

# TDRPlotV4.0 SOFTWARE INSTALLATION AND INITIALISATION

## 1. OVERVIEW

Each new **TDR200** Reflectometer is supplied with a custom **Control Laptop PC** with pre-installed **TDRPlot** software. No further software installation is required other than any posted updates. To install this software on a new PC, please use the following instructions, which assume that the user has a basic understanding of the **Windows** operating system. It also assumes that the **"Open Shell"** user interface program has been installed on the PC (see **section 8** of this note).

## 2. SOFTWARE DOWNLOAD

Download and save the compressed file folder **TDRPlotv4.0.zip** at:

<http://www.rowtest.com/Support.html/TDRPlotv4.0.zip>

**Unzip** the compressed folder by double-clicking on it and selecting the **"open with Windows Explorer"** option.

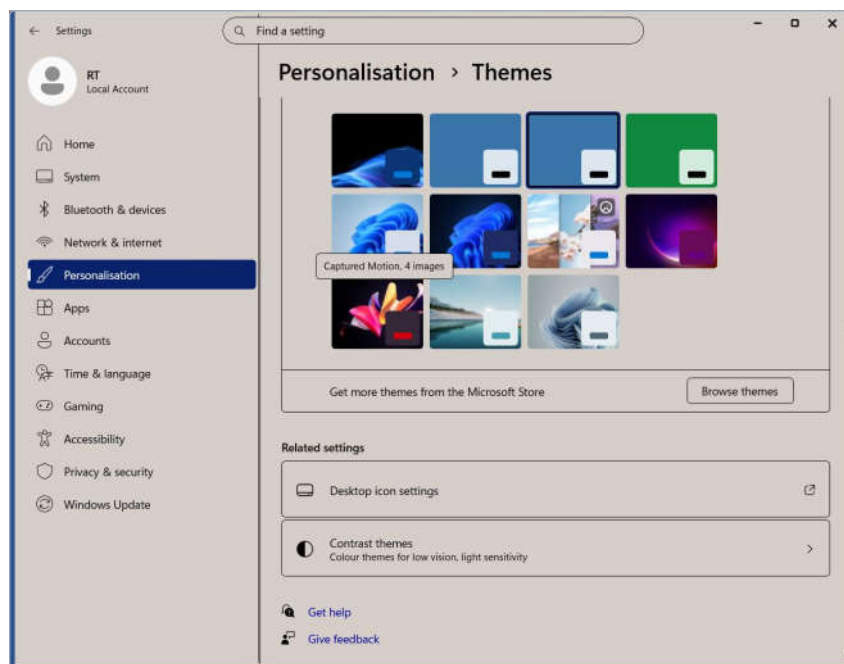
Copy the now uncompressed folder **TDRPlot** to the C\:\ folder on the PC.

## 3. SOFTWARE INSTALLATION

**Please note that detailed instructions for updating an existing TDRPlot software installation are given in Appendix 1.**

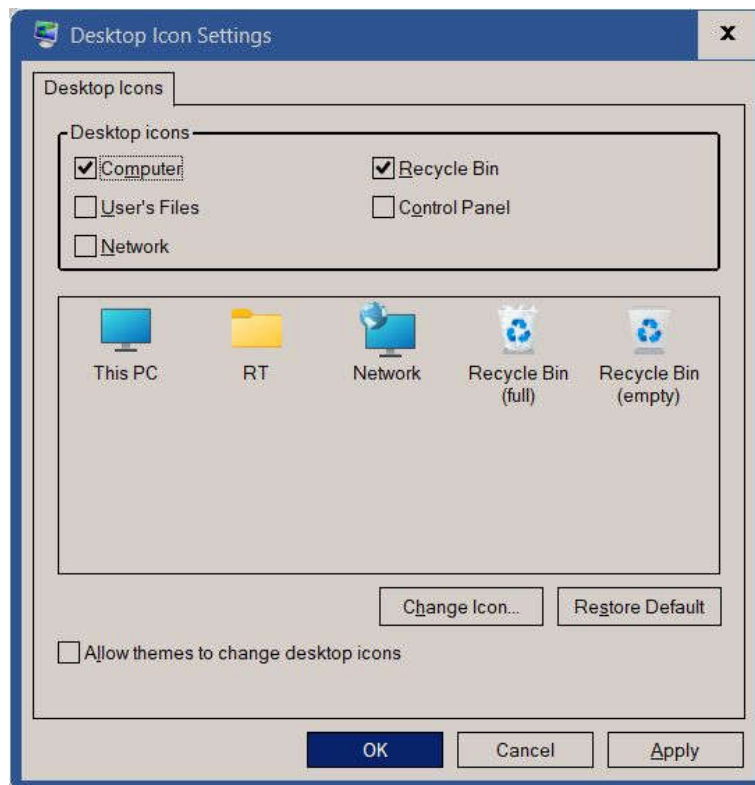
Open the **C:\TDRPlot** folder and then open the **Program files** sub-folder.

