

# Smart Side Mount Control eSSA User Manual



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# THANK YOU

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Thank you for purchasing a product from ePropulsion, world leaders in clean, safe and reliable electric marine propulsion systems. We are sure you'll be pleased with your new motor and welcome your feedback at [www.epropulsion.com](http://www.epropulsion.com).

## Conditions of Use

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Before using this product, please read this user manual thoroughly to understand how to use the product correctly and safely. By using this product, you indicate that you have fully read and understood, and agree to, all the contents of this manual. Do not use the electric outboard motor until you have understood how it operates. Do not lend the outboard motor to anyone who is not familiar with its operation. ePropulsion is not responsible for any economic loss or personal injury resulting from operations that do not comply with the instructions in this manual.

Please note that ePropulsion has a policy of continuous product optimisation, and reserves the right to update the contents of this manual at any time. Please visit [www.epropulsion.com](http://www.epropulsion.com) to obtain the latest version. If you find any discrepancies between your product and this manual or have any questions about the product or this manual, please visit the website [www.epropulsion.com](http://www.epropulsion.com) or contact us. ePropulsion reserves the right to make the final interpretation of this manual.

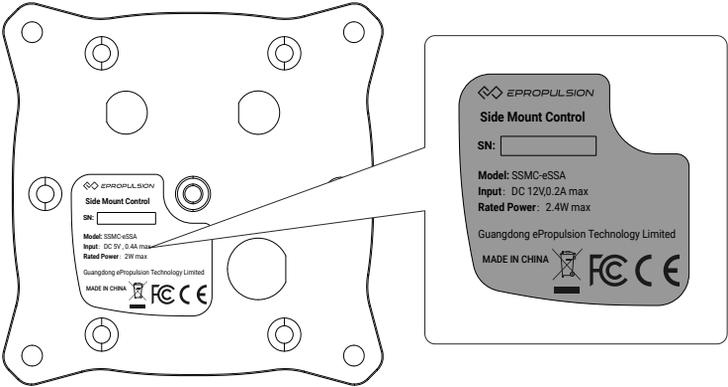
This manual is available in multiple languages, and in the event of any discrepancies between different language versions, the English version shall prevail.

ePropulsion also retains all relevant intellectual property and industrial rights, including copyrights, patents, trademarks, and designs.

# Product Serial Number

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The serial number is located as shown below. Please note and keep in a safe place, as it may be needed when purchasing accessories, or if you need service or warranty.



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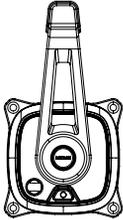
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# 1 Product Introduction

The Smart Side Mount Control eSSA enables wired system communication for motor startup, throttle control, and gear switching (F/N/R).

## 1.1 In the Package

Items	Qty.	Figure
Smart Side Mount Control eSSA	1 pcs	
eSSA Communication Cable 1m	1 pcs	
Kill Switch	2 pcs	
Phillip Countersunk Head Tapping Screw M5x12	4 pcs	
Phillip Countersunk Head Screw M5x16	4 pcs	
Hex Locknut M5	4 pcs	
User Manual & Mount Template	1 set	

 Save ePropulsion original package for transport and storage.

## 1.2 Specification

	Smart Side Mount Control eSSA
Communication	Wired
Communication distance	≤15m
Weight	0.75kg
Dimensions	98 x 178 x 83mm
IPProtection Rating	IP67
Operating Temperature	-5 to 55°C
Storage Temperature	-25 to 70°C

## 1.3 Notice

1. Only adults who have fully read and understood this manual are allowed to operate this product.
2. Make sure that the function of this product is normal before each use.
3. Make sure the Side Mount Control is properly installed before use.
4. Remove the kill switch when it is not in use.
5. After detaching the throttle handle using the quick-release button, store it securely to prevent loss.

