Connect your hose and pole + brush to the pump.

Turn on the controller by pressing the up or down button.
Keep the button held until the display lights up.

Press up until the display shows 30.

↑   `30`

Press and hold the up and enter buttons to calibrate. CAL will be displayed.

↑ + ↵   `CAL`

To select Auto Cal continue to press the down button until AUt is displayed. Press the enter button to start. Auto Cal starts from C99.

↓ , ↵   `AUt`

After several moments the calculated CAL value (e.g. C50) will be displayed and the controller is ready to use. Press enter to exit calibration.

↵   `SEt`

The CAL value can be adjusted manually by following the same steps and adjusting the CAL value by pressing the up or down button instead of using AUt.

To enable or disable the low battery cut-off (that stops your pump when the battery voltage is below 10.5V) press and hold the down and enter buttons.

↓ + ↵   `bAt`

Then use the up or down button to select ON or OFF. Press enter to save.

↑ , ↓   `On` `OFF`   ↵ `SEt`

NOTE: 'ON' keeps your battery protected.

Press up or down to set a suitable flow of water.

↑ , ↓   `33`

Press enter to display the current battery voltage.

↵   `bAt` `12.4`

Press enter again to return to the current flow rate.

↵   `FLO`

To turn the controller off, press and hold enter.

↵

Message	Description
`Err`	An error has occured while using AutoCal. This will happen when the motor is not connected or the enter button has been pressed to cancel it.
`PS`	Pressure switch activated or pump disconnected.
`dE`	A dead end has been detected. If this is not the case, try increasing the calibration value.
`bAt`	This message will start to flash when the battery is low (<11.0V). If the battery is below 10.5V the pump will be disabled to protect the battery (unless low battery cutoff is disabled*).
`OC`	An over current has been detected, the controller has shut down the pump to protect itself. Lower the flow rate and check the hose for blockages.