Wattbike

Updating Firmware

Model B Wattbike Performance Monitor (WPM) Firmware Update Procedure on a Windows Operating System (Windows XP, Vista, 7 & 8)

Caution! Read these instructions in full and thoroughly

The Firmware update procedure is relatively simple and easy to do by following the steps below.

These instructions were written based on updating the Wattbike Performance Monitor (WPM) using a Windows 8 Operating System (W8OS).

Although the procedure may be slightly different on predeceasing WOS's these instructions are still applicable. Where they are not the same there will be instructions written (in brackets).

1. The first step is to download the latest Firmware version from the Wattbike website **wattbike.com/uk/ wattbike/downloads** under the heading 'Firmware' click 'Model B'.
   - This will automatically start the download of the firmware.bin file* (less than 500Kb in size)
   - The download will automatically be saved into the default download folder (usually 'Downloads')
   - Ensure you know where the firmware.bin file is located on the computer, for the later steps of this procedure
   - The firmware file will be named according to this scheme Wattbike-ModelB-firmware-[version number]-[release date].bin, e.g. Wattbike-ModelB-firmware-V12001-20141015.bin).

2. Ensure the WPM is plugged into the mains via the external power adapter (supplied with the bike) and is charging (red light ON signifies this**),

**If the red light does not display;

   - The WPM is fully charged, but still plug it in,

3. To initialise the update protocol called 'Program Mode';
   - Ensure the WPM is 'OFF',
   - Hold the 'ENTER' button then press and release the 'ON/OFF' button,
   - 'Program Mode' will appear on the WPM screen

4. Using the USB A-B cable (supplied with the bike) connect the computer running Windows to the WPM.

5. The windows operating system may initialise an 'Installing new hardware window' this is normal and should be left to be completed. Once this has finished a new window may*** open with the 'firmware.bin' file showing. (fig 1.0)
   - *** If this window does not open automatically the WPM can be accessed by navigating to the 'My computer' or through the 'File explorer' (Windows 8) and selecting 'Wattbike WPC' Removable disc drive or similar from the side pane (Windows 8) or in 'My computer'
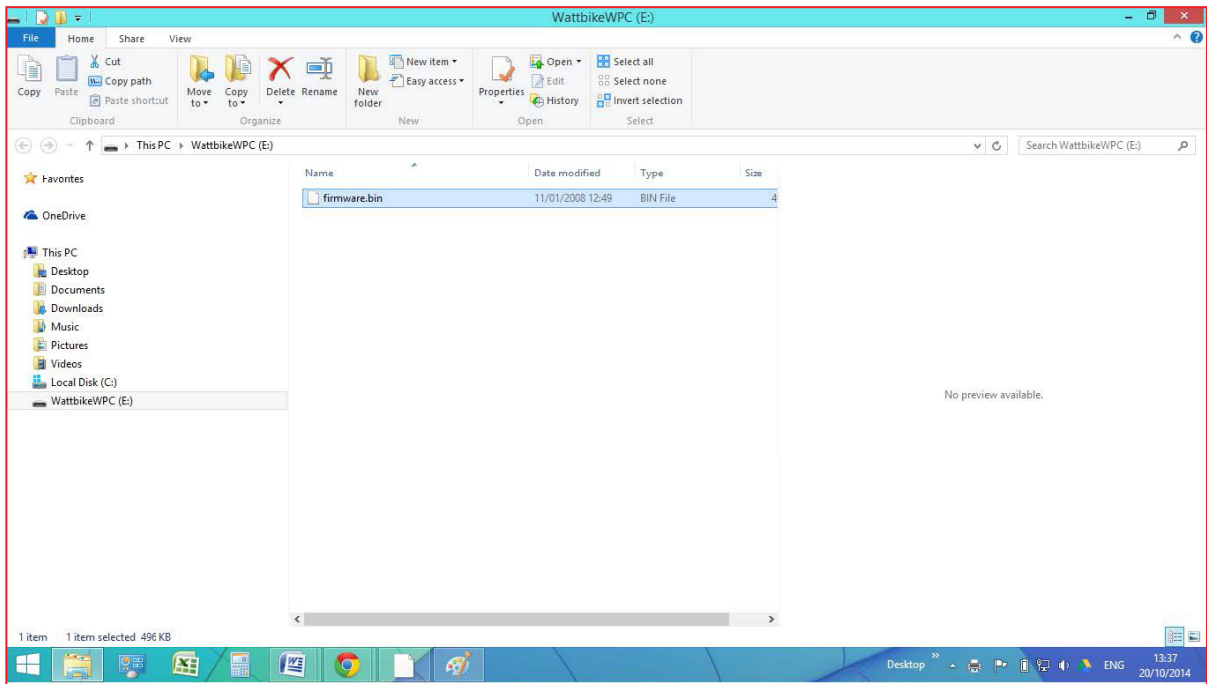
Fig 1.0

