



ELECTRIC SURFBOARD



USER MANUAL AND WARRANTY

UNPACKING AND INSPECTION

Upon delivery of the products to the designated place of receipt via standard or specified transportation, the package must be unpacked immediately in the presence of the courier. Inspect all components carefully and verify that no damage has occurred during transportation.

In the event of visible damage, report the issue to the carrier and the supplier without delay.

Handling Precautions

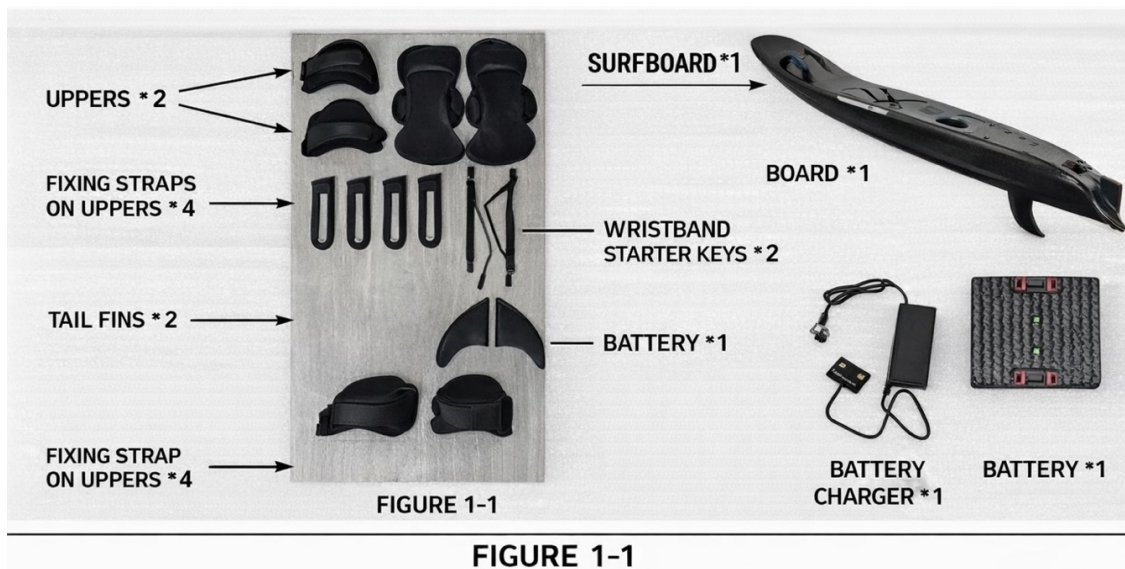
- Do **not** drop the surfboard or battery from any height.
- Do **not** stand on, step on, or drag the surfboard with excessive force.
- Do **not** lift or carry the battery using a single hand.
- Handle all components with care to prevent structural or electrical damage.

Standard Accessories Supplied

The standard delivery scope includes the following items:

- Surfboard ×1
- Battery ×1
- Battery charger ×1
- Tail fins ×2
- Surfing shoes (soles ×2, uppers ×2, fixing straps on uppers ×4)
- Shoe fixing screws ×8
- Wristband starter keys ×2

Refer to Figure 1-1 for component identification.



INSTALLATION AND PREPARATION

CHARGING INSTRUCTIONS

Before charging, ensure that the local power supply voltage complies with the charger specifications. The chargers supplied are available in **110 V and 220 V versions**, with an applicable input voltage range of **80–130 V** and **180–260 V**, respectively. The charger output current is **15 A**.

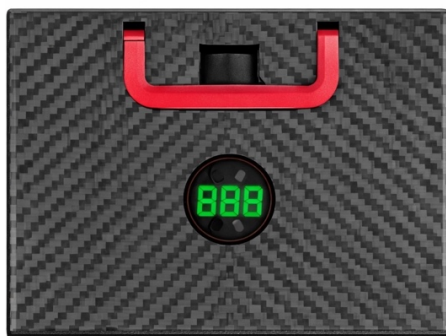
During charging, keep the battery and charger **away from flammable materials**, ensure **adequate ventilation**, and maintain a **dry environment**. **Indoor charging is strictly prohibited**, and the battery must **never be charged without supervision**.

When charging, **connect the charger to the battery first**, then plug the charger into the power outlet. After connection, wait **at least 15 seconds** to allow the charger to properly match the battery voltage before charging begins.

Always use a **three-pin grounded power socket**. Ensure that the charger, battery, and surrounding area remain **well-ventilated, dry, and free of combustible materials** throughout the charging process.

Under normal conditions, a full charge takes approximately **3 hours**. **Do not charge for more than 4 hours**, as overcharging may cause battery damage. The current battery charge level can be monitored at any time via the **LCD display**.

2-1



BATTERY CHARGING SAFETY WARNINGS

⚠️ Charging at high temperatures is strictly prohibited, as it may significantly reduce battery lifespan and increase the risk of fire or explosion.

