

INSTALLATION INSTRUCTIONS

STEP 1

INSTALLING THE SERIAL TO USB ADAPTER ONLY USE THIS ADAPTER IF YOU HAVE NO COM PORT ON YOUR LAPTOP, otherwise skip to STEP 2

The COM PORT is a 9 PIN port that looks just like the 9 PIN port on the end of the blue adapter



The Serial to USB adapter comes with it's own driver CD, it is a small CD included in the package. If you lost the CD, you can download the drivers from the manufacturer's website, the model is 26886

LINKS

http://server.iad.liveperson.net/hc/s-21882319/cmd/kbresource/kb-1474191473636883435/view_document!PAGETYPE?sc=2647&sf=101133&documentid=157459&action=view

USB TO SERIAL DB9 ADAPTER (26886) MANUAL

Hardware Requirements:

- A USB-enabled PC

Software Requirements:

- Windows® 98/98SE/ME/2000/XP/Vista

Package Contents:

- Installation Guide (this manual)
- The USB to Serial Adapter
- Driver CD

Driver installation

Make sure that you install the driver software before plugging the adapter into the USB port for the first time!

1. Insert the CD into your CD-ROM. The CD should auto-run and a menu should appear. Click the relevant product button, and then click the "Install Driver" button. Follow the on screen prompts until the installation wizard is finished.
2. Reboot your PC.
3. After the computer boots, plug in the adapter. Windows will find new hardware and install the appropriate drivers.

(If the CD does not auto-run or a menu does not appear, click Start, Run, and type D:\autorun.exe. Substitute D:\ for the letter of your CD-ROM drive.)

To Verify Successful Installation in Windows®98SE/ME

1. From the main desktop, double-click **My Computer**, double-click **Control Panel**, **System**, then **Device Manager**.
2. You should see a category called **Ports (COM & LPT)**, and a device called **USB To Serial Port (COM x)** (or something similar) where the x represents the COM

number assigned to the port by Windows.

To Verify Successful Installation in Windows®2000

1. From the main desktop, right-click **My Computer**, select **Properties**. Click the **Hardware** tab, then **Device Manager**.
2. You should see a category called **Ports (COM & LPT)** and a device called **Prolific USB-to-Serial (COM x)** (or something similar) where the x represents the COM number assigned to the port by Windows.

To Verify Successful Installation in Windows®XP and Windows Vista

1. From the Start menu, click **Control Panel**, then **System**. (Make sure you are in Classic View). Click the **Hardware** tab, then **Device Manager**.
2. You should see a category called **Ports (COM & LPT)** and a device called **Prolific USB-to-Serial (COM x)** (or something similar) where the x represents the COM number assigned to the port by Windows.

Troubleshooting

If you find that the adapter is not communicating after installing the driver try these suggestions.

Many serial devices and applications cannot work on a COM port higher than 4.

If the COM port is higher than 4, you should change it to a lower number. You can do this through the Device properties.

To change this COM number assigned, go to **Device Manager** under **Ports** and find the device, as above. Right-click that device and select **Properties**. Click the **Port Settings** tab. Click the **Advanced** Button. You will see a box in the lower left corner to assign a different COM port to the adapter. Please note this procedure only works for Win ME, 2000, and XP users.

