

# PL7 Micro/Junior/Pro

## Installation manual

Eng

V4.2



## Related Documentation

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<b>Document set</b>	Further details on installing the different tools (converters, communication drivers, etc.) are given on the documentation CD-ROM supplied with the software.
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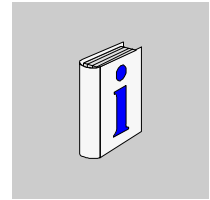
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## About the book



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### At a Glance

<b>Document Scope</b>	This manual is used to install the basic PL7 software.
<b>Validity Note</b>	This document takes into account the changes implemented in PL7 V4.2.
<b>User Comments</b>	We welcome your comments about this document. You can reach us by e-mail at <a href="mailto:TECHCOMM@modicon.com">TECHCOMM@modicon.com</a>

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# Software implementation

# 1

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## Introduction

### Aim of this chapter

This chapter introduces implementation of PL7 operations

### What's in this Chapter?

This Chapter contains the following Maps:

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## Terminal configuration

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**Definition**

The configuration type determines the level of expected performance. Performance of PL7 software can be affected by simultaneously opening several windows, accessing large quantities of animated data, or using a large application.

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**Required operating system**

PL7 V4.2 software requires one of the following operating systems to be present on the terminal:

- Windows 95 OSR2 B,
  - Windows 98 second edition,
  - Windows NT4 SP6,
  - Windows 2000 SP2,
  - Windows ME,
  - Windows XP Computing and Professional.
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**Minimum configuration**

The following table provides the minimum terminal characteristics necessary to implement PL7 software:

Elements	Characteristics	
System	Pentium 150 MHz	
RAM	Windows 95/98/ME 64 Mb	Windows 2000/NT 4.0/XP 128 Mb
Drives	Hard disk	50 Mb for software 25 Mb for temporary directories
	CD-ROM	
Ports	COM serial port available for connection to the PLC (COM 1 to COM 4) Parallel port for printer (LPT1 to LPT4)	
Marking device	Recommended	
Monitor	VGA	

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**Typical configuration**

The following table shows a configuration for attaining optimal PL7 software performance.

Elements	Characteristics	
Systems	Pentium 266 MHz	
RAM	Windows 95/98/ME 128 Mb	Windows 2000/NT 4.0/XP 128 Mb
Drives	Hard disk	50 Mb for software 25 Mb for temporary directories
	CD-ROM	
Ports	COM serial port available for connection to the PLC (COM 1 to COM 4) Parallel port for printer (LPT1 to LPT4)	
Marking device	Yes	
Monitor	VGA or above (SVGA with 24bit color management recommended)	

**Please note:**

A different configuration may be required if other software is used simultaneously with PL7.

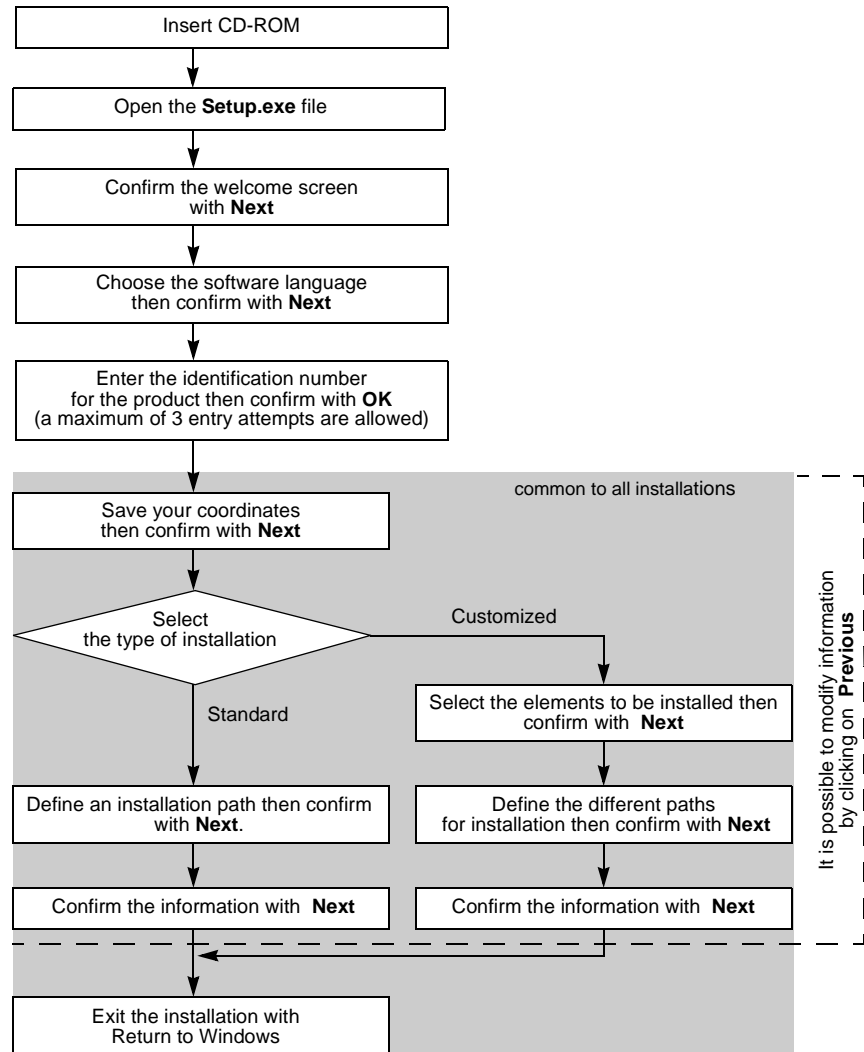
## How to install PL7 for the first time

