ecomizerpro

ECOMIZER-PRO SOFTWARE UPDATE

HIGH QUALITY MOBILE PUMP CONTROLLERS

impulse® Dewatering Technologies

V03-00

Introduction

This manual describes the procedure to install new, application specific, software onto the HMI used in the Impulse Pumps EcomizerPro system. Software needs to be updated to the latest available software version as mentioned on the support website from Impulse Pumps. All pumps can be updated to the latest available software version to improve efficiency of the machines.

Depending on the current installed software on the HMI it might also be needed to get remote support from Impulse Pumps to adjust application specific parameters. Before starting the update, Impulse Pumps must be notified to start a remote session and assist in configuring the machine for optimal performance.

ATTENTION!
Impulse Pumps always recommend updating all machines to the latest available software version!

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1. Needed Tools

- Laptop
- USB-LAN KIT (ASIX AX88772)

The USB-LAN Remote Connection Kit consists of 2 (two) USB-LAN converters and an ethernet cable (CAT5 minimum).

ATTENTION!
The chipset is important, ASIX AX88772 is the only one vetted to work and can be purchased via Impulse with part number 34710

2. Needed Software

- PowerVision Toolkit

DOWNLOAD POWERVISION TOOLKIT

Or go to: https://impulsebv.com > Documentation > All Downloads > Scroll to Software Downloads > PowerVision Toolkit

3. Configurations

The latest software (configuration) for your Impulse Pumps machine can be accessed via the download button below. Depending on the type of machine the software can either be for electric driven pumps (SIP Electric) or for Diesel Engine driven pumps (SIP CAN).

For diesel engine pumps:

Impulse – SIP CAN – VXX-YY.pv2

For electric pumps:

Impulse – SIP Electric – VXX-YY.pv2

ATTENTION!
Please make sure to download the right software version for your machine! Updating the machine to the wrong software might cause unexpected behavior and should be prevented!

