



3500Pro/3500ProLE SOFTWARE INSTALLATION GUIDE



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ABOUT THIS MANUAL

DOCUMENTATION AND SAFETY OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of the PESA equipment.

It is the responsibility of all personnel involved in the installation, operation, and maintenance of the equipment to know all the applicable safety regulations for the areas they will be working in. ***Under no circumstances should any person perform any procedure or sequence in this manual if the procedural sequence will directly conflict with local Safe Practices. Local Safe Practices shall remain as the sole determining factor for performing any procedure or sequence outlined in this document.***

WARNINGS, CAUTIONS, AND NOTES

Throughout this manual you should notice various Warnings, Cautions, and Notes. These addendum statements supply invaluable information pertaining to the text that they address. It is imperative that audiences read and understand the statements to avoid possible loss of life, personal injury, destruction/damage to the equipment, and/or added information that could enhance the operating characteristics of the equipment (i.e., Notes). The following subsections represent a description of the Warnings, Cautions, and Notes statements contained in this manual:

WARNING



Warning statements identify conditions or practices that can result in loss of life or permanent personal injury if the instructions contained in the statement are not complied with.

CAUTION



Caution statements identify conditions or practices that can result in personal injury and/or damage to equipment if the instructions contained in the statement are not complied with.

NOTE



Notes are for information purposes only. However, they may contain invaluable information important to the correct installation, operation, and/or maintenance of the equipment.

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FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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Installing 3500Pro/ 3500ProLE Software

1.1 Read This First!



- Installing the 3500Pro/3500ProLE software is not a simple procedure. You must follow the instructions in this guide EXACTLY. Please read this document before you install the software.
- PESA highly recommends that you use either Microsoft Windows 2000 or Microsoft Windows XP Professional.
- Installation of the 3500Pro/3500ProLE must be performed by a user with Administrator privileges. Please refer to your System Administrator for more information about acquiring these privileges.
- The 3500Pro software suite requires the installation of Microsoft Transaction Server (MTS), Microsoft Data Access Components (MDAC) V2.8, and the Microsoft Desktop Engine (MSDE2000) database. These components must be properly installed before the 3500Pro/3500ProLE will operate properly. This document details how these component are installed.



This document describes the installation process for both the 3500Pro and 3500ProLE tool suite. Though many of the figures in the document describe the 3500ProLE installation, they apply to the 3500Pro as well.

1.2 Hardware and Software Requirements

The minimum PC requirements to run 3500Pro/3500ProLE are:



PESA highly recommends that you use either Microsoft Windows 2000 or Microsoft Windows XP Professional.

- Processor: 500 MHz
- Memory: 128 MB of RAM
- Monitor: 800X600 SVGA

- Serial Port: One serial port (Minimum of a 16550 UART preferred.)
- Hard Disk: 300 MB of available space on your C drive
- Operating System: Microsoft® Windows® 2000, Microsoft Windows XP (Home and Pro editions), or Microsoft Windows NT™ 4.0.


1.3 Important Information for Windows NT Users!

Although the 3500Pro/3500ProLE runs on Windows NT 4.0, it is **strongly** suggested that you migrate your operating system to Windows 2000 or Windows XP (Professional). Upgrading your software allows you to take advantage of newer Microsoft technologies that are marginally supported under Windows NT 4.0.


If you are going to install the 3500Pro/3500ProLE under Windows NT 4.0, you **must** install the Microsoft Transaction Server (MTS). The MTS installation package is included in the Windows NT Option Pack available from Microsoft:

<http://www.microsoft.com/ntserver/nts/downloads/recommended/NT4OptPk/default.asp>

The web page provides instructions for installing the service pack. Follow the instructions exactly!

