

Daniel™ MeterLink™ Software v1.31

for Daniel Gas and Liquid Ultrasonic Flow Meters

MeterLink™



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1 Daniel MeterLink™ system requirements

Installation system requirements

Software
Windows Vista™
Windows™ 7 (Ultimate, Home Premium and Professional 32- and 64-bit editions)
Windows® 8.1 ("basic", Pro and Enterprise 32- and 64-bit editions)
Windows® 10 (Home, Pro and Enterprise 32- and 64-bit editions)
Microsoft™ Excel® 2003 through Excel 2016 (inclusive) otherwise log file(s) are in CSV format.
Microsoft® XML parser v2.6 or above
Internet Explorer 7.0 or later

Note

Daniel CUI should not be run simultaneously with Daniel MeterLink™.

Hardware
PC with a 133MHz Pentium or higher processor (300MHz recommended)
One serial port available for remote/local connection (for on-line operations)
One Ethernet port available for remote/local connection (for on-line operations)
One parallel port for connection to a local printer, or a connection to a network printer (optional)
100MB of free hard disk space
Super VGA or DVI monitor (at least 1024x768 resolution)
Windows®-compatible printer (optional), modem (remote connection only) and mouse (i.e. Mouse, Trackball or Touchpad)

2 Install Daniel MeterLink

Software installation

Procedure

1. Insert the CD in the appropriate drive.
2. Follow the installation wizard instructions to complete the software installation.
3. Use the tables below for your operating system.

Make sure you have administrative rights before proceeding. If you are not sure, continue and the installation program will inform you if you don't and abort the installation. Consult your system administrator for assistance.

Note

The Daniel MeterLink installation program is also available for download from the Daniel Measurement and Control, Inc. website: <http://www.daniel.com/um2.htm>.

Note

The SHA-1 checksum for the Daniel MeterLink version 1.31 application installer is 69d3244898dff87e12096bb47a591ea96ddbfc08.

Note

In case the user wants to downgrade their MeterLink™ version because they encounter an issue with the latest version, the system will force the user to uninstall the latest version manually and then install the version they require.

Windows Vista™ installation

Install Daniel MeterLink on Windows Vista™
Start > Computer. Locate CD drive containing the disk.
Double-click Setup.exe to begin the installation.
You will receive a message An unidentified program wants access to your computer, select Allow - I trust this program. I know where it's from or I've used it before.
Windows® opens the setup file. Follow the instruction on the screen.
Click the radio button to accept the License Agreement terms.
Click Next and select Complete Setup type.
Click Next and follow the instructions on the screen to complete the installation.

Windows® 7 installation

Install Daniel MeterLink on Windows® 7
Start>All Programs>Accessories>Run.
Browse to locate the directory for Setup.exe> Click OK.
Windows® opens the setup file. Click Next.
Click the radio button to accept the License Agreement terms.
Click Next and select Setup type (Complete setup is recommended).
Click Next and follow the instructions on the screen to complete the installation.
Click Next and follow the instructions on the screen to complete the installation.

Windows® 8.1 and Windows® 10 installation

Install Daniel MeterLink on Windows® 8.1 and Windows® 10
Start>Run.
Browse to locate the directory for Setup.exe> Click OK.
Windows® opens the setup file. Click Next.
Click the radio button to accept the License Agreement terms.
Click Next and select Setup type (Complete setup is recommended).
Click Next and follow the instructions on the screen to complete the installation.

3 Install a direct connection driver

If an Ethernet connection is unavailable, install the Daniel Direct Connection driver.

Configure a direct connection on Windows Vista™
Start > Control Panel.
Double-click Phone and Modems Options icon. If prompted, enter the required data in the Location Information dialog (country/region, area code, carrier code, number to dial for an outside line, and tone dialing).
Select Modems>Add (Delete existing drivers for the COM port you want to use.) A message may appear “Windows needs your permission to continue. Select Continue to proceed.”
Select the check box Don't detect my modem; I will select it from a list > Click Next.
Click Have Disk.
Under Copy manufacturer's files from: enter default installation directory, e.g., C:\Program Files\Daniel\Daniel MeterLink.
Click Browse, if necessary, to search for the Daniel MeterLink installation directory > Click OK.
From the Models field, select Daniel Direct Connection > click Next.
Click Selected ports (only select the port you want to use to communicate with Daniel MeterLink.) > Click Next.
Click Finish to close the wizard.
The Communications cable between two computers driver now displays in the Modem list. Multiple instances of the driver will appear, if it was installed for multiple COM ports.
Click OK to close the dialog. This completes the driver installation.

