USB PC Adapter Configuration
USB PC Adapter Configuration  A Step By Step Guide Rev 2.0

USB PC ADAPTER V4 INSTALLATION

The USB PC Adapter V4 is used for communication between a PC USB interface and TR-devices with RS485 interface. The programming of the program-specific protocol occurs with TRWinProg programming software.

The PC adapter is supported by the following PC programs:

- TRWinProg V3.42 or later, Soft-No.: 490-00416
- EPROGW32 V1.0.3.4 or later, Soft-No.: 490-00418
- LTProg, Soft-No.: 490-00415

At installation a **USB-Module** driver and then a **USB Serial Port** driver will be installed. The COM Port is created as a virtual interface. The PC adapter is used internally like a normal COM interface.

**System Requirements**

- IBM compatible PC
- CD-ROM Drive
- One available USB interface
- Windows 98SE®/Me® or Windows NT 4® / 2000® / XP® / 7®

1. Install TRWinProg V3.42 or later (use CD provided with Adapter because it has the appropriate device files.)
2. Connect Adapter to PC via USB interface cable only. (Don’t connect power or ribbon cable)
3. New hardware Wizard will direct you though the driver installations for both the TR Serial Port and TR-USB-Module, so once you have completed the first Hardware Wizard the second Hardware Wizard should begin immediately.
4. Select “Display a list of known drivers” and hit enter. In the “Select a Device Driver’ window click on “Have Disk” type in the following path – C:\Program\TRWinProg\USBDriver and complete the installation. If the Devices are not listed in the Device Manager as TR Serial Port (Ports (COM & LPT) and TR-USB-Module (Universal Serial Bus controllers) the adapter will not work correctly. Please note that the com port used for the TR Serial Port must not exceed COM10.
5. Open your Device Manager and right click on “TR Serial Port (COM3 in example)” under the Ports section and verify the parameters below.

![Device Manager screenshot]

6. Again, only with the USB cable connected open the TRWinProg software, select Global from the Extra Menu and verify the following parameters. Please note that COM number may vary from PC to PC depending on the amount of comports set up on the PC prior to installation of adapter.

![TRWinProg Global settings]

7. USB PC Adapter must be programmed for use with both TRWinProg and EPROGW32. A USB PC Adapter programmed for TRWinProg cannot be used to program an EPROG encoder etc. Adapter power supply must be connected when programming encoders but not when programming adapter.

EPROG Programmable Encoders

If your encoder label indicates that the encoder is EPROG programmable follow the instructions below. (If using TRWinProg skip to step 9)
8. If you are intending to use this USB PC Adapter to program an EPROG encoder the following parameters must be set in TRWinProg. Once the above parameters are entered into the Global fields (Step 6) you are ready to communicate to the adapter. In the main TRWinProg window click on the cyclical green arrows to go online. Select the Basic Parameter tab and enter the following information for connectivity with EPROG programming software. Once the information has been entered click on the red down arrow to download the information to the adapter. You are now ready to program with EPROG. Close the TRWinProg software and connect the USB adapter to the encoder via the ribbon cable and the PT-6 breakout module (see wiring information.) Both the encoder and the adapter must be powered up either by the included AC adapter or by an external 24 VDC power supply. Once the appropriate connections have been made, power up the devices and open the EPROGW32 programming software. The software should automatically connect to the encoder.

![TRWinProg window](image)

**TRWinProg Programmable Encoders**

If your encoder label indicates that the encoder is TRWinProg programmable follow the instructions below.

9. If you are intending to use this USB PC Adapter to program a TRWinProg encoder the following parameters must be set in TRWinProg. Once the above parameters are entered into the Global fields (Step 6) you are ready to communicate to the adapter. In the main TRWinProg window click on the cyclical green arrows to go online. Select the Basic Parameter tab and enter the following information for connectivity with TRWinProg programming software. Once the information has been entered click on the red down arrow to download the information to the adapter. You are now ready to program an encoder with TRWinProg. Close the TRWinProg software and connect the USB adapter to the encoder via the ribbon cable and the PT-6 breakout module (see wiring information.) Both the encoder and the adapter must be powered up either by the included AC adapter or by an external 24 VDC power supply. Once the appropriate connections have been made, power up the devices and open the TRWinProg programming software. Click on the cyclical green arrow key to go online.
USB PC ADAPTER V5 INSTALLATION

The USB PC adapter HID V5 is used for communication between PC – USB interface and TR-devices. The programming of the program-specific protocol occurs with the programming software “TRWinProg” ex V5.11, Soft-No.: 490-00416.

The PC adapter is detected and integrated automatically as a "standard HID-Device" at the USB interface. Therefore no additional device drivers are necessary. A Maximum of 7 PC adapters can be connected to a PC at the same time.

System Requirements

- One available USB interface
- Windows 7® / 8® and Newer

1. Install TRWinProg Software 5.11 or newer (use CD included with adapter or download through our website www.trelectronic.com)
   
   A. If you are downloading through our website unzip the folder ‘49000416’ to your desktop and open ‘setup.exe’ in order to install the TRWinProg software.
B. Start TRWinProg software on the PC and connect the USB PC Adapter (do not connect power to device)

C. If the program loads up in German please follow the below instructions. If it automatically loads in English, go to step 3.:
   i. Go to Extra
   ii. Go to Global

   iii. Go to Sprache and Select English.
iv. Click on Save and then OK

D. Next, select the menu “Extra --> Global” menu again.

E. In the drop-down menu “Comm-DLL : TRWPDLL”, the selection “HID-Device” must be set automatically.
F. Select the button to the right in the window at “USB-HID” to show the available HID devices and the serial COM ports.

G. Choose the “HID-Device”, with a double click on the left mouse button. On the top of the window at the menu “USB-HID” it can be selected which HID-device shall be accessed. Select “JA” to accept setting changes. The HID device address is now displayed in the window. If the HID device is already active, it can’t be selected again. In this case, this window must be closed and the window “Global” must be opened again.

H. Maximum 7 adapters can be connected to a PC at one time. Therefore the HID device addresses from 0xA361 to 0xA367 are available.
I. To save the settings you have to press the “OK” button.

J. With the “Offline <--> Online”, button the PC-Adapter now can be connected.

K. If the error in the picture below appears when trying to go online with the adapter, you will need to copy the file “437A15_101.TR” to the “Devices” folder in the TRWinProg install directory. (If you do not have this file, please contact TR Electronic)

A. Standard install location:
C:\Program Files\TRWinProg\Devices or
C:\Program Files (x86)\TRWinProg\Devices (May vary depending on computer).
B. Restart TRWinProg and try to connect again.

C. If the unit successfully connects and goes online you should see a screen similar to the picture below:

D. Click disconnect. Congratulations, your TR USB Adapter has now been setup and configured for use.
Electronic Center of Technical Excellence will work with you to develop the best solution for your Application.

USA 1.800.709.3309  |  CAD 1.800.265.9493

customercare@trelecon.