Advantys OTB
Updating Embedded Software

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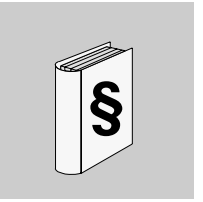
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Safety Information



Important Information

NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a Danger or Warning safety label indicates that an electrical hazard exists, which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates an imminently hazardous situation, which, if not avoided, **will result** in death or serious injury.

⚠ WARNING

WARNING indicates a potentially hazardous situation, which, if not avoided, **can result** in death, serious injury, or equipment damage.

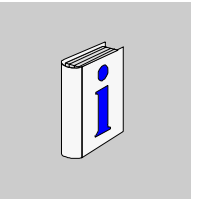
⚠ CAUTION

CAUTION indicates a potentially hazardous situation, which, if not avoided, **can result** in injury or equipment damage.

PLEASE NOTE Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

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About the Book



At a Glance

Document Scope

This guide describes explains how to update embedded software of Advantys OTB modules.

Validity Note

The present guide applies to Advantys OTB modules with a V2.0 or later version embedded software.

Related Documents

Title of Documentation	Reference Number
Instruction sheet for OTB modules	1724121
Instruction sheet for TSX CUSB485 converters	35013735

User Comments

We welcome your comments about this document. You can reach us by e-mail at techpub@schneider-electric.com

Updating Advantys OTB Network Interface Module Hardware

1

At a Glance

Introduction

This chapter deals with setting up the hardware and software required to update the embedded software of Advantys OTB modules using the EXECLoader software.

What's in this Chapter?

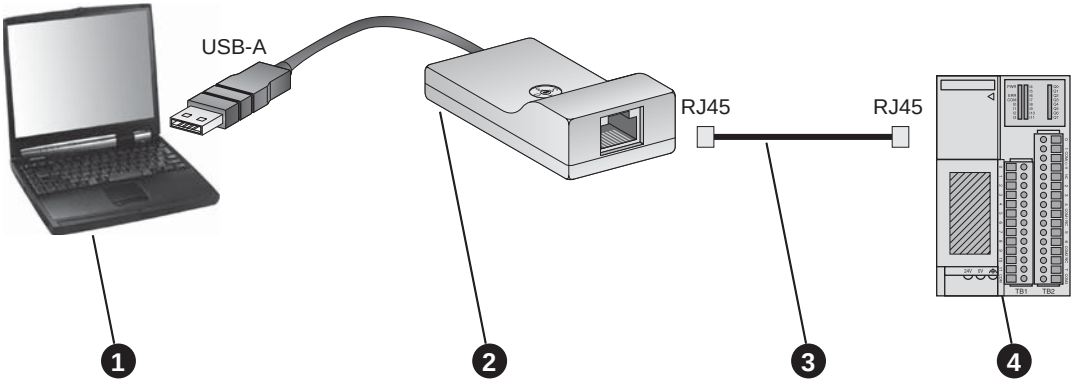
This chapter contains the following topics:

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Hardware Installation

Connections

The hardware connections are illustrated in the diagram below:



Number	Description	Reference
1	PC (Windows 2000 or Windows XP)	-
2	USB converter / RS485	TSX CUSB485
3	Network cable RJ45 / RJ45	VW3 A8306R••
4	Advantys OTB network interface module	OTB 1•0DM9LP

Note: The TSX CUSB485 converter must be shut down and its encoder wheel set to 0 "TER MULTI"

Software Installation

Introduction

The embedded software updates for Advantys OTB modules are available on the FTX ES0• CD and the http://www.telemecanique.com website.