Run the **RT1.deskthemepack** program. This will install a new **Windows theme** on the PC and a **Personalisation window** appears as shown below.



**For Windows 11 users only:**

In the **Personalisation window**, scroll down and click on the **Desktop icons** option. The **Desktop icons settings** window appears.



Click on the **Computer** and **Recycle Bin** options as shown above then click **Apply** and **OK** buttons. This will restore these icons to the **Desktop Window** if they are missing in Laptops running **Windows 11**.

Now close the **Personalisation window**.

Make a shortcut to the **TDRPlotv4.0.exe** file and move this shortcut to the **PC Desktop**).

Close the **TDRPlot** folder, make a shortcut to the **TDRPlot** folder and move this shortcut to the **PC Desktop**.

Change the 2 **new shortcut icons** to the default versions. These can be found in the **C:\TDRPlot\Program files\icons** folder. Further **details about changing icons** can be found in **Appendix 1** of this note.

#### **4. FTD DRIVERS**

Install the **FTD serial (USB) port drivers** as follows:

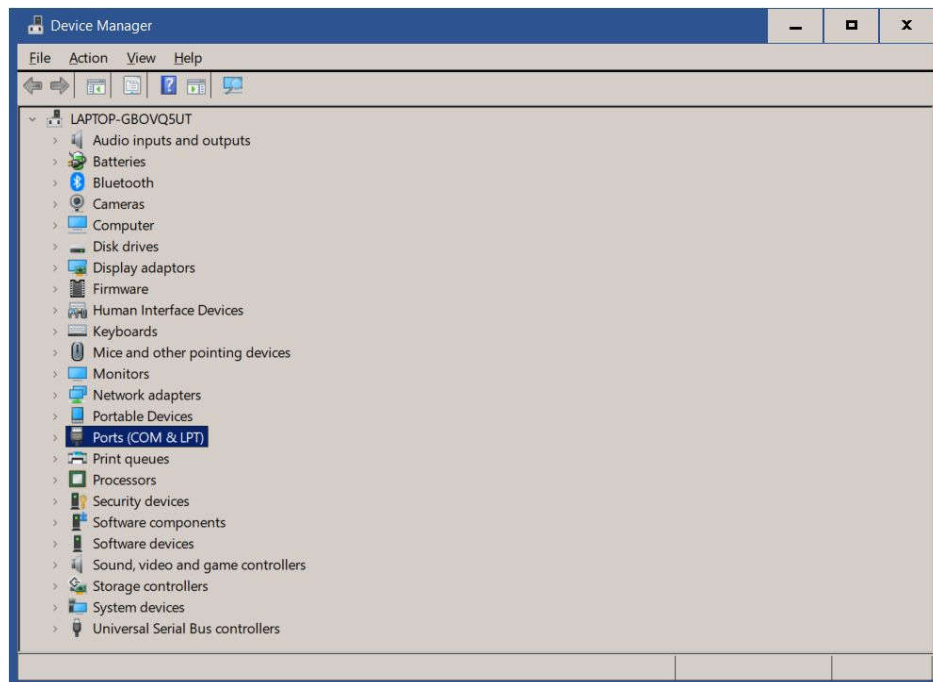
Open the **C:\TDRPlot\Program files\FTD\Virtual Com Port** folder.

Run the **CDM2123620\_Setup.exe** file. This will install the required driver files.

