

## 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:*

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

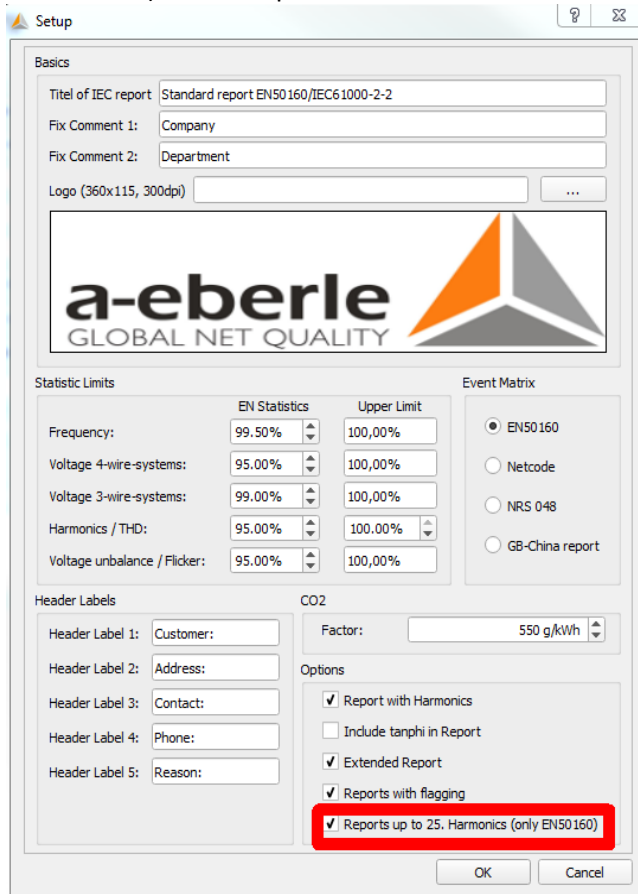
*Compatibility:*

- *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 25<sup>th</sup> Harmonic (default is 50<sup>th</sup>). Use Setup>Common>




Setup

Basics

Title of IEC report: Standard report EN50160/IEC61000-2-2

Fix Comment 1: Company

Fix Comment 2: Department

Logo (360x115, 300dpi) 

Statistic Limits

	EN Statistics	Upper Limit
Frequency:	99.50%	100,00%
Voltage 4-wire-systems:	95.00%	100,00%
Voltage 3-wire-systems:	99.00%	100,00%
Harmonics / THD:	95.00%	100.00%
Voltage unbalance / Flicker:	95.00%	100,00%

Event Matrix

EN50160

Netcode

NRS 048

GB-China report

Header Labels

Header Label 1: Customer:

Header Label 2: Address:

Header Label 3: Contact:

Header Label 4: Phone:

Header Label 5: Reason:

CO2

Factor: 550 g/kWh

Options

Report with Harmonics

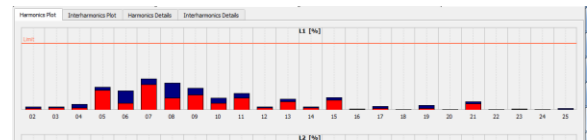
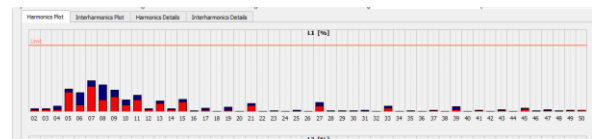
Include tanphi in Report

Extended Report

Reports with flagging

Reports up to 25. Harmonics (only EN50160)

OK Cancel



### 2) Various bug fixes:

- Time no longer sent to PQ-Box when auto synchronise 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