

EPROPULSION X12 QUICK START GUIDE

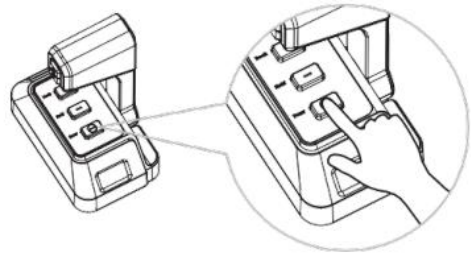
NOTE: This Quick Start Guide is intended as an aid to your everyday operation engine It is a condition of use that:

- (1) The motor has been installed correctly, in accordance with the full manual.
- (2) You have read and understood the full manual, and have made yourself familiar with all operations of the outboard motor system and the boat.

1 START-UP

1.1 System Start With

the lever in neutral, long press the Smart Throttle power button for 1s. The smart display will turn on, and shows "READY" (top right of screen) when the system is ready to run.



- If the throttle is not in neutral it will flash "Reset" on the display (put it in Neutral)
- If the smart throttle "chirps" after system start, and the display shows an error message, refer to Troubleshooting (full manual) to resolve the issue.

1.2 System Check/Configuration

The system will "read" all connected devices. Please make sure all the devices with SN can be read from the display. If some devices cannot be read, please press Check again to read again. If it is a simple system (one motor, one throttle etc) it will process automatically and proceed to the Home page. If it is a more complicated system (two or more motors etc.) some manual confirmation / configuration will be required (see full manual).



2 HOME PAGE DISPLAY



Figure	Function	Explanation
	DOCK	Power limit mode for safer maneuvers in harbor
	1Level	Single throttle mode
	Turbo	Turbo mode
	IDLE	IDLE mode
	EPA	When steering faults occur press to enter Electric Power Steering (EPS) Lock page
	CHG P	Press to enter the charger page
	H	Hydrogeneration is on
	H	Charging

3 MOTOR OPERATION

Before going out on your boat you should always "check the basics" such as:

- the battery level is sufficient for the journey intended.
- all electrical cables are securely connected and damage-free.
- the weather forecast.
- the boat and all crew members have adequate safety gear.
- the driver is wearing the kill cord.
- Assuming the high voltage battery is connected/switched on, and the system is "READY" (ref 1.1), the main outboard control systems are:

3.1 Throttle

This operates largely as you would expect of any boat motor throttle. From the neutral position push it forwards (gently, at least until you are familiar with it) to increase power and drive the boat forwards, or backwards from neutral to drive the boat in reverse.

- You should not, but if you pull the throttle directly from forward to reverse, the motor will stop briefly before entering reverse gear, to protect the gearbox from damage.

- A reduced power "Docking Mode" (see full manual) is available for safer maneuvers in the harbor.
- Only when the throttle is at the maximum of the forward, press twice to enter Turbo mode. Please read the user manual carefully before using Turbo mode and ensure the safety of the surrounding environment.



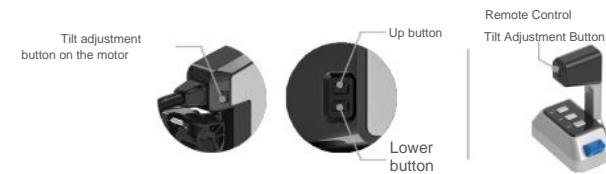
3.2 Steering The

steering wheel changes the direction of the outboard, as you'd expect. The maximum steering angle, and the number of turns from lock-to-lock, can be adjusted if you wish (see full manual).



3.3 Trim

The trim angle of the outboard helps determine the position of the bow in the water. This can be adjusted by the buttons on the side of the throttle handle, on the side of the motor or via the Smart Display. Correct trim angle improves performance and reduces stress on the outboard motor. The appropriate trim angle depends on the combination of the boat, outboard motor, and propeller. Other factors, such as the boat's load, sea conditions, and operating speed, also influence the correct trim angle.



- **Trim Angle is important to boat safety/performance.** More information can be found in the full manual, but please also seek professional advice if you are not familiar with this aspect of operating your boat.

4 CHARGING

Before charging, please refer to the user manual to enter the Charger page to set the charging voltage and current. To start charging, the system needs to be turned on (press Smart Throttle power button for 1s), with the throttle in neutral. When the display shows "READY" the power supply to the AC charger can be connected/turned on. If you need to leave the boat once charging has started, but before it's complete, the system can be powered off. The battery will then continue charging until full (or the AC input is disconnected).

