



New Era Pump Systems Inc.
www.SyringePump.com
PUMPTERM.EXE

Compatibility with 64 bit PC processors.

Install PUMPTERM Files

1. Extract all files in **PUMPTERM.ZIP**
2. Double-click extracted installation file: **Install PUMPTERM.BAT**

Files will be copied to folder **C:\PUMPTERM** and a desktop icon will be created:



PUMPTERM_shortcut.BAT

Files "**PUMPTERM.EXE**" and "**PUMPTERM.CONF**" must be in folder **C:\PUMPTERM**. "**PUMPTERM.EXE**" is the main communications program. "**PUMPTERM.CONF**" is the "DOSBox" configuration file. "DOSBox" runs older DOS programs on new computers, including 64 bit processors.

Install DOSBox

[Click here to download DOSBox for Windows](#)

Execute the downloaded file "**DOSBox0.74-win32-installer.exe**".
Install the program, allowing it to install into the default folder.

For other operating systems, or for more information about DOSBox:

- Visit the web site www.DOSBOX.COM.
- On the website, select the "Downloads" link. Click on "Windows" Win32 installer, or select other operating system, to download the program.

USB to RS-232 Converter Cable

If using a USB converter cable, install the cable driver, if necessary, and attach the cable. Observe the virtual Com Port number that was created. The Com Port number can also be determined by selecting "**Devices and Printers**" on the "**Start**" menu, or "**Devices**" on the "**Settings**" screen, usually located in the "Unspecified" or "Other Devices" section as "Prolific USB-to-Serial Comm Port (COM1)". COM1 indicates Com Port 1. Your Com Port number or description may be different. The Com Port number can be changed.

The USB converter cable must be attached to cable CBL-PC-PUMP-7, which attaches to the pump's "To Computer" connector.

If not recognized: [Click here to download the updated Prolific USB to RS-232 cable driver](#)
Re-boot your computer after installing the updated cable driver.

Configuration

Com Port 1 is the default setting. If using Com Port 1, then setup is complete.

Com Port Numbers 2 to 4

To specify a Com Port number between 2 and 4, and any other parameters that will be used with **PUMPTERM.EXE**, edit the file "**PUMPTERM_shortcut.bat**", located on the desktop, with any text editor. Change the com port setting as required. For example, if com port 3 was created, then set the configuration line to:

```
SET COMTERM= /com=3 /baud=19200
```

Double click file "Edit pumpterm_shortcut.bat" to edit the file in the correct location.

Pumping Program Generator Excel Spreadsheet:

If using the Excel Spreadsheet, edit the com port number in cell "Q40".

Com Port Numbers Greater Than 4

PUMPTERM.EXE will only recognize Com Ports 1 through 4. If the USB converter created a Com Port greater than 4, edit the file "**PUMPTERM.conf**". Near the end of the file, in the [serial] section, set the "**serial1**" definition to the created com port. For example, if com port 7 was created, then set the configuration line to:

```
serial1=directserial realport:COM7
```

The com port setting in file "**PUMPTERM_shortcut.bat**" will need to be set to com 1 (default setting).

Double click file "Edit pumpterm_conf.bat" to edit the file in the correct location.

Start PUMPTERM

Double-click the "**PUMPTERM_shortcut.BAT**" desktop icon to start PUMPTERM.

"**New Era Pump Systems**" will appear at the top of the **PUMPTERM** main screen, indicating proper setup.

Once on the main screen, pressing just the "**Enter**" key will get a status response from the pump. This indicates that communications is established with the pump.

Pumping Program Generator Excel Spreadsheet

Close PUMPTERM before opening Pumping Program Generator Excel files. Pumping programs can now be entered into the Excel file and uploaded to the pump by simply clicking on the Pump picture in the Excel file. The pump will double beep to indicate successful program upload.

Troubleshooting

Most software problems are related to incorrect file locations. Files must be located in the precise paths indicated in the configuration and batch files or icons. Some operating systems will install DOSBox in a path that is different from the default. In these situations, the short-cut file will need to be modified, or a direct short-cut icon to DOSBox can be created with a target similar to the following:

```
"(your operating system created path)\DOSBox.exe" -conf "C:\PUMPTERM\pumpterm.conf" --noconsole
```

Most hardware problems are related to improper cables or improperly attached cables. If the hardware is correct, then an incorrect com port number is the next likely cause. Third party RS-232 cables are not compatible.

DOSBox Error Files

In folder C:\PUMPTERM, DOSBox will create 2 files: "**STDERR.TXT**" and "**STDOUT.TXT**". Review these files for error messages.