### Introduction

The first installation procedure is limited to installing the PL7 software without searching for an existing version on the terminal.

### How to install PL7

This procedure describes the different steps for installing the PL7 software.



## How to install PL7 updates and upgrades

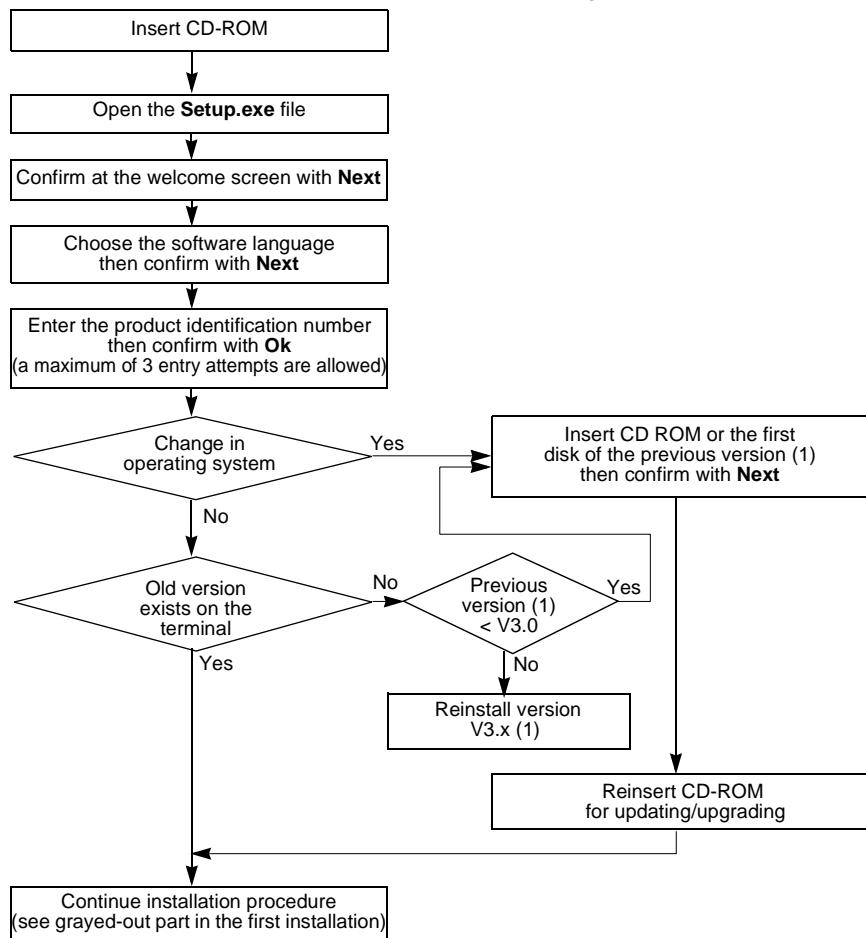
### Introduction

In order to install updates or upgrades of PL7 V4.2 packages, there must be a coherent earlier version already installed on the terminal.

**Note:** If this is not the case, reinstall the earlier version (software package from first installation).

### How to install PL7

This procedure describes the different steps for installing PL7 software.



