

# PC Link and ProLog Manual updates

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# **1 PC Link**

## **1.1 FAQ #1 My PC Link does not appear to work.**

New versions of the VR3 now come complete with a demonstration version of Prolog dive logging software. To unlock the use of this feature and access all future features involving the PC link system, it is necessary to purchase a new PIN number for the VR2 and VR3. Older units that have received software upgrades recently (V2.1 and above) and who have already purchased the full prolog/PC link kit (C5) need only apply for the new PIN which will be issued FOC on proof of purchase.

## 2 Prolog

### 2.1 FAQ #1 How do I get started?

Before you start, uninstall any previous versions of Prolog that you may have on your computer.(see FAQ#7below)

Once the uninstall is complete

- Insert Prolog CD Rom
- (Prolog will check Access Compatability)
- (ProDive start-up screen will show).
- Click on ProDive
- Click "NO" on Uninstall Prior Version.
- Follow screen instructions.

(After Install complete, follow screen instructions to install the relevant manuals).

IMPORTANT, after you have installed everything,

- Go to your Prodrive Directory,

(or go to Search for Files/Folders (File Finder) in your PC's menu bar, type in VRFIRM.DAT then click on search now or find)

Double click on the Vrfirm.dat file to open it

(if you can only find a VRFirm1.dat file then rename it VRFirm.dat before you open it.)

(if your PC asks you which progamme to use to open it choose a WORD programme or WordPad or Notepad)

You will see a number of rows of text: click on the end of the last line of text Press ENTER on your keyboard to move your cursor to the start of the next new line. Type in the software version listed on the bottom line of the start up screen on your VR3, (this will look something like V2.1CXR)

(Capital letters must be capitalized)

(if the VR computer has Version 3 .0 software loaded, when typing the software version in your Vrfirm file, omit the final capital letter. (This means if the bottom line on the start up screen reads V3.03aB, type in V3.03a). Add a comma, then add the number 2.)

Press enter on your keyboard

Go to your Windows task bar, click on File, cli ck on Save in the dropdown menu that appears, then exit the screen.

When you turn on your VR3/VR2 to download dives, a short push on both switches will bring up the DiveNow legend and will give you five minutes to work without the unit shutting down to save battery power.

Set your VR3/VR2 to PC link mode in the OPTIONS menu

Ensure that Full = 0 on the PC link screen. If the figure is not 0, change it to 0 by a short push on both switches

Open ProDive on your PC

On your ProDive menu bar, go to Tools then go to Options. The period field should be set to 10. Set the Com Port to match your PC. (Note: even if you appear to have only one Com port on your PC do not assume it is Com 1. Try each in turn until communication with your VR3/VR2 is established).

Place your serial Infra Red (IR) link or USB IR link close to or touching the area on the VR3/VR2 where the IR signal beams out.

- In VR3s built before June 2003, the IR signal beams out of the top of the screen display near the VR3 logo.
- On units built from June 2003 onwards, i.e. those with software version V2.1C and beyond or where the silver switch circlips can be seen on the underside of the VR3, the Infra Red signal beams out of the bottom right hand corner of the screen.
- On VR2s the signal beams out from the rear of the screen on the side opposite the I/O port.

A short push on the right switch of your VR3/VR2 will produce an empty screen. Your VR3/VR2 will now try to communicate with your PC.

Click on the VR3 symbol on your ProDive menu bar. Your PC will start listening for your VR3/VR2 on the Com port you have selected.

When you are connected you will see the words 'Connecting to VR3' at the bottom left on the PC screen and the two symbols to the right of the VR3 symbol on the ProDive menu bar will turn yellow.

To upload a gas profile to your VR3/VR2 click on the "two tanks" symbol.

To download dives from your VR3/VR2 click on the "Dive Log Page" symbol.

## **2.2 FAQ #2 Why am I having difficulty downloading dives?**

Go through the following checklist.

1. Have you in fact purchased Prolog?

NOTE: in the case of VR3s with software version 2.1c and beyond, the PC link is disabled until you enter the PIN no. which comes with the purchase of the Prolog download kit.

