SNAPnGO LCD Set Up Instruction

This instruction is for SNAPnGO model 315 only. User can use this instruction to modify the top speed for each gear and increase/decrease the torque level of the 1st gear and reverse gear from the factory default as well as other default set ups.

Please be aware that increasing top speed can significantly increase the risk of accidents. User should be very cautious in choosing their own top speed and practicing acceleration, turning, stopping, going up ramp, going down ramp and other scooter operations. By changing top speed, user is responsible for accidents as a result of increased speed and torque.

The LCD Display is made up of 2 major components: 1. LCD screen 2 Control Buttons.

The Control Buttons has 3 buttons, Up Arrow or Gear Up (UP), Switch On/Off (SW) and Down Arrow or Gear Down (DOWN).

The SETTING mode has 3 different tiers: **Normal Setting, P value and C value**. Below is a complete instruction of settings for each mode. (Modifying top speed is in Normal Setting and modifying gear 1/reverse gear torque is in C value setting.) **Remember: short press of SW will toggle between values, Up or Down will change values, long press of SW will get out of the mode and long press Up and Down at the same time will change mode.** If there is no operation within 1 minute of getting into SETTING mode, the LCD will automatically leaving SETTING mode and resume OPERATING mode.

Increase the top speed

1. Press SW to turn on the scooter
2. Within 5 seconds, press and hold Up and Down at the same time for 2 seconds. This will allow user to get into the NORMAL SETTING mode. The speed column on Display will be flashing. The default value is 10kmh. This is the top speed of Gear 3. By increasing top speed of Gear 3, you would also increase the top speed of Gear 2 and Gear 1 as lower gears speed are proportionate to top gear speed
3. Short press Up or Down to modify the speed. The highest speed SNAPnGO motor can go is 17 kmh. So increasing the number above 17 would only provide a speed of 17 kmh at maximum.
4. After modifying the top speed, you can either press and HOLD the SW to get out of SETTING mode and back into OPERATING mode or you can short press the SW to toggle to the next setting – motor wheel size.

Motor wheel size is set at 8 inch. This will **NEVER** change for SNAPnGO. Short press SW to toggle to **km Vs mile** settings. This setting will see speed and distance value flashing. The factory default is miles. Use Up or Down arrow to change it. Switching to KM will also have the temperature measurements set to Centigrade from Fahrenheit.

After modifying the km/mile setting, short press SW once to complete the NORMAL SETTING. The speed and distance flashing should stop. If user needs to get back to the OPERATING mode at this time, simply long press SW. **If user needs to get into P mode in the SETTING, press and hold the Up and Down at the same time. P1 will start to flash at the bottom of the screen.**

P Mode Values:

All the P mode values are pre-determined by factory and should NEVER be changed by user. In case user inadvertently modified factory default value, below chart provides a reference for user to reset to the factory default value. User needs to toggle through P value by short pressing SW. Please do not press Up or Down while going through P mode.

Setting	Description	Factory Default
P 1	Number of motor magnet steel	30
P 2	Rotation pulse	0
P 3	Power Assist Mode	0
P 4	Acceleration Start Mode	0
P 5	Battery level monitoring	12

C Mode Values

In order to get into C mode value settings, user must toggle through P mode by short pressing SW. At the end of P5 setting, short press SW so that P5 value is no longer flashing.

Then long press Up and Down at the same time to get into C mode. C1 will start flashing at the bottom of the screen. Most of the values in C mode are pre-determined by factory and should NEVER be changed. Below chart provides a factory default in case some values are inadvertently modified by user.