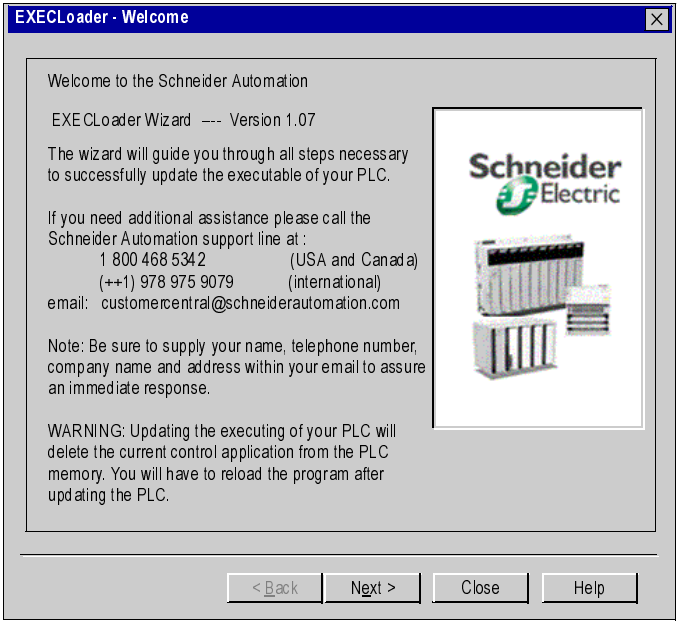
Installation

The EXECLoader software is not installed by default during installation of the Advantys Configuration Tool. To install EXECLoader, you must select the **Complete** or **Custom** installation of the Advantys Configuration Tool.

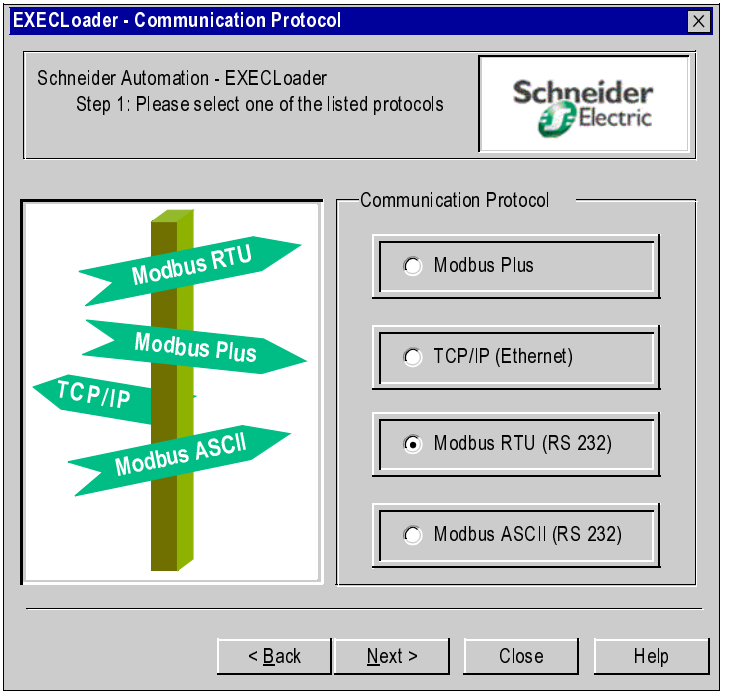
Note: If Advantys Configuration Tool has been installed without EXECLoader, re-launch the Advantys Configuration Tool installation program and choose the **Modify option.**

To update the embedded software of an Advantys OTB module, carefully follow the steps below.