2. Did you enter your VR3 software version code into VRF IRM.dat? NO, see FAQ #1

3. Are you using a laptop with a built-in Infra Red device? YES, see FAQs #4 and 6

4. Is your serial Infra Red (IR) link or USB IR link close to or touching the area on the VR3 screen where the IR signal beams out?

- In VR3s built before June 2003, the IR signal beams out of the top of the screen display near the VR3 logo.

- On units built from June 2003 onwards, i.e. those with software version V2.1C and beyond or where the switch circlips can be seen on the underside of the VR3, the Infra Red signal beams out of the bottom right hand corner of the screen.

5. Is your VR3 in the PC link screen?

6. Does Full = 0 (zero) on the PC Link screen? If not, change it to 0.

7. On your Prolog menu bar, go to Tools then go to Options. The period field should be set to 10.

8. Do you only see 'listening for VR3' on your Prolog screen after you have pushed the right switch on the VR3 and clicked on the VR3 symbol in the top left of your Prolog screen window? Yes? Make sure you give a short push on both switches when you first turn on the VR3 to activate the DiveNow legend in the main screen. This will stop the VR3 timing out during the connection process.

9. Does your VR3 initially communicate with the PC (connecting with VR3) but then stop and revert to the 'listening for VR3' without downloading anything? Yes? See FAQ#8.

10. Have you set the Com Port (1,2,3,4,5,6,7 or 8)(see FAQ #5)

NOTE: Even if you appear to have only one Com port on your PC do not assume it is Com 1. Try each in turn until communication with your VR 3 is established.

11. Have you actually dived the VR3? Even if the dive log appears to show a 'factory' dive ensure you have dived the unit prior to trying to download.

### **2.3 FAQ #3 How do I print out dives from Prolog?**

Open the Dive Log

Select the dive you want to print by clicking on it once

Click the right hand mouse button and select 'Browser' from the menu that appears

A log of the dive will open in your web browser and may be printed from there  
OR

Open the Dive Log

Select the dive you want to print

Bring up the dive graph

Press 'Print screen' on your keyboard

Open a WORD document

Press Paste

The dive graph will appear on the document

Print from your new WORD document

### **2.4 FAQ #4 Why is my in-built lap-top infra red device causing a problem?**

Some built-in lap-top infra-red devices will cause problems with Windows Prolog because they generate a continuous output of information that interferes with the data stream from the VR3.

You may find that you cannot download dives, that your VR3 freezes up or that you lose your dive log and gas information settings.

To avoid these problems you should

- use a serial or USB plug-in link,

(and naturally we recommend our Delta P serial 9 pin infra red link, item C6 in the catalogue),

- disable your in-built infra red driver, (see FAQ#6).

Note: if you use an extension cable with your infra -red link, make sure that it is a pin to pin cable, (no crossovers).

- The link can be configured as either Com 1,2,3 or 4.

- Go to the Prolog menu bar,

- click on Tools then Options to find the VR3 communications setting window.

- Make sure you have set the correct Com port.

Even if you appear to only have one Com port on your PC, do not assume it is Com 1. Try setting Prolog to each Com port in turn.

NOTE: If you still seem to have problems with downloading try using the DOS version of Prolog (supplied on the Proplanner disc) first. If that works, then the problem is with internal conflicts within your PC.

## **2.5 FAQ #5 How do I set up Windows Prolog to communicate with my VR3?**

- Open Windows Prolog
  - Click on Tools in the menu bar
  - Click on options
  - Set the Com Port (1,2,3,4,5,6,7 or 8)
- ( Even if you appear to have only one Com port on your PC do not assume it is Com 1. Try each in turn until communication with your VR 3 is established.

## **2.6 FAQ #6 How do I disable my lap-top's built in infra-red driver?**

PCs and operating systems vary but generally

- Go to My Computer
- Right Click
- Go to Systems Properties in the drop down menu
- Click on Hardware
- Click on Device Manager
- Find Infra Red Port
- Click on Disable
- Restart your PC

## **2.7 FAQ #7 How do I uninstall previous versions of Prolog?**

- Go to the Control Panel on your PC
- Click on Add/Remove Programmes
- Find ProDive
- Click on it
- Click on Remove
- Follow screen instructions

## **2.8 FAQ #8 My VR3 is communicating with the PC successfully but only briefly and it will not download anything. Why is this?**

First, check that you actually have some dives logged on your VR3 in addition to the test 'factory' dive your VR3 came with

If you see the legend "connecting to VR3" followed by a brief lock up then the original words, 'listening for VR3 on Com....', this indicates that Pro Dive has opened the IR Port and something is being received but that ProDive does not recognize the VR3 as being the source of the signal and that information is being received concurrently from another device.