# 2 Installation and Wiring

## 2.1 Installation

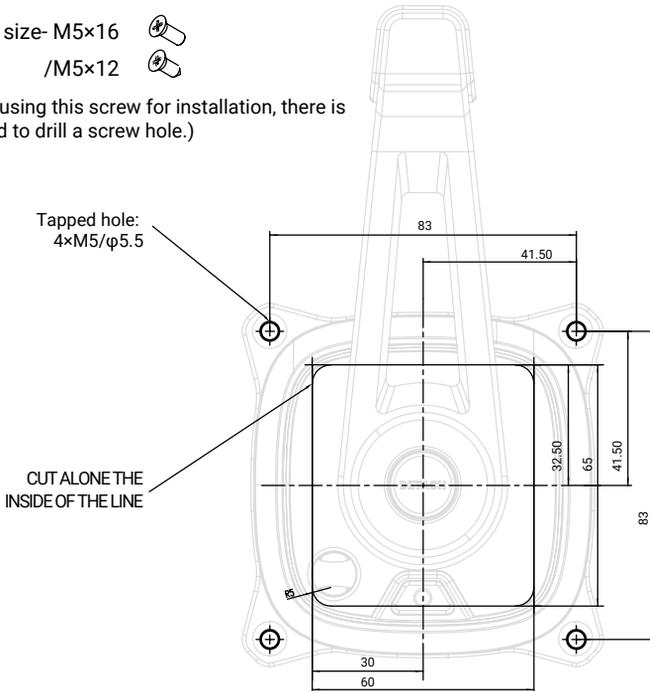
Secure the Smart Side Mount Control to the hull using one of the following methods: **Bolt Installation** or **Self-Tapping Screw Installation**.

### 2.1.1 Bolt Installation

① Use the mount template to mark four holes on the hull, and drill holes.

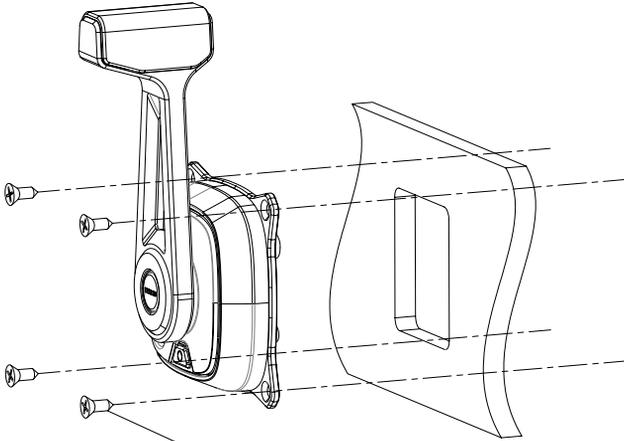
Screw size- M5×16  
/M5×12

(When using this screw for installation, there is no need to drill a screw hole.)



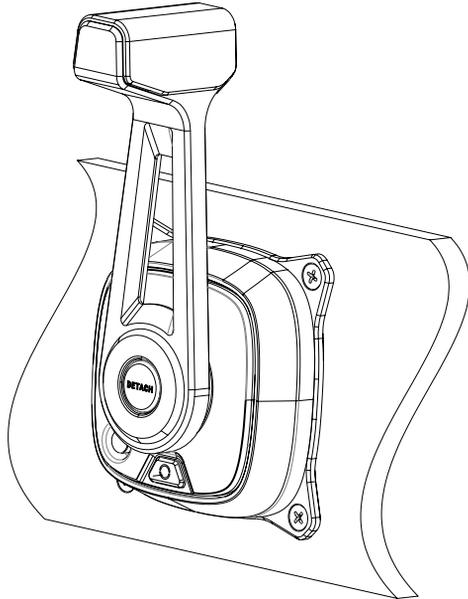


② Align the throttle with the holes (handle upward) and secure with screws.



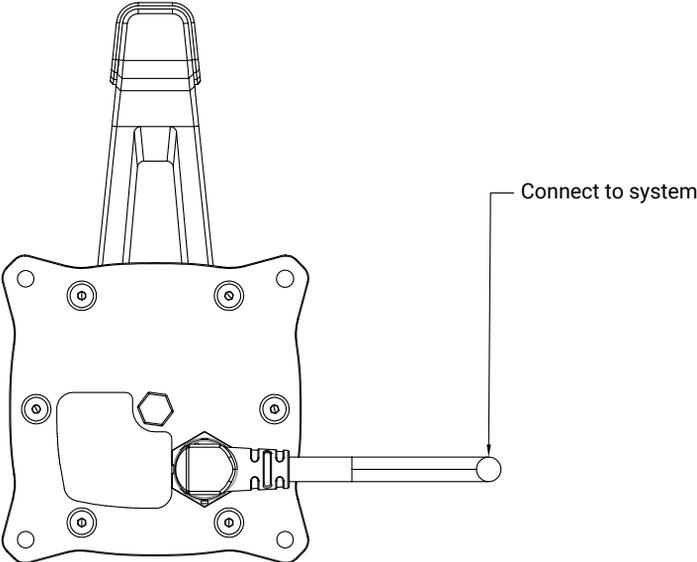
4×M5 Self-tapping cross recessed countersunk screw

③ Installation completed.



