MIS/MIL 17/23/34/43 - "Closed loop error"

From firmware 4.04 the **closed loop** algorithm has been improved for higher stability and more symmetrical behavior. Due to this change, a new calibration on the motor is required in order to have it running in **closed loop**. This quick guide explains how to firmware update and perform the calibration.

1

Update the motor to version **4.04** or newer.

2

Make sure '**Closed loop'** is enabled.

3

The **"Closed loop error"** appears.

4

Unmount any mechanical load from the shaft because the motor must be able to move freely.

5

Type **999** in the Command field and press 'Enter'

Then **383** and press 'Enter'

6

Wait ~60 seconds for the calibration to complete.

7

When the motor stands still, the Position 2 register holds the value 7 (click on the blue number to update).

After a power cycle or software reset, the motor is ready for closed loop.