(1) : First installation software package

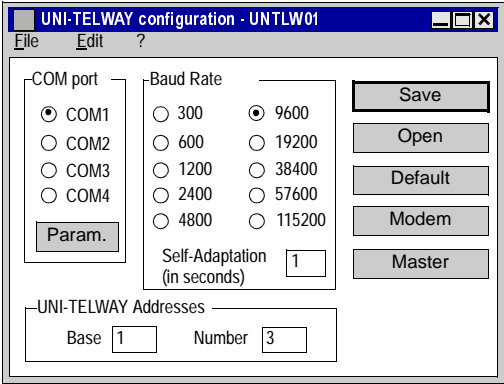
## How to configure the UNITELWAY communication driver using Windows 95

### Introduction

This operation is used to configure the UNITELWAY communication driver according to the characteristics of the PLC terminal port.

### How to configure the UNITELWAY driver

The following table describes the procedure for configuring the UNITELWAY driver.

Step	Action
1	Perform the <b>Start → Program</b> command.
2	Select the <b>Modicon Télémécanique</b> group.
3	Select <b>XWAY Driver Manager</b> .
4	Click on the <b>UNITELWAY</b> tab.
5	Click on the <b>Configuration</b> button. <b>Result:</b> The dialog box shown below will appear: 
6	Configure the communication port ( <b>COM Port</b> field).
7	Click on <b>Save</b> .

## How to configure the Uni-telway communication driver using Windows 98/2000/XP/ME/NT

### Introduction

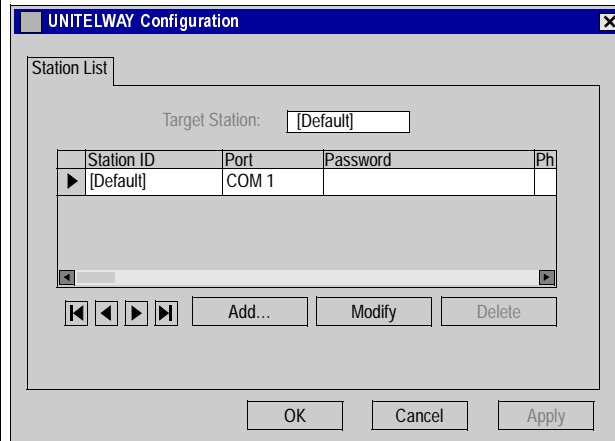
This operation is used to configure the Uni-telway communication driver according to the characteristics of the PLC terminal port.

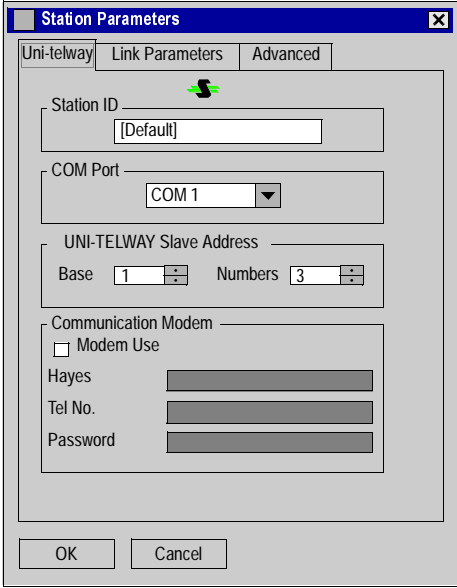
**Note:** For further information on the Uni-telway driver's configuration dialog boxes, please refer to the Drivers manual on the documentation CD-ROM supplied with the PL7 software.

### How to configure the Uni-telway driver

The following table describes the procedure for configuring the Uni-telway driver.

Step	Action
1	Perform the <b>Start</b> → <b>Program</b> command.
2	Select the <b>Modicon Télémécanique</b> group.
3	Select <b>XWAY Driver Manager</b> .
4	Click on the <b>Uni-telway</b> tab.
5	Click on the <b>Configuration</b> button. <b>Result:</b> The dialog box shown below will appear:



Step	Action
6	<p>Click on <b>Add</b>.</p> <p><b>Result:</b> The dialog box shown below will appear:</p> 
7	From the <b>Uni-telway</b> tab, configure the communication port ( <b>COM Port</b> field).
8	Click on <b>Ok</b> .