- **Please Note: the motor cannot run and the throttle should not be operated while charging. Attempting to do either may result in a system error.**



5 IDLE MODE

In scenarios such as short-term anchoring, leisure, or entertainment, slide down the top of the smart display to enter the anchoring mode page and activate idle mode to prevent accidental triggering of the interactive system and avoid potential risks to it users. In idle mode, the main propulsion, electric steering, and electric tilt and trim will stop. After maintaining the idle mode for 30 minutes, the display will turn off, and the screen can be reactivated by operating the interactive system. Exiting idle mode requires manual operation through the interactive system to return to normal operation mode.



6 SYSTEM SHUT OFF

Make sure to check on System Page that the 12V level is higher than 13V, which means the DCDC is going well. After finishing testing and checking, it is recommended to turn the system off by long pressing the Throttle button but keep the 12V connected to the system.



7 EPROPULSION LINK

To connect your ePropulsion system to the ePropulsion Link, follow these steps:

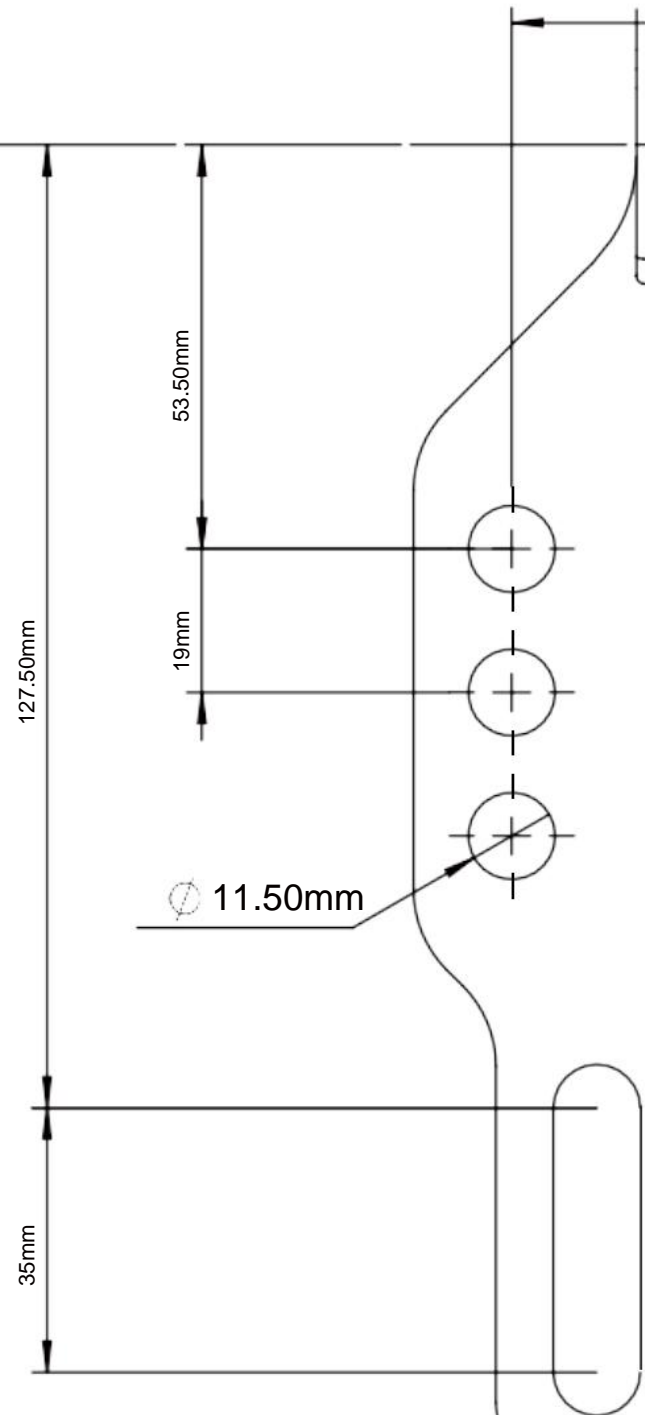
1. Visit <https://link.epropulsion.com>.
2. Click "Sign Up" and create your account.
3. Upon visiting the home page for the first time, click "Create Boat" to register your first boat.
4. After registering your first boat, click "Connect Now" to access the connection page. Additionally, locate the QR code for connection on the boat's display by navigating to Settings > General > Connectivity. You can either scan the QR code or manually enter the serial number to establish a connection.
5. Once successfully connected, you can access real-time information such as the boat's location and battery level on your home page.



8 OTHER USEFUL INFORMATION/ADVICE

- The full manual contains much vital additional information, in particular Fault Codes & Troubleshooting. Store it on board the boat, somewhere that's accessible but won't get wet.
- Ensure the top of the outboard is not covered to avoid loss of GPS signal (which gives speed and range data).
- Wash the outboard with fresh water after use in salt water, to reduce the effects of corrosion.
- In case of a collision, please stop the outboard immediately and check if it is damaged. Do not continue operation until it is confirmed to be undamaged, or there is a risk of further damage, losing the propeller, etc. Contact authorized ePropulsion dealer for inspection/service.

