

New features in PQ-Box 100/150/200 Software “WinPQ mobil” V3.1.7.1

21/3/2017

This document details the main changes made in WinPQ mobil release V3.1.7.1 compared to V3.1.5.

Software V3.1.7.1 should be used with PQ-Box firmware:

File	PQ-Box 100	PQ-Box 150	PQ-Box 200
Boot	1.202	0.197	0.197
DSP	1.400	4.018	4.018
MCU	2.015	3.010	3.010
FPGA	N/A	N/A	0.012

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 V3.1.7.1 (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) IEC 61000-4-30 Edition 3 Compliance.

PQ-Box 150 and PQ-Box 200 firmware (MCU) has been updated to meet IEC 61000-4-30 Edition 3, with independent certification now available.

The major changes in Edition 3 are Rapid Voltage Changes and Poly Phase Events. Poly Phase events occur in three phase configurations, with only the deepest of the phase voltage dips being reported.

2) Various bug fixes:

- Interval trigger function of the oscilloscope recorder improved
- CSV Export of the ripple control recorder improved
- Unification of paths for Win7 systems
- New Visual C++ Redistributable for Visual Studio 2015 added (DLL Bug)
- XML Statistic Addin, shifted harmonics fixed
- Readback of frequency triggering parameters fixed
- Layout "Factory settings" fixed
- Storage of the events at maximum utilization of PQ-Box 150/200 improved
- PQ-Box 150/200 display of online data improved
- Time jump after DCF clock signal loss fixed
- Error in PQ-Box 150/200 screen lock on Personal Unlocking Key (PUK) fixed