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## How to run PL7

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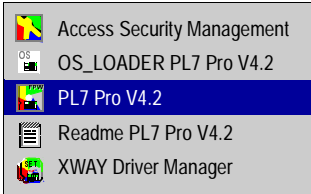
### Introduction

This function allows the user to log on to PL7.

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### How to log on to PL7

The following table describes the procedure for logging on to PL7.

Step	Action
1	Perform the <b>Start</b> → <b>Programs</b> command.
2	Select the <b>Modicon Télémécanique</b> group.
3	Select the software icon. <div></div>

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## How to uninstall PL7

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### Introduction

This operation deletes all PL7 software components from the terminal . However, it does not affect:

- application files,
  - Elements shared by other software (PL7 sys.ini, Config.sys, PL7user, PL7temp,...).
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### How to uninstall PL7

Uninstallation only deletes selected software. Carry out the following operations for each package to be deleted.

Step	Action
1	Execute the command <b>Start</b> → <b>Parameters</b> → <b>Configuration panel</b> → <b>Add/Delete Programs.ConCCcc</b>
2	Select the <b>Install/uninstall</b> tab.
3	Select <b>PL7•••V4.•</b> .
4	Select <b>Add/Delete</b> .
5	Select the elements to be uninstalled (kernel and/or common components),
6	Select <b>OK</b> and confirm with <b>Yes</b> ,
7	Confirm the information screen with <b>OK</b> .

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# Hardware implementation

## 2

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### Connections

#### Introduction

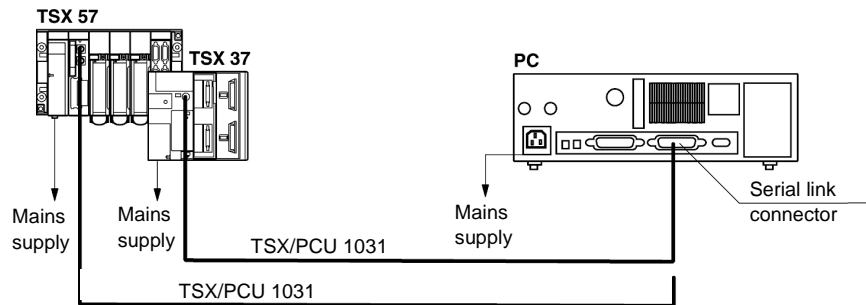
This module deals with connecting the terminal to the PLC by cable. Terminal-specific connections (ie. monitor, keyboard, mouse, printer, mains supply) are described in the manufacturer's documentation.

Other modes of connection are possible such as UNITELWAY bus, Modem (via the telephone network).

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#### PC<-> PLC connection

Connecting PCs requires a 2.5m link cable TSX PCU 1031, supplied with the new software packages (not supplied with the update or upgrade variants).

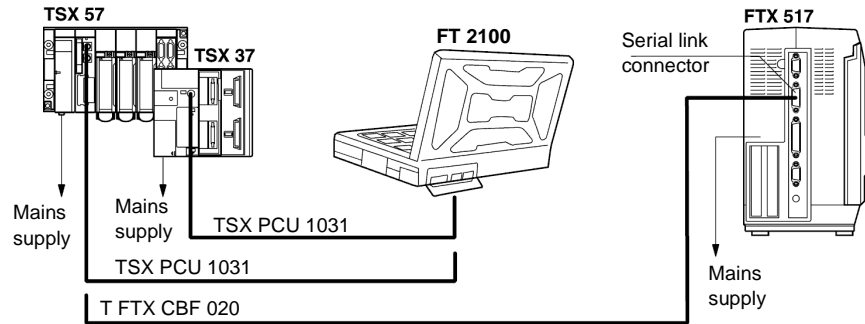


**Note:** The TSX PCU 1031 cable requires the use of the following UNITELWAY driver version or later:

- V7.7 (Windows 95 and 98),
- V1.0 (Windows 2000).
- V1.4 (Windows NT).

**FTX517/FT2100 <  
-> PLC  
connection**

Connection of an FTX 517 terminal requires a 2.5m T FTX CBF 020 link cable.  
Connection of an FT 2100 terminal requires a 2.5m cable link TSX PCU 1031, supplied with the new software versions (not supplied with the update and upgrade versions).



**Note:** The TSX PCU 1031 cable requires the use of the following UNITELWAY driver version or later:

- V7.7 (Windows 95 and 98),
- V1.0 (Windows 2000).
- V1.4 (Windows NT).