

Dear Valued TRINAMIC Customer,

this is to inform you that a new firmware version has been released for the modules listed in the table below.

New batches of the modules will be delivered together with this new release V1.42. Modules already shipped can be updated to this new release using the provided firmware update feature of the TMCL-IDE. Prior releases are still available on corresponding product pages on [www.trinamic.com](http://www.trinamic.com).

**Changes:**

TMCM-1021, PD28-x-1021-TMCL (V1.35 -> V1.42):

- New global parameter 90 to reverse direction of rotation (motor and encoder).
- Increased reference search polling for more accurate reference search.
- Documentation update.

TMCM-1140 / 1141 / 1160 / 1161 corresponding PANdrives (V1.35 -> V1.42):

- Automatic recalculation of internal ramp parameters also after axis parameter 153 and 154.
- Increased reference search polling for more accurate reference search.
- Module will be re-initialized when there was no motor supply voltage on startup.
- New axis parameter 150 end switch power down mode.

This change is classified as a minor change.



## Product Change Notification

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[www.trinamic.com](http://www.trinamic.com)

### Products Affected

Article Name	Affected Article Numbers
TMCM-1021	10-0242
PD28-1-1021-TMCL	30-0241
PD28-3-1021-TMCL	30-0242
TMCM-1140	10-0272
PD42-1-1140-TMCL	30-0259
PD42-2-1140-TMCL	30-0260
PD42-3-1140-TMCL	30-0261
PD42-4-1140-TMCL	30-0262
TMCM-1141	10-0274
PD42-1-1141	30-0267
PD42-2-1141	30-0268
PD42-3-1141	30-0269
TMCM-1160	10-0276
PD57-1-1160-TMCL	30-0271
PD57-2-1160-TMCL	30-0272
PD60-3-1160-TMCL	30-0273
PD60-4-1160-TMCL	30-0274
TMCM-1161	10-0185
PD57-1-1161	30-0174
PD57-2-1161	30-0175
PD57-3-1161	30-0155
PD57-4-1161	30-0176
PD60-1-1161	30-0154
PD60-2-1161	30-0177
PD60-3-1161	30-0178
PD60-4-1161	30-0179

### Timing

Effective date for firmware release	July 31, 2017
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