Drivers
Windows 98 and Windows 2000
TLX CD DR VM eng V4.0
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About the book

At a Glance

Document Scope
This document deals with the installation of communication drivers for Windows 98 and Windows 2000 operating systems.

Validity Note
The updated version of this documentation only takes into account changes relating to Windows 98 and Windows 2000 operating systems.

Related Documents

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<thead>
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<th>Title of Documentation</th>
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<tr>
<td>PCMCIA FIPWAY/FIPIO Module - User manual</td>
<td>TSX DM FPP K200M</td>
</tr>
<tr>
<td>FIP TSX FPC 10 Module - Installation manual</td>
<td>TSX DM FPC 10M</td>
</tr>
<tr>
<td>ETHWAY Network module - Installation manual</td>
<td>TSX DM ETH PC101M</td>
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User Comments
We welcome your comments about this document. You can reach us by e-mail at TECHCOMM@modicon.com
Uni-telway driver

At a Glance

What's in this Part?
This Part describes how to install the drivers associated with Uni-telway communication for Windows 98 and Windows 2000 operating systems.

If you are installing the Uni-telway driver for Windows 95 and Windows NT operating systems, please refer to the following document(s):

<table>
<thead>
<tr>
<th>Title</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation and start-up guide for PL7</td>
<td>TLX DI PL7 40</td>
</tr>
</tbody>
</table>

What's in this part?
This Part contains the following Chapters:

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<thead>
<tr>
<th>Chapter</th>
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<th>Page</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>Windows 98</td>
<td>11</td>
</tr>
<tr>
<td>2</td>
<td>Windows 2000</td>
<td>29</td>
</tr>
</tbody>
</table>
Windows 98

At a Glance

Subject of this Chapter

This Chapter describes the installation and configuration of drivers for Windows 98.

What’s in this Chapter?

This Chapter contains the following Sections:

<table>
<thead>
<tr>
<th>Section</th>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Serial port</td>
<td>13</td>
</tr>
<tr>
<td>1.2</td>
<td>TSX SCP 114 card</td>
<td>22</td>
</tr>
</tbody>
</table>
1.1 Serial port

At a Glance

Subject of this Section
This driver is used to communicate with a remote device in Uni-telway slave mode on the serial port.

Driver installation consists of two steps:
- the actual installation of files on the station,
- configuration of the driver.

What's in this Section?
This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>14</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>16</td>
</tr>
<tr>
<td>Configuration parameters</td>
<td>17</td>
</tr>
<tr>
<td>How to configure the driver</td>
<td>20</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

**Note:** The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station with a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

**Note:** it is advisable to number the disks.

Preliminary operations

Before installing the new driver, you must check that there is no previous version (Windows 95) on the station.

If a driver does exist, you must delete it before carrying out the new installation.

A previous version can be uninstalled using:
- X-WAY Driver Manager software,
- or the Control Panel → Add/Remove Programs.
How to install the driver

To install the driver, carry out the following procedure:

1. **Start of installation**

2. **Installation by CD-ROM?**
   - Yes:
     - Insert CD-ROM in CD-ROM drive
   - No:
     - Insert the 1st disk in the drive

3. **Appearance of README.HTM file?**
   - Yes:
     - Click on the link which corresponds to the driver to be installed
     - Access the directory of the driver to be installed
     - Access the directory corresponding to the operating system
     - Access the directory DISK1
     - Double click on the file SETUP.EXE
     - Choose **Run this program from its current location** then confirm by clicking on **OK**
     - Click on **Next**
     - Choose the destination directory to which the configuration programs are to be copied using the **Browse** button:
     - Confirm the path with **Next**
     - Select the program folder **Modicon Telemecanique**
     - Confirm the path with **Next**
     - Configure the driver then close the configuration screen
     - Restart the computer
     - End of installation

   - No:
     - Note: No restriction on the destination directory

4. **No**
Driver configuration tool

At a Glance
The configuration tool is used to link a driver configuration profile to a remote device that communicates with the station.

Illustration
The screen dedicated to the Uni-telway driver looks like this:

Description
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This field is used to display the active profile.</td>
</tr>
<tr>
<td>2</td>
<td>This list is used to display the driver profile associated with each remote device.</td>
</tr>
<tr>
<td>3</td>
<td>These buttons are used to select the driver profile.</td>
</tr>
<tr>
<td>4</td>
<td>This button is used to add new profiles to the list.</td>
</tr>
<tr>
<td>5</td>
<td>This button is used to modify the profile of the driver selected from the list.</td>
</tr>
<tr>
<td>6</td>
<td>This button is used to remove a profile from the list.</td>
</tr>
<tr>
<td>7</td>
<td>This button is used to make the profile selected with the cursor active.</td>
</tr>
</tbody>
</table>
Configuration parameters

At a Glance

Driver configuration parameters are divided into three categories:
- Uni-telway parameters,
- line parameters,
- advanced parameters.

These parameters can be accessed when entering a new profile or modifying an existing profile. See Driver configuration tool, p. 16.

Uni-telway parameters

The parameters are presented in the following manner:

- The **Station ID** window is used to name the remote device associated with the driver configuration.
- The **COM Port** window is used to select the communication port used.
- The **Uni-telway Slave Address** window is used to enter:
  - the standard slave address of the driver,
  - the number of slave addresses used by the driver.
The **Modem Communication** window is useful when the local station is communicating via a modem. In this case, this window is used to enter:

- the HAYES string to be sent to the modem in order to initialize it,
- the call number of the remote device,
- the password to be sent to the remote device, if it has been configured with a list of callers with passwords (e.g.: TSX MDM 10 card configured with passwords).

### Line parameters

The parameters are presented in the following manner:

- **Baud Rate**: transmission speed of between 300 and 115 200 bits/s,
- **Self Adaptation** of speed: time during which the driver tries to connect at a given speed,
- **Data Bits**: specifies the size of the data exchanged over the line,
- **Parity**: is used to set whether a parity bit is added or not, as well as its type,
- **number of Stop Bits**: is used to enter the number of stop bits used for communication,
- **RTS/CTS Delay**: enables the CTS signal to be used in the event of multidrop communication.

The Default button is used to reset all these parameters to their default value.
Advanced parameters

The parameters are presented in the following manner:

- **Link Type**
  - **PC**: uses the driver to connect to a series 7 PLC terminal port.
  - **Uni-telway**: default value, uses the driver to communicate in Uni-telway.
  - **Num PLC**: uses the driver to connect to NUM PLCs.

- **RX/TX Delay**: by default set to –1; is used to extend the return time (if the station is too fast).
- **Link Timeout**: by default set to –1; is used to set the maximum time for detecting the right transmission speed.

This tab is used to configure the line type:

- **PC**: uses the driver to connect to a series 7 PLC terminal port.
- **Uni-telway**: default value, uses the driver to communicate in Uni-telway.
- **Num PLC**: uses the driver to connect to NUM PLCs.
How to configure the driver

At a Glance

During driver installation, a default profile is proposed. This profile can be modified or a new one created.

How to create a new profile

From the driver configuration screen.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | Click on the Add Station... button.  
   Result: you have access to the configuration parameters. |
| 2    | Enter station name. |
| 3    | Select COM port. |
| 4    | Define the driver slave address. |
| 5    | If the driver uses a modem to communicate, select the Use modem box and enter the different fields associated with it. |
| 6    | Select the Line Parameters tab. |
| 7    | Configure the transmission parameters according to the remote device (baud rate, parity, data bits, etc.). |
| 8    | If the driver requires specific configuration, click on the Advanced tab and configure the parameters according to the remote device. |
| 9    | Accept the configuration by clicking on OK.  
   Result: the new configuration appears in the list. |
### How to modify a profile

From the driver configuration screen.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select a configuration profile from the list. Result: the cursor moves to the selected line.</td>
</tr>
<tr>
<td>2</td>
<td>Click on the <strong>Edit</strong>... button. Result: you have access to the configuration parameters.</td>
</tr>
<tr>
<td>3</td>
<td>Modify the parameters according to the remote device.</td>
</tr>
<tr>
<td>4</td>
<td>Select the <strong>Line Parameters</strong> tab and modify the transmission parameters according to the remote device (speed, parity, data, etc.).</td>
</tr>
<tr>
<td>5</td>
<td>If the driver requires specific configuration, click on the <strong>Advanced</strong> tab and modify the parameters according to the remote device.</td>
</tr>
<tr>
<td>6</td>
<td>Accept the configuration by clicking on <strong>OK</strong>. Result: the new configuration appears in the list.</td>
</tr>
</tbody>
</table>

### How to remove a profile

From the driver configuration screen.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select a configuration profile from the list. Result: the cursor moves to the selected line.</td>
</tr>
<tr>
<td>2</td>
<td>Click on <strong>Delete</strong>.</td>
</tr>
<tr>
<td>3</td>
<td>Press the <strong>Yes</strong> button to confirm your choice. Result: the configuration is removed from the list.</td>
</tr>
</tbody>
</table>

### How to activate a profile

From the driver configuration screen.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select a profile from the list. Result: the cursor moves to the selected line.</td>
</tr>
<tr>
<td>2</td>
<td>Click on the <strong>Apply</strong> button.</td>
</tr>
</tbody>
</table>
1.2 TSX SCP 114 card

At a Glance

Subject of this Section
This driver is used to communicate with a remote device in Uni-telway slave mode via the TSX SCP 114 PCMCIA card.

Driver installation consists of three steps:
- the actual installation of files on the station,
- configuration of the driver,
- configuration of the operating system to recognize the driver.

What's in this Section?
This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>23</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>25</td>
</tr>
<tr>
<td>Configuration parameters</td>
<td>26</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>27</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:

- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

**Note:** The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the <strong>DISK1</strong> directory onto a disk. Repeat this step for each <strong>DISK</strong> directory.</td>
</tr>
</tbody>
</table>

**Note:** It is advisable to number the disks.
How to install the driver

To install the driver, carry out the following procedure:

Start of installation

Installation by CD-ROM?