 A yellow downward-pointing triangle with the word 'NOTE' in black capital letters inside.	<p>Microsoft Transaction Server (MTS) must be installed on your machine in order for the 3500Pro/3500ProLE to operate. The installation software provides no indication of whether the MTS software is installed or not. What appears to be a valid installation will not work if the MTS is not already installed.</p> <p>Installing the MTS will require you to reboot your machine.</p>
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1.4 3500Pro/3500ProLE Software Installation Sequence

 A yellow downward-pointing triangle with the word 'NOTE' in black capital letters inside.	<p>Installation of the 3500Pro/3500ProLE must be performed by a user with Administrator privileges. Please refer to your System Administrator for more information about acquiring these privileges.</p>
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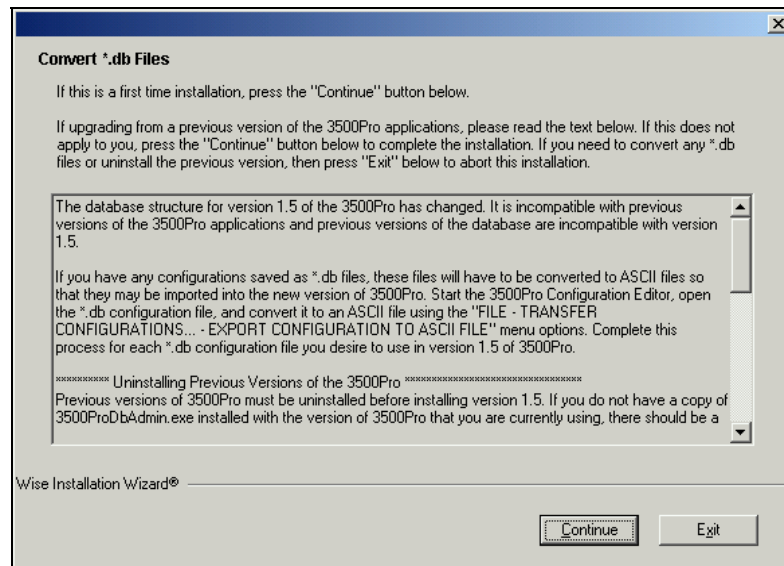
Follow these steps to install the software:

1. Insert the 3500Pro/3500ProLE CD into the CD drive. The installation program should automatically start when the PC recognizes the installation program.

If the program does not automatically start, you can double-click the executable installation program on CD drive. (3500ProVx.xInstall.EXE or 3500ProLEVx.xInstall.EXE depending upon the type of control software you are installing.)



The first dialog encountered during the installation process is a README file about converting the *.db extension files. If this is a first-time installation, the user may just ignore this message and continue.



If this is an upgrade installation from a previous version, the README file explains the necessity and the process to save all configurations that were previously saved as *.db files to *.txt files so that the new *.db file that this upgrade creates can be populated to include the old data that is pertinent to the controller configuration.

The *.db files are the actual database files that contain ALL of the database information and will typically change from version to version. However, after an upgrade, some data in the older version may be required to be included in the new upgrade. That is the reason *.txt files are created from the old *.db files to include just the data that is required to be imported.

2. If you are installing the program on Windows NT and do not have the Microsoft Transaction Server (MTS) installed on your PC, you will see the following message:

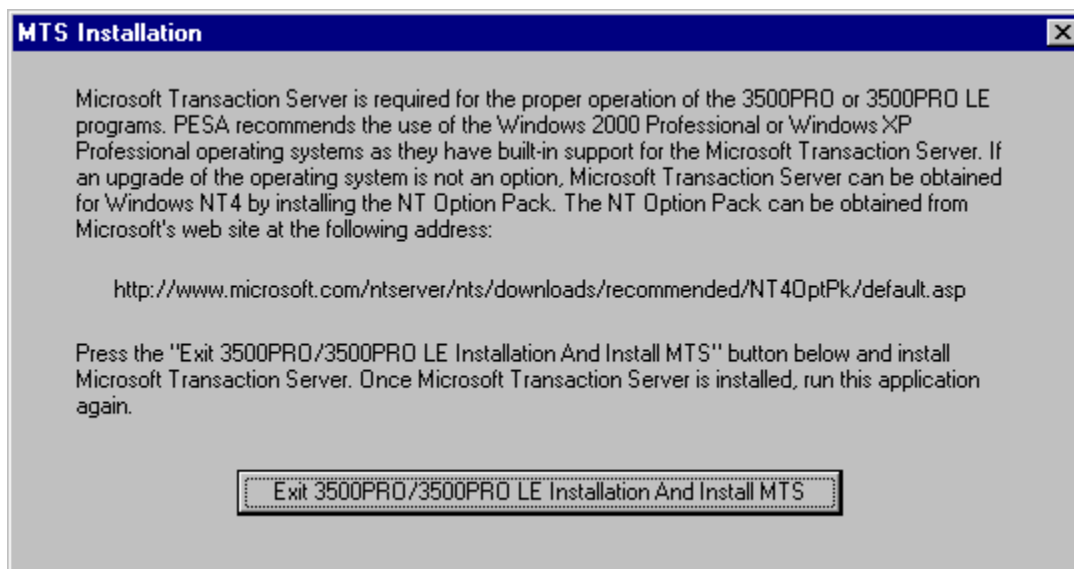


Figure 1: MTS Installation Not Detected

You will need to acquire the Windows NT option pack from Microsoft and install it before continuing with the 3500Pro/3500ProLE installation.

3. The first items installed by the installation program are the Microsoft Data Access Components (MDAC). Select OK in the following window.

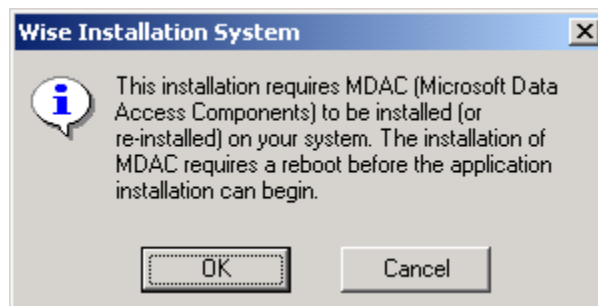



Figure 2: MDAC Installation Notice

	If your computer already has MDAC installed, this step will simply be skipped and you will not need to reboot. Instead, go directly to MSDE installation (Step 4).
---	---

The following prompt displays while the MDAC components are installed.

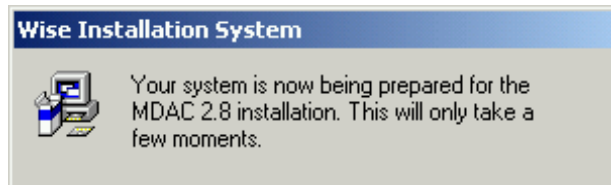


Figure 3: Second MDAC Installation Notice

After MDAC is successfully installed, the following prompt displays. You must reboot your computer to proceed with the installation of 3500Pro/3500ProLE. Make sure all other applications are closed, then select OK in this window.



Figure 4: MDAC Successful Installation Notice

4. After you reboot, the installation program will restart and begin installation of the Microsoft Desktop Engine (MSDE2000). The software will install the installation files into temporary directories on your machine's C drive and then install the software. This process will take a number of minutes to complete.

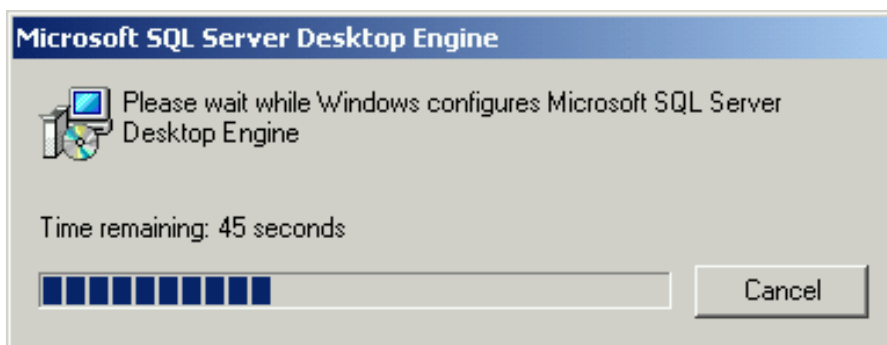



Figure 5: MSDE2000 Install Progress Window



Figure 6: MSDE2000 Install Notice

Upon completion of installing the MSDE2000, the PC will reboot.

	If your computer already has MSDE2000 installed, this step will simply be skipped and your PC will not reboot.
---	---

5. After installation of the MSDE2000, the actual 3500Pro/3500ProLE components are installed. This portion of the install displays a greeting window indicating that you have reached the portion where the actual 3500Pro/3500ProLE is installed.

