

TORP

QUICK START GUIDE

TALARIA MX5

TC500

2.X CONTROLLER

Everything you need to fit the controller correctly and set it up for the first ride.

COMPATIBLE PLATFORM

TALARIA MX5

READ BEFORE YOU START

1 USE THE SUPPLIED HARDWARE ONLY

Fit every terminal using the phase bolts with washers and hex key that came in the box. Damage caused by impact drivers or electric screwdrivers is not covered by warranty.

2 THE CIRCUIT BREAKER IS MANDATORY

Torp controllers must always run with a properly rated fuse or a circuit breaker. See section 02.

3 WARRANTY

Incorrect installation, miswiring, unauthorized modifications, or using an improperly rated fuse/circuit breaker may damage the controller and void the warranty.

IN THE BOX

TC500 controller* 1
Wiring harness* 1
Protective shield* 1
TORP thumb throttle* 1
External battery fuse kit* 1
Installation brackets* 1
Screws and tools needed for installation
Hex key* 2
Dielectric grease* 1

WATCH THE INSTALL VIDEO



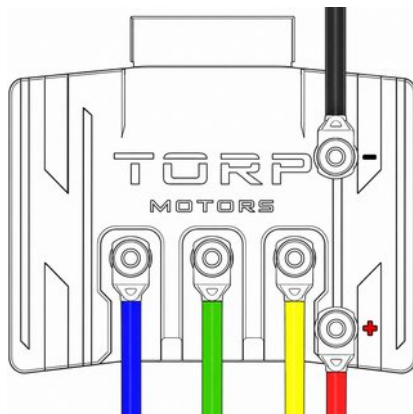
TALARIA MX5



First disconnect the battery. Then remove the stock Talaria controller and remove the stock cover to access the wiring.

01 INSTALLATION

Every terminal is coloured and lettered. Not connecting phase wires correctly can cause the bike to go in reverse.



TERMINAL MAP

B	Motor phase	Blue
G	Motor phase	Green
Y	Motor phase	Yellow
+	Battery positive	Red
-	Battery negative	Black

TORQUE FOR EVERY TERMINAL

4.0–4.5 N·m

Tighten/untighten terminals only with the **HEX KEY** supplied in the package.



Never use an impact driver.

01 GREASE THE MAIN CONNECTOR

Spread the supplied dielectric grease evenly across the controller's main connector. It keeps water and dirt out of the contacts.



02 CONNECT THE WIRING

Connect the TORP wiring harness to the TORP controller, then connect the 3 smaller connectors to the bike's wiring as they were connected to the stock controller. Press each connector in until you *hear* a click.



The **main connector** is the one most often left half-seated, and it is the most common cause of water ingress.

03 MOUNT THE BRACKETS, CONTROLLER AND REFIT THE CONTROLLER COVER

Fasten the controller brackets to both sides of the frame using the M6×10 bolts.
Place the controller on the brackets, facing forward, and secure it with the two M5×12 bolts.



Reinstall the Torp cover using the supplied hardware. Put the battery back in and connect it.



02 ALWAYS USE THE FUSE / CIRCUIT BREAKER

Torp controllers must always be operated with the **properly rated fuse/circuit breaker**. Running without it is dangerous and can cause damage. The Talaria MX5 does not come with a circuit breaker, it uses a fuse located inside the stock battery.

AFTERMARKET BATTERY INSTALLATION GUIDELINES

Since the Talaria MX5 does not come with a circuit breaker, but uses a fuse located inside the stock battery, **upgrading to an aftermarket battery therefore requires an external fuse**. The fuse and all the components needed to fit it are included in the package.

The provided fuse does not have to be installed if you are using the stock battery.

01 FIT THE BOLT THROUGH THE POSITIVE WIRE

After locating the red battery positive wire, insert the provided bolt through it and secure it on the other side using a provided nut. The torque that should be used is **5 N·m**.



02 SLIDE THE COVER OVER THE CONNECTION

Slide the provided plastic cover over the connection as shown in the picture.



03 FASTEN THE BOLTS WITH WASHERS

Use a larger hex key to fasten the bolts with washers. Make sure the flat side of the plastic cover is facing the controller. The torque that should be used is between **4.0 and 4.5 N·m**.



Full guidance: torpmotors.com/circuit-breaker

03 THUMB THROTTLE



Disconnect the original thumb throttle for all safety features to function properly. For regenerative braking, use the TORP thumb throttle included in the package.

To protect the stock throttle connector from external elements, use the plug provided in the package. 



01 REMOVE THE PROTECTIVE CAP

Remove the protective cap from the TORP wiring harness connector by pressing firmly on its side and pulling it out of the connector.

02 FIT THE THUMB THROTTLE

The thumb throttle is installed directly to the controller's wiring harness. The wiring loom has to have 5 connectors, if yours does not, a new generation wiring harness is available on the TORP webshop.

After the installation, open Peripherals in the TORP app and increase the amperes for the thumb regen.

04 SETUP WITH THE TORP APP

Pair the controller with the TORP app to select your motor, complete calibration and set your power maps.

01 DOWNLOAD THE FREE TORP APP

Google Play (Android) or the App Store (iOS).

02 GRANT PERMISSIONS

Allow location, photos and media, then accept the terms and conditions.

03 SWITCH THE BIKE ON

The controller must be powered before the app can find it.

04 SELECT YOUR CONTROLLER

The app detects nearby controllers automatically. Pick yours from the list. The Bluetooth ID is printed on the label on the side of the controller and the controller box. Save this information in a secure place.

05 SET IT UP

Run calibration and select your battery, then set up your configuration.



TALK TO THE ENGINEERS, NOT JUST SUPPORT

Every TORP product is backed by direct, engineer-level assistance, from first setup to fine-tuning. Use the support form on our website and we will come back to you.

WARRANTY 2 years **SUPPORT** torpmotors.com/contact

HELP CENTER torpmotors.com/help-center



SUPPORT

Modifying a stock electric vehicle can make it non-compliant with local road-safety regulations. Consult the relevant authority before riding a modified vehicle on public roads. The TC500 is not an original Talaria part and is used at your own risk. TORP is not affiliated with, and claims no rights to, that brand.