Copy files to root directory of microSD card (filesystem FAT32), insert into On-board computer (contacts on top) and run the update process.

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Do not downgrade firmware that was installed by the manufacturer! You may get a brick

Each device has its own firmware and is updated separately from different menus. The order in which the firmware is updated does not matter.

- 1. Description of the On-Board Computer update menu.
- 2. Description of the Controller update menu.
- 3. Description of the uLight update menu.

To check the current firmware version, go to the **Device Information** menu, each device has a separate menu.

- 1. Information about the firmware version of the On-Board Computer.
- 2. Information about the firmware version of the Controller.
- 3. Information about the firmware version of the uLight.

The list of actual firmware to be downloaded:

Controller	Release notes
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v0.59B Fixed OV throttle issue. Fixed OV throttle issue. Fixed charge statistics reset. Added kmh/mph switch. Added more parameters to info. lines on main screen. Added hotkey mode for compatibility with controller speed functions. Fixed contrast setting. Added driving range, calculated from WH usage. A lot of tiny fixes.	v0.7.12 1 Torque PAS fixes Fixed configuration import for	18 March 2020 HOTFIX for display speed sensor
	advanced modes Added configuration selector from 1 to 9 Import will show first line of configuration, you can put a comment here Fixed N mode Fixed motor wiggle at charger mode Added more debug information	11 March 2020
	v0.7.9 1	21 Nov 2019 HOTFIX, fixed NaN error for analog inputs.

v0.57B CAN buttons setup Inverted inputs setup Statistics reworked Added filters for analog inputs	v0.7.8 Big menu update Control logic completely reworked for future compatibility with BMS New default values for PIDs DC-DC low voltage difference charge fixed Inverted brake input added Specific setup for 3 positional speed switch added (can work now as 1-2-3) Button/switch select for usual speed select input Save CRC calculation fixed New speed mode - neutral Speed increment and decrement added Added t-sensor NTC 10k B:3380 Reboot command added Fixed field weakening over 126% Fixed VBUS measuring, now it is at PWM frequency, significantly improved overvoltage protection Added median VBUS filter Added averaging of N-X ADC samples filter for throttle and brake Fixed brake glitches Current measuring fixes for better measuring on 6F board When enable button configured controller will not turn-on anymore when power applied Autodetect improved, more informative, short-circuit detect added and timeout fixed Added lock-at-turn-on, will lock throttle untill password on-screen is entered Voltage on phases detect added, will lock controls UVLO added Added "Advanced modes" menu with more specific options per mode Personal throttle protection lock for	20 Nov 2019 Export configuration (or make screenshots), after controller update do "Erase data storage" and reboot. Configuration will not be imported fully, some values will need to enter manually.
	UVLO added Added "Advanced modes" menu with	

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Last update: 2021/09/14 17:30