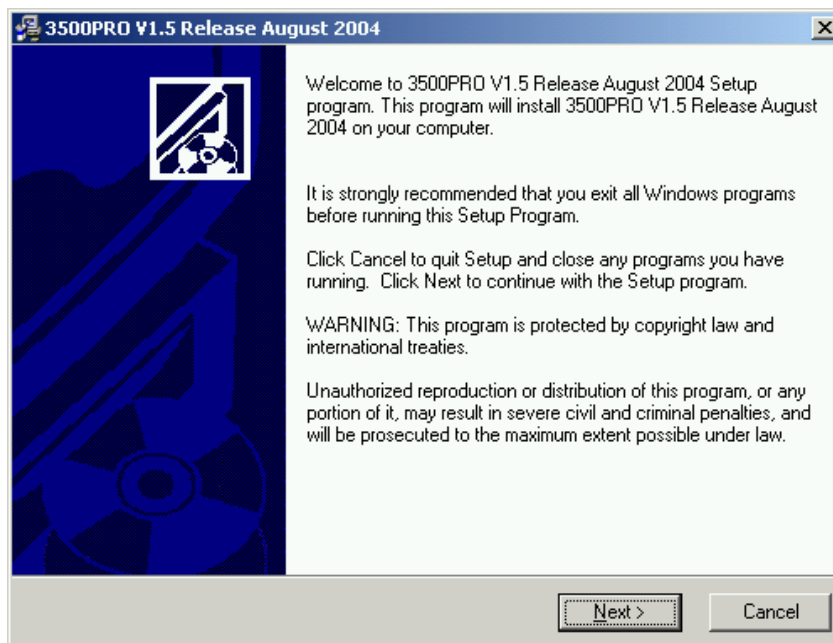


Figure 7: 3500Pro Install Greeting Window

The software then presents End User License Agreement (EULA) for the 3500Pro/3500ProLE. The user must accept the license by clicking the NEXT button for the installation to continue.

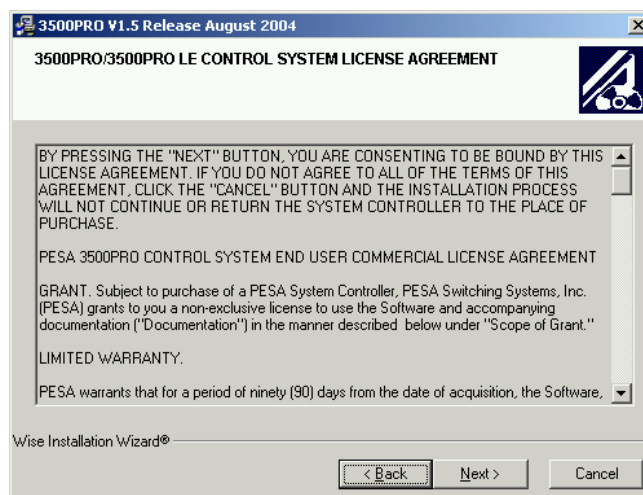


Figure 8: 3500Pro License Agreement

After accepting the license, the software prompts for a location where the 3500Pro/3500ProLE software is to be installed. Use the **Browse** button to select the location for the 3500Pro/3500ProLE software. You can install it in any directory on your computer, or you can create a new directory. When the correct directory location displays in the following window, select **NEXT**.