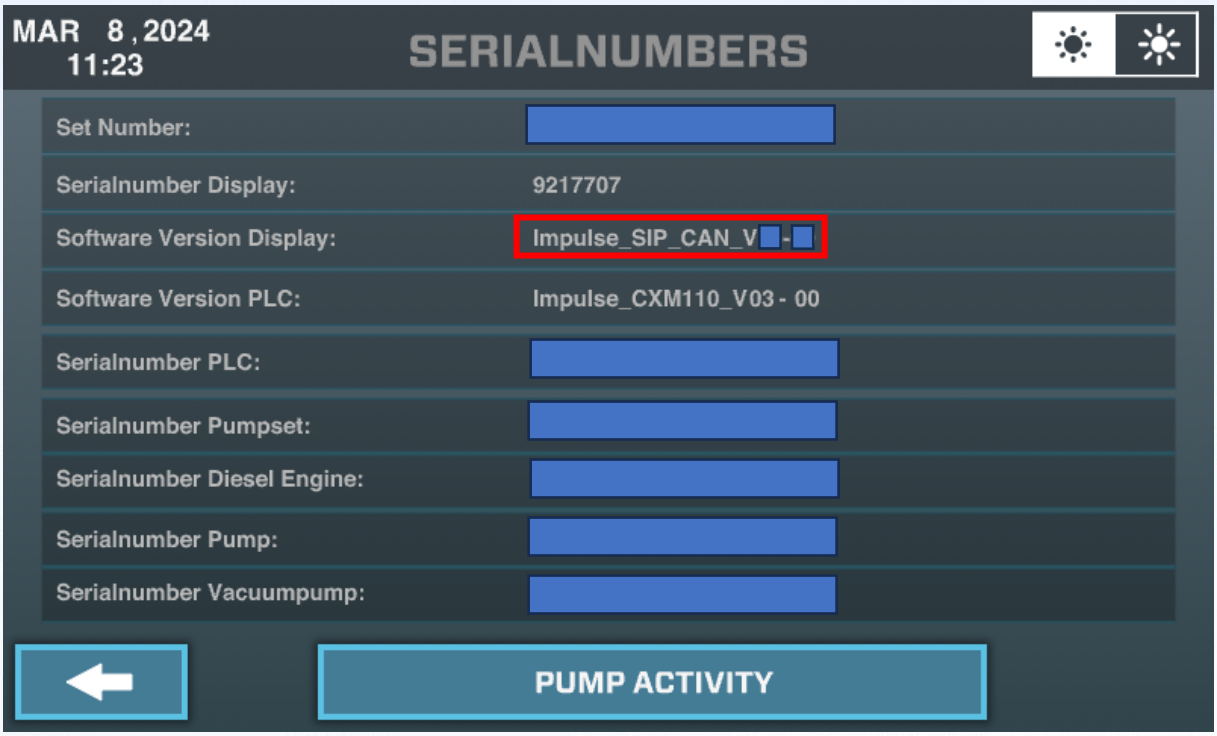
DOWNLOAD SOFTWARE

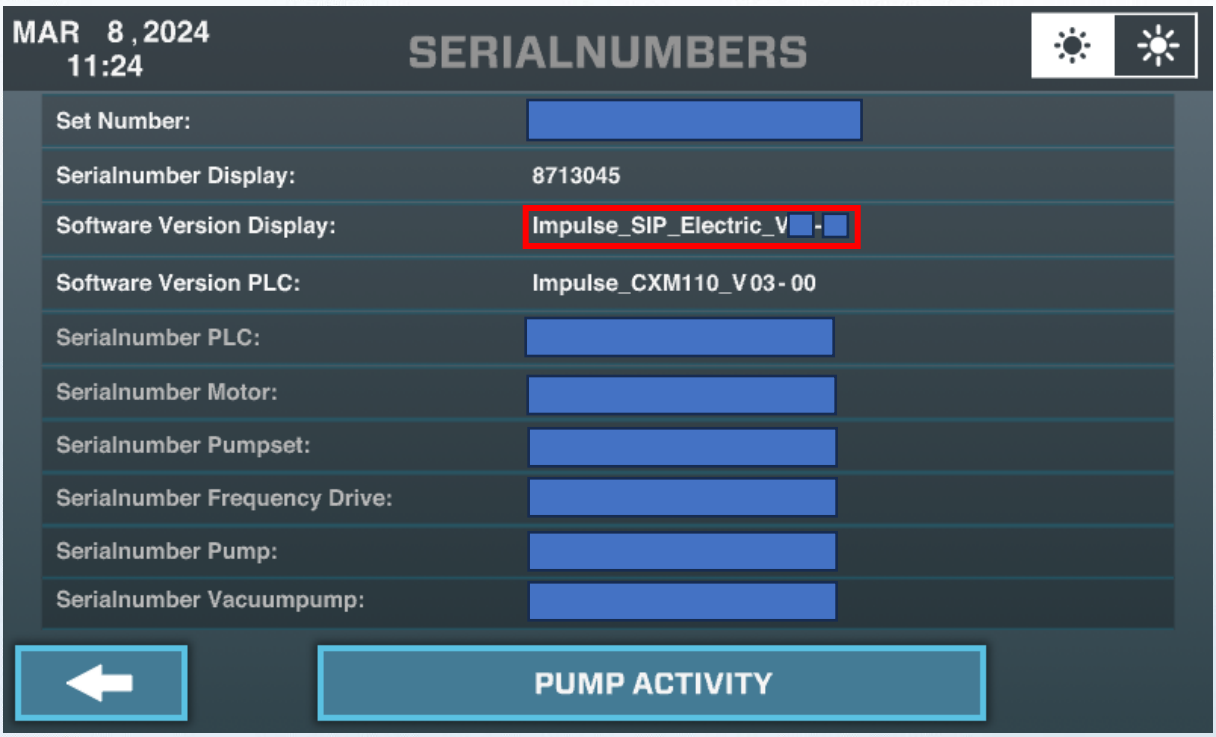
Or go to: https://impulsebv.com > Documentation > All Downloads > Scroll to Software Downloads > HMI Software Diesel/HMI Software Electric

*XX: Major Software Version
*YY: Minor Software Version

4. Update Procedure

STEP 1:
Activate the HMI by turning the “Off-On-Start” switch to the “Start” position and hold the switch until the EcomizerPro Image will be shown.
Verify the current installed software version at the INFO page named Software Version Display. Based on the machine type the pages might differ and show additional information!

