New features in PQ-Box 100/150/200/300 Software "WinPQ mobil" V4.1.0.1

17/4/2018

This document details the main changes made in WinPQ mobil release V4.1.0.1 compared to V4.0.2.1.

Software V4.1.0.1 should be used with PQ-Box firmware:

File	***PQ-Box 100***	***PQ-Box 150***	***PQ-Box 200***	***PQ-Box 300***
Boot	*1.202*	*0.206*	*0.206*	*0.206*
DSP	*1.404*	*4.026*	*4.026*	*4.026*
MCU	*2.018*	*3.016*	*3.017*	*3.935*
FPGA	*N/A*	*N/A*	*0.013*	*N/A*
HF Vers	*N/A*	*N/A*	*N/A*	*0.010*

To access some new features, the firmware in the PQ-Box must also be updated. Refer to the latest User Manual for instructions on how to update firmware.

Caution – Save/back-up setting and data files on your PQ-Box before updating MCU firmware. Updating the MCU deletes all measurement files.

As a precaution, please back-up user recording & data files on your PC before updating WinPQ mobil software.

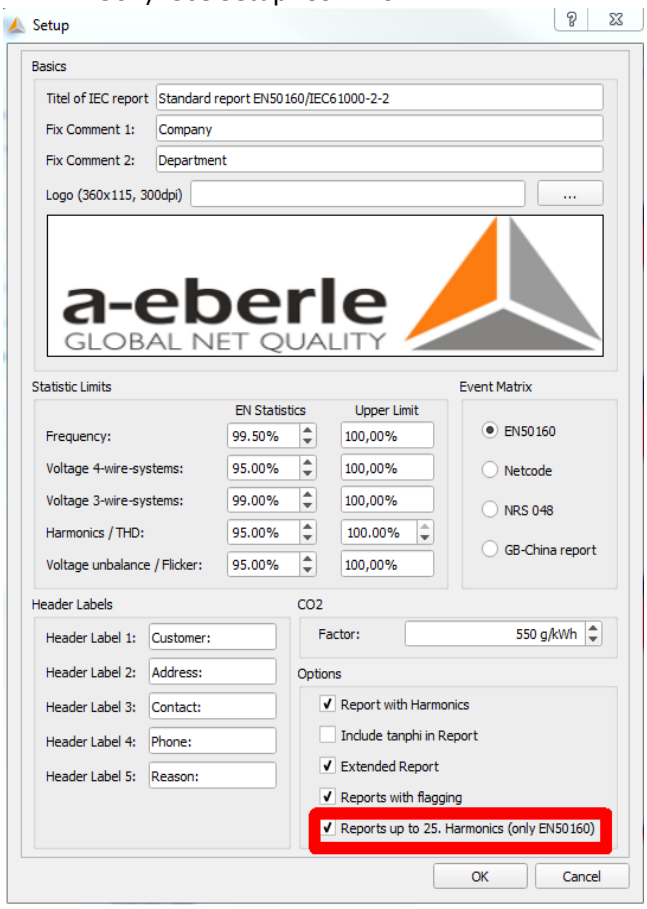
Compatibility:

- *This latest version of software is able to open data files downloaded with earlier versions.*
- *After updating the firmware of the PQ-Box to above, you should only use WinPQ mobil V4.1.0.1 (or later) to download data from the PQ-Box. While earlier version of WinPQ mobil may appear to permit downloading of data and uploading of new settings, the* ***use of earlier versions of WinPQ mobil will not be supported*** *as these do not use/set the full parameters of the latest PQ-Box firmware.*

New Features:

1) Improvements

- Transient card in PQ-Box 200 now adjustable up to 4MHz sampling (was 2MHz)
- EN 50160 and Voltage/Current harmonic reports can be limited to 25th Harmonic (default is 50th). Use Setup>Common>



2) Various bug fixes:

- Time no longer sent to PQ-Box when auto syncronise disabled
- ASCII export of Oscilloscope records improved – timestamps corrected
- EN report now shows the correct number of PLT values
- Frequency information in EN printed report corrected
- Ripple control 3s data class – missing value now shown
- CSV export: Umax and Imax harmonics now included