Yes

Insert CD-ROM in CD-ROM drive

No

Insert the 1st disk in the drive

Appearance of README.HTM file?

Yes

Click on the link which corresponds to the driver to be installed

No

Access the directory of the driver to be installed

Access the directory corresponding to the operating system

Access the directory DISK1

Double click on the file SETUP.EXE

Click on Next

Choose the destination directory to which the configuration programs are to be copied using the Browse button.

Confirm the path with Next

Select the program folder Modicon Telemecanique

Confirm the path with Next

Configure the driver then close the configuration screen

Restart the computer

End of installation

Note: No restriction on the destination directory
Driver configuration tool

At a Glance
The configuration tool is used to configure the TSX SCP 114 card Uni-telway driver.

Illustration
The screen dedicated to the Uni-telway driver looks like this:

Description
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This window is used to set the standard slave address (Ad0) used by the card.</td>
</tr>
<tr>
<td>2</td>
<td>This button is used to recognize the address.</td>
</tr>
<tr>
<td>3</td>
<td>This tab is used to access the configuration of transmission parameters.</td>
</tr>
</tbody>
</table>
Configuration parameters

At a Glance

Driver configuration parameters are divided into two categories:
- Uni-telway parameters (see Driver configuration tool, p. 25),
- line parameters.

Line parameters

The parameters are presented in the following manner:

This tab is used to configure the parameters linked to transmission:
- **Baud Rate**: transmission speed of between 300 and 19 200 bits/s,
- **Time-out delay**,
- **Data Bits**: specifies the size of the data exchanged over the line,
- **Parity**: is used to set whether a parity bit is added or not, as well as its type,
- number of **Stop Bits**: is used to enter the number of stop bits used for communication,
- **RTS/CTS Delay**: enables the CTS signal to be used in the event of multidrop communication.

The **Default** button is used to reset all these parameters to their default value.
Configuration of the operating system

At a Glance

After the driver installation and configuration phase, the operating system shall recognize the TSX SCP 114 card and its driver.

Note: So that the driver is loaded when the card is inserted, it is essential that the station is restarted to update the registry.

How to configure the operating system

The following procedure describes how to configure the operating system:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Install and configure the driver.</td>
</tr>
<tr>
<td>2</td>
<td>Restart the station.</td>
</tr>
<tr>
<td>3</td>
<td>Insert the PCMCIA card into its slot.</td>
</tr>
</tbody>
</table>

Result:
The system automatically detects the card and the following window is displayed:

4 Select the option Windows default driver.
5 Confirm with OK.
Windows 2000

At a Glance

Subject of this Chapter

This Chapter describes the installation and configuration of drivers for Windows 2000.

What's in this Chapter?

This Chapter contains the following Sections:

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<tr>
<th>Section</th>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Serial port</td>
<td>31</td>
</tr>
<tr>
<td>2.2</td>
<td>TSX SCP 114 card</td>
<td>40</td>
</tr>
</tbody>
</table>
2.1 Serial port

At a Glance

Subject of this Section
This driver is used to communicate with a remote device in Uni-telway slave mode on the serial port.

Driver installation consists of two steps:
- the actual installation of files on the station,
- configuration of the driver.

What's in this Section?

This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>32</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>34</td>
</tr>
<tr>
<td>Configuration parameters</td>
<td>35</td>
</tr>
<tr>
<td>How to configure the driver</td>
<td>38</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

Note: The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: it is advisable to number the disks.

Preliminary operations

Before installing the new driver, you must check that there is no Windows NT4 version on the station.

If a driver does exist, you must delete it before carrying out the new installation.

A previous version can be uninstalled using:
- X-WAY Driver Manager software,
- or the Control Panel → Add/Remove Programs.
How to install the driver

To install the driver, carry out the following procedure:

Start of installation

Installation by CD-ROM?

Yes

Insert CD-ROM in CD-ROM drive

No

Insert the 1st disk in the drive

Appearance of README.HTM file?

Yes

Click on the link which corresponds to the driver to be installed

Choose Run this program from its current location then confirm by clicking on OK

No

Access the directory of the driver to be installed

Access the directory corresponding to the operating system

Access the directory DISK1

Double click on the file SETUP.EXE

Choose the destination directory to which the configuration programs are to be copied using the Browse button.

Confirm the path with Next

Select the program folder Modicon Telemecanique

Confirm the path with Next

Configure the driver then close the configuration screen

End of installation

Note: No restriction on the destination directory
**Driver configuration tool**

**At a Glance**
The configuration tool is used to link a driver configuration profile to a remote device that communicates with the station.

**Illustration**
The screen dedicated to the Uni-telway driver looks like this:

![Configuration Screen Diagram](image)

**Description**
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This field is used to display the active profile.</td>
</tr>
<tr>
<td>2</td>
<td>This list is used to display the driver profile associated with each remote device.</td>
</tr>
<tr>
<td>3</td>
<td>These buttons are used to select the driver profile.</td>
</tr>
<tr>
<td>4</td>
<td>This button is used to add new profiles to the list.</td>
</tr>
<tr>
<td>5</td>
<td>This button is used to modify the profile of the driver selected from the list.</td>
</tr>
<tr>
<td>6</td>
<td>This button is used to remove a profile from the list.</td>
</tr>
<tr>
<td>7</td>
<td>This button is used to make the profile selected with the cursor active.</td>
</tr>
</tbody>
</table>
Configuration parameters

At a Glance

Driver configuration parameters are divided into three categories:
- Uni-telway parameters,
- line parameters,
- advanced parameters.

These parameters can be accessed whilst entering a new configuration profile or modifying an existing one. See Driver configuration tool, p. 34.

Uni-telway parameters

The parameters are presented in the following manner:

The Station ID window is used to name the remote device associated with the driver configuration.

The COM Port window is used to select the communication port used.

The Uni-telway slave address window is used to enter:
- the standard slave address of the driver,
- the number of slave addresses used by the driver.
The **Modem Communication** window is useful when the local terminal is communicating via a modem. In this case, this window is used to enter:

- the HAYES string to be sent to the modem in order to initialize it,
- the call number of the remote device,
- the password to be sent to the remote device (if it has been configured) with a list of callers with passwords (e.g.: TSX MDM 10 card configured with passwords).

### Line parameters

The parameters are presented in the following manner:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Baud Rate</strong></td>
<td>transmission speed of between 300 and 115 200 bits/s,</td>
</tr>
<tr>
<td><strong>Self Adaptation</strong></td>
<td>time during which the driver tries to connect at a given speed,</td>
</tr>
<tr>
<td><strong>Data Bits</strong></td>
<td>specifies the size of the data exchanged over the line,</td>
</tr>
<tr>
<td><strong>Parity</strong></td>
<td>is used to set whether a parity bit is added or not, as well as its type,</td>
</tr>
<tr>
<td><strong>Stop Bits</strong></td>
<td>is used to enter the number of stop bits used for communication,</td>
</tr>
<tr>
<td><strong>RTS/CTS Delay</strong></td>
<td>enables the CTS signal to be used in the event of multidrop communication,</td>
</tr>
</tbody>
</table>

This tab is used to configure the parameters linked to transmission:

- **Baud Rate**: transmission speed of between 300 and 115 200 bits/s,
- **Self Adaptation** of speed: time during which the driver tries to connect at a given speed,
- **Data Bits**: specifies the size of the data exchanged over the line,
- **Parity**: is used to set whether a parity bit is added or not, as well as its type,
- **number of Stop Bits**: is used to enter the number of stop bits used for communication,
- **RTS/CTS Delay**: enables the CTS signal to be used in the event of multidrop communication.

The Default button is used to reset all these parameters to their default value.
Advanced parameters

The parameters are presented in the following manner:

This tab is used to configure the line type:

- **PC**: uses the driver to connect to a series 7 PLC terminal port.
- **Uni-telway**: default value, uses the driver to communicate in Uni-telway.
- **Num PLC**: uses the driver to connect to NUM PLCs.
  - **RX/TX Delay**: by default set to –1; is used to extend the return time (if the station is too fast).
  - **Link Timeout**: by default set to –1; is used to set the maximum time for detecting the right transmission speed.
How to configure the driver

At a Glance
During driver installation, a default profile is proposed. You are able to modify this profile or create a new one.

How to create a new profile
From the driver configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | Click on the Add Station... button.  
**Result:** you have access to the configuration parameters. |
| 2    | Enter station name. |
| 3    | Select **COM port**. |
| 4    | Define the driver slave address. |
| 5    | If the driver uses a modem to communicate, select the **Use modem** box and enter the different fields associated with it. |
| 6    | Select the **Line Parameters** tab. |
| 7    | Configure the transmission parameters according to the remote device (baud rate, parity, data bits, etc.). |
| 8    | If the driver requires specific configuration, click on the **Advanced** tab and configure the parameters according to the remote device. |
| 9    | Accept the configuration by clicking on **OK**.  
**Result:** the new configuration appears in the list. |
How to modify a profile

From the driver configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | Select a configuration profile from the list.  
**Result:** the cursor moves to the selected line. |
| 2    | Click on the Edit... button.  
**Result:** you have access to the configuration parameters. |
| 3    | Modify the parameters according to the remote device. |
| 4    | Select the Line Parameters tab and modify the transmission parameters according to the remote device (baud rate, parity, data bits, etc.). |
| 5    | If the driver requires specific configuration, click on the Advanced tab and modify the parameters according to the remote device. |
| 6    | Accept the configuration by clicking on OK.  
**Result:** the new configuration appears in the list. |

How to remove a profile

From the driver configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | Select a configuration profile from the list.  
**Result:** the cursor moves to the selected line. |
| 2    | Click on the Remove button. |
| 3    | Press the Yes button to confirm your choice.  
**Result:** the configuration is removed from the list. |

How to activate a profile

From the driver configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | Select a profile from the list.  
**Result:** the cursor moves to the selected line. |
| 2    | Click on the Apply button. |
2.2 TSX SCP 114 card

At a Glance

Subject of this Section

This driver is used to communicate with a remote device in Uni-telway slave mode via the TSX SCP 114 PCMCIA card.