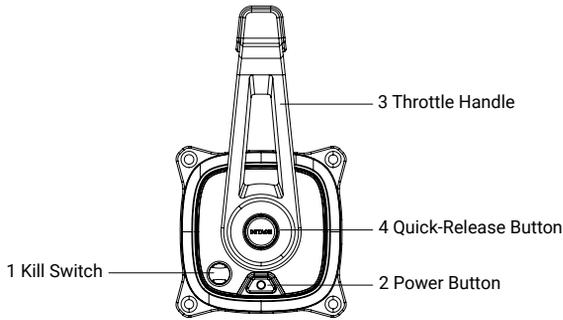
# 2.2 Wiring

Connect the throttle to the system via the communication cable.



# 3 Function

## 3.1 Function Overview



NO.	Module	Description
1	Kill Switch	<ol style="list-style-type: none"> <li>1. Pre-Operation: Insert the kill switch before starting the motor.</li> <li>2. Shutdown: Remove the kill switch when powering off the system.</li> <li>3. Emergency Stop: Detach the kill switch to immediately power off the motor in emergencies.</li> <li>4. Restart Protocol: After an emergency stop, return the throttle to Neutral (N) before attaching the kill switch to restart.</li> </ol>
2	Power Button	<p><b>1. System Power Control:</b>            Power On: Press and hold (1 seconds) to activate the system. The power indicator illuminates.            Power Off: Press and hold (2 seconds) to deactivate the system. The power indicator turns off.</p> <p><b>2. Dual Control Console Switching:</b>            In systems with dual consoles, double-press the power button on the inactive console to transfer control.</p>
3	Throttle Handle	<p><b>F (Forward):</b> Push forward to engage forward propulsion.  <b>N (Neutral):</b> Center position for zero propulsion output.  <b>R (Reverse):</b> Pull backward to engage reverse propulsion.</p> <p><b>Note:</b> After installation, configure the throttle's port/starboard before initial use. Refer to Section 3.2 for configuration steps.</p>
4	Quick-Release Button	<p><b>Detach:</b> Press to detach the throttle handle. Please securely store detached handles after removal to prevent loss.</p> <p><b>Reinstall:</b> Align its circular hole with the quick-release button in its original position and press down firmly. No need to press the quick-release button during installation.</p> <p><b>Note:</b> Primarily designed for sailboat racing scenarios. Avoid detachment in non-competitive use to minimize risk of loss.</p>

# 3.2 Port/Starboard Configuration

Set the installation side to align throttle movement with vessel direction. Default: Starboard. If necessary, switch to port via display.



## 4 Limited Warranty

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Guangdong ePropulsion Technology Co., Ltd. (“ePropulsion”), China, warrants its products to be free of defects in material and workmanship under normal usage with proper installation and routine maintenance for a period of twenty-four (24) months from the date of delivery of invoice (the “Limited Warranty Period”). The Limited Warranty is provided to the first end customer of ePropulsion products ONLY. The Customer is entitled to free repair or replacement of defective or non-conforming parts. Any warranty claim must be made within six (6) months of discovery of issues as provided below.

If the Limited Warranty Period has expired, you can still enjoy maintenance services from dealers/distributors authorized by ePropulsion (the “ePropulsion Service Partners”) who will endeavour to keep costs to a minimum.

In all warranty cases, ePropulsion will only bear the repair or replacement cost for items that are covered by the Limited Warranty. Any costs not covered by the Limited Warranty – such as those related to product installation, disassembly, transportation, financing, rental, etc – shall be borne by the customer alone.

Beyond the Limited Warranty, the Customer may have statutory rights in their jurisdiction according to applicable laws. Nothing in this Limited Warranty affects such rights. The Customer may have warranty claim rights arising from the purchase contract with ePropulsion Service Partners in addition to the rights granted by this Limited Warranty.