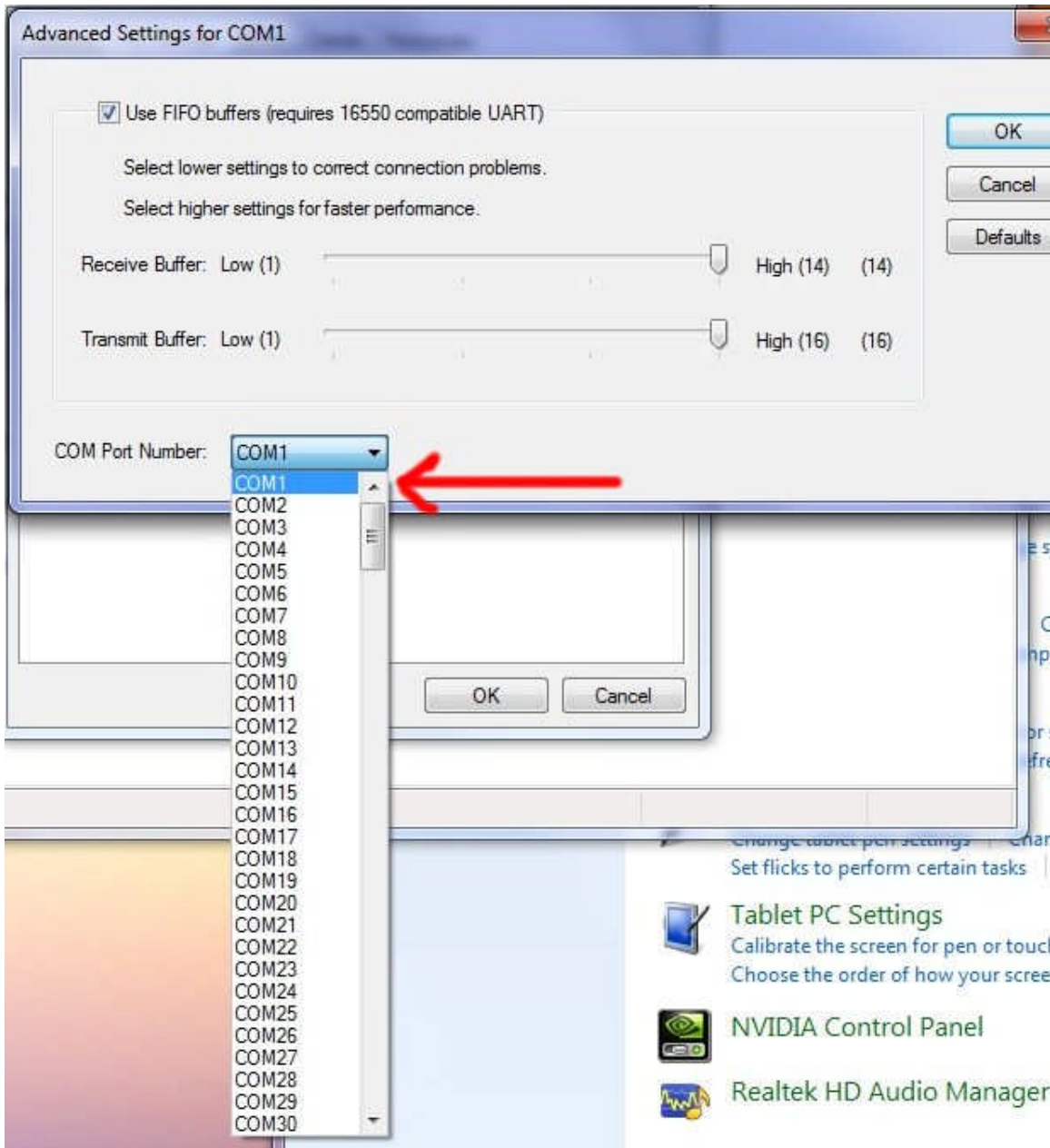
If you cannot get the serial device to communicate, make sure the settings on the Properties tab match the ones required for your serial device. Also, under Advanced Settings (Advanced button, above) try backing down the sliders or disable the FIFO buffers (uncheck the box) altogether.

Finally, if you still are having communication issues, contact your serial device manufacturer. If our adapter shows correctly in Device Manager (per above), it is installed correctly and there is nothing further we can do. The problem is with your serial device or its software settings.

Removing the Drivers

To remove the drivers, go to Add/Remove Programs in Control Panel, and select **PL-2303 USB-to-Serial**

FOR PF-Diagnose you need to set the Serial to USB adapter COM Port to COM 1,2,3 or 4. Windows defaults to COM 5, this will not work. Go to the device manager in Windows, Locate the Ports (COM and LPT) section, locate the Prolific USB-to-Serial (COM5) or something similar, select Port Settings and advanced, there you will see a box with the current COM port number such as COM5. Change it to COM1



STEP 2 INSTALLING THE TRUCK DATA LINK ADAPTER DRIVER

The Datalink Adapter is needed to communicate with the truck. If you are using an adapter supplied by another vendor, follow the instructions for that adapter and skip to STEP 3