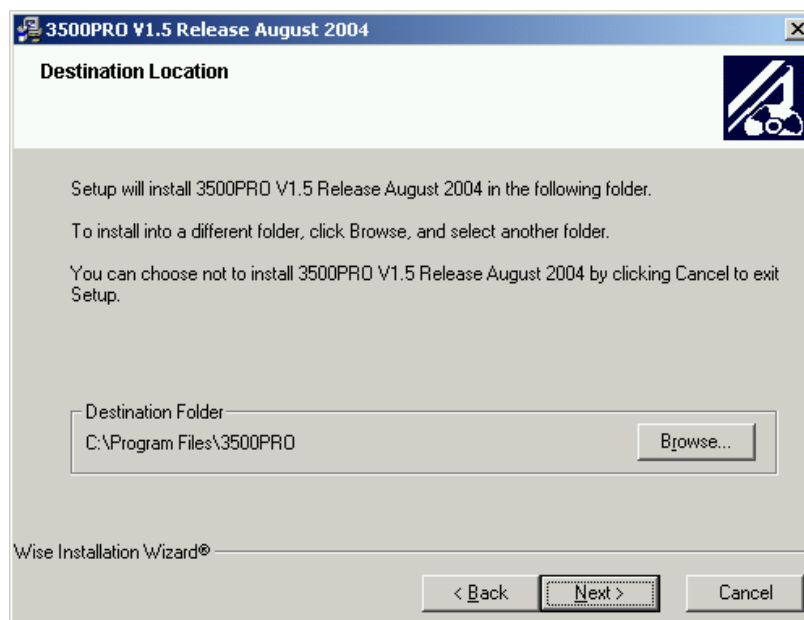


Figure 9: Install Location Window

If you select the **Browse** button, this window will display. Select the drive where you want to install the software. If you want to create a new directory, type in the new directory path in the top of the window. When the correct directory location displays, select **OK**.

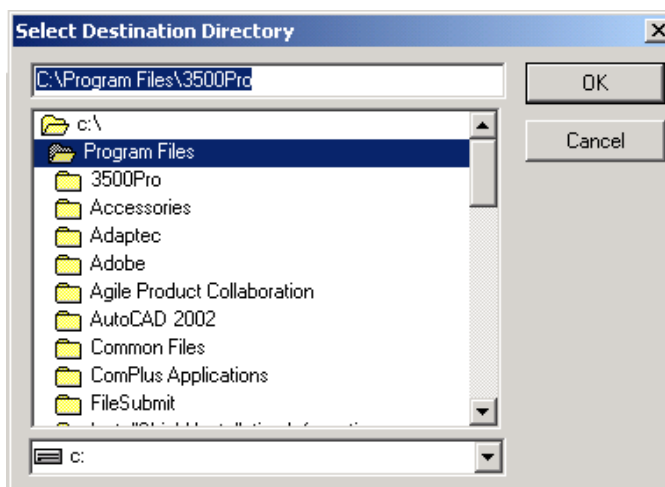


Figure 10: Select Destination Directory Window

Next, select the components you want to install. Each item that you want to install should have a check mark displayed. “Configurator” is the Configuration Editor where you set up configuration files. “Status” is the Status module that allows you to monitor the 3500Pro/3500ProLE system. Select the options you want to install and select NEXT.