240.60mm



Step 1: Drill the hole

Preference dimension card (with holes size) helps to install the outboard in the appropriate position on the transom

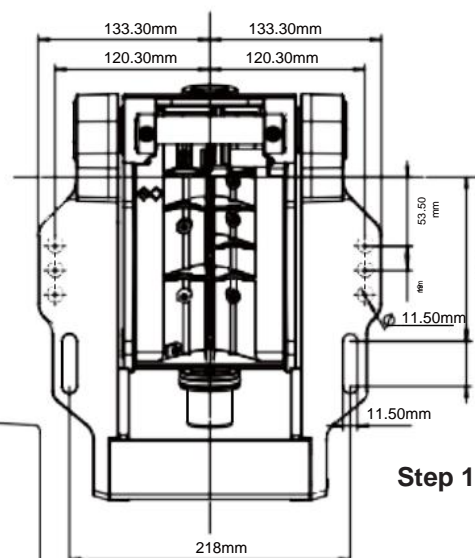
Step 2: Detach the motor top cover

Before lifting, tidy up the cables and secure them to the motor. Detach the four M5 screws from the outboard motor cover.

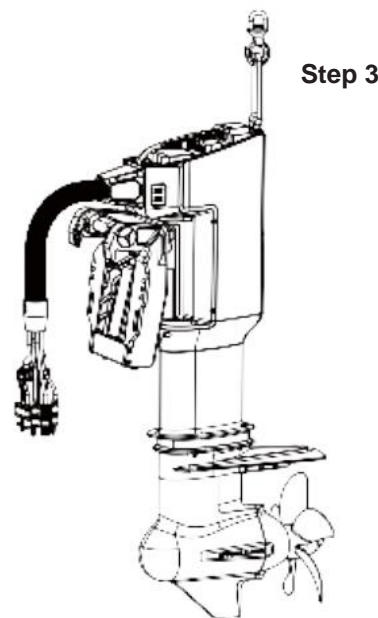
Step 3: Lifting the machine

Screw in the lifting ring until tight. Use a lifting rope to secure the machine and attach it to the hoist. Slowly adjust the hoist during a trial lift. If the machine remains stable without tilting or swinging, you may proceed with the proper lift.

Lifting objects hazard: pay attention to safety when hoisting equipment or objects nearby to avoid being hurt or crushed by falling objects.



Step 1



Step 3

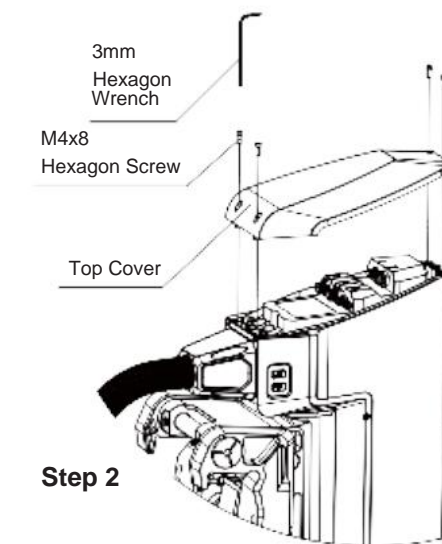
Note: Please install the outboard motor correctly and securely, as improper installation of the outboard motor may result in unforeseen damage to the outboard motor, equipment, and personnel injury.

Step 4: Fix the outboard motor

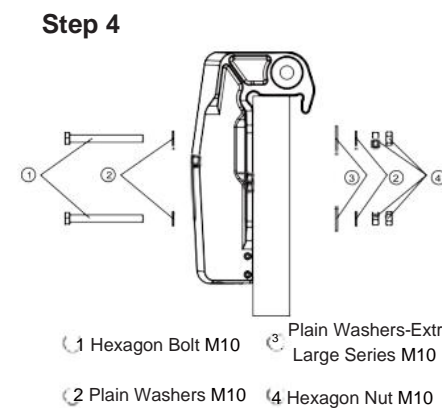
Slowly move the outboard to the installation position; Adjust the alignment of the holes, insert the bolts, washers, nuts and double nuts as shown in the picture below, and tighten them securely; Apply the silicone sealant (ThreeBond 1216 or equivalent) to the outboard motor installation holes. Standard Torque: 40N·m(4.08kg·m 29.5lbf·ft)

Step 5: Install the top cover

Remove the two lifting rings, put the cover back to its original position and tighten it with four M4 screws.



Step 2



- ① Hexagon Bolt M10
- ② Plain Washers M10
- ③ Plain Washers-Extra Large Series M10
- ④ Hexagon Nut M10

