

## New features in PQ-Box 100/150/200/300 Software “WinPQ mobil” V4.0.2.1

15/1/2018

*This document details the main changes made in WinPQ mobil release V4.0.2.1 compared to V3.1.8.1.*

*Software V4.0.2.1 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	4.025	4.025	4.025
<b>MCU</b>	2.018	3.016	3.016	3.927
<b>FPGA</b>	N/A	N/A	0.012	N/A
<b>HF Vers</b>	N/A	N/A	N/A	0.009

*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 V4.0.2.1 (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

- New PQ-Box 300 supported (Harmonic recording to 170 kHz)
- Wifi support for PQ-Box 300
- Improved setup screens (some functions from the first screen now moved to new pages)

#### 2) Various bug fixes:

- Comma and decimal point selection in CSV export fixed
- PQ-Box 150/200:
  - Calculation of unbalance current implemented
  - Real and reactive power values corrected to be based on fundamental
  - Update will also update bootloader – note update might need to be completed a second time for the bootloader to update to v0206 – needed for start without external power.