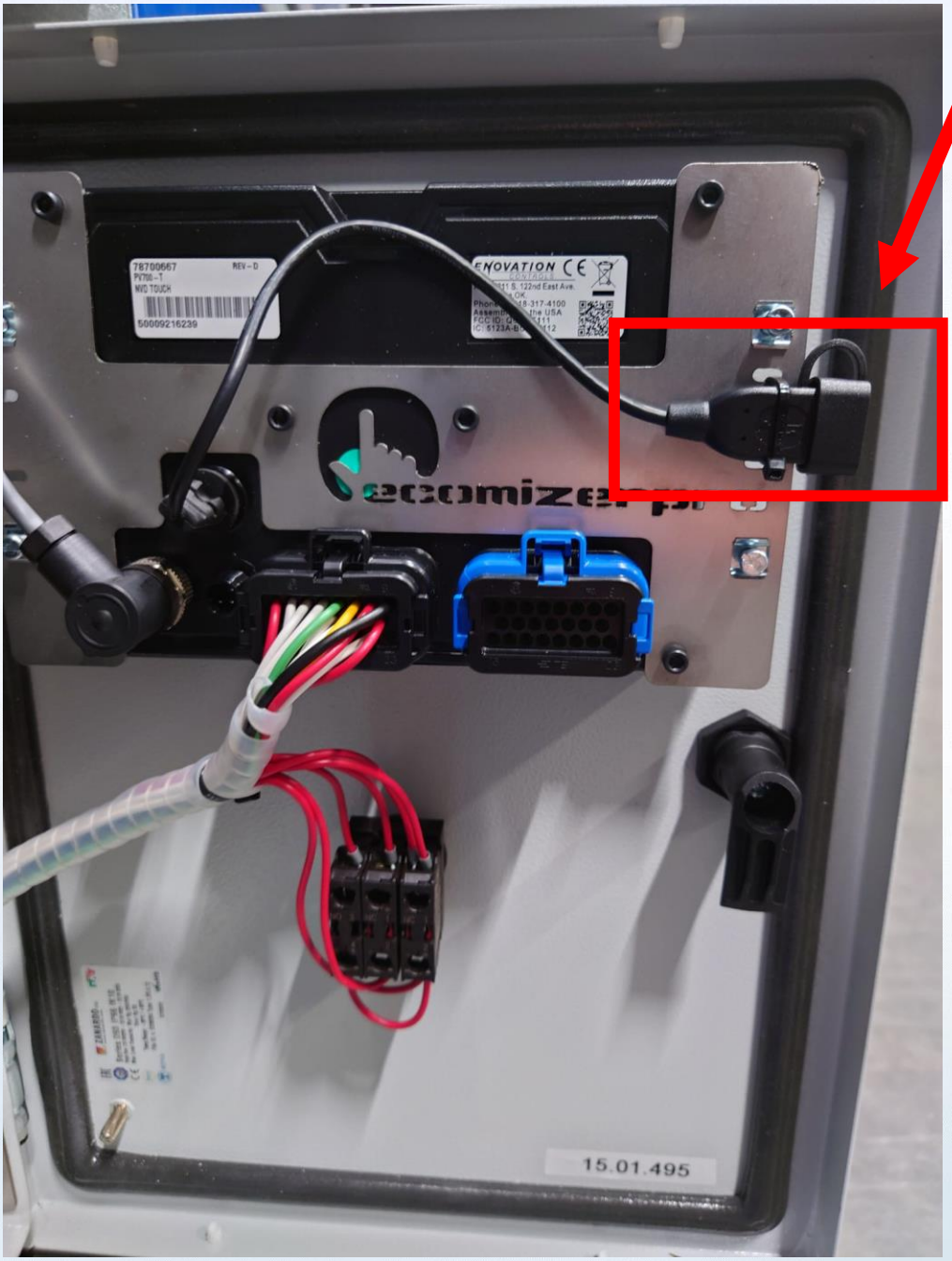




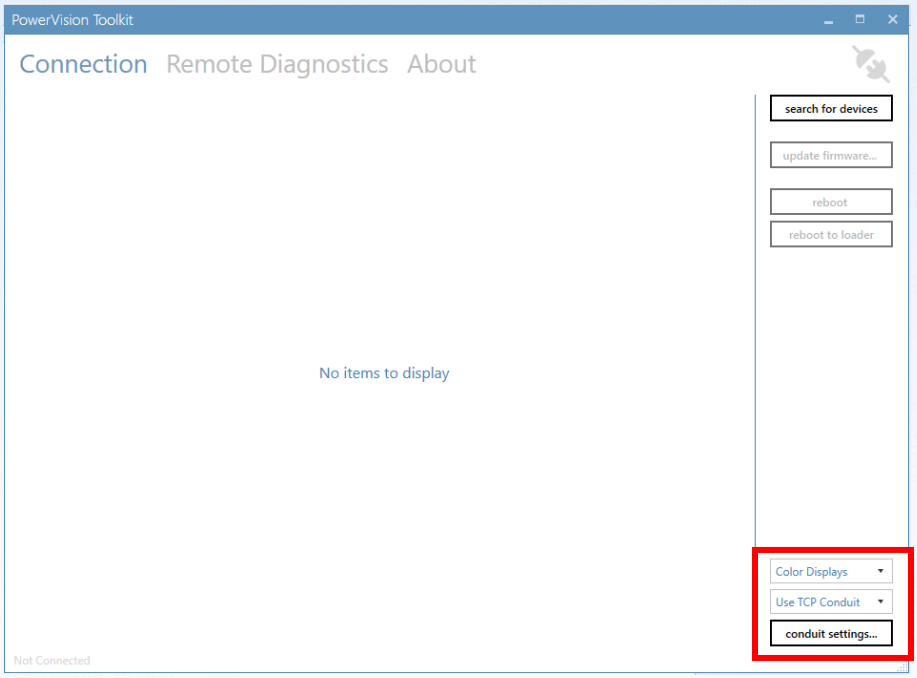
STEP 2:
Connect the USB-LAN Remote Connection Kit between an USB port at the LAPTOP and the USB port at the back side of the HMI.

Most of the SIP Electric machines are supplied with a Control Box, you can open the