Charging must be performed **outdoors only**, away from flammable or explosive materials, in a **well-ventilated and open area**.

Indoor charging is strictly prohibited.

Battery Safety Precautions

1. Short circuits are strictly prohibited.
2. Do not impact, crush, or drop the battery, as this may cause serious accidents.
3. Do not expose the battery to fire or extreme heat.
4. Use only the original or manufacturer-approved charger.
5. Do not charge indoors. Charge and store the battery in a cool place, away from direct sunlight.
6. Store the battery separately and keep it out of reach of children.
7. In the event of an accident (smoke, fire, abnormal heat), keep a safe distance and contact emergency services immediately.
8. Charge the battery promptly after use. If the product is not used for a long period, recharge the battery every **1–2 months** to maintain battery health.
9. Do not use damaged or malfunctioning batteries. Discontinue use immediately and seek professional service support.

02 – INSTALLATION OF FOOT STRAPS (SURF SHOES)

1. Insert the **fixing strap of the upper** into the **sole hole**, ensuring the top of the fixing strap is oriented toward the **front of the sole**, as shown in Fig. 3-1.
2. Unfold the shoe upper and insert the **shoelace into the strip hole** at the bottom of the fixing strap, as shown in Fig. 3-2.
3. Insert the top of the fixing strap into the corresponding hole on the shoe upper, as shown in Fig. 3-3.
4. Adjust the shoes to fit your feet securely. **Do not overtighten**, as excessive tightening may prevent the foot from releasing during a fall, potentially causing ankle sprains or fractures.
5. Secure the shoes to the surfboard using the fixing screws, with the **right foot positioned at the front**.

⚠️ Important Notice for Beginners:

The use of surfboard shoes is **not recommended for beginners**. After gaining more than **5 hours of riding experience**, you may install the toe clip and strap and begin practicing advanced techniques such as jumping.



3-1



3-2



3-2



3-4

BATTERY INSTALLATION

Before installation, check whether the **battery contact terminals** and **sealing ring** are intact and undamaged.

Lift the battery **with both hands** and carefully place it into the battery compartment.

When the handle is raised to **90 degrees**, the locking mechanism will open.

If the handle angle is **lower than 80 degrees**, the locking structure will automatically lock.

During battery installation, ensure that the **handle is positioned at 90 degrees perpendicular to the battery**.

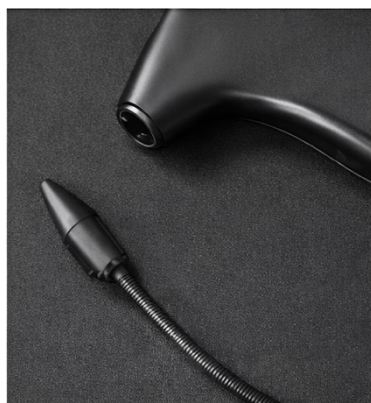
After the battery is fully seated inside the battery compartment, **lower the handle to lock the battery securely**.

The **trapezoid-shaped end** of the battery must face the **rear of the board**, while the **rounded end** must face the **front of the board**.

⚠ Improper installation may result in poor electrical contact, water ingress, or damage to the locking mechanism.



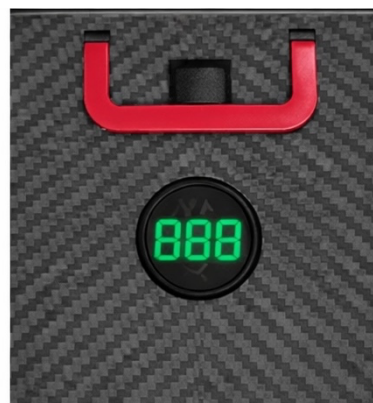
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5-1



5-2



5-3

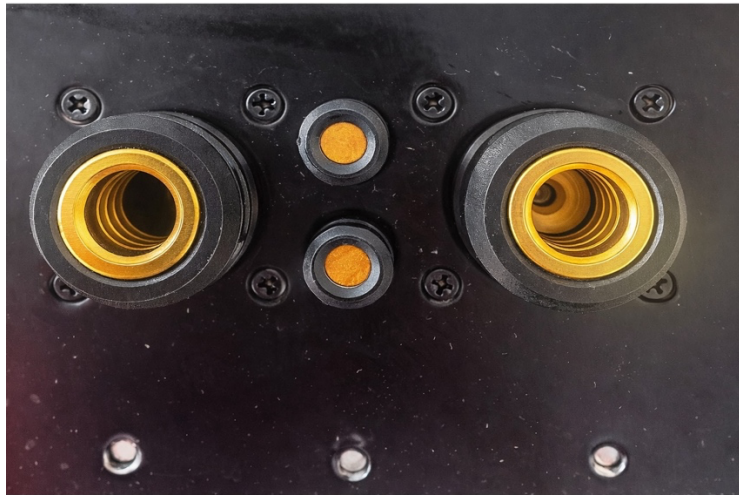
USE AND SAFETY PRECAUTIONS

PRE-LAUNCH INSPECTION AND PREPARATION

- Always comply with all **local laws, maritime regulations, and launch restrictions** applicable to electric watercraft.
- Ensure the **launch area is clear of swimmers, divers, and other water users**. The water surface must be free from floating debris, aquatic plants, and obstacles.
- Avoid areas with **rocks, shallow sandbanks, or hard objects** that may damage the propeller or hydrofoil system.