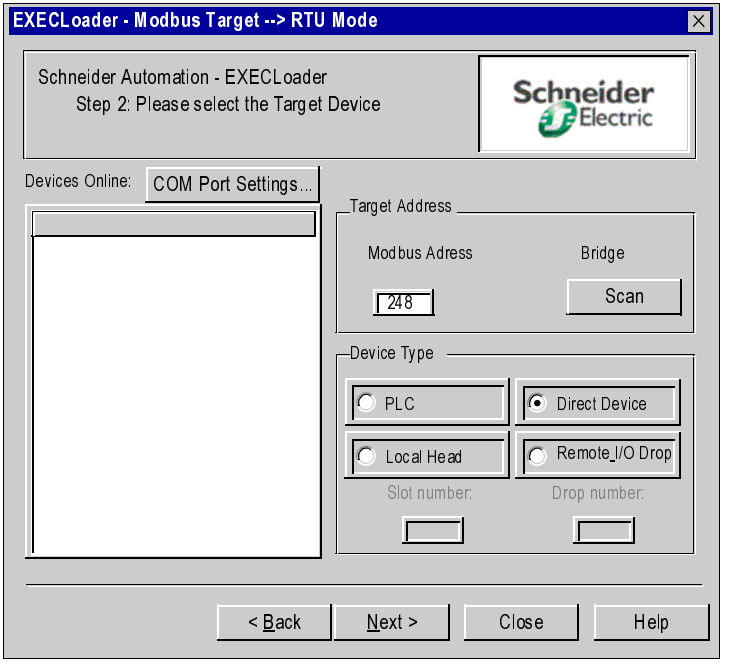
Launching EXECLoader

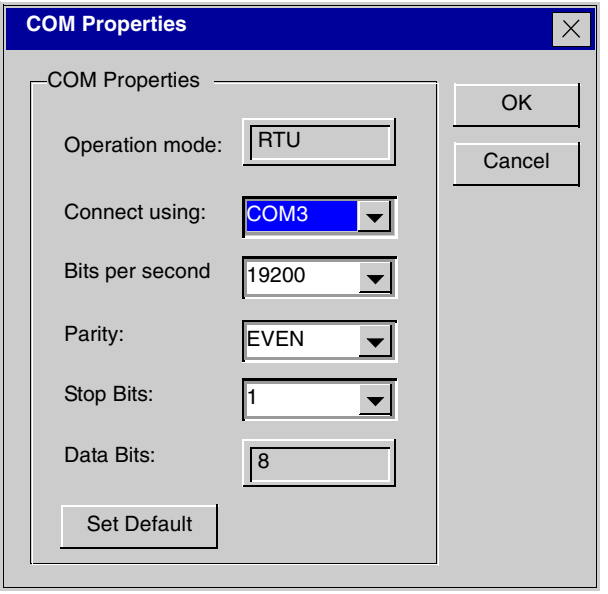
Step	Action
1	Launch the software via **Start** → **Programs** → **Schneider Electric** → **Advantys** → **Firmware Loader**. **Result :** The welcome window below appears. 
2	Click to the next step by clicking **Next>**.

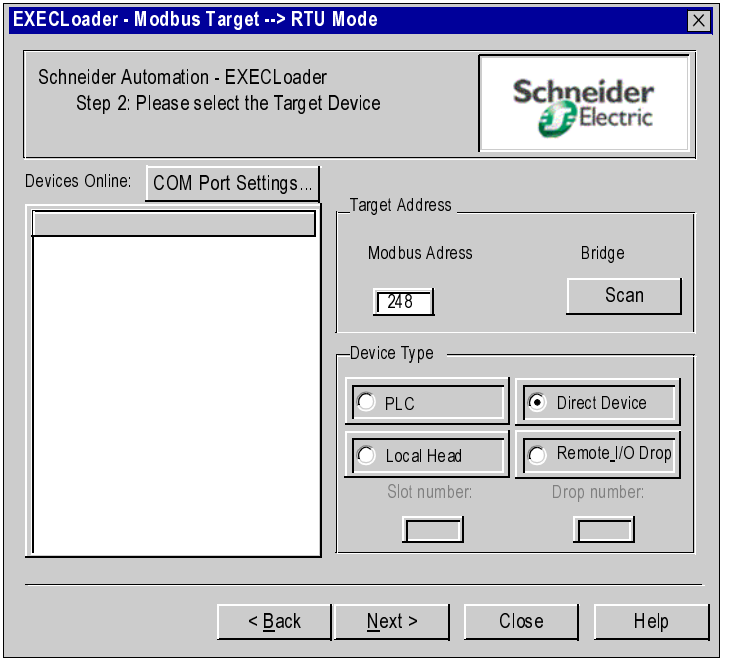
Choosing The Protocol

Step	Action
1	The **Communication Protocol** window opens up: 
2	Choose **Modbus RTU (RS232)**.
3	Click to the next step by clicking **Next>**.