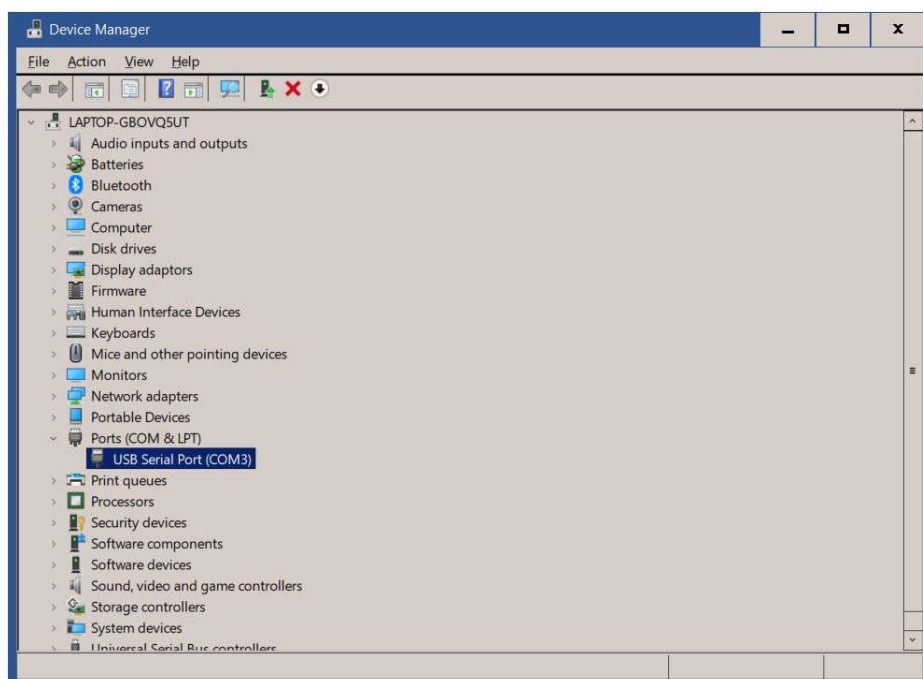
## 5. FINDING THE PC COMPORT NUMBER

Connect the **Reflectometer** to the **PC** via the **USB cable** and switch it on.

Access the PC **Control Panel** and then click on **Device Manager**:



Now expand the **Ports (COM & LPT)** option by clicking on the > arrow. The list of com ports in use is displayed (in this case, COM3 as shown below).



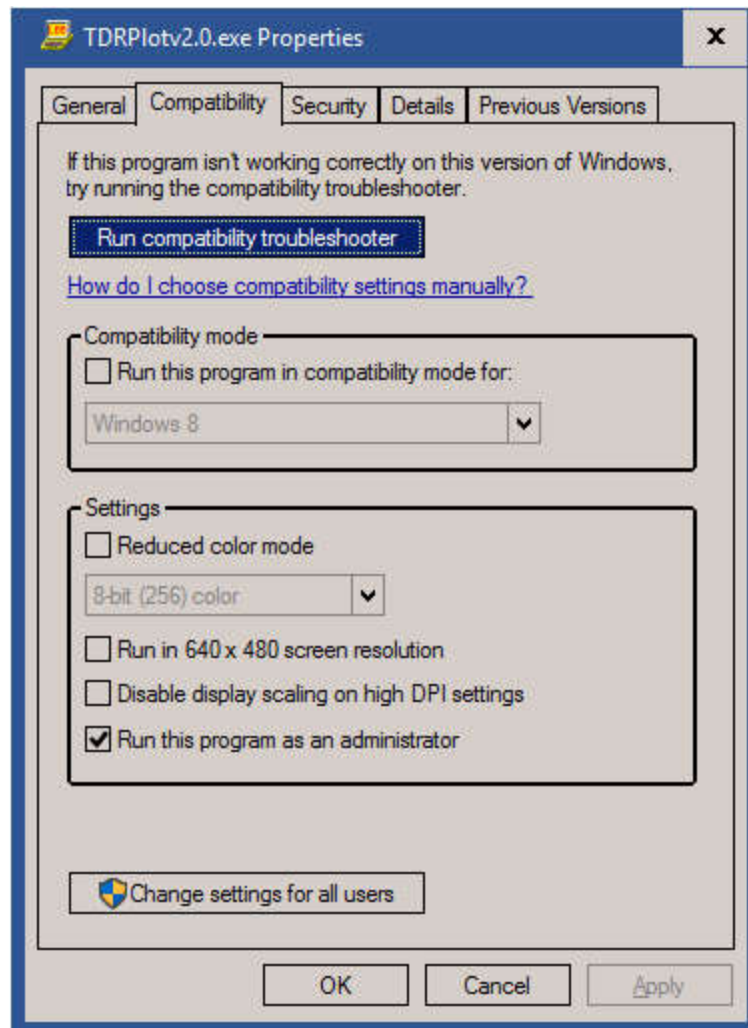
If only one port is shown, as in the case above) this is the comport number in current use (**COM3**). This number should be entered later in the comport parameter box in the **TDRPlot Control window**. Otherwise, note the comport number for use later in the **TDRPlot Control window**.