6. Delete the file firmware.bin in the WPM location by right clicking, then click 'Delete', see (fig 1.1).
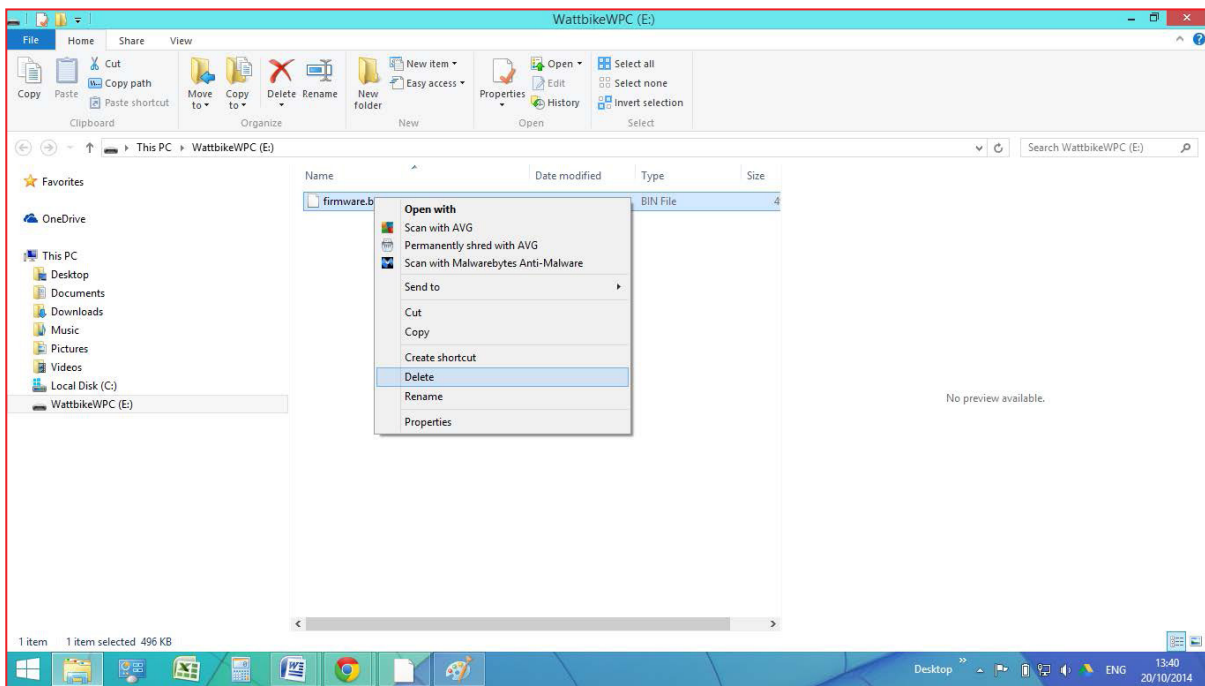

