



## Product Change Notification

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August 30, 2013

Dear Valued TRINAMIC Customer,

this is to inform you that a new firmware version has officially been released for the module

### **TMCM-1640**

The module will be delivered together with this new release. Modules already shipped can be updated to this new release using the firmware update feature of the TMCL-IDE via serial or USB interface. The new firmware and updated documentation will be available for download from the Trinamic website. Prior releases are still available on request. If you have any questions, please contact your sales partner.

Firmware changes:

- bug during ADC offset calibration on power on has been fixed
- bug during encoder initialisation in encoder-init-mode 1 with inverted hall sensor signals has been fixed
- axis parameter 238 removed (mass inertia const)
- axis parameter 239 removed (BEMF const)
- axis parameter 240 removed (motor coil resistance)  
(Parameter 238, 239, and 240 were removed because they were not used in the firmware versions from v2.00 to v2.05.)

This change is classified as a major change.

## Products Affected

Article Name	Affected Article Numbers
TMCM-1640	11-0025

## Timing

Effective date for firmware release	August 30, 2013
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