Remove the USB cable that connects the PC's USB port to the USB port connection on the gun driver.

Upgrade

NOTE: Be sure to initialize the gun driver properly before starting the NCM program. Refer to *Start the NCM Program*.

This procedure will upgrade the CPU firmware and possibly the power supply FPGA firmware, depending on the CPU firmware version and power supply version. The CPU will be upgraded first, and the power supply may be upgraded next. This process will cause the upgrade time to vary between 6 and 20 minutes.

NOTE: To retain settings after an upgrade, save the settings before performing the upgrade and then restore the settings after the upgrade.

1. Click Select.

The Select Product dialog box appears.

2. Select the LogiComm Gun Driver from the list, and then click OK.

The PC and gun driver establish communications. The DEVICE STATUS area displays the picture of the selected gun driver and indicates **CONNECTED**.

3. Click Upgrade.

The Select Upgrade dialog box appears.

While the PC and gun driver establish communications, **UPLOAD** appears on the gun driver's front panel screen, and the FAULT LED flashes periodically for a brief time.

4. From the list of *Available Upgrades* in the SELECT UPGRADE dialog box, select the upgrade version you want to upload to the gun driver. There can be more than one upgrade versions to select from.

CAUTION! Once the upgrade progress bar appears, do not interrupt the upgrade process. Interrupting the upgrade can corrupt the gun driver's firmware. If the upgrade file fails to load successfully, repeat the upgrade process.

Upgrade (contd.)

5. Click OK.

The UPGRADE IN PROGRESS bars appear. Upgrade can take as long as 6 – 12 minutes. After the Upgrade process is complete the SUCCESS dialog box appears and the equipment restarts.

6. Click Exit.
7. Disconnect the USB cable.

Installation

The following section describes how to download the NCM program, connect the CBC5100, and operate the program.

Download the NCM

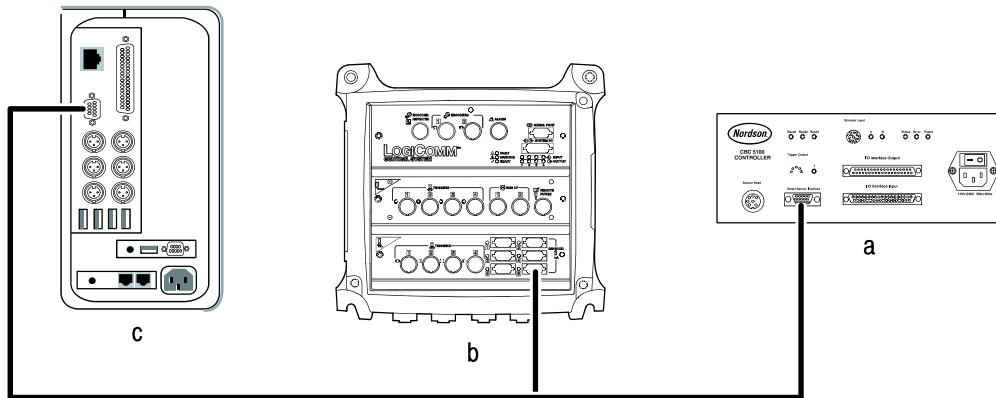
When you download and install the NCM program, the latest version of the firmware is downloaded in your PC's hard drive.

1. Go to www.enordson.com/support.
2. Locate your equipment from the list and click on the link.
3. Click on CBC5100 to open the File Download pop-up.
4. Click Save in the File Download pop-up.
5. Save ncm_CBC5100.zip into a directory.

Typically the location is: c:/program files/Nordson Corporation/CBC5100.

6. Locate and double click the zip file.
The zip self-extractor dialog box appears.
7. In the Zip Self-Extractor dialog box, select the location where the contents of the zip files extract.
8. Go to *Connect the CBC5100* given next.

Connect the CBC5100



1. Connect the programming cable (P/N 7303467) between the Smart Sensor Interface on the CBC5100 control unit (a), the Smart Sensor input on the LogiComm control module (b), and the PC's communication port connection (c). See the above drawing.
2. Make sure that the CBC5100, control module, and the PC's monitor are turned on.
3. Locate the CBC5100 NCM folder in your PC hard drive.
4. Double click on the NCM icon to open the NCM dialog box.
5. Go to *Operation*.

Operation

The following section describes how to use the NCM functionalities. Refer to the *NCM Dialog Box* and *Dialog Box Features* for the location of the setup buttons.

Intended Use

Use the NCM to upgrade the firmware.

Upgrade

1. Click Select.

The Select Product dialog box appears.

2. Select CBC5100 from the list, and then click OK.

The PC and scanner establish communications. The DEVICE STATUS area displays the picture of the selected scanner and indicates **CONNECTED**.

3. Click Upgrade.

The Select Upgrade dialog box appears.

