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

1/4



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:

Release notes	play Controller
---------------	-----------------

v0.59B Fixed 0V throttle issue. Fixed 0V 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 Torque PAS fixes Fixed configuration import for advanced modes Added configuration selector from 1 to 9 Import will show first line of configuration, you can put a comment	18 March 2020 HOTFIX for display speed sensor 11 March 2020
	here Fixed N mode Fixed motor wiggle at charger mode Added more debug information	21 Nov 2019
	v0.7.9 土	HOTFIX, fixed NaN error 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%	
▲ (I)	Fixed VBUS measuring, now it is at	20 Nov 2019
v0.57B 📥	PWM frequency, significantly improved	Export configuration (or make
CAN buttons setup	overvoltage protection	screenshots), after controller
Inverted inputs setup	Added median VBUS filter	update do "Erase data storage" and
Statistics reworked	Added averaging of N-X ADC samples	reboot. Configuration will not be
Added filters for analog	filter for throttle and brake	imported fully, some values will
inputs	Fixed brake glitches	need to enter manually.
	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	
	CAN source or local	
	Motor temperature limit for charger	
	(DC-DC)	

From: https://docs.nucular.tech/ - **Nucular Electronics**

Permanent link: https://docs.nucular.tech/doku.php?id=en:firmware&rev=1631633442

Last update: 2021/09/14 17:30