



DISPLAY CONTROL SYSTEM USER GUIDE



01 | Display overview

FEATURE	SPECIFICATION
Power supply	36V, 48V or 52V DC
Screen	3.5-inch high-resolution colour LCD
Communication	UART or CAN
Operating temperature	-20°C to 60°C
Waterproof rating	IP67
Speed units	km/h or mph
Battery display	Voltage or percentage
Ride data	Trip, speed, odometer and ride time
Additional functions	Error codes, headlight and indicators

02 | Getting started

1. Ensure the battery switch is on. Hold the display power button for a couple of seconds.
2. When the screen lights up, tap the NFC card on the screen or enter the default password: 2026.
3. Use + and – to adjust values and press M to confirm a selection.

Handlebar control buttons



BUTTON	FUNCTION
+ / –	Select pedal-assist level (0–5); adjust menu values
M	Select an item; long-press to enter the menu
< / >	Left and right indicators
Horn	Sound the horn
Lamp	Switch headlight and taillight on/off
Power	Switch the display on/off

03 | Pedal assistance

Use + and – to select pedal-assist level 0–5. The level of motor assistance when pedaling is as follows:

ASSIST LEVEL	NOMINAL ASSISTANCE
0	0%
1	20%
2	40%
3	60%
4	80%
5	100%

04 | Menu and settings

From the home screen, press and hold M to enter the menu. Tap + or – to move through items and press M to select.

General settings

Adjust wheel size, speed unit, system voltage and automatic sleep time (the period of inactivity before the display switches off).

Advanced settings

The advanced-settings passcode is 0118. The original bicycle is sold as street-legal. Power, maximum speed and throttle restrictions cannot be changed through this menu.

A separate off-road display can allow adjustment of maximum speed, current up to 30 A and throttle speed. These features are for off-road use only. Do not use off-road settings on public roads or paths where they are not permitted. There can be serious safety and legal consequences.

05 | Additional functions

Walk assistance

With assistance set above level 0, press and hold – to activate walk assistance. Walking speed is 6 km/h.

USB-C charging

Use the USB-C connection on the display to charge a compatible device.

Ride modes

Press and hold + for 10 seconds to cycle through ECO (green), NOR (yellow) and PWR (red). There are subtle differences in acceleration, battery use and motor assistance. Power is governed to a greater extent through the standard pedal assist levels of 0 - 5.

Error alerts

If an electrical-system fault occurs, a red error code appears on the display. Refer to the troubleshooting section below.

06 | Error codes and troubleshooting

ERROR 21 | Abnormal current

1. Check motor phase wires for loose connections or damage.
2. Replace the controller if necessary.

ERROR 22 | Throttle fault

1. Check or replace the throttle.
2. Check or replace the controller.

ERROR 23 | Motor phase fault

1. Check motor phase wires and connections.
2. Replace the controller if necessary.
3. Replace the motor if necessary.

ERROR 24 | Motor Hall sensor fault

1. Check motor Hall sensor wires and connections.
2. Replace the controller if necessary.
3. Replace the motor if necessary.

ERROR 25 | Brake sensor fault

1. Check or replace the brake lever. A technician can unplug brake-sensor connections at the controller to isolate the fault; if the brake sensor is faulty, disconnecting it may clear the error.
2. Replace the controller if necessary.

ERROR 30 | Communication error

1. Check the communication cable and display-to-controller connections.
2. Replace the display if necessary.
3. Replace the controller if necessary.
4. Disconnect other electrical accessories, leaving only the display, controller and battery connected, to isolate the fault.