Driver installation consists of three steps:
- the actual installation of files on the station,
- configuration of the driver,
- configuration of the operating system to recognize the driver.

What's in this Section?

This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>41</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>43</td>
</tr>
<tr>
<td>Configuration parameters</td>
<td>44</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>45</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

| Note: The installation disks are created from the CD-ROM. |

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

| Note: it is advisable to number the disks. |
How to install the driver

To install the driver, carry out the following procedure:

Start of installation

Installation by CD-ROM?

Yes

No

Insert the 1st disk in the drive

Insert CD-ROM in CD-ROM drive

Appearance of README.HTM file?

Yes

No

Access the directory of the driver to be installed

Access the directory corresponding to the operating system

Access the directory DISK1

Double click on the file SETUP.EXE

Click on Next

Choose Run this program from its current location then confirm by clicking on OK

Choose the destination directory to which the configuration programs are to be copied using the Browse button.

Confirm the path with Next

Select the program folder Modicon Telemecanique

Confirm the path with Next

Configure the driver then close the configuration screen

End of installation

Note: No restriction on the destination directory
Driver configuration tool

At a Glance
The configuration tool is used to configure the TSX SCP 114 card Uni-telway driver.

Illustration
The screen dedicated to the Uni-telway driver looks like this:

Description
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This window is used to set the standard slave address (Ad0) used by the card.</td>
</tr>
<tr>
<td>2</td>
<td>This button is used to recognize the address.</td>
</tr>
<tr>
<td>3</td>
<td>This tab is used to access the configuration of transmission parameters.</td>
</tr>
</tbody>
</table>
Configuration parameters

At a Glance

Driver configuration parameters are divided into two categories:
- Uni-telway parameters (see Driver configuration tool, p. 43),
- line parameters.

Line parameters

The parameters are presented in the following manner:

This tab is used to configure the parameters linked to transmission:
- **Baud Rate**: transmission speed of between 300 and 19 200 bits/s,
- **Time-out delay**,
- **Data Bits**: specifies the size of the data exchanged over the line,
- **Parity**: is used to set whether a parity bit is added or not, as well as its type,
- number of **Stop Bits**: is used to enter the number of stop bits used for communication,
- **RTS/CTS Delay**: enables the CTS signal to be used in the event of multidrop communication.

The **Default** button is used to reset all these parameters to their default value.
Configuration of the operating system

At a Glance

After the driver installation and configuration phase, the operating system shall recognize the TSX SCP 114 card and its driver.

Note: When configuring the system, it is not necessary to restart the station.

How to configure the operating system

The following procedure describes how to configure the operating system:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Install and configure the driver.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the PCMCIA card into its slot.</td>
</tr>
</tbody>
</table>

Result:
The system automatically detects the card and loads the card driver.
FIP Driver

At a Glance

What’s in this Part? This Part describes how to install the drivers associated with FIP communication for Windows 98 and Windows 2000 operating systems.

If you are installing the FIP driver for Windows 95 and Windows NT operating systems, please refer to the following document(s):

<table>
<thead>
<tr>
<th>Title</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCMCIA FIPWAY/FIPIO Module - User manual</td>
<td>TSX DM FPP K200M</td>
</tr>
<tr>
<td>FIP TSX FPC 10 Module - Installation manual</td>
<td>TSX DM FPC 10M</td>
</tr>
</tbody>
</table>

What’s in this part? This Part contains the following Chapters:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Chaptername</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Windows 98</td>
<td>49</td>
</tr>
<tr>
<td>4</td>
<td>Windows 2000</td>
<td>69</td>
</tr>
</tbody>
</table>
Windows 98

At a Glance

Subject of this Chapter
This Chapter describes the installation and configuration of drivers for Windows 98.

What's in this Chapter?
This Chapter contains the following Sections:

<table>
<thead>
<tr>
<th>Section</th>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>TSX FPP 20 card</td>
<td>51</td>
</tr>
<tr>
<td>3.2</td>
<td>ISA TSX FPC 10 card</td>
<td>56</td>
</tr>
</tbody>
</table>
3.1 TSX FPP 20 card

At a Glance

Subject of this Section
This driver is used to communicate with a remote device in FIPWAY/FPIO mode via the TSX FPP K200 connection kit.

Driver installation consists of three steps:
- the actual installation of files on the station,
- configuration of the driver,
- configuration of the operating system to recognize the driver.

What's in this Section?
This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>52</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>54</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>55</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance
Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

Note: The installation disks are created from the CD-ROM.

How to create a set of disks
Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: it is advisable to number the disks.
How to install the driver

To install the driver, carry out the following procedure:

Start of installation

Installation by CD-ROM?

Yes

Insert CD-ROM in CD-ROM drive

No

Insert the 1st disk in the drive

Appearance of README.HTM file?

Yes

Click on the link which corresponds to the driver to be installed

No

Access the directory of the driver to be installed

Access the directory corresponding to the operating system

Access the directory DISK1

Double click on the file SETUP.EXE

Choose Run this program from its current location then confirm by clicking on OK

Click on Next

Choose the destination directory to which the configuration programs are to be copied using the Browse button.

Confirm the path with Next

Select the program folder Modicon Telemecanique

Confirm the path with Next

Configure the driver then close the configuration screen

Restart the computer

End of installation

Note: No restriction on the destination directory
Driver configuration tool

At a Glance
The configuration tool is used to configure the driver in FIPWAY or FIPIO mode to use the TSX FPP 20 card.

Illustration
The screen dedicated to the card driver looks like this:

![Configuration Screen](image)

Description
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This field is used to set the network address.</td>
</tr>
<tr>
<td>2</td>
<td>This field is used to set the station address.</td>
</tr>
<tr>
<td>3</td>
<td>This window is used to select the type of FIPWAY or FIPIO connection.</td>
</tr>
</tbody>
</table>
Configuration of the operating system

At a Glance
After the driver installation and configuration phase, the operating system shall recognize the TSX FPP 20 card and its driver.

Note: So that the driver loads up when the card is inserted, it is essential that the station is restarted to allow Windows to update the registry.

How to configure the operating system
The following procedure describes how to configure the operating system:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Install and configure the driver.</td>
</tr>
<tr>
<td>2</td>
<td>Restart the station.</td>
</tr>
<tr>
<td>3</td>
<td>Insert the PCMCIA card into its slot.</td>
</tr>
</tbody>
</table>

Result:
The system automatically detects the card and the following window is displayed:

New Hardware Found

- Telemecanique -TSXFP20

Select which driver you want to install for your new hardware:
- [ ] Windows default driver
- Driver from disk provided by hardware manufacturer
- Do not install a driver (Windows will not prompt you again)
- Select from a list of alternate drivers

[OK] [Cancel] [Help]

4 Select the option **Windows default driver**.

5 Confirm with **OK**.
3.2 ISA TSX FPC 10 card

At a Glance

Subject of this Section
This driver is used to communicate with a remote device in FIPWAY/FIPIO mode via the ISA TSX FPC 10 card.

Driver installation consists of three steps:
- the actual installation of files on the station,
- configuration of the driver,
- configuration of the operating system to recognize the driver.

What's in this Section?
This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>57</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>59</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>60</td>
</tr>
<tr>
<td>How to select the hardware type</td>
<td>61</td>
</tr>
<tr>
<td>How to configure the hardware parameters</td>
<td>64</td>
</tr>
<tr>
<td>How to adjust the ISA TSX FPC 10 card parameters</td>
<td>66</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

Note: The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: it is advisable to number the disks.

Preliminary operations

Before installing the new driver, you must check that there is no Windows 95 version on the station.

If a driver does exist, you must delete it before carrying out the new installation.

A previous version can be uninstalled using:
- X-WAY Driver Manager software,
- or the Control Panel → Add/Remove Programs.
How to install the driver

To install the driver, carry out the following procedure:

Start of installation

Installation by CD-ROM?

Yes

Insert CD-ROM in CD-ROM drive

No

Insert the 1st disk in the drive

Installation by the README.HTM file?

Yes

Click on the link which corresponds to the driver to be installed

No

Access the directory of the driver to be installed

Access the directory corresponding to the operating system

Access the directory DISK1

Access the directory of the driver to be installed

Double click on the file SETUP.EXE

Click on Next

Choose the destination directory to which the configuration programs are to be copied using the Browse button.

Confirm the path with Next

Select the program folder Modicon Telemecanique

Confirm the path with Next

Configure the driver then close the configuration screen

Configure the system then install the card

Restart the computer

End of installation

Note: No restriction on the destination directory
Driver configuration tool

At a Glance
The configuration tool is used to configure the driver in FIPWAY or FIPIO mode to use a ISA TSX FPC 10 card.

Illustration
The screen dedicated to the card driver looks like this:

![Image of configuration screen]

Description
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This field is used to set the network address.</td>
</tr>
<tr>
<td>2</td>
<td>This field is used to set the station address.</td>
</tr>
<tr>
<td>3</td>
<td>This window is used to select the type of FIPWAY or FIPIO connection.</td>
</tr>
</tbody>
</table>
Configuration of the operating system

At a Glance
After the driver installation and configuration phase, the operating system shall recognize the ISA TSX FPC 10 card and its driver.

