

Dear Valued Trinamic Customer,

This is to inform you that a new TMCL firmware version (V1.12) has been released for the modules listed in the table below.

New batches of the modules will be delivered preprogrammed with this new firmware release. Modules already shipped can be updated to this new release of the firmware using the provided firmware update feature of the TMCL-IDE. Prior releases are still available on the corresponding product pages on [www.trinamic.com](http://www.trinamic.com).

## Changes:

TMCM-1110 StepRocker  
(TMCL Firmware V1.11 => V1.12)

- RORA command fixed.

TMCM-1111 StepRocker, TMCM-1316 StepRocker, TMCM-3312-TMCL, TMCM-3314-TMCL,  
TMCM-3351-TMCL (TMCL Firmware V1.11 => V1.12)

- New axis parameters #150 and #151.
- New reference search methods 9 and 10.
- Global parameter #87 implemented.
- RORA command fixed.
- MVP REL command in closed loop mode fixed.
- Activating closed loop mode when it is already activated does not cause problems anymore.

TMCM-1211 StepRocker, TMCM-3212-TMCL, TMCM-3214-TMCL, TMCM-3230-TMCL,  
TMCM-6210-TMCL, TMCM-6212-TMCL  
(TMCL Firmware V1.11 => V1.12)

- Problem with velocity dependent StallGuard switching fixed.
- New reference search methods 9 and 10.
- Global parameter #87 implemented.
- RORA command fixed.
- Axis parameter #201: bit 10 now always zero.

This change is classified as a minor change.

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Firmware\_TMCL\_V112**

**June 02, 2021**

## Products Affected

Article Name	Article Number
TMCM-1110 StepRocker	10-0374
TMCM-1111 StepRocker	10-0305
TMCM-1316 StepRocker	10-0348
TMCM-3312-TMCL	10-0287
TMCM-3314-TMCL	10-0311
TMCM-3351-TMCL	10-0306
TMCM-1211 StepRocker	10-0336
TMCM-3212-TMCL	10-0264
TMCM-3214-TMCL	10-0296
TMCM-3230-TMCL	10-0307
TMCM-6210-TMCL	10-0262
TMCM-6212-TMCL	10-0290

## Timing

Effective date for firmware release	June 02, 2021
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