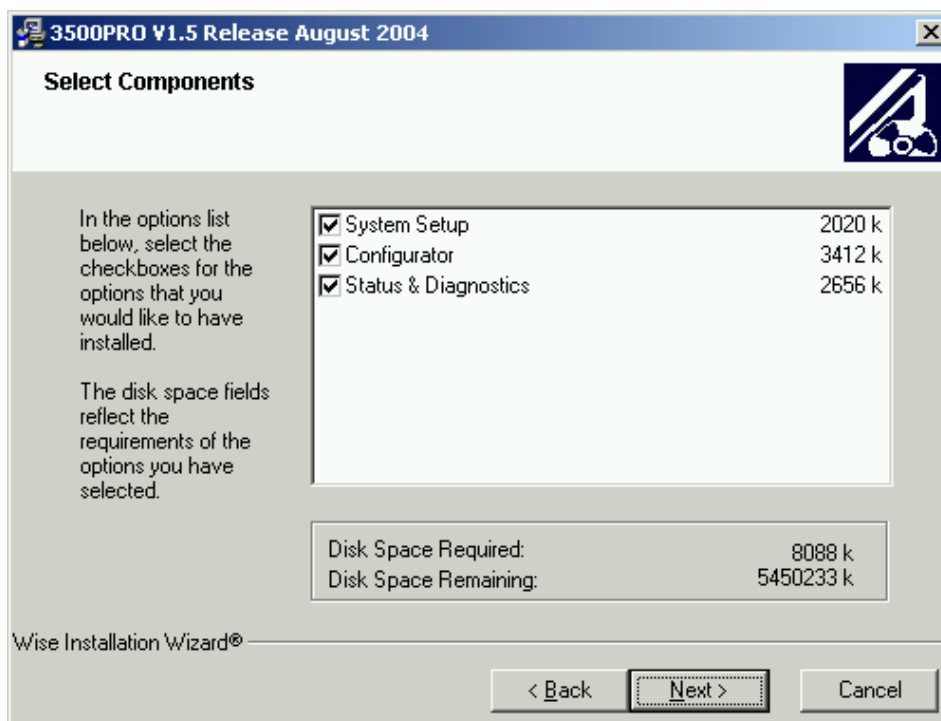


Figure 11: Select Components Window

The resulting screen allows you to add the associated icons of the previously selected components to your desktop.

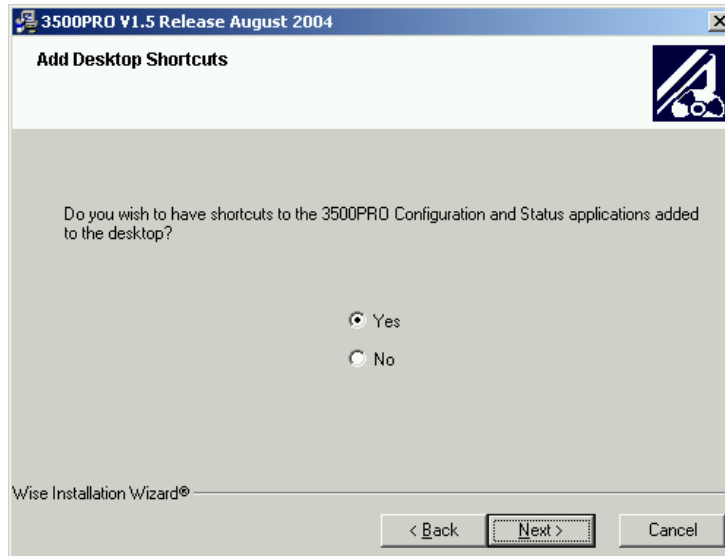


Figure 12: Desktop Icon Selection

If desired, click in the **Yes** radio button. If not desired, click in the **NO** radio button. Then, click on **Next**, which will continue the installation sequence.

6. After the 3500Pro/3500ProLE software has been installed, the 3500Pro COM+ modules are registered with MTS and the runtime database tables are initialized. You do not have to do anything during this process.

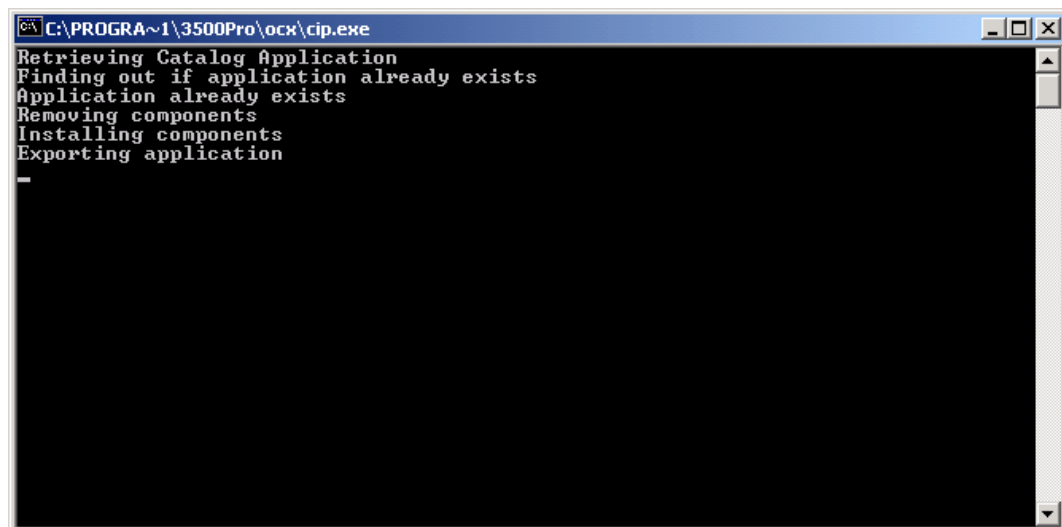


Figure 13: COM+ Registration Installation Progress

After this process completes, the final window displays. Select Finish to complete the software installation process.