Installation principles
As this card is not automatically recognized by the operating system, the following phases must be carried out:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the hardware type. See How to select the hardware type, p. 61</td>
</tr>
<tr>
<td>2</td>
<td>Configure the parameters of the operating system to recognize the card. See How to configure the hardware parameters, p. 64</td>
</tr>
<tr>
<td>3</td>
<td>Switch off the PC.</td>
</tr>
</tbody>
</table>
| 4    | Adjust the card parameters (See How to adjust the ISA TSX FPC 10 card parameters, p. 66):  
   - the standard I/O address,  
   - the IRQ interrupt address. |
| 5    | Connect the card to the ISA bus. |
| 6    | Turn the PC back on. |

**Result:** the driver is operational.
How to select the hardware type

Procedure

After having installed and configured the driver, carry out the following procedure to select the hardware type.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In the initial window which is displayed, click on <strong>Next</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>Result</strong></td>
</tr>
<tr>
<td></td>
<td>The following window appears:</td>
</tr>
</tbody>
</table>

![Add New Hardware Wizard](image)

Windows can now search for hardware that is not Plug and Play compatible, or you can select your hardware from a list.

When Windows detects new hardware, it automatically determines the current settings for the device and installs the correct driver. For this reason it is strongly recommended that you have Windows search for your new hardware.

Do you want Windows to search for your new hardware?

- Yes (recommended)
- No, I want to select the hardware from a list.

| 2    | Answer **No** to the question *Do you want Windows to search for your new hardware?* |
|      | **Result** |
|      | The following window appears: |

![Add New Hardware Wizard](image)

Select the type of hardware you want to install.

**Hardware types:**
- Modem
- Mouse
- Multi-fonction adapters
- Network adapters
- Other devices
- PCMCIA socket
- F/F10 Device
- Ports (COM & LPT)
- Printer
- SCSI controllers
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Select <strong>FPC10 Device</strong> from the list then click on <strong>Next</strong>.</td>
</tr>
<tr>
<td>4</td>
<td>Select <strong>FPC10 WDM Device</strong> from the list then click on <strong>Next</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>Result</strong>&lt;br&gt;The operating system suggests the hardware parameters that you must adjust on the card.</td>
</tr>
</tbody>
</table>

**Add New Hardware Wizard**

Windows can install your hardware using the following settings.

Warning: Your hardware may not be set to use the resources listed. You can use Device Manager to adjust these settings before restarting your computer. Click start, point to Settings, click Control Panel, click System, and then click the Device Manager tab. To change your hardware settings, see the documentation that came with your hardware.

To continue installing the software needed by your hardware, click **Next**.

<table>
<thead>
<tr>
<th>Resource type</th>
<th>Setting</th>
<th>Print...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input/Output Range</td>
<td>0190-019F</td>
<td></td>
</tr>
<tr>
<td>Interrupt Request</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Click on **Next**.
### Step 6

**Answer No** to the question **Do you want to restart your computer now?**

**Result**
The following window appears and the card is shown in the station’s hardware configuration.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 6    | **Answer No** to the question **Do you want to restart your computer now?**  
**Result**
The following window appears and the card is shown in the station’s hardware configuration. |

---

### Step 7

**Do you want to modify the parameters?**

- If yes, go to the procedure **How to configure the hardware parameters**, p. 64.
- If no, click on **Ok** then restart the station with the card.
How to configure the hardware parameters

Procedure

When you want to modify the hardware parameters, carry out the following procedure.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Click on Properties.</td>
</tr>
<tr>
<td></td>
<td><strong>Result</strong></td>
</tr>
<tr>
<td></td>
<td>The following window appears:</td>
</tr>
<tr>
<td></td>
<td><img src="" alt="Windows 98 CMU的日文手册" /></td>
</tr>
<tr>
<td>2</td>
<td>Uncheck the box Use automatic settings.</td>
</tr>
<tr>
<td>3</td>
<td>Select Input/Output Range from the list.</td>
</tr>
</tbody>
</table>
4. Click on Change settings...

**Result**
The following window appears:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Click on Change settings...</td>
</tr>
</tbody>
</table>

**Result**
The following window appears:

From the **Value** list, select the non-conflicting address range.

**Note**: note the values because they must be coded onto the ISA card.

5. Confirm with **OK**.

6. Carry out steps 5 to 8 selecting **Interrupt Request** from the list.

7. Confirm with **Ok** then restart the station with the card connected.
How to adjust the ISA TSX FPC 10 card parameters

At a Glance
Before installing the TSX FPC 10 card, you must adjust the following parameters:
- the standard I/O address,
- the IRQ interrupt address.

Illustration
This card comprises the following elements:

Numbers and elements
The following table describes the different parameters to be adjusted:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The jumpers (SW1) are used to select the DMA channel (Direct Access Memory) (no object).</td>
</tr>
<tr>
<td>2</td>
<td>A jumper (SW2) is used to select the IRQ (Interrupt Request) level.</td>
</tr>
<tr>
<td>3</td>
<td>The micro-switches (SW3) are used to select the standard address of the card in the I/O space.</td>
</tr>
</tbody>
</table>

Procedure
To adjust the parameters, proceed in the following manner:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Set the IRQ interrupt jumper to comply with the address provided by the operating system.</td>
</tr>
<tr>
<td>2</td>
<td>Code the standard I/O address provided by the operating system with the micro-switches.</td>
</tr>
</tbody>
</table>
Example of IRQ selection

The interrupt address provided by the system is 10:

![Interrupt Address Diagram]

Note: The jumper must not be set in the IRQ position.

Example of standard address selection

The standard address provided by the system is equal to 250 in hexadecimal:

![Standard Address Diagram]
Windows 98
Windows 2000

At a Glance

Subject of this Chapter
This Chapter describes the installation and configuration of drivers for Windows 2000.

What's in this Chapter?
This Chapter contains the following Sections:

<table>
<thead>
<tr>
<th>Section</th>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>TSX FPP 20 card</td>
<td>71</td>
</tr>
<tr>
<td>4.2</td>
<td>ISA TSX FPC 10 card</td>
<td>76</td>
</tr>
</tbody>
</table>
4.1 TSX FPP 20 card

At a Glance

**Subject of this Section**
This driver is used to communicate with a remote device in FIPWAY/FIPIO mode via the TSX FPP K 200 connection kit.

Driver installation consists of three steps:
- the actual installation of files on the station,
- configuration of the driver,
- configuration of the operating system to recognize the driver.

**What's in this Section?**
This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>72</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>74</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>75</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

Note: The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: It is advisable to number the disks.
How to install the driver

To install the driver, carry out the following procedure:

1. Start of installation
2. Installation by CD-ROM?
   - Yes: Insert CD-ROM in CD-ROM drive
   - No: Insert the 1st disk in the drive
3. Appearance of README.HTM file?
   - Yes: Click on the link which corresponds to the driver to be installed
   - No: Access the directory of the driver to be installed
4. Access the directory corresponding to the operating system
5. Access the directory DISK1
6. Double click on the file SETUP.EXE
7. Click on Next
8. Choose the destination directory to which the configuration programs are to be copied using the Browse button.
9. Confirm the path with Next
10. Select the program folder Modicon Telemecanique
11. Confirm the path with Next
12. Configure the driver then close the configuration screen
13. End of installation

Note: No restriction on the destination directory
Driver configuration tool

At a Glance
The configuration tool is used to configure the driver in FIPWAY or FIPIO mode to use the TSX FPP 20 card.

Illustration
The screen dedicated to the card driver looks like this:

Description
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This field is used to set the network address.</td>
</tr>
<tr>
<td>2</td>
<td>This field is used to set the station address.</td>
</tr>
<tr>
<td>3</td>
<td>This window is used to select the type of FIPWAY or FIPIO connection.</td>
</tr>
</tbody>
</table>
Configuration of the operating system

At a Glance
After the driver installation and configuration phase, the operating system shall recognize the TSX FPP 20 card and its driver.

Note: When configuring the system, it is not necessary to restart the station.

How to configure the operating system
The following procedure describes how to configure the operating system:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Install and configure the driver.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the PCMCIA card into its slot.</td>
</tr>
</tbody>
</table>

Result:
The system automatically detects the card and loads the card driver.
4.2 ISA TSX FPC 10 card

At a Glance

Subject of this Section
This driver is used to communicate with a remote device in FIPWAY/FIPIO mode via the ISA TSX FPC 10 card.

Driver installation consists of three steps:
- the actual installation of files on the station,
- configuration of the driver,
- configuration of the operating system to recognize the driver.

What's in this Section?
This Section contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>77</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>79</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>80</td>
</tr>
<tr>
<td>How to select the hardware type</td>
<td>81</td>
</tr>
<tr>
<td>How to configure the hardware parameters</td>
<td>84</td>
</tr>
<tr>
<td>How to adjust the ISA TSX FPC 10 card parameters</td>
<td>87</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance
Driver installation is a standard installation. It can be launched either:
• from the drivers CD-ROM,
• or from disks if the station has no CD-ROM drive.

Note: The installation disks are created from the CD-ROM.

How to create a set of disks
Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: it is advisable to number the disks.

Preliminary operations
Before installing the new driver, you must check that there is no Windows NT4 version on the station.

If a driver does exist, you must delete it before carrying out the new installation.

A previous version can be uninstalled using:
• X-WAY Driver Manager software,
• or the Control Panel → Add/Remove Programs.
How to install the driver

To install the driver, carry out the following procedure:

1. **Start of installation**
   - **Installation by CD-ROM?**
     - Yes: Insert CD-ROM in CD-ROM drive
     - No: Insert the 1st disk in the drive
   - **Installation by the README.HTM file?**
     - Yes: Click on the link which corresponds to the driver to be installed
     - No: Access the directory of the driver to be installed
6. **Choose Run this program from its current location then confirm by clicking on OK**

4. **Access the directory corresponding to the operating system**

5. **Access the directory DISK1**

6. **Double click on the file SETUP.EXE**

7. **Click on Next**

8. Choose the destination directory to which the configuration programs are to be copied using the Browse button.

9. **Confirm the path with Next**

10. **Select the program folder Modicon Telemecanique**

11. **Confirm the path with Next**

12. **Configure the driver then close the configuration screen**

13. **Configure the system then install the card**

14. **Restart the computer**

15. **End of installation**

**Note:** No restriction on the destination directory.
Driver configuration tool

At a Glance
The configuration tool is used to configure the driver in FIPWAY or FIPIO mode to use the TSX FPC 10 card.

