MovingCa ETH Update Instructions

MovingCap-ETH-Update-Instructions-EN.md
oliver.heggelbacher@fullmo.de / 2026-06-10
movingcap.de

System Requirements

- Windows PC with an RJ45 Ethernet port, using a USB-to-Ethernet adapter if necessary.
  (Optional: You can also use a Wi-Fi gateway / access point to connect the MovingCap's wired Ethernet port to your computer.)
- Windows software Kickdrive Zero or fullmo Kickdrive (**version 3.5 or higher**).
- The MC_....._Update.kicktpl project file matching your MovingCap drive:

Drive Variant	Update Project File (.kicktpl)
MovingCap turnTRACK 349 (MC349) • RE (rotor position sensor, single turn) • AE (Absolute encoder, multiturn)	MC349_xxxx_ETH_RE_Update.kicktpl MC349_xxxx_ETH_AE_Update.kicktpl
MovingCap turnTRACK MCN23 (Stepper, AE multiturn only)	MCN23_xxxx_ETH_AE_Update.kicktpl
MovingCap turnTRACK MC6xx	MC6xx_xxxx_ETH_Update.kicktpl
MovingCap pushTRACK	MC6xx_xxxx_ETH_Update.kicktpl
MovingCap flatTRACK (MCFLAT)	MCFLAT_xxxx_ETH_RABBIT_Update.kicktpl
MovingCap FATtrack (MCFLAT)	MCFLAT_xxxx_ETH_RABBIT_Update.kicktpl
MovingCap shortTRACK (MCSHORT)	MCSHORT_xxxx_ETH_SRABBIT_Update.kicktpl
MovingCap maxTRACK	*Uses the respective compact drive update project matching its motor (MC349, MC6xx, or MCN23)*

WARNING: Back up your application parameters in advance! Depending on the previously installed firmware version, the firmware update in most cases triggers a reset to factory settings (**Factory Reset**). If necessary, contact our support team to clarify whether an update without parameter reset is possible for your specific version, or back up your current configuration in advance using Kickdrive.

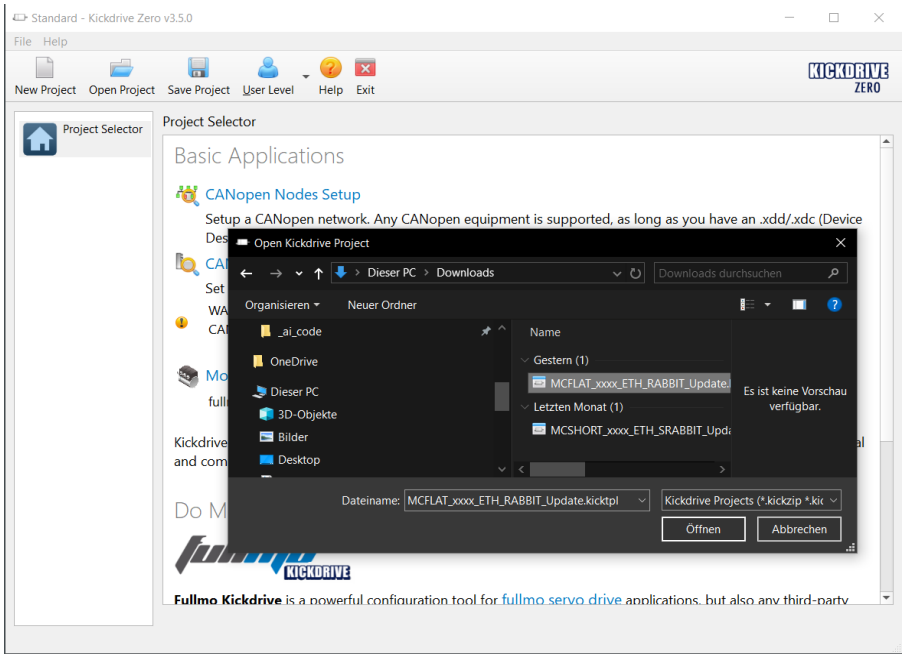
WARNING: The project files in the Init-Projects subfolder are only for use after specific instructions from the MovingCap support teams. They are not required for standard update and maintenance procedures.

Step-by-Step Instructions

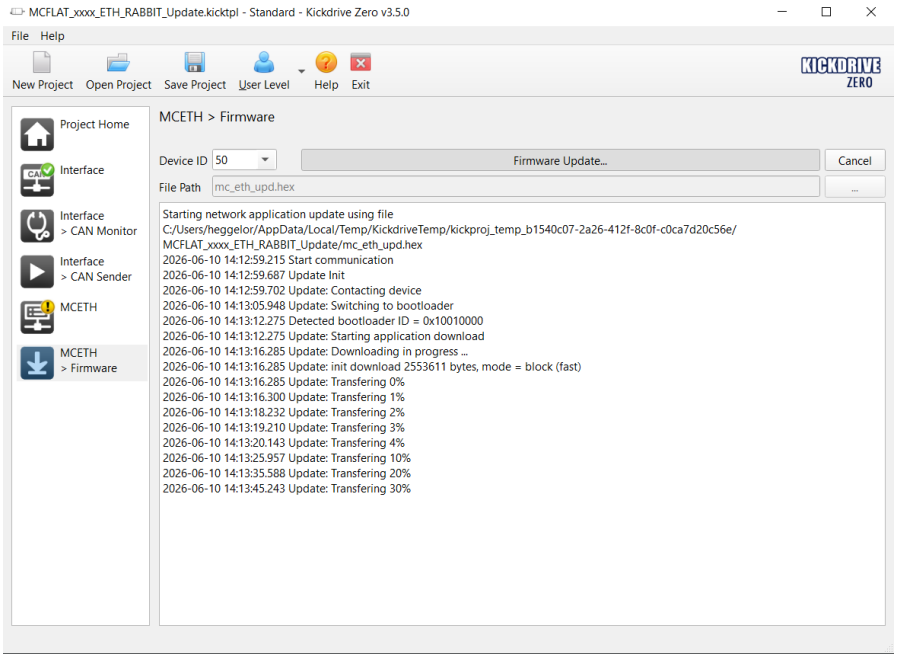
1. **Configure your PC's IP address:**
   Configure a static IPv4 address on your network adapter in the same subnet as the MovingCap. For example,

set your computer's IP address to **192.168.2.10** (the default IP address for a MovingCap Ethernet drive is **192.168.2.150**).

2. **Open the update project:**
   Download the matching update project (e.g., `MC349_xxxx_ETH_RE_Update.kicktpl` or `MCFLAT_xxxx_ETH_RABBIT_Update.kicktpl`) and open it in Kickdrive Zero or fullmo Kickdrive.



3. **Run the firmware update:**
   Follow the instructions shown on the **Project Home** tile in Kickdrive:
   - If necessary, customize the target IP address in the **Interface** tile to match the IP address of your MovingCap drive.
   - Start the update process via the **MCEth > Firmware** tile.



4. **Power-cycle the drive:**
   Once the update is complete, perform a power cycle (switch the supply voltage off, wait a few seconds, and

switch it back on). Until this power cycle is performed, the drive will report status **ERROR FFF5h**: *"power cycling needed"*.

