Configuration files

Download file, copy it to microSD card (FAT/FAT32 filesystem), insert into display and go to Controller - Updates and settings - Import.
Don't change filename, or controller will not find it. If it was renamed by system (multiple files with same name) you need to fix filename.
Standard names for controller configurations: ncconf.cfg, ncconf2.cfg, ..., ncconf9.cfg

Small geared motors

Includes PID regulators preset for small geared motors.
Import configuration 6

Sur-Ron Light Bee, 3 speed mode, configuration

Standard Sur-Ron configuration.
Default 16S battery (110A peak, 90A nominal), 500A phase, 48T wheel sprocket.
Import configuration 3 for P24F
Import configuration 2 for older controllers

Sur-Ron batteries specs:
32Ah ncr18650pf 110A max (11P)
34Ah ncr18650pf 110A max (11P)
38Ah Samsung 35e 88A max (11P)
40Ah NCR21700A 120A max (8P)

Talaria Sting MX3, 3 speed mode, 8kW configuration

Talaria MX3 configuration.
Default 38.4Ah 16S battery, 500A phase, 13-44T sprockets.
Import configuration 5

MX3 battery specs:
Greenway. LG 21700 Li-Ion. 60V 38.4AH (2280 Wh). 135A

Talaria Sting MX4, 3 speed mode, 11kW configuration

Talaria MX4 configuration.
Default 43.5Ah 16S battery, 500A phase, 13-44T sprockets.
You can setup up to 220A battery current at your own risk, this may damage battery!
Import configuration 7

Extract and import for SCUD battery (130A continious)

MX4 battery specs:
Greenway. LG 21700 Li-Ion. 60V 45Ah (2700 Wh). 180A
SCUD. LG 21700 Li-Ion 60V 45Ah (2700 Wh). 135A
N.B. some users reports that MX4 battery have about 2200wh usable

Talaria Sting MX4, 30kW configuration

Talaria MX4 with Sotion fw02 motor
400a battery
320a field weakening
50a boost for 9 sec
80v 45ah zemso battery
Molicel p45 cells 500a bms
Download and unzip

Talaria XXX, 3 speed mode, 6.6kW configuration

Talaria configuration.
Default 16S battery 110A, 400A phase, 14-48T sprockets.
Import configuration 8

Apollo RFN, 3 speed mode, 12kW configuration

Apollo RFN configuration.
Default 20S battery 200A, 500A phase, 12-58T sprockets.
Import configuration 4

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

Permanent link:
https://docs.nucular.tech/doku.php?id=en:controller:config-files&rev=1766829654

Last update: **2025/12/27 11:00**