Illustration
The screen dedicated to the card driver looks like this:

Description
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This field is used to set the network address.</td>
</tr>
<tr>
<td>2</td>
<td>This field is used to set the station address.</td>
</tr>
<tr>
<td>3</td>
<td>This window is used to select the type of FIPWAY or FIPIO connection.</td>
</tr>
</tbody>
</table>
 Configuration of the operating system

At a Glance

After the driver installation and configuration phase, the operating system shall recognize the ISA TSX FPC 10 card and its driver.

Installation principles

As this card is not automatically recognized by the operating system, the following phases must be carried out:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the hardware type. See How to select the hardware type, p. 81</td>
</tr>
<tr>
<td>2</td>
<td>Configure the parameters of the operating system to recognize the card. See How to configure the hardware parameters, p. 84</td>
</tr>
<tr>
<td>3</td>
<td>Switch off the PC.</td>
</tr>
</tbody>
</table>
| 4    | Adjust the card parameters (See How to adjust the ISA TSX FPC 10 card parameters, p. 87):  
  - the standard I/O address,  
  - the IRQ interrupt address. |
| 5    | Connect the card to the ISA bus. |
| 6    | Turn the PC back on. |

**Result:** the driver is operational.
# How to select the hardware type

## Procedure

After having installed and configured the driver, carry out the following procedure to select the hardware type.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In the initial window which is displayed, click on <strong>Next</strong>.</td>
</tr>
</tbody>
</table>

**Result**

The following window appears:

- **Add / Remove Hardware Wizard**
  - **Choose a Hardware Task**
    - Which hardware task do you want to perform?

Select the hardware task you want to perform, and then click Next.

- **Add / Troubleshoot a device**
  - Choose this option if you are adding a new device to your computer or are having problems getting a device working.

- **Uninstall / Unplug a device**
  - Choose this option to uninstall a device or to prepare the computer to unplug a device
### Step Action

**2** Select the option *Add/Troubleshoot a device* then click on *Next*.

**Result**
The following window appears:

<table>
<thead>
<tr>
<th><strong>Add / Remove Hardware Wizard</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Choose a Hardware Device</strong></td>
</tr>
<tr>
<td>Which hardware device do you want to troubleshoot?</td>
</tr>
</tbody>
</table>

The following hardware is already installed on your computer. If you are having problems with one of these devices, select the device, and then click Next.

If you are attempting to add a device and it is not shown below, select Add a new device, and then click Next.

**Devices**

- Add a new device
- COMPAQ 171 FS
- Floppy disk drive
- COMPAQ CRD-8320B
- WDC AC36400L
- ES1869 Control Interface (WDM)
- ES1869 Plug and Play Audio Drive (WDM)

**3** Select the option *Add a new device* then click on *Next*.

**4** Answer *No* to the question *Do you want Windows to search for your new hardware?*.
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Click on Next.</td>
</tr>
</tbody>
</table>

**Result**
The following window appears:

![Hardware Wizard](image)

Select the type of hardware you want to install

Select FPC10 Device from the list then click on Next.

7 Select FPC10 WDM Device from the list then click on Next.

8 Advance to the following procedure How to configure the hardware parameters, p. 84.
# How to configure the hardware parameters

**Procedure**

After having selected the hardware type, carry out the following procedure to configure the parameters.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Click on the <strong>Resources</strong> button.</td>
</tr>
<tr>
<td>2</td>
<td>Click on <strong>Manual Configuration</strong>.</td>
</tr>
</tbody>
</table>

**Result**

The following window appears:

![Add New Hardware Wizard Properties](image)

<table>
<thead>
<tr>
<th>Resources type</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input/Output Range</td>
<td>?</td>
</tr>
<tr>
<td>Interrupt Request</td>
<td>?</td>
</tr>
</tbody>
</table>

Setting based on: Basic configuration...

- **Use automatic settings**
- **Change Setting**...

Conflicting device list:

- No conflicts.

3. Uncheck the box **Use automatic settings**.

4. Select **Input/Output Range** from the list.
5 Click on Change settings....

**Result**
The following window appears:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>From the <strong>Value</strong> list, select the non-conflicting address range.</td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong>: note the values because they must be coded onto the ISA card.</td>
</tr>
<tr>
<td>6</td>
<td>Confirm with <strong>OK</strong>.</td>
</tr>
<tr>
<td>7</td>
<td><strong>Result</strong>: a confirmation window appears.</td>
</tr>
<tr>
<td>8</td>
<td>Confirm with <strong>Yes</strong>.</td>
</tr>
<tr>
<td>Step</td>
<td>Action</td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
</tr>
<tr>
<td>9</td>
<td>Carry out steps 4 to 8 selecting <strong>Interrupt Request</strong> from the list.</td>
</tr>
<tr>
<td>10</td>
<td>Accept the configuration with <strong>OK</strong>.</td>
</tr>
</tbody>
</table>

**Result**
The following window appears:

![Add / Remove Hardware Wizard](image)

**Completing the Add/Remove Hardware Wizard**
You have successfully completed the Add/Remove Hardware wizard.

The following hardware was installed:
FPC10 WDM Device

Check your hardware documentation to see whether you have to manually configure your new hardware. For the hardware to work, you will have to restart the computer.

To view or change the resources for this device, click Resources. To close this wizard, click Finish.

11 Click on **Finish** to confirm hardware configuration.
How to adjust the ISA TSX FPC 10 card parameters

At a Glance
Before installing the TSX FPC 10 card, you must adjust the following parameters:
- the standard I/O address,
- the IRQ interrupt address.

Illustration
This card comprises the following elements:

Numbers and elements
The following table describes the different parameters to be adjusted:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The jumpers (SW1) are used to select the DMA channel (Direct Access Memory) (no object).</td>
</tr>
<tr>
<td>2</td>
<td>A jumper (SW2) is used to select the IRQ (Interrupt Request) level.</td>
</tr>
<tr>
<td>3</td>
<td>The micro-switches (SW3) are used to select the standard address of the card in the I/O space.</td>
</tr>
</tbody>
</table>

Procedure
To adjust the parameters, proceed in the following manner:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Set the IRQ interrupt jumper to comply with the address provided by the operating system.</td>
</tr>
<tr>
<td>2</td>
<td>Code the standard I/O address provided by the operating system with the micro-switches.</td>
</tr>
</tbody>
</table>
Example of IRQ selection

The interrupt address provided by the system is 10:

```
 0  1  2  3  4  5  6  7  8  9 A B C D E F IRQ
O O O O O O O O   O O O O O O O O
```

**Note:** The jumper must not be set in the IRQ position.

Example of standard address selection

The standard address provided by the system is equal to 250 in hexadecimal:

```
 0  1  2  3  4  5  6  7  8  9 A B C D E F
ON   O O O O O O O O   O O O O O O O O
 1  2  3  4  5  6  7  8
```

ETHWAY Driver

At a Glance

What's in this Part?

This part describes how to install the drivers associated with ETHWAY communication for Windows 2000.

This driver is used to communicate via an ETHERNET card using the ETHWAY protocol. Driver installation consists of two main steps:
- the actual installation of files on the station,
- configuration of the driver.

If you are installing the ETHWAY driver for Windows 95, Windows 98 and Windows NT operating systems, please refer to the following document(s):

<table>
<thead>
<tr>
<th>Title</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHWAY network module- Installation manual</td>
<td>TSX DM ETH PC101M</td>
</tr>
</tbody>
</table>

What's in this part?

This Part contains the following Chapters:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Chaptername</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Windows 2000</td>
<td>91</td>
</tr>
</tbody>
</table>
Windows 2000

At a Glance

Subject of this Chapter
This Chapter describes the installation and configuration of drivers for Windows 2000.

What's in this Chapter?
This Chapter contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>92</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>95</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

The ETHWAY protocol is installed from:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Insert the CD-ROM or the first disk.</td>
</tr>
<tr>
<td>2</td>
<td>Access the Control Panel in Windows.</td>
</tr>
<tr>
<td>3</td>
<td>Double click on the icon Network and dial up connection.</td>
</tr>
</tbody>
</table>

How to install the driver

The ETHWAY driver is installed in accordance with the following procedure:
4 Select the icon Local connection then by right-clicking select the command-Properties.

Result
The following window appears:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Select the icon Local connection then by right-clicking select the command-Properties.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Local Area Connection Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
</tr>
<tr>
<td>Connect using:</td>
</tr>
<tr>
<td>- 3Com EtherLink XL PCI Combo NIC [3C900B-COMBO]</td>
</tr>
<tr>
<td>MAC address: 00-10-5A-3A-87-3D</td>
</tr>
<tr>
<td>Components checked are used by this connection:</td>
</tr>
<tr>
<td>- Client for Microsoft Networks</td>
</tr>
<tr>
<td>- File and printer Sharing for Microsoft Networks</td>
</tr>
<tr>
<td>- Internet Protocol (TCP/IP)</td>
</tr>
<tr>
<td>Install</td>
</tr>
<tr>
<td>Description</td>
</tr>
<tr>
<td>Allows your computer to access resources on a Microsoft network.</td>
</tr>
<tr>
<td>Show icon in taskbar when connected</td>
</tr>
<tr>
<td>OK Cancel</td>
</tr>
</tbody>
</table>

5 Click on the Resources button.
6 In the **Select Network Component Type** window, select the type **Protocol** then click on **Add**.

