MAHLE

X35 System: SmartBike Updating Process

At MAHLE SmartBike Systems we continually update all our products throughout their lifespan, optimising their performance with constant updates to their firmware. This process requires a special device called MAHLE GCU to be updated correctly.

Latest firmware version available:
V Q3.2 Released 19 Sept 2022 which replace the latest X35 iMx Q3.1 released in August 2022 and all the previous versions.

Release notes:
· Auto update to FW 1.70 of the GCU
· HMI upgrade to 126 / 128
· Update FW BLE to latest version
· Engine map update
· BMS upgrade to 4.11
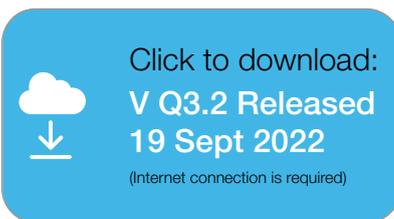
Process & firmware available at:
https://mahle-smartbikes.com/
https://my-smartbike.com/

Needs

GCU Dongle

SmartBike Charger

USB stick (Empty, FAT32 & under 32 GB)

(!) The USB drive must only contain these files.

Instructions

Click to download:
V Q3.2 Released 19 Sept 2022
(Internet connection is required)

1. Download the file, unzip the downloaded ZIP file. Next, copy the unzipped files to the root of the USB stick.
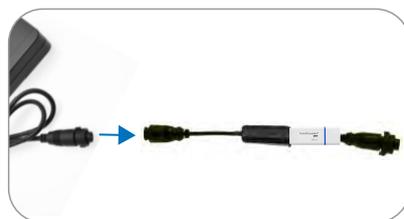
2. Connect the USB stick to a GCU (the GCU must be turned off, disconnected from the charger and the bike).

3. Turn off the bike if you have not already done so. Next switch on the bike.

4. Plug in the charger.

5. Connect the GCU with USB stick to the charger.

6. Connect the other end of the GCU to the bike's charging port.

7. Wait until updates are completed by monitoring the GCU status light:

A. Steady or intermittent yellow: Updating, please wait.
B. Intermittent purple: Auto-updating, please wait.
C. Steady green: Successfully completed.
D. Steady red*: Update failed entirely.
E. Alternating green and red*: One task has failed and one has been successful.
F. Steady white: Update package has been ignored.

8. Unplug the charger from mains power, remove the GCU from the bike and disconnect the USB stick.

9. Turn off the bike.

*In cases D and E, you will need to disconnect in order to repeat the process. Disconnect the GCU from the bike and the charger, turn off the bike and repeat steps 4-11.
If the update process is still unsuccessful, send the GCU_log.txt file located on the USB stick by email to MAHLE Smartbike Systems (HERE) to analyse the problem.

V1.0.1