Fig 1.1

7. Once deleted, drag and drop (or copy) the newly downloaded firmware.bin file from the saved location on your computer to the WattbikeWPC location see (fig 1.2), this will then;

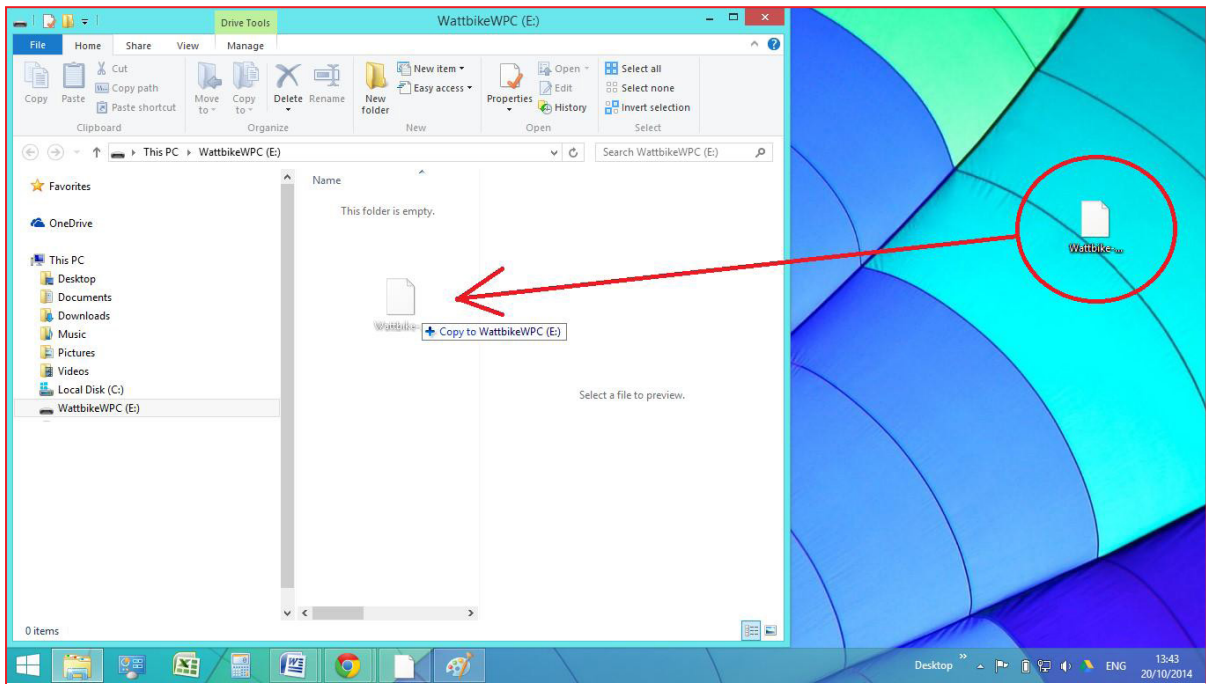   • Copy the firmware into the WBM and update.

Fig 1.2

If at any point during this process something does not go according to these instructions and you suspect the WPB has been corrupted or still displays 'Program Mode' call Wattbike on 0115 945 5450 for further assistance.

Troubleshooting

Q. The WPM has frozen with Program Mode on the screen.

Use a small object such as an open paperclip and insert it into the small RESET hole in the back of the WPM near the external power supply female socket. Press once and extract the paperclip.

Q During the update procedure, when copying the firmware file over to the WPM, it went blank and now there is nothing on screen.

Using a small object such as an open paperclip and insert it onto the small RESET hole in the back of the monitor with the other hand hold the ENTER button and continuously press the POWER button (similar to putting the WPM into program mode) whilst pressing the RESET until program mode reappears on the screen. This is the 'Hard reset' procedure of the WPM.

Q Can I do this procedure on a Mac (OSX) computer?

Yes, there is a user guide for this on the website named – Updating Firmware with a Mac.