### Result

The following window appears:

<table>
<thead>
<tr>
<th>Manufacturers</th>
<th>Network Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>MISIOU Corp.</td>
<td>AppleTalk Protocol</td>
</tr>
<tr>
<td></td>
<td>DLC Protocol</td>
</tr>
<tr>
<td></td>
<td>NetBEUI Protocol</td>
</tr>
<tr>
<td></td>
<td>Network Monitor Driver</td>
</tr>
<tr>
<td></td>
<td>NetLink IPX/SPX/NetBIOS Compatible Trans</td>
</tr>
<tr>
<td></td>
<td>OSI-LAN Protocol</td>
</tr>
</tbody>
</table>

- Click the Network Protocol that you want to install, then click OK. If you have an installation disk for this component, click Have Disk.

- Click **Have Disk**.

- Click **OK**.

### Step 7

Click on **Have Disk**.

7 Select the access path of the files to be installed from the CD-ROM or the disk using the **Browse** button.

### Step 8

Click on **OK**.

8 In this window select the **ETHWAY Protocol** then click on **OK**.

### Step 9

Select the **ETHWAY protocol** then click on **Properties**.

9 Complete the installation by clicking on **OK**.

### Step 10

In the configuration screen (See Driver configuration tool, p. 95), configure the protocol then click on **OK**.

10 Complete the installation by clicking on **OK**.
Driver configuration tool

At a Glance

The configuration tool is used to configure the ETHERNET card to communicate according to the ETHWAY protocol.

Illustration

The card configuration screen looks like this:

![Configuration Screen Image]

The illustration highlights the following parameters:

1. Adapter Name
2. Export Name
3. TE MAC Address
4. Retry Period
5. Filter Period
6. Send and Receive Buffer Sizes
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This field is used to select the ETHERNET card (useful if there are several ETHERNET cards).</td>
</tr>
<tr>
<td>2</td>
<td>This field is used to select the ETHWAY driver instance.</td>
</tr>
<tr>
<td>3</td>
<td>These windows are used to define the address (Network.Station) of the ETHERNET card used.</td>
</tr>
<tr>
<td>4</td>
<td>This box is used to replace the ETHERNET card’s MAC address with the SCHNEIDER MAC address (00 80 F4 Network Station).</td>
</tr>
</tbody>
</table>
| 5      | This window is used to configure the reception acknowledgment by defining:  
|        | • the retransmission period between two frames if the remote device is not responding,  
|        | • the storage time of a frame originating from the remote device (useful for loaded networks).  
|        | **Note**: in general, storage time is three times the retransmission period. |
| 6      | This window is used to configure the transmission and reception buffer size in bytes. |
X-WAY Driver on TCP/IP

At a Glance

What's in this Part?
This Part describes how to install the drivers associated with X-WAY communication on TCP/IP for Windows 98 and Windows 2000 operating systems.

**Note:** The installation of this driver is the same on all operating systems.

This driver is used to communicate via an ETHERNET card using the X-WAY protocol on TCP/IP. Driver installation consists of two steps:
- the actual installation of files on the station,
- configuration of the driver.

If you are installing the XIP driver for Windows 95 and Windows NT operating systems, please refer to the following document(s):

<table>
<thead>
<tr>
<th>Title</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation and start-up guide for the X-WAY Driver on TCP/IP</td>
<td>TLX DI XIP M</td>
</tr>
</tbody>
</table>

What's in this part?
This Part contains the following Chapters:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Chapter Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Windows 98 and Windows 2000</td>
<td>99</td>
</tr>
</tbody>
</table>
XIP
Windows 98 and Windows 2000

At a Glance

Subject of this Chapter
This Chapter describes the installation and configuration of the drivers for Windows 98 and Windows 2000 operating systems.

What’s in this Chapter?
This Chapter contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>100</td>
</tr>
<tr>
<td>Driver configuration tool</td>
<td>102</td>
</tr>
<tr>
<td>How to configure the driver</td>
<td>104</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

**Note:** The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

**Note:** It is advisable to number the disks.
How to install the driver

To install the driver, carry out the following procedure:

Start of installation

Installation by CD-ROM?

Yes

Insert CD-ROM in CD-ROM drive

No

Insert the 1st disk in the drive

Appearance of README.HTM file?

Yes

Click on the link which corresponds to the driver to be installed

No

Access the directory of the driver to be installed

Access the directory corresponding to the operating system

Access the directory DISK1

Double click on the file SETUP.EXE

Click on Next

Choose Run this program from its current location then confirm by clicking on OK

Choose the destination directory to which the configuration programs are to be copied using the Browse button.

Confirm the path with Next

Select the program folder Modicon Telemecanique

Confirm the path with Next

Configure the driver then close the configuration screen

End of installation

Note: No restriction on the destination directory
Driver configuration tool

At a Glance

The configuration tool is used to link a driver configuration profile to a remote device that communicates with the station.

Illustration

The screen dedicated to the XIP driver looks like this:

![Diagram of the XIP driver configuration tool]

1. Profile selection
2. Local host: XWAY address
3. New remote host: Station, XWAY address, IP address
4. Remote host configured:
   - station1-2
   - station2-
   - station1-3
   - station PLC
5. Station: station1-2
6. Profiles
   - station1-2: 001,002 084.000.001.002
   - station2: 002: 084.000.001.002
   - station1-3: 001,003 084.000.001.003
   - station PLC: 000,001 139.160.065.100
7. Ready
This table describes the different zones which make up the configuration screen:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
</table>
| 1      | All software functions can be accessed using this menu bar:  
        | • **Configuration**: creation or deletion of a profile  
        | • **Xip**: start, stop or reinitialize the driver  
        | • **Test**: test request transmissions with options  
        | • **Help**: Information on the software |
| 2      | The profile used by the driver is selected from this list. |
| 3      | The X-WAY address of the station is configured from this window. |
| 4      | The new connections with remote devices associated with the driver are set from this window. |
| 5      | Existing connections with remote devices can be viewed via this list. |
| 6      | Connections can be added, removed or redefined with these buttons. |
| 7      | This status bar is an operating indicator (driver stopped or started) with a comment zone. |
How to configure the driver

At a Glance

During driver installation, a default configuration profile is proposed. You are able to modify this profile or create a new one.

**Note:** If all the network connections are in use or if there are none on the station, a profile cannot be created.

How to create a new profile

From the driver configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the command <strong>Configuration → Create a profile</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>Result</strong>&lt;br&gt;The following window appears:</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="New XIP profile creation" /></td>
</tr>
<tr>
<td>2</td>
<td>From the <strong>TCP/IP</strong> drop-down menu, select the TCP/IP connection to the network.</td>
</tr>
<tr>
<td>3</td>
<td>Click on <strong>OK</strong>.</td>
</tr>
</tbody>
</table>

How to remove a profile

From the driver configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the command <strong>Configuration → Create a profile</strong>.</td>
</tr>
<tr>
<td>2</td>
<td>From the drop-down menu, select the profile to be removed.</td>
</tr>
<tr>
<td>3</td>
<td>Confirm deletion with <strong>OK</strong>.</td>
</tr>
</tbody>
</table>
How to add a connection

From the configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | In the New Connection window, enter:  
      * the name of the remote station,  
      * the address of the remote station,  
      * the IP address of the remote station, |
| 2    | Click on the Add button. |
| 3    | Click on Save.  
      **Note:** the configuration is saved for the current profile. |

How to remove a connection

From the configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In the Installed Connections window, select the name of the remote station to be removed.</td>
</tr>
<tr>
<td>2</td>
<td>Click on Delete.</td>
</tr>
</tbody>
</table>
| 3    | Click on Save.  
      **Note:** the configuration is saved for the current profile. |

How to modify a connection

From the configuration screen,

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In the Installed Connections window, select the name of the remote station to be modified.</td>
</tr>
</tbody>
</table>
| 2    | In the New Connection window, modify:  
      * the name of the remote station,  
      * the address of the remote station,  
      * the IP address of the remote station, |
| 3    | Click on Update. |
| 4    | Click on Save.  
      **Note:** the configuration is saved for the current profile. |
ISAWAY Driver

At a Glance

What’s in this Part?

This Part describes how to install the drivers associated with the TPCX 57 processor for Windows 98 and Windows 2000 operating systems.

This driver makes it possible to use the TPCX57 processor. Driver installation consists of two steps:

- the actual installation of files on the station,
- configuration of the operating system to recognize the driver.

If you are installing the driver for Windows 95 and Windows NT operating systems, please refer to the following document(s):

<table>
<thead>
<tr>
<th>Title</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPCX 57 Service instruction</td>
<td>W9 1329 498 08 01 A04</td>
</tr>
</tbody>
</table>

What’s in this part?

This Part contains the following Chapters:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Chaptername</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Windows 98</td>
<td>109</td>
</tr>
<tr>
<td>8</td>
<td>Windows 2000</td>
<td>121</td>
</tr>
</tbody>
</table>
This Chapter describes the installation and configuration of drivers for Windows 98.

This Chapter contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>110</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>112</td>
</tr>
<tr>
<td>How to select the hardware type</td>
<td>113</td>
</tr>
<tr>
<td>How to configure the hardware parameters</td>
<td>116</td>
</tr>
<tr>
<td>How to adjust the ISA TPCX 57 card parameters</td>
<td>118</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:

- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

Note: The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: it is advisable to number the disks.

Preliminary operations

Before installing the new driver, you must check that there is no Windows 95 version on the station.

If a driver does exist, you must delete it before carrying out the new installation.

A previous version can be uninstalled using:

- X-WAY Driver Manager software,
- or the Control Panel → Add/Remove Programs.
How to install the driver

To install the driver, carry out the following procedure:

Start of installation

Installation by CD-ROM?

Yes

Insert CD-ROM in CD-ROM drive

No

Insert the 1st disk in the drive

Appearance of README.HTM file?

Yes

Click on the link which corresponds to the driver to be installed

Choose Run this program from its current location then confirm by clicking on OK

No

Access the directory of the driver to be installed

Access the directory corresponding to the operating system

Access the directory DISK1

Double click on the file SETUP.EXE

Click on Next

Choose the destination directory to which the configuration programs are to be copied using the Browse button.