## 6. PROGRAM COMPATIBILITY SETTINGS

The program **TDRPlotv4.0.exe** must be set to "**Run as administrator**" mode. This is done as follows:

Right click on the **TDRPlotv4.0.exe** file in the **Programs sub-folder** and click on the **Properties** option.

When a new window appears, click on the **Compatibility** tab



Click on the "**Run this program as an administrator**" option in the **Settings** box.

Click **OK** to exit the window.

The **TDRPlot software** can now be run by double-clicking on the **TDRPlot shortcut icon**.

## 7. CHANGE THE USER ACCOUNT SETTINGS.

The following changes need to be made in the **User Account Settings** section of the **Control panel** to allow the **TDRPlot** program to run without generating a security query:

**Control Panel > User Accounts > Change user account control settings >**

Now set the vertical slider to the **Never notify** setting.

If this change is not made, the PC will always ask permission before running the **TDRPlot** program.

## 8. SETTING UP THE WINDOWS INTERFACE

### 1. Change to standard Desktop view by default

By default **Windows 10** boots to the **Tiles screen**, which is optimised for consumer use. It is preferable for the PC to boot to the Classic **Windows Desktop** for commercial use and this can be done by installing the **Open Shell** program. This has been included and can be installed by running the **Setup** file in the **Open Shell sub-folder** within the **TDRPlot Program files** folder.

### 2. Set the Classic screen Theme.

A close approximation to the **Classic Windows** theme, which gives a high-contrast-type display, can be implemented by running the supplied **RT1.deskthemepack** program.

Note that this theme may not work correctly for all programs. In this case, users can easily switch back to a standard **Windows theme** by right-clicking on the **Windows Desktop**, selecting the **Personalise** option and then selecting another Theme.

### 3. Disable Hot Keys (to stop accidental screen rotation on some PCs (ALT + arrow keys)).

Right click on Desktop > Graphics Options > Hot Keys > Disable

### 4. Set Default applications for file types

This allows files to be opened with a specific program by double-clicking on the file name.

**Start button > Control Panel > Default Programs >**

### Associate a file type or protocol with a program

Now click on the required file extension type and select the program you want to use to open the file.

**5. You may wish to install the following additional programs:**

**Libre Office** (for editing text files)

**Irfanview** (for viewing image files)

**Foxit Reader** (for viewing pdf files)

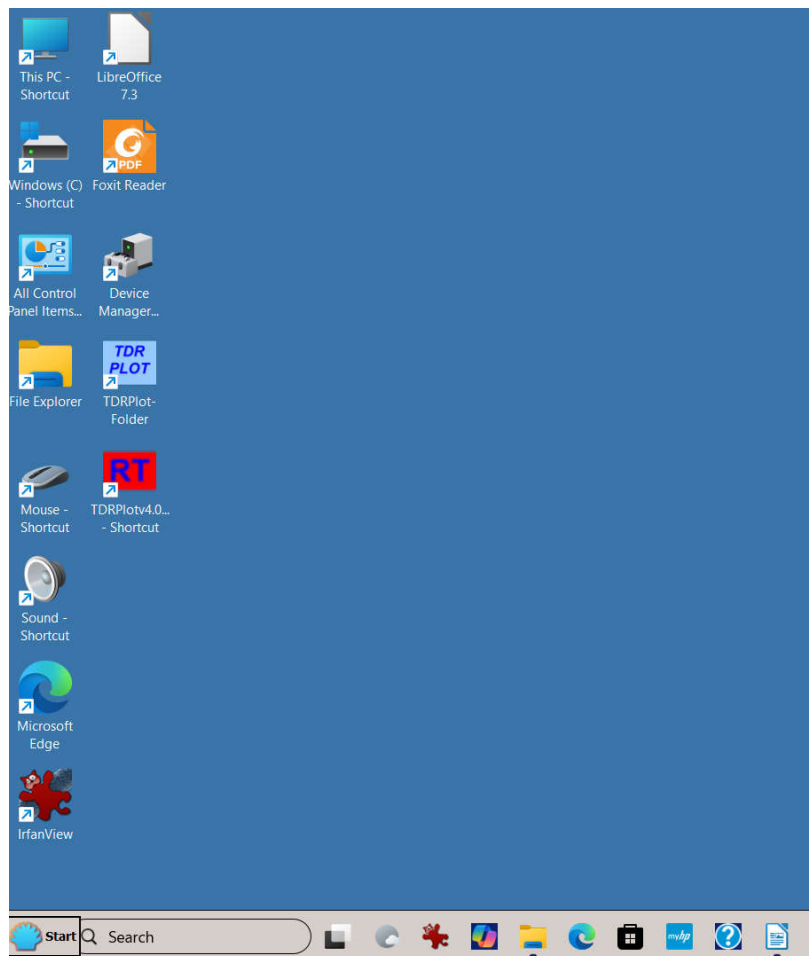
**Please notify us by email at [enquiries@rowtest.com](mailto:enquiries@rowtest.com) if you experience any problems installing the TDRPlot software.**