4. From the list of *Available Upgrades* in the SELECT UPGRADE dialog box, select the upgrade version you want to upload to the scanner. There can be more than one upgrade versions to select from.

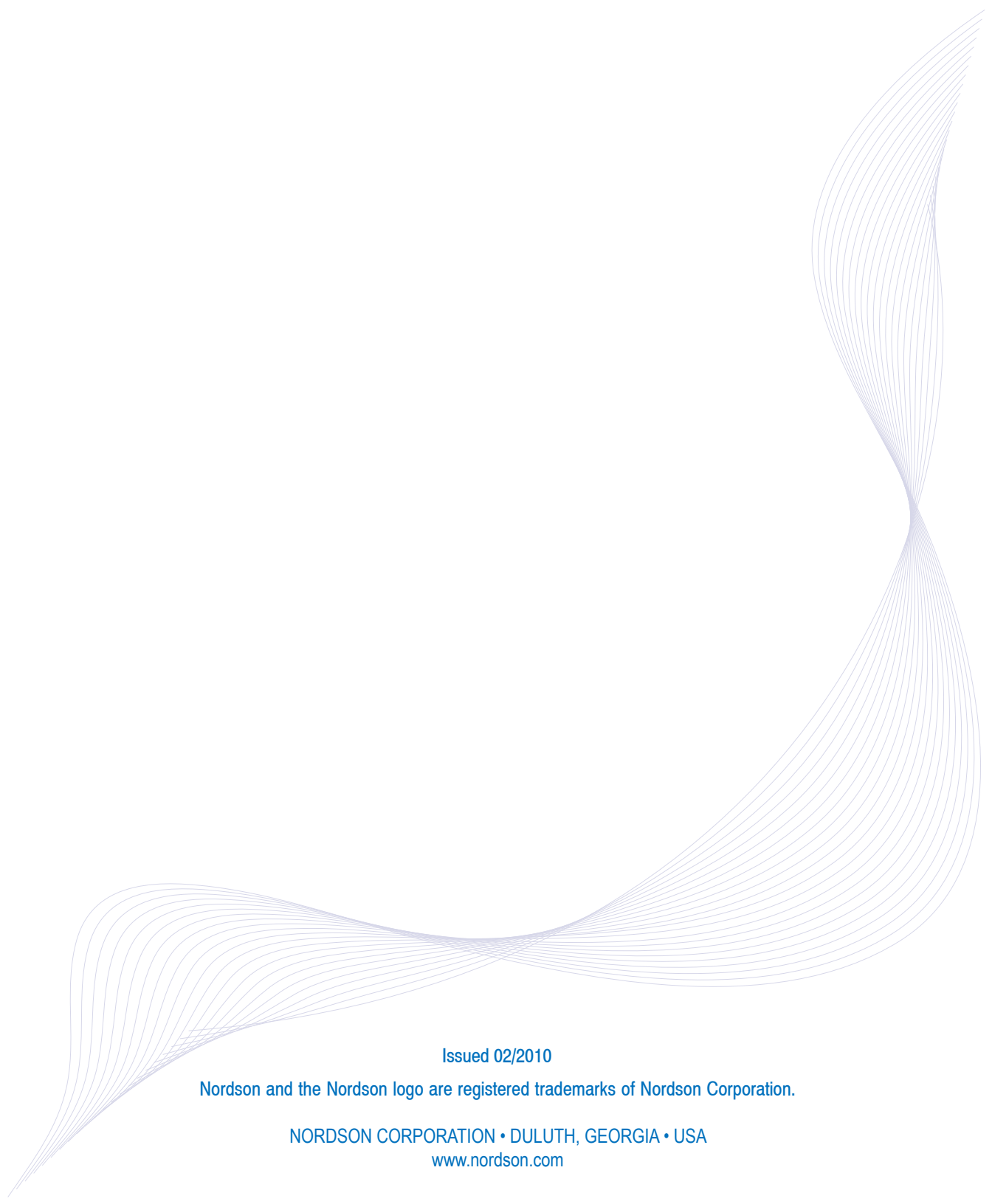
CAUTION! Once the upgrade progress bar appears, do not interrupt the upgrade process. Interrupting the upgrade can corrupt the gun driver's firmware. If the upgrade file fails to load successfully, repeat the upgrade process.

5. Click OK.

Upgrade can take as long as 6 – 12 minutes. After the Upgrade process is complete the **SUCCESS** dialog box appears and the equipment restarts.

6. Click Exit.

7. Disconnect the programming cable.

A decorative graphic consisting of numerous thin, light blue wavy lines that flow from the top right and bottom left towards the center, creating a sense of movement and depth.

Issued 02/2010

Nordson and the Nordson logo are registered trademarks of Nordson Corporation.

NORDSON CORPORATION • DULUTH, GEORGIA • USA
www.nordson.com