

Thank you for using the PowerXpress Plus the HART device USB power tool with a built-in HART Modem. The instructions below will help you connect to and communicate with your HART enabled device.

Product and Software Installations

1. Download the 64bit driver at www.powerxpressplus.com. Click the **SUPPORT** tab and under **DOWNLOADS** click the link for the 64bit modem driver. Most PCs are 64bit today, but if you have an older 32bit operating system, please click the FAQ tab on the webpage for instructions.
2. Unzip and install the driver on the PC which includes the ViatorCheck application. It will create a “ViatorCheck” link on your desktop.



Test your installation and connect to a HART device

1. Connect a HART device to the PowerXpress Plus and PC as shown.
 - a. Plug the PowerXpress USB plug into a USB port. The green powered light will illuminate to show power available from the port.
 - b. Plug the mini-grabber cable into the right jack on top, labeled “Modem+Power” to power and communicate with 2-wire HART device.
 - c. Plug the mini-grabber cable into the left jack, labeled “Modem” to communicate with a self-powered HART device (not powered by PowerXpress, but an external source)
 - d. Attach the mini-grabbers to the HART device, Red to (+) terminal and Black to (-) terminal. For modem only operation polarity doesn’t matter.
 - e. Run ViatorCheck to test operation. Click the new link on your PC Desktop.
 - f. If required, “Allow” this application to run in Windows.
 - g. A “VIATORCheck for P+F” window should open showing the USB Com port your PC is using.
 - h. Click on the com port in the “Active Com Ports” window to highlight it in blue. Then click the “Check HART Device 0” button. If your device is at another HART address, click “Check All HART Devices” to poll for the correct address, this may take a minute or two.
 - i. Your HART device should connect and show the HART device address and Device Type in the “HART Devices” window and detailed device information in the “HART and Modem Information” window.
 - j. Click “Read Primary Variable” and the primary variable should start scrolling up in the window.
2. You’re now ready for your device to communicate with the HART configuration application of your choice, which is supplied by others. There are many PC based HART Configuration Applications available. The PowerXpress Plus works with all com port compatible configuration applications and FDT/DTM applications like PACTware. If you work with an FDT application, you will need to download and install a communication DTM file.
3. For detailed instructions read the manual included in the PowerXpress Plus box or download the Instruction Manual from the website SUPPORT tab.
4. For connecting HART valve positioners, or 4-wire devices please review our Frequently Asked Questions (FAQ) at this link www.powerxpresssolutions.com/faq