Confirm the path with Next

Select the program folder Modicon Telemecanique

Confirm the path with Next

Configure the driver then close the configuration screen

Configure the system then install the card

Restart the computer

End of installation

Note: No restriction on the destination directory
Configuration of the operating system

At a Glance

After the driver installation and configuration phase, the operating system shall recognize the TPCX 57 card and its driver.

Installation principles

As this card is not automatically recognized by the operating system, the following phases must be carried out:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the hardware type. See How to select the hardware type, p. 113</td>
</tr>
<tr>
<td>2</td>
<td>Configure the parameters of the operating system to recognize the card. See How to configure the hardware parameters, p. 116</td>
</tr>
<tr>
<td>3</td>
<td>Switch off the station.</td>
</tr>
</tbody>
</table>
| 4    | Adjust the card parameters (See How to adjust the ISA TPCX 57 card parameters, p. 118):  
  ● the standard I/O address,  
  ● the IRQ interrupt address. |
| 5    | Connect the card to the ISA bus. |
| 6    | Turn the station back on. |

**Result:** the driver is operational.
How to select the hardware type

Procedure

After having installed and configured the driver, carry out the following procedure to select the hardware type.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In the initial window which is displayed, click on Next.</td>
</tr>
</tbody>
</table>

Result

The following window appears:

Windows can now search for hardware that is not Plug and Play compatible, or you can select your hardware from a list. When Windows detects new hardware, it automatically determines the current settings for the device and installs the correct driver. For this reason it is strongly recommended that you have Windows search for your new hardware.

Do you want Windows to search for your new hardware?

- Yes (recommended)
- No, I want to select the hardware from a list.

[Next] [Cancel] [Back]
Step | Action
--- | ---
2 | Answer **No** to the question *Do you want Windows to search for your new hardware?*

**Result**
The following window appears:

3 Select **PCX57 Device** from the list then click on **Next**.

4 Select **PCX57 WDM Device** from the list then click on **Next**.

**Result**
The operating system suggests the hardware parameters that you must configure on the card.

Windows can install your hardware using the following settings.

**Warning:** Your hardware may not be set to use the resources listed. You can use Device Manager to adjust these settings before restarting your computer. Click start, point to Settings, click Control Panel, click System, and then click the Device Manager tab. To change your hardware settings, see the documentation that came with your hardware.

To continue installing the software needed by your hardware, click Next.

<table>
<thead>
<tr>
<th>Resource type</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input/Output Range</td>
<td>0190-019F</td>
</tr>
<tr>
<td>Interrupt Request</td>
<td>10</td>
</tr>
</tbody>
</table>

---

---
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Click on <strong>Next</strong>.</td>
</tr>
<tr>
<td>6</td>
<td>Answer <strong>No</strong> to the question <em>Do you want to restart your computer now?</em></td>
</tr>
</tbody>
</table>

**Result**
The following window appears and the card is shown in the station's hardware configuration.

Do you want to modify the parameters?
- If yes, go to the procedure How to modify the hardware parameters (See *How to configure the hardware parameters*, p. 116).
- If no, click on OK then restart the station with the card connected.
How to configure the hardware parameters

Procedure

When you want to modify the hardware parameters, carry out the following procedure.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Click on Properties.</td>
</tr>
<tr>
<td></td>
<td><strong>Result</strong></td>
</tr>
<tr>
<td></td>
<td>The following window appears:</td>
</tr>
<tr>
<td></td>
<td>![Image of PCX57 WDM Device Properties window]</td>
</tr>
<tr>
<td>2</td>
<td>Uncheck the box Use automatic settings.</td>
</tr>
<tr>
<td>3</td>
<td>Select Input/Output Range from the list.</td>
</tr>
</tbody>
</table>
4 Click on Change settings...

Result
The following window appears:

![Edit Input / Output Range](image)

Enter the input/output range you would like to set for this device.

You may either enter a specific range and the nearest valid range will be selected automatically, or you may select a range using the arrows.

Value: [GAMECHIP]

- Conflict information:
  - The setting you have chosen does not conflict with any other devices
  - No devices are conflicting.

5 From the Value list, select the non-conflicting address range.

Note: note the values because they must be coded onto the ISA card.

6 Confirm with OK.

7 Carry out steps 5 to 8 selecting Interrupt Request from the list.

8 Confirm with Ok then restart the station with the card connected.
How to adjust the ISA TPCX 57 card parameters

At a Glance
Before installing the TPCX 57 card, you must adjust the following parameters:
- the rack number and the processor position,
- the standard I/O address,
- the IRQ interrupt address.

Illustration
This card comprises the following elements:

Numbers and elements
The following table describes the different parameters to be adjusted:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The processor’s rack position can be coded with the micro-switches.</td>
</tr>
<tr>
<td>2</td>
<td>The address of the rack which contains the processor can be coded with</td>
</tr>
<tr>
<td></td>
<td>the micro-switches.</td>
</tr>
<tr>
<td>3</td>
<td>The standard address of the processor can be coded on the ISA bus with</td>
</tr>
<tr>
<td></td>
<td>the micro-switches.</td>
</tr>
<tr>
<td>4</td>
<td>The IRQ (Interrupt Request) level can be coded with the micro-switches.</td>
</tr>
</tbody>
</table>
To adjust the parameters, proceed in the following manner:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Code the number of the rack which contains the processor.</td>
</tr>
<tr>
<td>2</td>
<td>Code the processor position.</td>
</tr>
<tr>
<td>3</td>
<td>Code the standard I/O address provided by the operating system with the micro-switches.</td>
</tr>
<tr>
<td>4</td>
<td>Code the interrupt level provided by the operating system with the micro-switches.</td>
</tr>
</tbody>
</table>

The standard address provided by the system is equal to 250 in hexadecimal:

```
0 1
9 8 7 6 5 4
```

The interrupt address provided by the system is 10:

```
15 11 10 5 4
0 0 0 0 0
0 0 0 0 0
```

**Note:** The jumper must not be set in the IRQ position.
Windows 98
Windows 2000

At a Glance

Subject of this Chapter
This Chapter describes the installation and configuration of drivers for Windows 2000.

What’s in this Chapter?
This Chapter contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to install the driver</td>
<td>122</td>
</tr>
<tr>
<td>Configuration of the operating system</td>
<td>124</td>
</tr>
<tr>
<td>How to select the hardware type</td>
<td>125</td>
</tr>
<tr>
<td>How to configure the hardware parameters</td>
<td>128</td>
</tr>
<tr>
<td>How to adjust the ISA TPCX 57 card parameters</td>
<td>131</td>
</tr>
</tbody>
</table>
How to install the driver

At a Glance

Driver installation is a standard installation. It can be launched either:
- from the drivers CD-ROM,
- or from disks if the station has no CD-ROM drive.

Note: The installation disks are created from the CD-ROM.

How to create a set of disks

Use the following procedure to create installation disks:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use a station which has a CD-ROM drive.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the CD-ROM into the drive.</td>
</tr>
<tr>
<td>3</td>
<td>Access the directory of the driver to be copied onto disk.</td>
</tr>
<tr>
<td>4</td>
<td>Copy the contents of the DISK1 directory onto a disk. Repeat this step for each DISK directory.</td>
</tr>
</tbody>
</table>

Note: it is advisable to number the disks.

Preliminary operations

Before installing the new driver, you must check that there is no Windows NT4 version on the station.

If a driver does exist, you must delete it before carrying out the new installation.

A previous version can be uninstalled using:
- X-WAY Driver Manager software,
- or the Control Panel → Add/Remove Programs.
How to install the driver

To install the driver, carry out the following procedure:

1. Start of installation
2. Installation by CD-ROM?
   - Yes: Insert CD-ROM in CD-ROM drive
   - No: Insert the 1st disk in the drive
3. Appearance of README.HTM file?
   - Yes: Click on the link which corresponds to the driver to be installed
   - No: Access the directory of the driver to be installed
4. Access the directory corresponding to the operating system
5. Access the directory DISK1
6. Double click on the file SETUP.EXE
7. Click on Next
8. Choose the destination directory to which the configuration programs are to be copied using the Browse button.
9. Confirm the path with Next
10. Select the program folder Modicon Telemecanique
11. Confirm the path with Next
12. Configure the driver then close the configuration screen
13. Configure the system then install the card
14. Restart the computer
15. End of installation

Note: No restriction on the destination directory

Choose Run this program from its current location then confirm by clicking on OK
**Configuration of the operating system**

**At a Glance**

After the driver installation and configuration phase, the operating system shall recognize the TPCX 57 card and its driver.

**Installation principles**

As this card is not automatically recognized by the operating system, the following phases must be carried out:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the hardware type. See <em>How to select the hardware type, p. 125</em></td>
</tr>
<tr>
<td>2</td>
<td>Configure the parameters of the operating system to recognize the card.</td>
</tr>
<tr>
<td>3</td>
<td>Switch off the station. See <em>How to configure the hardware parameters, p. 128</em></td>
</tr>
</tbody>
</table>
| 4    | Adjust the card parameters (See *How to adjust the ISA TPCX 57 card parameters, p. 131*):  
  - the standard I/O address,  
  - the IRQ interrupt address. |
| 5    | Connect the card to the ISA bus. |
| 6    | Turn the station back on. |

Result: the driver is operational.
How to select the hardware type

Procedure
After having installed and configured the driver, carry out the following procedure to select the hardware type.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In the initial window which is displayed, click on <strong>Next</strong>.</td>
</tr>
</tbody>
</table>

**Result**
The following window appears:

```
Add / Remove Hardware Wizard

Choose a Hardware Task
Which hardware task do you want to perform?

- Select the hardware task you want to perform, and then click Next.
- Add / Troubleshoot a device
  Choose this option if you are adding a new device to your computer or are having problems getting a device working.
- Uninstall / Unplug a device
  Choose this option to uninstall a device or to prepare the computer to unplug a device
```

< Back  Next >  Cancel
### Step 2
Select the option **Add/Troubleshoot a device** then click on **Next**.

