

S886 Controller for Zipper Electric Scooter H08

Basic Operation.

The top power button has several functions depending on how long its held down.

In electric drive mode, (the default state)

A long press will turn it on/off,

A short press will rotate travel info: Odo: the total distance travelled. (Odometer).
 Trip: the single journey travelled.
 Vol: the voltage left in the battery
 TM: the time taken per journey.
 ERR: will appear when a fault occurs.

The Bottom information button in this mode will rotate the power settings only.

0 : OFF
1 : 5 MPH
2 : 10 MPH
3 : 15 MPH

Program Mode.

To select Program Mode, long press both buttons until screen changes. (use two fingers).

Short pressing the power button in this mode will rotate the 1 – 20 programs.

Long pressing the power button in this mode will switch between in increment Ascend or Descend value on screen.

NOTE: This mode will default back to electric drive mode after 8 seconds. Care needed.

NOTE: This is the time to short press the top power button, rotate the 20 programs and **MAKE A NOTE** of the default settings as there is **NO** reset button!

Program codes

- P01: Screen backlight brightness: 1: Darkest; 3: Brightest.
- P02: Unit of measurement: 0: Kilometres; 1: Miles.
- P03 Voltage Class: 24v/36v/48v. Default is 36v.
- P04 Hibernate time: 1- 60 mins, 1 min intervals. Timed to switch off if left on.
- P05 Power Gear: 0 – 3. Leave at 0 as no gears on Zipper.
- P06 Wheel Diameter: Unit is in Inches; 0.1 precision. Zipper Dia: 12.0 inches.
- P07: Magnet steel number for speed accuracy. Range 1 – 100. Adjust to correct speed displayed to actual speed. (Mine set to 40).
- P08: Speed Limiter. Range 0 – 100 kph. Set at 35kph. 100 indicates no speed limit. When changing this value it is advised to do it in the Metric mode, i.e. in km. Here's Why.
When the unit of measurement is switched to the imperial one, the speed value displayed on the display will be automatically switched to the corresponding imperial unit, however the speed limit value in the imperial unit **WON'T** change accordingly.
- P09 to P15 are only valid in comms state, i.e. connected to a PC.
- P09: ZERO on display and 0 in settings is for a direct start. (Electric only).
NON on display and 1 in settings is for a kick start. (Assisted power).
- P10: Drive Mode Setting: 0: Power Assist Drive only. Geared.
1: Electric Drive only. Non Geared. Zipper is electric.
2: Combined Power and Assist Drive.
- P11: Boost sensitivity: Range 1 - 24. Said to increase uphill performance.
- P12: Assist power intensity: Range 1 - 5. Said to increase pull away torque.
- P13: Power Magnet Steel Number: 5/8/12 pieces. Zipper has 12.
- P14: Current limit Value: Range: 1-20 Amps. Default to 12 Amps.
An Increase will enhance speed but at the cost of draining battery faster.
- P15: Controller under voltage value. Range 26v-36v. Set at 32v.
This stops the battery from running too low and being unable to charge.
- P16: Odometer zero out. A long 5 Second press of the top Power button will reset the Odometer.
- 17: Cruise options: Not available so set to 0. If option available, the range is between;
0: No Cruise.
1: Cruise Available.
2: Automatic Cruise.
- P18 Display speed proportional adjustment: Range 1% to 150%. Set at 100%.
This can be adjusted to reflect true speed.
- P19: Gear. 0: Not Geared.
1: Geared.
- P20: Not yet used, Intended for later use.

ERROR Codes

- E02 Brakes
- E03 PAS Sensor Failure (riding Mark)
- E04 6kph Cruise
- E05 Real Time Cruise
- E06 Low Battery
- E07 Motor Failure
- E08 Throttle Failure
- E09 Controller Failure
- E10 Comms receiving Failure
- E11 Comms sending Failure
- E12 BMS Comms Failure
- E13 Light Failure

Specifications

<u>Parameter</u>	<u>Description</u>
Material	Plastic
Battery Voltage	36.0v but will charge to 42.0v
Max Range	20-25km Enhanced settings may well half this.
Max speed	25kph
Net Weight	14Kgs.
Climbing Angle	7.2 Degrees. (Suggested maximum incline).
Screen	LED
Tyre size	Front 12" / Rear 12" Inflated to 2.8 Bar.
Brake Mode	Disc Brakes
Charger	ac110-240v/50-60Hz
Charging time	5 Hours. (Time decreases as battery degrades).
Motor Power	350 Watts
Battery	36v 4.0Ah Li battery.