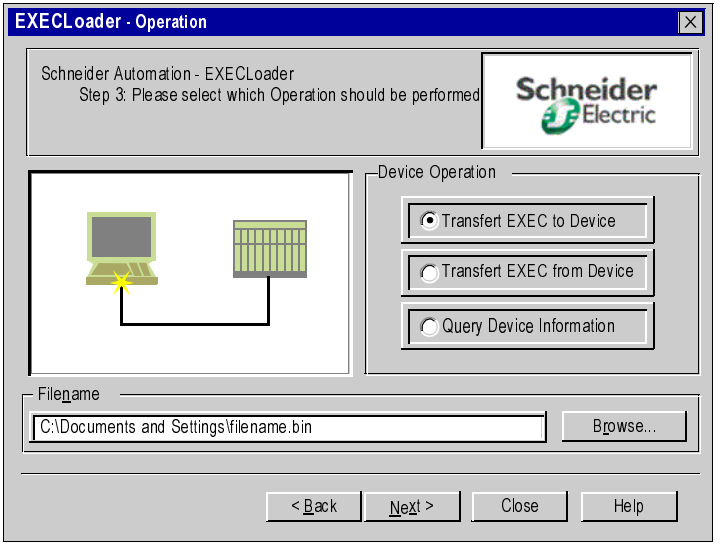
Communication Configuration

Step	Action
1	The **Modbus Target --> RTU Mode** window opens up: 
2	Enter **248** in the **Modbus Address** field.
3	In the **Device Type** zone choose **Direct Device**.
4	Click **COM Port Settings**.

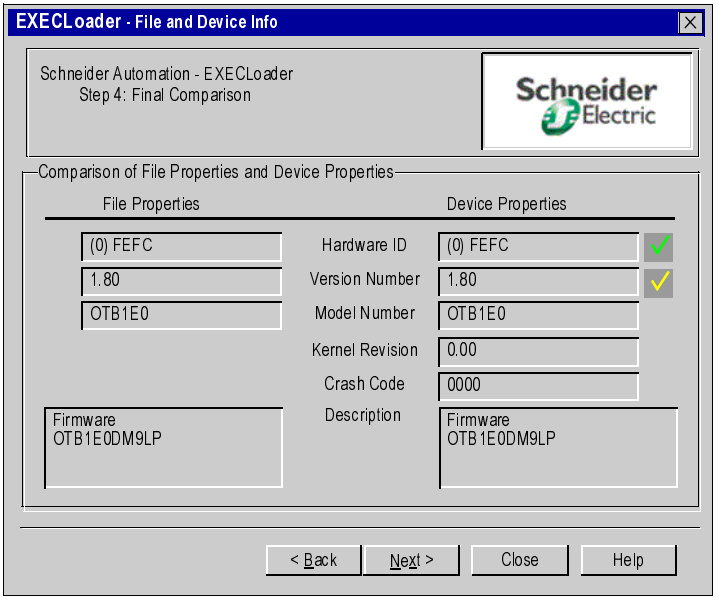
Step	Action
5	The **COM Properties** window opens up:  Configure the parameters as indicated below. **Note:** Choose the port on which the OTB is connected. Click **OK** to continue.