To check if this is the case, try the transfer again in a room away from other IR devices such as laptops, mobile phones, printers or PDAs. The interference may be coming from your own laptop, in which case disable the in -built infra-red driver (see FAQ#6)

The IR link to the VR3 must be reliable before ProDive will proceed with uploading or downloading.

## **2.9 FAQ #9: Zero Depth: I am downloading dives and the dive logs on the PC are showing Zero Depth. How can I cure this?**

Running the VR Wizard takes care of this problem, (Go to the Prolog Menu Bar, tools, Utilities VR Wizard).

Failing that:-

1) Look at the plink screen in the Options menu on your VR3. Does Full = 0? If so, good. If it reads Full = 1, then a short push of both switches will return it to Full = 0.

2) Go to your Prodiver Directory,(or go to Search for Files/Folders (File Finder) in your PC's menu bar, type in VRFIRM.DAT then click on search now or find) Double click on the Vrfirm.dat file to open it(if you can only find a VRFirm1 file then rename it VRFirm before you open it)

(if your PC asks you which programme to use to open it choose a WORD programme or WordPad or Notepad)

You will see a number of rows of text: click on the end of the last line of text Press ENTER on your keyboard to move your cursor to the start of the next new line. Type in the software version listed on the bottom line of the start up screen on your VR3, (this will look something like V2.1CXR)

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Press enter on your keyboard

Go to your Windows task bar, click on File, click on Save in the dropdown menu that appears, then exit the screen.

Then try again to download the dives into a separate log, (to avoid duplicates).

## **2.10 FAQ#10 How do I record Location and Dive Site information?**

Highlight Location in the left hand section of the main Prodiver screen

Go to the menu bar, click on the location symbol, a window will open.

Type in the location name.

When you close the window the new location will appear in the left hand section.

Highlight this then click on the A flag symbol in the menu bar.

Type in a dive site name.

When you close it then highlight the location in the left hand section of the main screen the site will appear in the main section.

Open your dive log, double click the selected dive to open it.

Click on Select Location Site

You will see a window with your list of locations

Click on the appropriate location

A drop down menu of sites within this location will appear

Click the appropriate site to highlight it

Click OK

The site and location you have selected will appear in the relevant boxes.

To add location notes click on the small box at the end of the location field and type your comments in the box that appears in the site window.

To add site notes, click on the small box at the end of the site field. This will open a new section where you can record site type, co -ordinates and notes.

## **2.11 FAQ#11 I am using the new USB Infra Red link and the Wizard is not completing its sequence.**

This is because the Wizard cannot read the virtual Com Port created by the PC for the USB link

Ensure your C35 USB Infra Red link is plugged in and the Drivers have been installed.

Find out what Com Port has been assigned to the link by going to My Computer/ View system information / System properties / Hardware / Device Manager / Ports

In your ProDive menu bar go to Tools then Options and change the Com Port setting to the number of the Com Port assigned to the Infra Red Link in the Device Manager. You will now be able to connect just fine.

One of the functions of the Wizard is to match the Prodrive programme to the Software Version of your VR computer. As the Wizard is not completing its sequence, you have to do this manually; as follows:-

Go to your Prodrive Directory,

(or go to Search for Files/Folders (File Finder) in your PC's menu bar, type in VRFIRM.DAT then click on search now or find)

Double click on the Vrfirm.dat file to open it

(if you can only find a VRFirm 1.dat file then rename it VRFirm.dat before you open it.)

(if your PC asks you which programme to use to open it choose a WORD programme or WordPad or Notepad)

You will see a number of rows of text: click on the end of the last line of text

Press ENTER on your keyboard to move your cursor to the start of the next new line. Type in the software version listed on the bottom line of the start up screen on your VR3, (this will look something like V2.1CXR)

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Press enter on your keyboard

Go to your Windows task bar, click on File, click on Save in the dropdown menu that appears, then exit the screen.