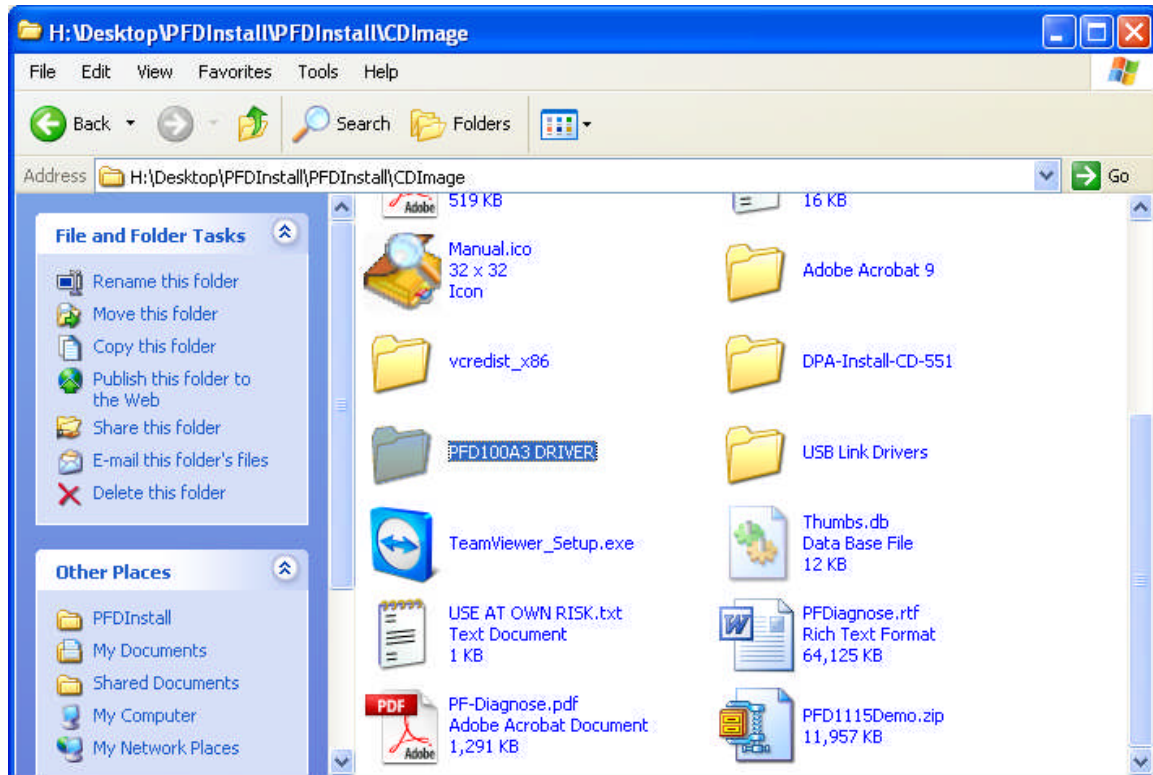
PF-Diagnose Truck Adapter



On the PF-Diagnose CD



There is a folder called **HDV100A3 DRIVER** or **PFD100A3 DRIVER**



Go to that folder and run the **SETUP.EXE** file. This will install the adapter drivers for either the B&B Electronics HDV100A3 or the PF-Diagnose adapter PFD100A3, Follow the instructions and it is recommended you use the default settings for the install unless you are very computer-literate.

STEP 3 SETTING UP PF-DIAGNSOE

PF-Diagnose needs to use the serial port (Step 1) to communicate with the truck adapter (Step 2).

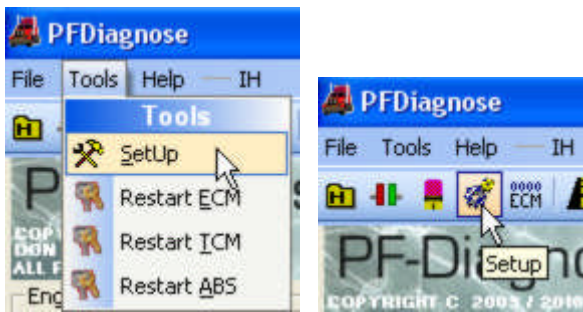
To do this you need to tell PF-Diagnose what com port (Step 1) is used for what make of adapter (Step 2)

For this setup we will assume that you are using our PFD100A3 Adapter on serial port COM 1

Start PF-Diagnose

If PF-Diagnose is not REGISTERED, please do so now, see Registration Instructions found on the support website.

