

Product:	Velocity XS
Currawong part number:	CE2092
Bulletin issue date:	June 2023
Serial numbers range:	All serial numbers
Firmware Versions	< 3.03D

1 Introduction

Currawong Engineering has released a critical firmware update for the CE2092 Velocity XS motor controller. This update addresses a bug which has been identified in firmware versions 3.03B and earlier.

A firmware update has been issued, and customers using the CE2092 Velocity XS are strongly recommended to update the firmware for any existing units, to ensure operational reliability.

1.1 Problem Description

The identified bug in the previous firmware versions of Velocity XS could lead to an unintended latching of the CAN bus into the "off" mode. This behavior disrupts the communication between various components connected to the CAN bus, potentially affecting the overall functionality of the device.

A misconfiguration of the CAN peripheral on the device's microcontroller has led to this fault, and is addressed easily in firmware.

1.2 Proposed Fix

The latest firmware update for the Velocity XS (Version 3.03D) contains the necessary fixes to prevent the CAN bus from latching into the "off" mode. By installing this update, you will ensure seamless communication and uninterrupted operation of your Velocity XS devices.

1.2.1 Update Instructions

- Download 3.03D firmware from the [Velocity XS Firmware Page](#)
- Follow the [ESC Firmware Update Instructions](#) to program ESC with new firmware