Setting	Description	Factory Default Value
C1	Power Assist Sensor Mode (Do not change)	02 /10
C2	Motor Sensor Type (Do not change)	0
C3	Gear Level Default (When turning on scooter, which gear is the default)	1 (Strongly recommend as gear 2 or 3 is fast and could cause accidents if not used appropriately)
C4	Acceleration Setting (See details below)	4/33
C5	Controller Maximum Electric Current Level (Do not change)	00
C6	Display Brightness Setting (1-5)	3
C7	Cruise Control Setting (Disabled)	0
C8	Motor Temperature Monitoring (Disabled)	0
C9	Password Locking Control (See details below)	0
C10	Master Reset (Do not change)	n
C11	Display Protocol (Do not change)	0
C12	Controller Minimum Voltage (Do not change)	4
C13	Electric Braking Strength Level (1-5 See below)	5
C14	Power Assist Micro Configuration (Do not change)	2

Remember, long press SW to get out of setting at any time.

Modify Gear 1 and Reverse Gear Speed and Torque

Factory default for Gear 1 is 33% of Gear 3 top speed and torque. Reverse gear has a torque that matches Gear 1 torque. The 33% value could be modified. As a result, the Gear 1 speed and torque, which is also the reverse gear torque could be modified. To modify this % value, you need to follow the setting instruction described below and modify the **C4 factory default settings.**

From P mode, long press Up and Down at the same time to get into C mode. Short press SW to toggle through C1-C3 and reach C4.

C4 has a default value of 4. Do not change that or it will render the scooter dysfunctional. Short press SW to toggle over and the cell right above 4 will start to flash. The default value is 33. It means that Gear 1 will have 33% of the scooter top speed and power. Use Up or Down to modify this value. We strongly recommend not to exceed 55 as high value

defeats the purpose of multiple gear settings. If you prefer to start at a high gear, you can modify the setting in C3. Modifying the C4 value will also impact the power/torque supplied to the reverse gear. However, speed of reverse gear is fixed.

Please be aware that increasing gear speed can significantly increase the risk of accidents. User should be very cautious in choosing their own top speed and practicing acceleration, turning, stopping, going up ramp, going down ramp and other scooter operations. By changing top speed, user is responsible for accidents as a result of increased speed and torque.

Password Locking Function

C9 would allow user to set up a password to lock the scooter electronically without using a key. Factory default disabled this function but user can change it as a personal preference. Please remember, if the password is forgotten, then user needs to contact dealer or manufacturer to do a reset because it requires a master LCD display. Once you enable the Password Locking, you need to enter the 3 digit password every time you power on the scooter.

To enable the password, toggle to C9 and use Up button to change value to 1. The the cell above will start flash with a default value of 555. Use Up or Down to change each digit to your preferred password and use SW to toggle. When complete, long press the SW to get out of the setting mode.

Turn off the scooter and power the scooter on again. The LCD screen will have a 555 next to the Gear number. Use Up or Down to enter your passcode and use SW to toggle. Once you toggle through the correct passcode, the scooter will work. Otherwise, the scooter motor will not start.

Electric Braking Strength Level

The electric braking is actuated by default when accelerator or reverse control is released. To provide maximum safety, currently it's set to provide the maximum breaking strength. Some user may want to soften the braking experience. **Please be aware that modifying electric braking strength can significantly increase the risk of accidents. User should be very cautious in choosing their own electric braking strength and practicing acceleration, turning, stopping, going up ramp, going down ramp and other scooter operations. By modifying electric braking strength, user is responsible for accidents as a result of the modification.**

C13 would allow user to modify the electric braking strength. Toggle to C13 and use Up or Down to change values. 5 being the strongest braking and 1 being the lowest. After modification, long press SW to get out of setting mode.

Other Indicators On Display

The following explains the meaning of other indicators on display. When the scooter is turned on and in operating mode, short press SW to toggle through various values:

TM	Single Trip Time Meter
TTM	Cumulative Trip Time Meter
MXS	Single Trip Maximum Speed
AVS	Single Trip Average Speed
DST	Single Trip Range
ODO	Cumulative Trip Range
VOL	Battery Voltage (42 being the maximum or fully charged, 33 being the lowest or empty)

To reset the single trip data (time and range), turn on the scooter. **AFTER** 5 seconds, press and hold Up and Down at the same time. TM and DST will be flashing. Short press SW to reset them to 0. Then long press SW to turn off the scooter.