Control Box to access the USB port of the HMI.

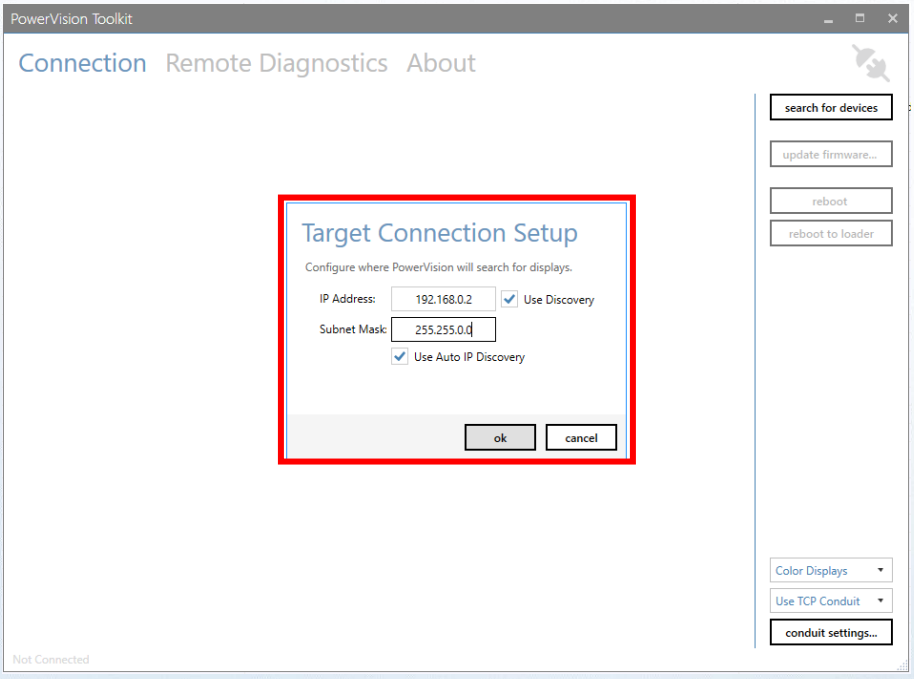
Most of the SIP CAN (Diesel) machines are supplied with a fixed Control Panel. To access the USB port of the HMI you need to remove the four (4) bolts and pull the Control Panel carefully out of the cabinet.



