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Ablemail Software Interface (ASI)

The software interface allows Ablemail or an Ablemail partner to make selections within the setup of the Ablemail Universal Power Converter, calibrate units ,view the unit inputs and outputs in real time and to access the blackbox data recorder of the converter. The Ablemail Software Interface can configure the Universal Power Converter as a converter, a battery charger or a solar charger.

The settings accessed by the Ablemail Software Interface allow the converters/chargers to be configured to meet specific vehicle , specific battery and specific charge and operating regimes .The flexibility allows these units to be used with Stop/Start vehicles, vehicles with regenerative braking and vehicles fitted with Smart alternators . In addition the converters/chargers can easily be configured to meet any new requirements using this software .

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Profile and Settings





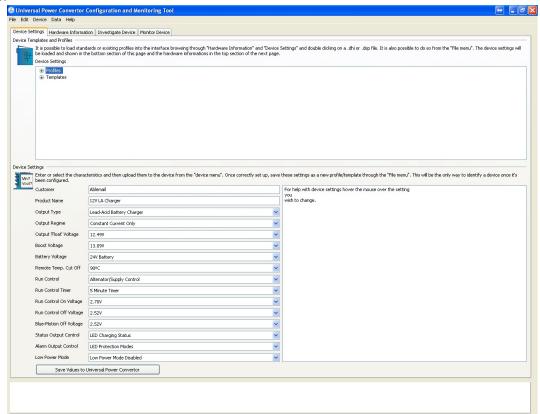
The Ablemail Universal Power Converter contains very powerful software which can be configured to optimize the converter for working on particular vehicles in customer specified conditions.

The Ablemail Universal Power Converter can be configured as a converter, a battery charger or a solar charger.

Each of these modes have a number of settings for operating with for example different types of batteries, stop start vehicles ,vehicles with smart alternator fitted and different customer trigger voltage thresholds.

The screenshot below shows many of the options but if you have a particular requirement please talk to the Ablemail Technical Sales as can be included.

The profiles are configured to allow you to ensure that every converter is programmed exactly as your first converter.





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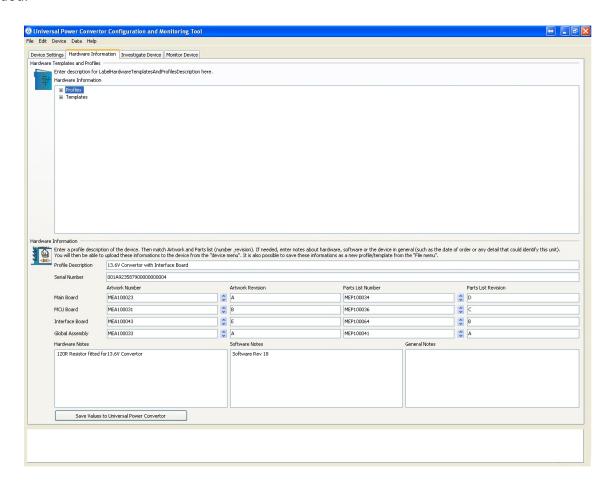
Hardware and Calibration





The converter is serialized and has the facility to store vehicle information change and revision data and life data. This data is accessed and changed through the hardware interface.

Each converter is individually calibrated so that each unit delivers +/-50mV of the target voltage. The calibration can be checked at any time through the life of the converter and any necessary corrections recorded.





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Fault Finding ,Troubleshooting and Incident Investigation

Every complex product and complex vehicle has installation, commissioning and fault finding issues over the life of a vehicle's production and running.

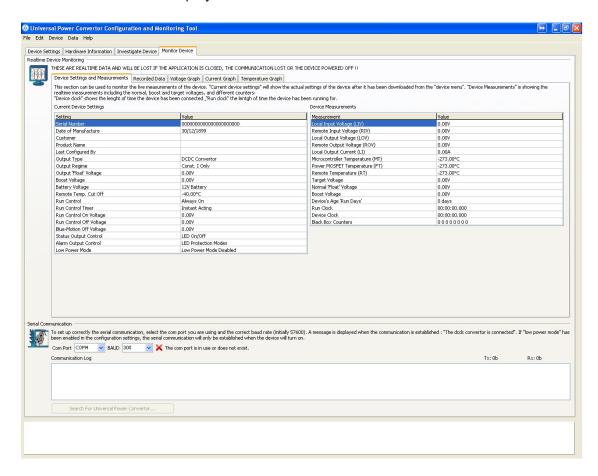
The Ablemail Universal Power Converter has tools to help you minimize the time and effort required to find and rectify these issues.

Real Time Monitor





The realtime monitor allows you to watch and record the key variables of the converter 5 times/second on any pc running the Ablemail PC Software Interface. You can view the files in real time or play them back at a later date then view the files at playback.





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Black Box Monitor



This is a feature to assist in chasing down those troublesome issues that occur throughout a vehicle's life. The converter stores the maximum and minimum of all the key variables and also keeps data snapshots at pertinant intervals in the last minute of the converter's operation.

