



PACTware 3.6 Quick Start Guide

System Requirements

- Windows Vista, XP, NT Service Pack 4, or 2000
- Windows .NET Framework 1.1 with Service Pack 1
- 50 MByte disk space and 40 MByte main memory
- Pentium IV 450MHz processor or better
- XGA Graphics
- Mouse or equivalent pointing device

Overview

PACTware (Process Automation Configuration Tool) is a program which allows the selection of communication-capable field devices of different manufacturers from a device catalog, and combine them in projects. PACTware is used as a frame program for DTMs (Device Type Managers) which are delivered as configuration software by the manufacturers of field devices. Included with PACTware is a generic, limited functionality, HART® protocol DTM that will allow you to begin using your MicroLink HART modem. The manufacturer of your HART device may offer DTM modules with complete HART support for your devices. DTMs can be installed into PACTware to add functionality as needed - not just for HART but other protocols as well.

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Installation

The Microsoft .NET framework release 1.1 and .NET service pack 1 must be installed before installing PACTware. The .NET framework and service pack are included on the MicroLink CD. You can also download the .NET framework from Microsoft (www.microsoft.com) at no charge.

To install PACTware, run setup.exe from the CD and follow the on-screen prompts. The setup utility will also install the HART Communications DTM and the Generic HART DTM.

Three modules will be installed. On some computers the setup will prompt you to restart your computer. Choose the “Restart Later” option and restart after setup of all 3 modules has completed.

Running PACTware

Connect the MicroLink modem to your PC before running the PACTware program. This is especially important if you have a USB modem. With the modem connected, start PACTware - either by clicking on the PACTware icon on the desktop or by choosing it from **Start > All Programs > PACTware 3.6 > PACTware 3.6**.

Adding HART to a PACTware Project

With PACTware installed and running - you need to add a new device to the current PACTware project. The following steps will guide you through adding the HART communications DTM and the Generic HART DTM to your project. After the DTM's are added you will be able to communicate with your HART transmitter.

Step 1 - Add HART Communications DTM

From the top menu, click **Device > Add device**. A dialog window showing the HART Communications DTM is displayed. Click **HART Communications** in the list and then click **OK** to close the window and add the HART communications DTM to your project.

Step 2 - Set Modem Serial Port Number

In the Project window, click **HART Icon** (under HOST PC) to make this the active DTM. From the top menu, click **Device > Parameter** to set the communications port number to match the Com port number that your HART modem is connected to. In the HART Communications Parameter dialog window - select the Com port from the drop down list and then click **OK** to save your choice and close the

window.

Step 3 - Add Generic HART DTM

With the HART icon still highlighted and active in the project window, click **Device > Add device**. This will open the *Device for* dialog window and add it to the PACTware project. Click **Generic HART DTM** in the list and then click **OK** to save your choice and close the window.

Connecting to a HART Device

With the HART DTM set to use the Generic HART module, and the Com port set to match the port that the modem is connected to, you are ready to connect to your HART device. Refer to the manual for your HART device if you need help on attaching the Microlink modem mini-clips to the HART loop.

Click **Generic HART DTM** in the project window to make it the active device.

From the top menu - click **Device > Connect**. PACTware will connect to your HART device through the configured Com port. A DTM providing online functions is shown in bold.

To poll or configure the device, click **Device > Parameter > Online parameterization**

Additional Information

PACTware PDF format manuals are available in several languages on the MicroLink CD.

Additional information on PACTware, DTM technology, and the Field Device Tool (FDT) Joint interest group can be found at the following web sites;

www.pactware.com	PACTware Consortium
www.fdt-jig.org	FDT Joint Interest Group
www.hartcomm.org	HART Communications Foundation
www.microflx.com	Microflex, LLC

Additional DTM modules are available from participating PACTware members. For a list of PACTware members, and available DTM modules visit www.pactware.com.



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