STEP 3:
Open the PowerVision Toolkit and verify the correct "conduit settings..." needed for the HMI connection via the USB Port.

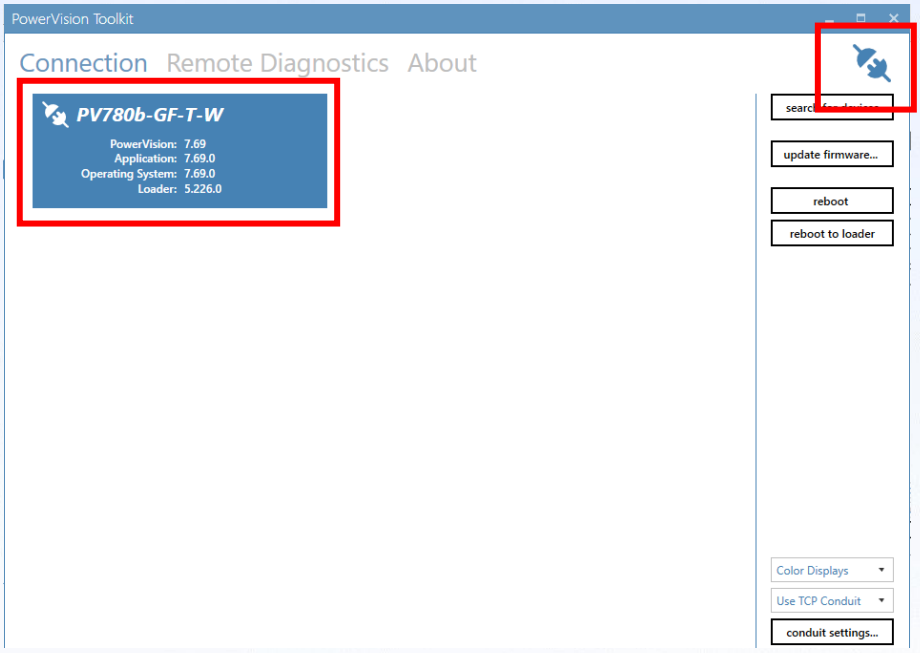


IP Address: 192.168.0.2
Subnet Mask: 255.255.255.0

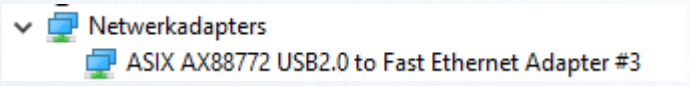


STEP 4:
Verify the communication has been established. The PowerVision Toolkit should indicate the connection symbol in blue and should also indicate the software versions of the HMI.

ATTENTION!
It might take up to a minute before the connection has been established!