## APPENDIX 1

### INSTALLING THE SOFTWARE AS AN UPDATE TO A LAPTOP CONTAINING THE PREVIOUS SOFTWARE VERSION.

These instructions assume that the user has a basic understanding of the Windows 11 operating system. Where necessary, please refer back to the detailed information in the main note.

On the Laptop PC with the existing original Rowtest **TDRPlot v3.02** software installed, the **Desktop** window should resemble that shown below.

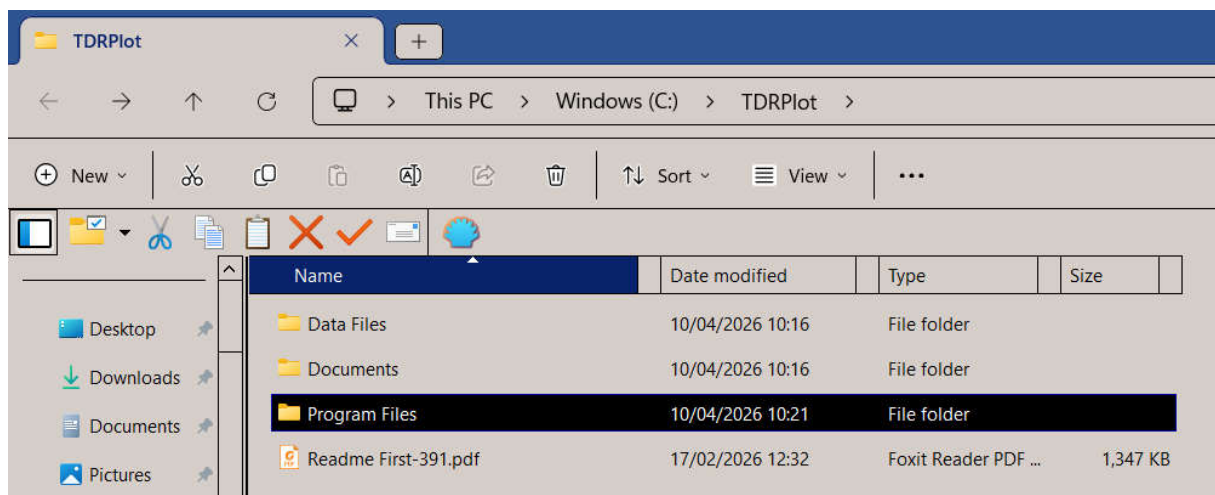


Use the **File Explorer** program to open the **C:\**folder and **Rename** the existing **C:\TDRPlot** sub-folder to **C:\TDRPlot-old**. This will save the existing setup files in case of any problems during the update. Close the **File Explorer** and revert to the **PC Desktop**.

**Right Click (RC)** and **Delete** the existing (**RED**) **Desktop shortcut** to the **TDRPlotv3.02.exe** program. **Do not delete** the existing (**BLUE**) shortcut to the **TDRPlot folder**.

If you have an **Update CD**, then connect a suitable portable CD drive to the laptop and insert the supplied **Update CD**. Copy the new **TDRPlot folder** from the supplied CD to the **C:\** folder on the laptop. Alternatively, download the new software from the Rowtest website as detailed previously in **section 2** of this note.

Open the new **TDRPlot** folder to show its contents as shown next.



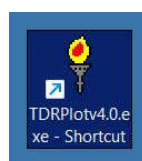
Now open the **Program files** sub folder. The next figure shows some of the files in this folder.

