

# ModuLab

## Software History

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### Purpose

This document summarizes the changes made to the Solartron ModuLab software since the initial release.

### ModuLab Software History

The table below lists the major software revisions.

Revision	Date	Changes Included
1.1.3461	23 <sup>rd</sup> June 2009	Bug Fixes: <ul style="list-style-type: none"><li>• If data from a step containing only one measurement was exported to CSV, an error occurred.</li><li>• On the Measurement Setup, the '% of pulse/step width' options did not work. (This bug was introduced in version 1.0.3365)</li></ul> Enhancements: <ul style="list-style-type: none"><li>• Added Decision Steps to allow different steps to run depending on the experiment conditions.</li><li>• On the Graph Setup, a menu has been added to the 'Export All' button to allow exporting to the Scribner software.</li></ul>
1.0.3365	19 <sup>th</sup> March 2009	Bug Fixes: <ul style="list-style-type: none"><li>• When measurement rate was not an integer number of microseconds (e.g. 3000 per second) data from consecutive steps overlapped or had a gap.</li><li>• In some situation, the Equivalent Circuit fitting would lock-up the software.</li><li>• In Equivalent Circuit fitting, CPE and Warburg distributed elements were not working correctly.</li><li>• The help system was not working with some multi-byte character sets (E.g. Japanese.)</li></ul> Enhancements: <ul style="list-style-type: none"><li>• There are a number of minor usability improvements in the Step Setup, and Equivalent Circuit fitting.</li><li>• In the Experiment Setup, the Bandwidth can now be set to 'Auto', which will select the bandwidth and stability settings based on the equipment and current ranges used in the experiment.</li><li>• The duration of Impedance steps is now estimated while the step is running, and time remaining is displayed in the status grid.</li></ul>
1.0.3247	24 <sup>th</sup> November 2008	Initial release