Products used for commercial or professional purposes\*, even if only temporarily, are not covered by the Limited Warranty. Instead, the statutory warranty in your jurisdiction shall apply. You are encouraged to consult with ePropulsion Service Partners for applicable warranty and advice before engaging in such use.

**\* Commercial/Professional Purposes include those where the product is used with the intention of making profit, or high frequency, or very high reliability requirements, etc.**

**To keep your warranty valid, please note the following:**



Products without the original product label will not be covered by ePropulsion’s Limited Warranty. Keep the product label intact and record the serial number from it. Never remove the label from the product;



The Limited Warranty is not transferable and will not be reissued;



The Limited Warranty may change from time to time. Please visit our website (<http://www.epropulsion.com>) for the latest version.

### **Capacity guarantee for high-voltage batteries**

A guarantee of the capacity of the high-voltage batteries, in addition to the standard guarantee. Depending on the long-term average temperature and the usage profile, this guarantee runs for a longer life.

#### **Comment on average temperature:**

The average temperature is calculated using the Arrhenius equation; this means that higher temperatures are given a greater weighting.

## **4.1 Warranty Exclusions**

### **ePropulsion may refuse a warranty claim if:**

- The product is operated in contradiction to what is written in the user manual;
- Damage is caused by accident, misuse, dropping, improper care or storage, wilful abuse, physical damage, unauthorized repair;
- Water ingress is caused by external sources such as fishing nets, submersion, etc;
- Product has been modified, altered, dismantled, or had parts/accessories attached in any way not expressly permitted or recommended by ePropulsion;
- Due to failure of, or damage caused by, any 3rd party products;
- The high-voltage batteries have been repositioned in the boat, without contacting ePropulsion service. Repositioning may result in changes to cabling, and other risks to system operation;
- The battery has been incorrectly charged, overcharged, over-discharged, or operated in temp out of scope described in the user manual;
- Consumables (such as replacement propeller, anodes, oil/fluids...etc.);
- Purchases of products from unauthorized dealers or sellers;
- Normal wear and tear and routine servicing;
- Damage caused by improper packing or handling of the product during its return. The additional damage part will be deemed out of warranty;
- Incorrect shipping of lithium batteries. These are classed as a UN9 hazardous item, and must be shipped in accordance with regulations in your jurisdiction. Non-compliance may result in warranty exclusion.

## 4.2 Limited Warranty Claim Procedures

**The process shown below must be followed in order to make a Limited Warranty claim:**

1. Contact your nearest ePropulsion Service Partner with details of the problem. They will advise if such defects are covered by the Limited Warranty or any additional rights you may have from your purchase.
2. Send the defective product to them (or the Service Partner they advise) together with Proof of 1(st)-time (first time) Purchase (e.g., receipt, invoice, etc., with information of product purchased and date of purchase), the Confirmation of Online Warranty Registration, ex-factory Serial Number, etc. Note that all labels must be kept intact. Warranty claims will only be valid only when the information above is correct, genuine, and complete.
3. Make sure the product is properly packed during delivery, the original packaging is highly recommended.
4. The ePropulsion Service Partner will examine and diagnose the defective products to check the validity of the warranty claim.
5. If your warranty claim is accepted, the Product or its defective components/parts will be either repaired or replaced free of charge. Note that any delivery cost incurred in the process shall be borne by you.
6. If your warranty claim is rejected, a repair/replacement cost and fee with round trip delivery cost will be estimated and sent to you for confirmation. ePropulsion Service Partners will only begin the work after your written confirmation that you wish to proceed with the repair/replacement and will pay for it.

## ePropulsion

(\*In order to validate warranty, please fill in this form first and read the Warranty Policies.)

### || OWNER INFO. ||

Owner Name			
Address			
Phone		Email	

### || DEALER INFO. ||

Store Name			
Address			
Phone		Email	

### || PRODUCT INFO. ||

Date of Purchase (mm/dd/yyyy)	
Serial No.	







Thanks for reading this user manual.

If you have any concerns or find any problems while reading, please don't hesitate to contact us. We are delighted to offer service for you.

Guangdong ePropulsion Technology Limited

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