3.8 Programmable parameters

AC-L1 controller has a number of parameters that can be calibrated using SME PC Graphical User Interface (GUI).

These programmable parameters allow the vehicle functions and performances to be customized to fit the needs of different applications.

The programmable parameters are grouped into main categories (i.e. system, motor & control, traction / pump), and into additional subgroups, each with its own programming menu.

Most of AC-L1 default settings are fixed by SME software developers; even if user opt to leave most of the parameters at their default values, each parameter can be calibrated inside an allowable range.

User must perform the initial set-up procedures outlined in following section, to adjust some parameters which calibrate the specific system basic characteristics.

This way user is ensured that the controller is set up to be compatible with his application.

Do not drive the vehicle until initial set-up has been completed.

For more information about programmable parameters and calibration procedure refer to GUI own manuals.

SME SmartView GUI User Manual

3.9 Initial setup

As explained before, most of parameters are initially set to default values, but some settings need to be selected and set according to the system and wiring specification.

For traction systems with only one traction motor:
SME Traction Quick Start Guide

For traction systems with two traction motors:
SME Dual Traction Quick Start Guide

For systems with CANopen bus:
SME CO Network Quick Start Guide