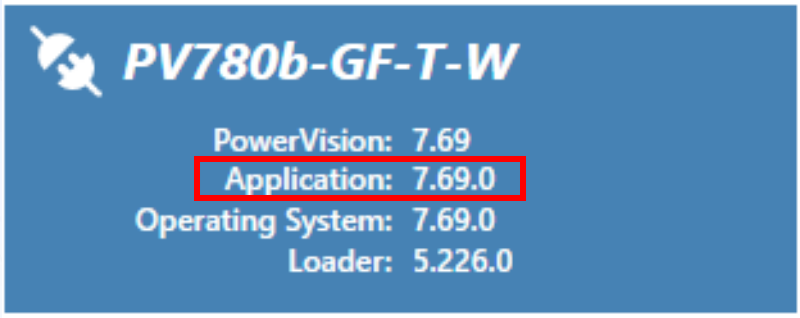


ATTENTION!
If the connection won't be established automatically you have to make sure the right drivers for the USB-LAN adapters are installed. Correct drivers should indicate "ASIX AX88772 USB2.0 to Fast Ethernet Adapter" in the Device Manager under Network adapters:

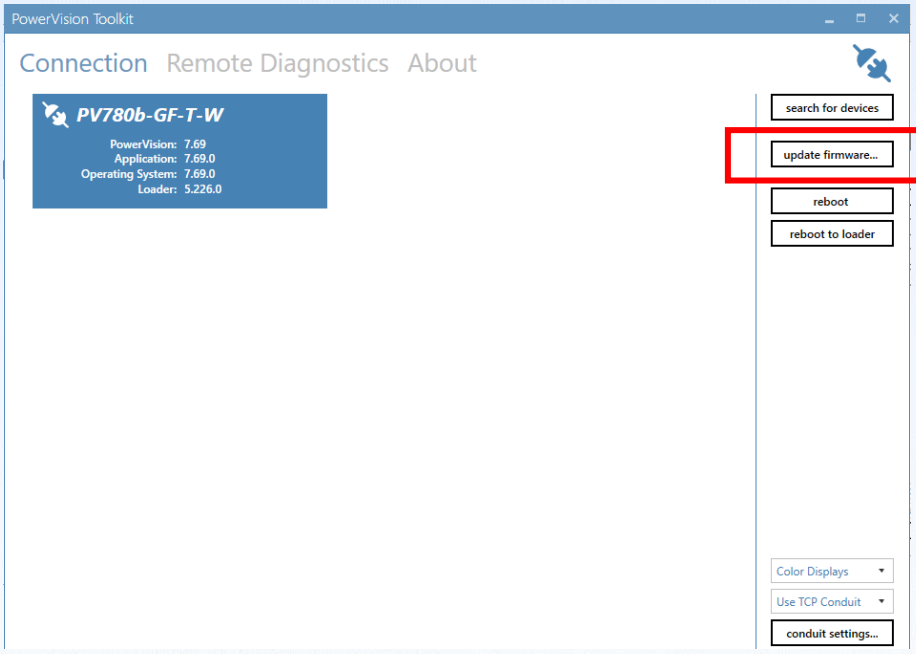


STEP 5:
Verify the current installed Application software version. If the version is 5.XX.X or higher, you can proceed with the update procedure.

ATTENTION!
If the version is older then 5.XX.X an "INVALID FILE" fault code will be shown during the update process. A different configuration need to be loaded first to accept the latest available configurations. Consult Impulse Pumps for further instructions.



STEP 7:
Press “update firmware…” to select the latest Impulse Pumps configuration with file extension type pv2.



ATTENTION!
after selecting the latest available configuration with file extension pv2 the HMI is automatically starting the installation procedure. Do NOT remove power from the machine during the installation! Wait until the HMI has been rebooted before continuing with the next step.

STEP 8:
Verify that the software has been successfully updated at the INFO page named: Software Version Display. If the software has been successfully updated the procedure has been finished.

Consult Impulse Pumps if a fault code will be shown during the installation of the new configuration. Additional steps need to be carried out to update to the latest configurations.

Notes

Dewatering Technologies

ECOMIZER-PRO pump technologies are designed for a better and greener planet

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Impossible to live without water

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