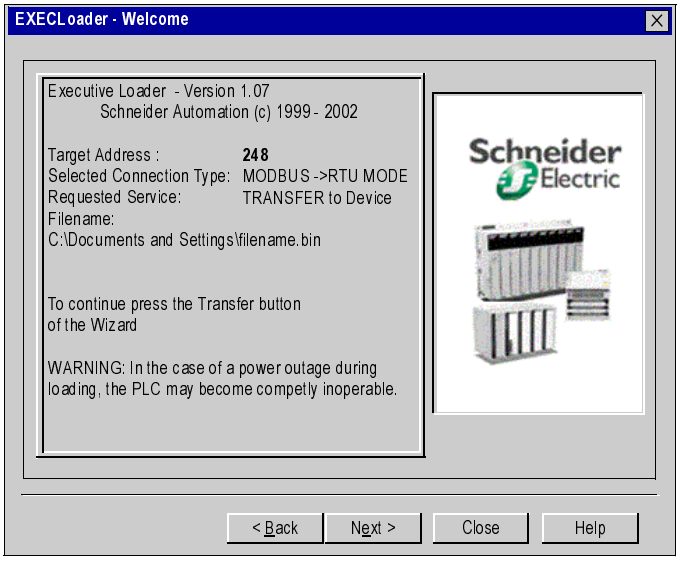
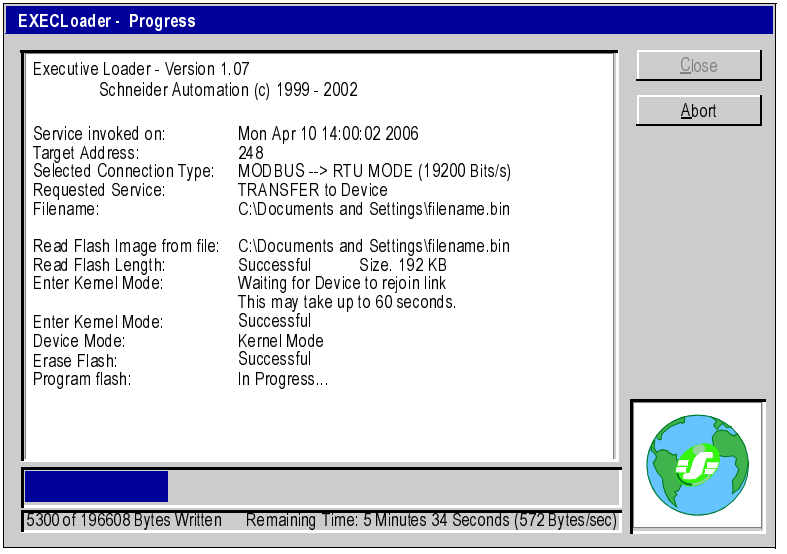
Step	Action
6	The **Modbus Target --> RTU Mode** window opens up:  Click to the next step by clicking **Next>**.

Operation

Step	Action
1	The **Operation** window appears: 
2	Select **Transfer EXEC to Device**. **Note:** The **Filename** field must contain the *.bin file of the embedded software. The **Browse...** button is used to find the *.bin file on the PC.
3	Click to the next step by clicking **Next**.

Downloading The Embedded Software

Step	Action
1	The **File and Device Info** window appears:  You can view information relating to the selected file and the information displayed on the polled module on this page.
2	To be able to update the embedded software, both check marks must be green ✓ or yellow ✓. If one of the 2 check marks is red, the file and the product are incompatible. Click **Next** to continue.

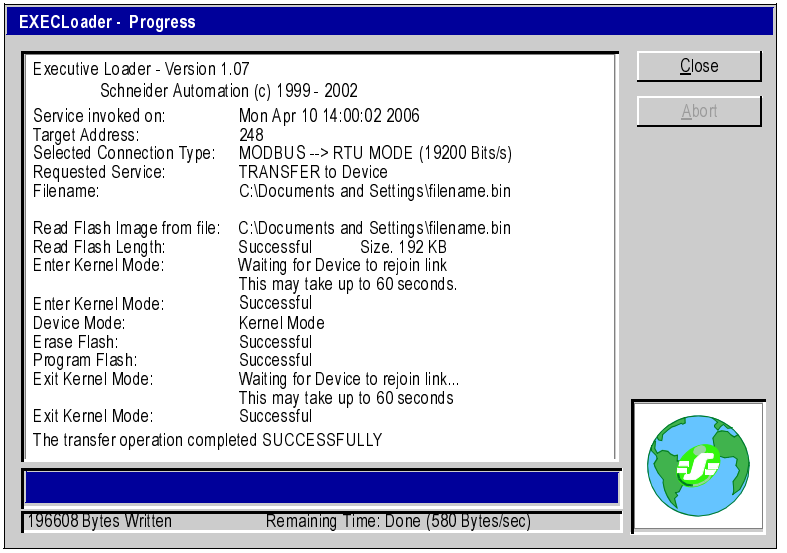
Step	Action
3	The following window appears:  Click **Next** to continue.
4	The following window appears:  The embedded software is downloading in the OTB module.

⚠ CAUTION

UNEXPECTED EQUIPMENT OPERATION

Do not interrupt the download process before completion. The OTB will no longer operate if the download was unsuccessful.

Failure to follow this instruction can result in injury or equipment damage.

Step	Action
5	The window below appears when the embedded software download is complete: 
6	Click **Close** to quit EXECLoaderl.

End of Update The embedded software of the Advantys OTB module is now updated.