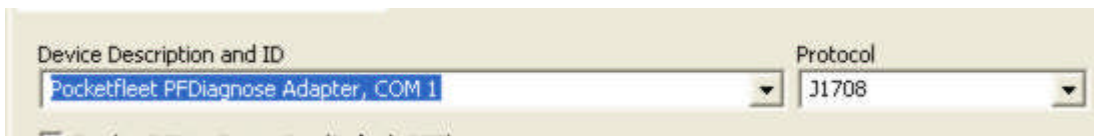
Open the Setup screen by selecting Setup from the Tools Menu or selecting the setup Icon in the tool bar.



The first tab is the COMM tab

Select the Pocketfleet PFDiagnose Adapter on COM 1 or B&B HDV100A3 RP1210 Adapter on COM 1, which ever way it is worded on your installation, even if the adapter is already listed, drop the selection box down and re-select it.

Then select J1708 to start



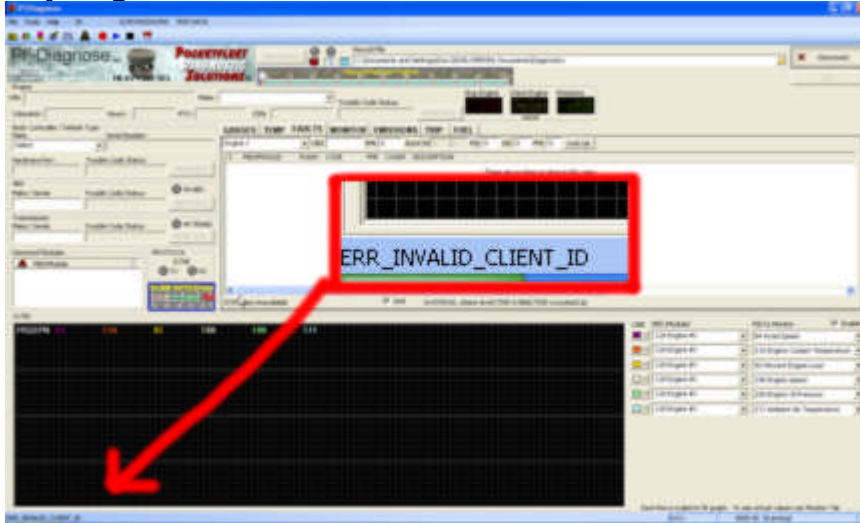
Exit the setup.

With the adapters all connected, and the key in the vehicle in the RUN position, select the CONNECT button



Within a few seconds, you should see data appear, this could be the VIN, Mileage, Graphs or Gauges

If you get an error in the status bar for Invalid Client ID



The program can not communicate with your adapter. Check all of the connections, the key is ON, the drivers are installed and the serial adapter is COM 1

If all is good, Try changing the protocol to J1939 in setup



Then try connecting again

You should always set this back to J1708 when done so you do not forget it the next time you try to connect.

REASONS PF-Diagnose fails to connect

- **Serial to USB is set to the wrong com port (STEP 1)**
- **Adapter choice in setup is incorrect, wrong port or wrong adapter (STEP 2)**
- **Key in vehicle is not turned on**
- **Vehicle datalink is faulty**
- **Serial extension cable is wrong type, do not use a NULL MODEM cable which looks identical but is wired differently. Use the cable we supplied with our adapter or the adapter manufacture supplied you if using another adapter.**

HOW TO CHECK THE VEHICLE DATALINK

IF the Adapter's red light does not illuminate when you connect to the vehicle, check vehicle fuses and power connections. The adapter requires 12v from the dataport to operate.

Try connecting to another truck, if you can connect to other trucks but not a specific vehicle, the dataport may be defective, refer to the manufacturer for troubleshooting and repair procedures.

Heavy Trucks from the late 80's on started using electronic controls, most manufacturers adopted the J1708 protocol, some like MACK and some European Models also did not. These vehicles likely will not connect.

Then later, around the year 2000, vehicles started using the higher speed J1939 protocol, many also kept using J1708 for everything except a few high speed parameters like Transmission main shaft speed.

In 2008/2009 some engines switched entirely over to J1939

Therefore it is a good idea to try J1708 first, if you do not get the data you require or no data at all, disconnect, change to J1939, then reconnect (DO NOT EXIT AND RESTART THE PROGRAM)

If PF-Diagnose locks up, reboot out of it and when it is restarted, change the settings to another adapter or protocol

Please be sure to check the FAQ pages at

<http://www.pocketfleetdiagnosticsolutions.com/pfdfaq.htm>

For more details and / or other issues and work-arounds