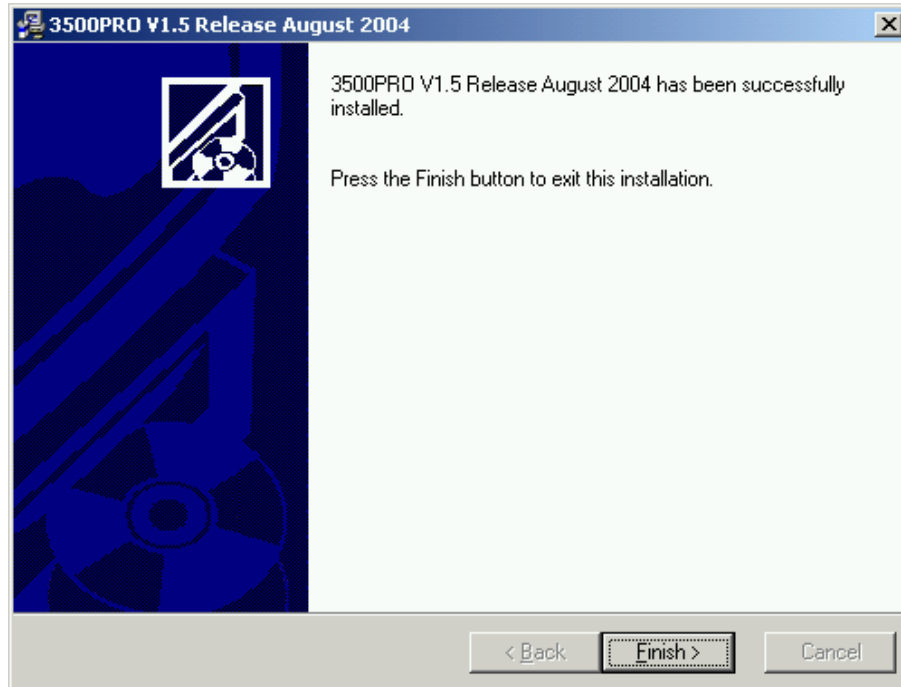


Figure 14: Finish the Installation

The installation of the 3500Pro/3500ProLE is now complete.

You can invoke the 3500Pro/3500ProLE programs through the START menu:

START->PROGRAMS->PESA 3500Pro Vx.x (*where x.x is the current version*)


or:

START->PROGRAMS->PESA 3500ProLE Vx.x

The programs can also be invoked by using the icons installed on the user's desktop.

1.5 Downloading a Configuration to the Controller

You can test the connection between the computer and the controller by downloading a sample configuration file to the controller. A sample file is available on the product CD and is called “cougar combo numeric”.

 A yellow diamond-shaped icon with the word 'CAUTION' in black text.	This will change the settings on the controller. Do not perform these steps if you do not want the current configuration to be overwritten!
---	--

 A yellow triangular icon with the word 'NOTE' in black text.	If you have an existing configuration file, you can use it to test the connection instead of the delivered sample file.
--	--

1. When you are done with all the installation steps, you can open the 3500Pro Configuration Editor by selecting **Start > Programs > 3500Pro > Configuration Editor**.
2. Select **File > New Configuration Database**. Enter a name for the new configuration and select **Open**.
3. The software will ask if you want to create the file. Select **Yes**.
4. Select **File > Transfer Configuration**.
5. Select **Import Configuration From ASCII File**, then select **Execute**.
6. Change to the CD drive with the 3500Pro installation CD. You will see a file called “cougar combo numeric”. Select this file then select **Open**. When **Import is Complete** displays, select **OK**.
7. Now, select **Download Configuration to Controller** and select **Execute**. A prompt asks if you want to continue. Select **OK**.
8. This will send the information in the configuration file you just opened to the controller. You will see:
 - Exporting the configuration to a file
 - Downloading to the Controller
 - Committing the configuration to Flash
 - Configuration Download is complete

Congratulations! You have established a connection.

Now, you can start to customize the configuration file to suit your requirements. Go on to Section III for detailed instructions for adding to your configuration and customizing it for your applications.