Configure a direct connection on Windows® 7
Open the Control Panel then select Small icons for View by Note: If you have a touch screen monitor, swipe from the right edge of the monitor to display the Start charm.
Click the Phone and Modem icon.
The Phone and Modem Options dialog appears. Select the Modems tab. Click Add to start the Hardware Wizard.
On the first page of the wizard, select the check box “Don't detect my modem; I will select it from a list”. Click Next to continue.
On the second page of the wizard, select Have Disk.
Enter the installation directory for Daniel MeterLink™ under “Copy manufacturer's files from”: option. The default installation directory is typically C:\Program Files\Daniel\Daniel MeterLink. Click Browse, if necessary to search for the Daniel MeterLink™ installation directory. Click Daniel Direct Connection. Click Open to continue.
The Add Hardware Wizard displays. Under the Models list, select Daniel Direct Connection and click Next to continue.
Click Selected ports (only select the port you want to use to communicate with Daniel MeterLink) > Click Next.
Click Finish to close the wizard. This completes the driver installation.

Configure a direct connection on Windows® 8.1

From the Start menu, type Control Panel and select Small icons for View by. **Note:** If you have a touch screen monitor, swipe from the right edge of the monitor to display the Start charm.

Click the Phone and Modem icon.

On the Phone and Modem Options dialog select the Modems tab. Click Add to start the Add Hardware Wizard.

On the first page of the wizard, select the check box “Don't detect my modem; I will select it from a list” and click Next to continue.

On the second page of the wizard, select Have Disk.

Enter the installation directory for Daniel MeterLink™ under “Copy manufacturer's files from”: option. The default installation directory is typically C:\Program Files\Daniel\Daniel MeterLink. Click Browse, if necessary to search for the Daniel MeterLink installation directory. Click Daniel Direct Connection. Click Open to continue.

The Add Hardware Wizard displays. Under the Models list, select Daniel Direct Connection and click Next to continue.

Click Selected ports (only select the port you want to use to communicate with Daniel MeterLink) > Click Next.

Click Finish to close the wizard. This completes the driver installation.

Configure a direct connection on Windows® 10

From the Start menu, type Control Panel and select Small icons for View by.

Click the Phone and Modem icon.

On the Phone and Modem dialog select the Modems tab. Click Add to start the Add Hardware Wizard.

On the first page of the wizard, select the check box “Don't detect my modem; I will select it from a list” and click Next to continue.

On the second page of the wizard, select Have Disk.

Enter the installation directory for Daniel MeterLink™ under “Copy manufacturer's files from”: option. The default installation directory is typically C:\Program Files\Daniel\Daniel MeterLink. Click Browse, if necessary to search for the Daniel MeterLink installation directory. Click Daniel Direct Connection. Click Open to continue.


The Add Hardware Wizard displays. Under the Models list, select Daniel Direct Connection and click Next to continue.

Click Selected ports (only select the port you want to use to communicate with Daniel MeterLink) > Click Next.

Click Finish to close the wizard. This completes the driver installation.

4 Configure the Daniel MeterLink™ meter directory

If the meter directory has not already been configured, Daniel MeterLink creates two meter directory records, one for an Ethernet connection to a meter with its DHCP server enabled, and another for a direct connection at 19200 bps.

1. Open the Meter Directory using the File>Meter Directory menu or use the Meter Directory icon  .
2. Create a new record by selecting Insert, Insert Duplicate, or Add from the File pull-down menu.
3. Enter a meter name, short description, and meter type.
4. Use the Direct, Modem, Ethernet and Ethernet 2 check boxes for the desired communication method.
5. Edit the connection properties for each connection method selected by clicking the button enabled at the bottom of the dialog.

Note

Detailed context-sensitive help is displayed when F1 is pressed in Daniel MeterLink™ .

5 Daniel MeterLink installation CD

Note

If the Daniel MeterLink™ Quick Start Manual ships with a meter, the CD is inserted in the sleeve below.

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This product is a core component of the PlantWeb digital plant architecture.

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