

## Product Change Notification ID#0131

### Title of notification

New FirmWare – CrossFire SX.

### Level of Change

- Product Change Notice – Customer Information
- Product Change Notice – Customer Approval
- Product Change Notice – Customer Action
- Product End of Life – Required Customer Action
- Errata – Customer information

### Affected Products

#	Product Part Number	Product Name
1	C000137-20	Crossfire SX, CoDeSys
2	C000137-40	Crossfire SX, CANopen slave
3	T5R0295	CrossFire SX, Customer branded

**Product Attribute Affected**

- |   |  |
|---|--|
| <input type="checkbox"/> Material Change            | <input type="checkbox"/> Process Change          |
| <input type="checkbox"/> Design Change              | <input type="checkbox"/> Data Sheet Change       |
| <input checked="" type="checkbox"/> Software Change | <input type="checkbox"/> Packing/Shipping Change |
| <input type="checkbox"/> Other: -                   |  |

**Impact of change**

- |  |   |
|--|---|
| <input type="checkbox"/> Form                | <input checked="" type="checkbox"/> No change in form |
| <input type="checkbox"/> Fit                 | <input checked="" type="checkbox"/> No change in fit  |
| <input checked="" type="checkbox"/> Function | <input type="checkbox"/> No Change in function        |

If applicable, see description below.

**Reason for Change - Information**

New FirmWare (Release 8) including:

Improvements:

- Added support for pulse counter mode
- Added support for high resolution frequency measurement mode
- Support for up to 2KHz regular PWM instead of up to 400Hz
- Possible to switch off storage of TPDO1-4 and RPDO1-4 COB-ID through OD 0x2032.
- Digital feedback in 0x6000 is only updated for digital outputs to avoid unnecessary CAN traffic. Digital feedback for ports in all modes available through OD 0x2035.
- Some clarifications in EDS and device description file

Bug fixes:

- Fixes for debugging with three CAN buses active at the same time
- Decreased speed for SPI between TMS570 and companion chip as it was slightly above spec

**Release 8:**

Boot 1.0.0.0

CANopen slave 1.5.26.0

Current Control 1.2.0.0

CODESYS runtime 1.4.1.0

More details can be found in the release notes and the updated documentation.

## Recommendation

Download new firmware from CrossControl Support site and test your application.

Instruction and new Firmware can be downloaded from Support site :

<https://support.crosscontrol.com/downloads/crossfiresx>

## Information and dates

Estimated date for first deliveries: November 2020

## Contacts

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