

Copy files to root directory of microSD card (filesystem FAT32), insert into display (contacts on top) and run update process.







Do not downgrade firmware that was installed from factory! You may get a brick



To check current version open “Device information” menu.

Every device have own firmware! Display updated in display menu, controller updates through controller menu.

Display	Controller	Release notes
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31 August 2020
Use configuration export before
update, reset defaults after update
and import configuration.

v0.59B 		18 March 2020 HOTFIX for display speed sensor
v0.58B  Fixed 0V throttle issue. Fixed charge statistics reset. Added kmh/mpg 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 here Fixed N mode Fixed motor wiggle at charger mode Added more debug information	11 March 2020
	v0.7.9 	21 Nov 2019 HOTFIX, fixed NaN error for analog inputs.

<div data-bbox="113 792 443 1039"><div data-bbox="215 792 268 853"></div><div data-bbox="113 828 443 1039"><p>v0.57B</p><p>CAN buttons setup</p><p>Inverted inputs setup</p><p>Statistics reworked</p><p>Added filters for analog inputs</p></div></div>	<div data-bbox="443 120 986 1700"><div data-bbox="539 120 592 181"></div><div data-bbox="443 156 986 1700"><p>v0.7.8</p><p>Big menu update</p><p>Control logic completely reworked for future compatibility with BMS</p><p>New default values for PIDs</p><p>DC-DC low voltage difference charge fixed</p><p>Inverted brake input added</p><p>Specific setup for 3 positional speed switch added (can work now as 1-2-3)</p><p>Button/switch select for usual speed select input</p><p>Save CRC calculation fixed</p><p>New speed mode - neutral</p><p>Speed increment and decrement added</p><p>Added t-sensor NTC 10k B:3380</p><p>Reboot command added</p><p>Fixed field weakening over 126%</p><p>Fixed VBUS measuring, now it is at PWM frequency, significantly improved overvoltage protection</p><p>Added median VBUS filter</p><p>Added averaging of N-X ADC samples</p><p>filter for throttle and brake</p><p>Fixed brake glitches</p><p>Current measuring fixes for better measuring on 6F board</p><p>When enable button configured controller will not turn-on anymore when power applied</p><p>Autodetect improved, more informative, short-circuit detect added and timeout fixed</p><p>Added lock-at-turn-on, will lock throttle untill password on-screen is entered</p><p>Voltage on phases detect added, will lock controls</p><p>UVLO added</p><p>Added "Advanced modes" menu with more specific options per mode</p><p>Personal throttle protection lock for CAN source or local</p><p>Motor temperature limit for charger (DC-DC)</p></div></div>	<div data-bbox="986 792 1473 1039"><p>20 Nov 2019</p><p>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.</p></div>
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Last update: **2020/10/09 11:05**