#### Result
The following window appears:

![Add / Remove Hardware Wizard](image)

#### Choose a Hardware Device
Which hardware device do you want to troubleshoot?

The following hardware is already installed on your computer. If you are having problems with one of these devices, select the device, and then click Next.

- Add a new device
- COMPAQ 171 FS
- Floppy disk drive
- COMPAQ CRD-8300B
- WDC AC36400L
- ES1869 Control Interface (WDM)
- ES1869 Plug and Play Audio Drive (WDM)

### Step 3
Select the option **Add a new device**. Then click on **Next**.

### Step 4
Answer **No** to the question **Do you want Windows to search for your new hardware?**.
### Step 5

**Action**

Click on **Next**.

**Result**

The following window appears:

<table>
<thead>
<tr>
<th>Hardware Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>What type of hardware do you want to install?</td>
</tr>
</tbody>
</table>

Select the type of hardware you want to install.

<table>
<thead>
<tr>
<th>Hardware types:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCX57Device</td>
</tr>
<tr>
<td>Port (COM &amp; LPT)</td>
</tr>
<tr>
<td>Printers</td>
</tr>
<tr>
<td>SCSI and RAID controllers</td>
</tr>
<tr>
<td>Sound, video and game controllers</td>
</tr>
<tr>
<td>System devices</td>
</tr>
<tr>
<td>Tape drives</td>
</tr>
<tr>
<td>FPC10 Device</td>
</tr>
</tbody>
</table>

### Step 6

Select **PCX57 Device** from the list then click on **Next**.

### Step 7

Select **PCX57 WDM Device** from the list then click on **Next**.

### Step 8

Advance to the following procedure *How to configure the hardware parameters*, *p. 128*. 
How to configure the hardware parameters

Procedure

After having selected the hardware type, carry out the following procedure to configure the parameters.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Click on the <strong>Resources</strong> button.</td>
</tr>
<tr>
<td>2</td>
<td>Click on <strong>Manual Configuration</strong>.</td>
</tr>
</tbody>
</table>

**Result**

The following window appears:

```
Add New Hardware Wizard Properties

Resources

FPC10 WDM Device

Resources settings:

<table>
<thead>
<tr>
<th>Resources type</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input/Output Range</td>
<td>?</td>
</tr>
<tr>
<td>Interrupt Request</td>
<td>?</td>
</tr>
</tbody>
</table>

Setting based on: **Basic configuration 0000**

Use automatic settings

Conflicting device list:

No conflicts.

OK  Cancel
```

3 Uncheck the box **Use automatic settings**.

4 Select **Input/Output Range** from the list.
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 5    | Click on Change settings....  
Result  
The following window appears: |

| 6    | From the Value list, select the non-conflicting address range.  
Note: note the values because they must be coded onto the ISA card. |
| 7    | Confirm with OK.  
Result: a confirmation window appears. |
| 8    | Confirm with Yes. |
### Step 9
- **Action**: Carry out steps 4 to 8 selecting *Interrupt Request* from the list.

### Step 10
- **Action**: Accept the configuration with **OK**.

### Result
- **The following window appears:**

![Add / Remove Hardware Wizard](image)

### Step 11
- **Action**: Click on **Finish** to confirm hardware configuration.
How to adjust the ISA TPCX 57 card parameters

At a Glance
Before installing the TPCX 57 card, you must adjust the following parameters:
- the rack number and the processor position,
- the standard I/O address,
- the IRQ interrupt address.

Illustration
This card comprises the following elements:

Numbers and elements
The following table describes the different parameters to be adjusted:

<table>
<thead>
<tr>
<th>Number</th>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The processor’s rack position can be coded with the micro-switches.</td>
</tr>
<tr>
<td>2</td>
<td>The address of the rack which contains the processor can be coded with the micro-switches.</td>
</tr>
<tr>
<td>3</td>
<td>The standard address of the processor can be coded on the ISA bus with the micro-switches.</td>
</tr>
<tr>
<td>4</td>
<td>The IRQ (Interrupt Request) level can be coded with the micro-switches.</td>
</tr>
</tbody>
</table>
Windows 2000

Procedure

To adjust the parameters, proceed in the following manner:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Code the number of the rack which contains the processor.</td>
</tr>
<tr>
<td>2</td>
<td>Code the processor position.</td>
</tr>
<tr>
<td>3</td>
<td>Code the standard I/O address provided by the operating system with the micro-switches.</td>
</tr>
<tr>
<td>4</td>
<td>Code the interrupt level provided by the operating system with the micro-switches.</td>
</tr>
</tbody>
</table>

Example of standard address selection

The standard address provided by the system is equal to 250 in hexadecimal:

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example of IRQ selection

The interrupt address provided by the system is 10:

<table>
<thead>
<tr>
<th>IRQ</th>
<th>15</th>
<th>14</th>
<th>13</th>
<th>12</th>
<th>11</th>
<th>10</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: The jumper must not be set in the IRQ position.
X-WAY Driver Manager

At a Glance

What's in this Part?

This Part describes changes made to the X-WAY Driver Manager software upon installation of the drivers for Windows 98 and Windows 2000.

When using X-WAY Driver Manager software for Windows 95 and Windows NT operating systems, please refer to the following document(s):

<table>
<thead>
<tr>
<th>Title</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation and start-up guide for PL7</td>
<td>TLX DI PL7 40</td>
</tr>
</tbody>
</table>

What's in this part?

This Part contains the following Chapters:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Chapername</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Functions</td>
<td>135</td>
</tr>
</tbody>
</table>
This Chapter describes the X-WAY Driver Manager management software and its functions.

This Chapter contains the following Maps:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management of X-WAY drivers</td>
<td>136</td>
</tr>
<tr>
<td>FPC10 Driver tab</td>
<td>138</td>
</tr>
<tr>
<td>PCX57 Driver tab</td>
<td>139</td>
</tr>
</tbody>
</table>
Management of X-WAY drivers

At a Glance

The PL7 X-WAY drivers can be accessed using the X-WAY management tool. This is used to install, update, configure and test the different drivers in a centralized manner.

Illustration

The screen below introduces the management tool for X-WAY drivers.

XWAY Manager tab

This tab is used for:
- viewing the list of installed drivers,
- installing or updating a driver,
- deleting a driver.

FPC10 Driver and UNITELWAY Driver tabs

These tabs:
- provide information such as the installed version or the driver status.
- are used to access the driver configuration screens.
- are used to access the Hardware configuration.
XWAY Test tab

This tab is used to test the basic operation of an X-WAY driver.

**Driver Group**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of driver to be used for the test (Uni-telway, FPC10, etc).</td>
</tr>
<tr>
<td>Driver number</td>
<td>Instance number of driver to be used for the test (usually 1).</td>
</tr>
<tr>
<td>Remote Address</td>
<td>X-WAY remote station address in the format &quot;network.station.gate&quot;. The address &quot;0.254.0&quot; is the</td>
</tr>
<tr>
<td></td>
<td>default address (terminal port for example). For a network connection, (such as FIPWAY), the</td>
</tr>
<tr>
<td></td>
<td>user must complete this field: &quot;3.5.0&quot; to address station 5 of network 3. Gate 0 corresponds</td>
</tr>
<tr>
<td></td>
<td>to the system server gate of the station in question.</td>
</tr>
<tr>
<td>Local address</td>
<td>Internal address used locally by the driver. The driver completes this field automatically for</td>
</tr>
<tr>
<td></td>
<td>information purposes when the connection becomes effective.</td>
</tr>
</tbody>
</table>

**Request Group**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Request</td>
<td>Name of driver to be used for the test (Uni-telway, FPC10).</td>
</tr>
<tr>
<td>Type</td>
<td>Type of request. Different sizes of mirror requests are suggested, as well</td>
</tr>
<tr>
<td></td>
<td>as reading the PLC %S6 system bit.</td>
</tr>
<tr>
<td>Delay</td>
<td>Wait timeout in ms for the response to the transmitted request (time out).</td>
</tr>
<tr>
<td>Status</td>
<td>Status of connection, &quot;disconnected&quot;, &quot;connection...&quot; or &quot;connected&quot;.</td>
</tr>
</tbody>
</table>

**Command buttons**

<table>
<thead>
<tr>
<th>Object</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect</td>
<td>Opens an internal communication channel on the selected driver.</td>
</tr>
<tr>
<td>Launch</td>
<td>Launch request transmission to the station defined in the Remote address</td>
</tr>
<tr>
<td></td>
<td>field of the Driver group.</td>
</tr>
<tr>
<td>More information</td>
<td>Displays system information about the driver. This button is active in</td>
</tr>
<tr>
<td></td>
<td>online mode only.</td>
</tr>
<tr>
<td>About</td>
<td>Displays X-WAY Manager version and copyright details.</td>
</tr>
</tbody>
</table>
FPC10 Driver tab

At a Glance

The management tool tab is as follows:

![XWAY Manager](image)

**Elements**

The Properties (FIP01) and Properties (FIP02) buttons access the driver configuration screen for card 1 and card 2 respectively.

The Hardware Wizard button is used to add or remove an ISA TSX FPC 10 card using the Add/Remove Hardware Wizard.

**Note:** a maximum of two cards can be connected.

The Device Manager button activates the System Properties window and is used to view or modify the card hardware parameters.
PCX57 Driver tab

At a Glance

The management tool tab is as follows:

Elements

The Properties (FIP01) and Properties (FIP02) buttons access the driver configuration screen for card 1 and card 2 respectively.

The Hardware Wizard button is used to add or remove an ISA TSX FPC 10 card using the Add/Remove Hardware Wizard.

**Note:** a maximum of two cards can be connected.

The Device Manager button activates the System Properties window and is used to view or modify the card hardware parameters.