

RooDog Electric Bicycle



# USER MANUAL

LCD Display



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# Getting Started & How to Use Your Pedal Assistance System (PAS)

Once your bike has been safety checked and is ready to ride the next step is to turn on the electric. To do this, ensure your battery is locked on to the bike. Switch the battery switch to the 'on' position. Press and hold the power button on the digital display on the handlebars. In doing this the display should light up. Once turned on the display will indicate battery life and it will automatically select the lowest level of pedal assist. This will be indicated by the mode number showing in the assist part of the display. At this point if you start to ride the bike the PAS will automatically kick in and assist you whilst pedalling.

(Tip: stay on the lowest level until you become confident enough to increase the power).

You can increase the level of assistance simply by pressing the '+' button and you will see the mode number increase. You can repeat this until you reach maximum assistance. (15.5mph) and to come back down the assistance levels simply press the '-' button.

**IMPORTANT:** Please be aware that the assistance is also sensitive to how fast you pedal and will only give you maximum assist when you are pedalling relatively fast. (This applies in most levels selected). To turn off the assistance so you are only using manual pedalling either press the power button or move down through the assist modes with the -button until the mode number reads '0'.

**Throttle:** On the right-hand side of the handlebars, you will find a half twist grip throttle. When the bike is turned on, the throttle is active and operates independently of pedalling, a bit like a moped (no requirement to pedal).

**Please note:** The red isolation button also needs to be in the depressed position and the PAS must be in at least level 1 for the throttle to be active. Slowly twist the half grip throttle and it will propel the bike. It is limited by law to 4mph. (Remember using the throttle will use more battery life up quicker).

**IMPORTANT:** Throttle is not designed for hill starts or to replace pedalling altogether. It is purely a support function to use when setting off.

**Turning the lights On/Off:** To turn the lights on/off, have the power turned on for the LCD display and simply hold down the + button for a few seconds. Repeat to turn off.

# Twist Grip Throttle



Isolation button to turn throttle on/off

Twist to operate

# LCD Display



Pedal Assist System (PAS) level

# LCD - Display Interface



### Multi-function display

ODO:	Total mileage
TRIP:	Single trip mileage
ERROR:	Error code
WATT:	Power
TI:	Start time
VOL:	Battery voltage

### LCD Display Error Codes

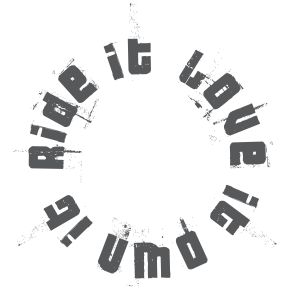
Error Code (decimal)	Indications
0	Normal
1	Reserved
2	Brake
3	PAS sensor failure
4	6km/h cruise
5	Real-time cruise
6	Low battery
7	Motor failure
8	Throttle failure
9	Controller failure
10	Communications receiving failure
11	Communications sending failure
12	BMS communications failure
13	Light failure

### To change the display information and trip data

- Enter programming mode – press and hold the plus '+' and minus '-' buttons
- Use the power button to change programming modes and plus '+' and minus '-' buttons to change setting

**Please note: Only modes P01, P02, P04, P06 and P016 are adjustable.**

- P01: Backlight Brightness (1: darkest; 3: brightest)
- P02: Mileage Unit (0: KM; 1: MILE)
- P03: Voltage Class (Pre-set to 36v)
- P04: Display Sleep Interval (1–60-minute options only)
- P05: PAS Gear (Not Applicable)
- P06: Wheel Diameter Unit: inch Precision: 0.1 (supports odometer mileage calculation – all RooDog bikes are either 20" or 26")
- P07: Magnet Steel Number (for Speed Test) Range: 1-100 (Pre-set, no changes needed)
- P08: Speed Limit Range: (Pre-set – UK Law)
- P09: Direct Start / Kick-to-Start (Not Applicable)
- P10: Drive Mode (Not Applicable)
- P11: PAS Sensitivity (Not Applicable)
- P12: PAS Starting Intensity (Not Applicable)
- P13: Power Magnet Steel Number 5 / 8 / 12pcs (Pre-set @12, no change needed)
- P14: Current Limit Value (Not Applicable)
- P15: Unspecified
- P16: Odometer Zero-Out: press and hold the up key for 5 seconds and ODO value will be erased.



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