

TORP Full-Color Display

Manual



GETTING STARTED

What the Display Does



Display mounted

Overview

The TORP Display lets you track your controller and battery data in real time and switch between riding modes directly from the handlebar.

New functions are added regularly through firmware updates.

Controller firmware 1.4 or higher is required for the display to function.

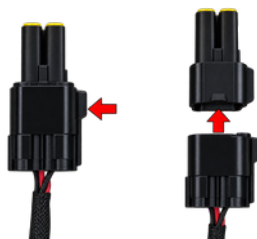
TALARIA NOTE: if the display shows ERROR: NO COMMUNICATION after installation, the CAN baud rate has to be set manually. See Troubleshooting at the end of this manual.

INSTALLATION

Mounting & Wiring

Connect the display directly to the controller wiring harness

How to install



1. Remove the protective cap from the connector: press firmly on its side and pull it out of the connector.
2. Plug the display connector into the display connector on the controller's wiring harness.
3. Mount the display and the button pod on the handlebar.
4. Turn the bike on.

SETUP

Enable the Display as Mode Button

One-time setup in the TORP Controller app

Before the display can switch riding modes, it has to be selected as the mode button in the app.

1. Open the TORP Controller app and connect to your controller.
2. Go to the Settings screen.
3. Tap PERIPHERALS at the bottom of the screen.
4. Find the MODE BUTTON option and choose TORP DISPLAY.

Good to know: With TORP DISPLAY selected you can also change modes by tapping the mode name on the app's Dashboard screen.

DISPLAY CONTROLS

Buttons

Everything the display does is driven by three controls

Control	Action	What it does
▲ / ▼ arrows	Press	Move through the screens of the display.
ON/OFF	Press	Change the sub-screen. On the Settings screen with an item selected: change its value.
ON/OFF	Hold	On the Settings screen: select the item you want to change.
M	Press	Change the riding mode (ECO / SPORT / DAILY).
M	Hold 3 s	Activate Stock Mode - the !!STOCK!! sign appears.
M	Hold 6 s	Deactivate Stock Mode.

SETTINGS SCREEN

Display Settings



How to change a setting

1. Use the +/- buttons to reach the Settings page.
2. Tap the ON/OFF button repeatedly until the item you want is highlighted.
3. Hold the ON/OFF button to change the value of that item.

The highlighted row is the active selection. Changes are applied immediately and kept after the bike is turned off.

SETTINGS SCREEN – SUBSECTION

Riding Modes

Mode button modes

By default the display offers 2 riding modes. To use 3 modes - ECO, SPORT and DAILY - hold the ON/OFF button until you reach the 2/2 page, then choose 3 by tapping the ON/OFF button.

DAILY is the third mode configured from the display. Its power, current and speed limits are set in the TORP Controller app under the DAILY tab.

Mode change button

If you prefer to change modes with the +/- buttons instead of the M button, tap the ON/OFF button until you reach MODE CHANGE, then hold the ON/OFF button. Once set, the M button changes the screen instead.

Mode change setting	Changes the mode	Changes the page
MODE BTN. (default)	M button	+ / – buttons
+ / – buttons	+ / – buttons	M button

SETTINGS SCREEN

Stock Mode

Ride your bike in the road-legal configuration



Activating Stock Mode

Stock Mode limits the bike to its road-legal configuration. This function is available with the TORP Display.

- **Activate** – Hold the M button on the display for 3 seconds, until the STOCK sign appears.
- **Deactivate** – Hold the M button for 6 seconds.

Stock Mode can also be exited from the TORP Controller app by tapping the STOCK label on the Dashboard screen, or with 5 quick brake-lever presses followed by a long hold on the 6th.

3 s to activate · 6 s to deactivate.

Power & RPM in Stock Mode are configured in the TORP Controller app under Settings → Additional Settings → Stock Mode, together with the Active at startup option.

SETTINGS SCREEN

Reverse

1. In the TORP Controller app, go to Settings → Peripherals → Reverse.
2. Select TORP DISPLAY.
3. Two sliders appear on the same screen — set the reverse phase current and the reverse maximum speed.
4. To reverse: hold the down (–) button on the display and twist the throttle.

⚠ **Reverse engages the motor. Keep both feet down, use the lowest workable phase current and always check behind you before reversing.**

TROUBLESHOOTING

Error: No Communication

SETTINGS	
TEMPERATURE	°C
SPEED	KMH
MODES	3
MODE CHANGE	MODE BTN.
ORIENTATION	STANDARD
UP/DOWN	STANDARD
COLOR THEME	RED
BRIGHTNESS	HIGH
BAUD RATE	250K

What causes it

If the display shows ERROR: NO COMMUNICATION with the BMS after it is connected, the CAN baud rate is wrong for your bike (setting on the bottom). Talaria bikes require 250K; other bikes (SurRon) use 500K.

How to fix it

1. Use the +/– buttons to reach the Settings page.
2. Tap the ON/OFF button until you reach BAUD RATE.
3. Hold the ON/OFF button to choose 250K (TALARIA) / 500K (SURRON).
4. Turn the bike off and on again.

Need help? Contact us through the support form at torpmotors.com/contact, or in the Contact section of the TORP website.