Name	Date modified	Type	Size	Date created
FTD	10/04/2026 10:16	File folder		10/04/2026 10:16
Icons	10/04/2026 10:16	File folder		10/04/2026 10:16
W11 Set up files	10/04/2026 10:16	File folder		10/04/2026 10:16
error.log	17/03/2026 10:56	Text Document	6 KB	10/04/2026 10:16
LBB-TDRPlotv4.0.exe	18/02/2026 15:04	Application	132 KB	10/04/2026 10:16
refini.txt	15/09/2022 13:46	Text Document	1 KB	10/04/2026 10:16
RT1.deskthemepack	30/03/2026 17:27	Windows Desktop ...	66 KB	10/04/2026 10:16
RT1.dll	26/01/2015 15:08	Application extens...	137 KB	10/04/2026 10:16
T200ini.txt	06/04/2026 17:35	Text Document	1 KB	10/04/2026 10:16
TDRPlotv4.0.exe	19/05/2017 14:49	Application	1,202 KB	10/04/2026 10:16
TDRPlotv4.0.tkn	18/02/2026 15:10	TKN File	87 KB	10/04/2026 10:16

**Double Left Click (DLC)** on the program **RT1.deskthemepack**. This will install a new **PC theme RT1** on the Laptop.

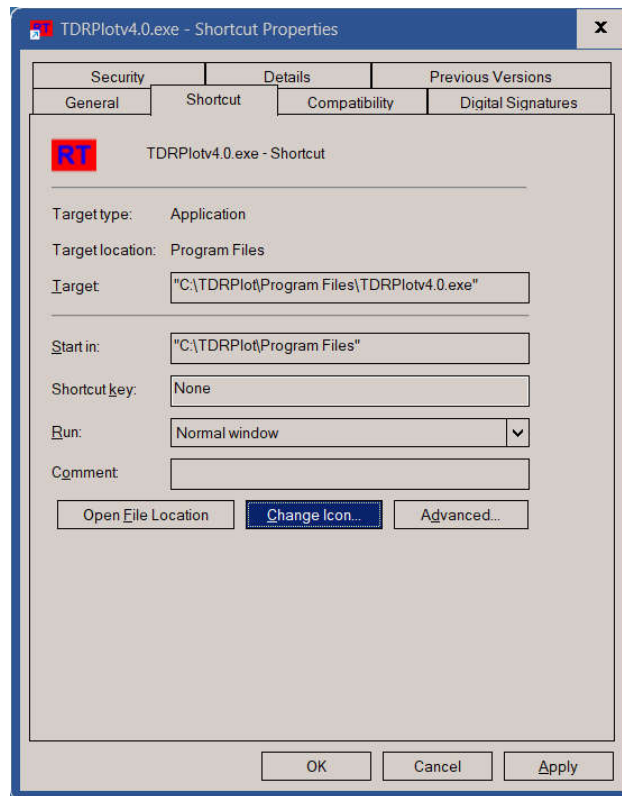
**Right Click (RC)** on the **TDRPlot v4.0.exe** program and select **show more options** .

Select **Send to** and then **Desktop**. This will create a new **Desktop shortcut** as shown below.



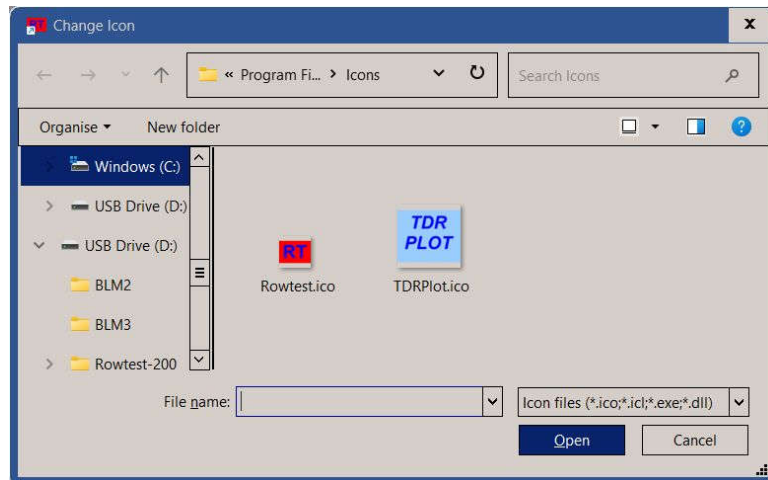
**Right Click** on this new shortcut and **Left Click** on the **Properties** option in the new window which appears as shown next.





**Left click** on the **Change Icon** button. A new window appears.

Browse to the folder **C:\TDRPlot\Program files\Icons** and select the **RED** icon.



**Left Click** on **Open > Apply > OK** to change the icon.

Go to the **Desktop** to check that the **Icon** is now displayed as before the update.

The **TDRPlot** software is now updated and ready for use. Please contact us by email at **enquiries@rowtest.com** in the case of any problems.