- **Personal protective equipment is mandatory:** always wear an approved life jacket and protective helmet before operation.
- Wear **tight-fitting clothing** and secure long hair to prevent entanglement during operation or after falling into the water.
- Verify that **all surfboard components are fully assembled** in accordance with the assembly instructions (Manual sections P2–P4).
- Carefully place the surfboard into the water and ensure the **minimum water depth exceeds 50 cm** before powering on the system.
- Inspect the **sealing ring at the battery contact interface** and confirm it is correctly installed and undamaged (see Figure 6-1).
- Insert the battery into the battery compartment carefully and **lock it securely** according to the installation procedure described in this manual.

⚠ Failure to follow these instructions may result in equipment damage, reduced performance, or serious personal injury.

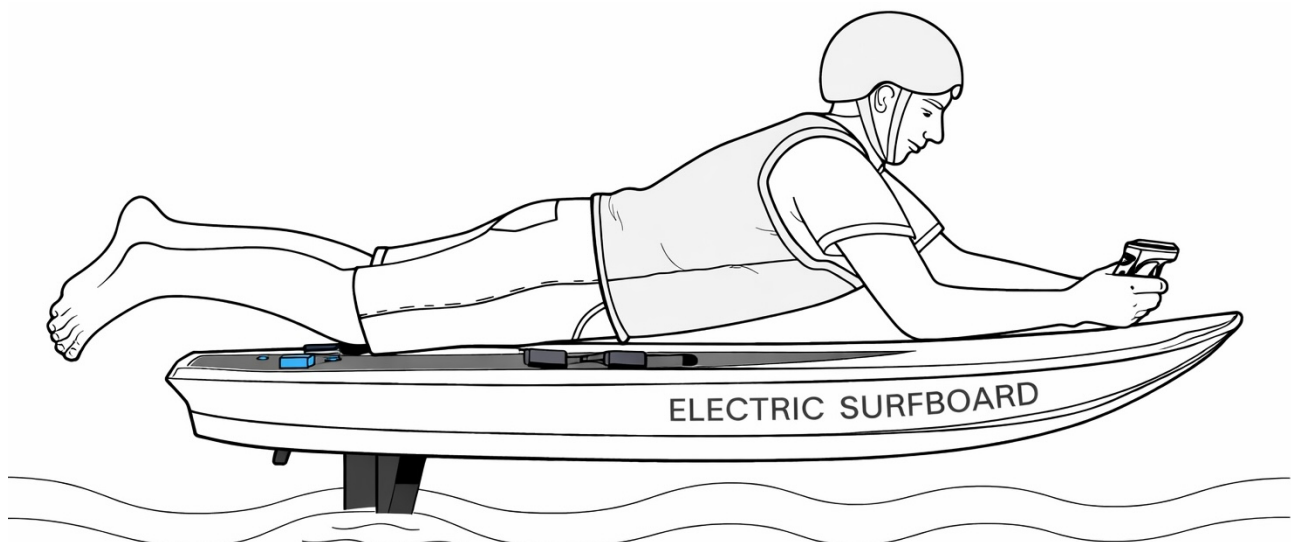


6-1

STARTING METHOD

(IMPORTANT: READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS BEFORE LAUNCHING)

1. Secure the **starter wristband** on your wrist and insert the **magnetic safety plug** into the corresponding socket on the control handle.
2. Lie **prone on the surfboard**, keep your legs slightly apart and maintain stable body balance.
 - Hold the **front arm rest** of the surfboard with your **left hand**.
 - Grip the **control handle** with your **right hand**, using your thumb, index finger, and middle finger.
 - Support the arm rest with your ring finger and little finger.
(Refer to Figure 7-1 for the correct riding posture.)
3. Select the desired **speed mode** using the electric gear selector on the control handle:
 - **Low gear:** 0–35 km/h
 - **High gear:** up to 52 km/h
4. If the **balance airbag function** is activated, immediately adopt the posture shown in **Figure 7-1** to maintain stability and control.



⚠ Important Notes:

- Do not accelerate abruptly.
- Maintain stable posture at all times.
- Always operate the surfboard in water deep enough to avoid contact with the propeller or hydrofoil.

EMERGENCY AND OPERATING INSTRUCTIONS

(ATTENTION: READ CAREFULLY AND FOLLOW STRICTLY BEFORE OPERATION)

If strong waves, sandstorms, or other adverse environmental conditions occur, immediately reduce speed and return to shore in a controlled manner.

Continuously monitor the operating sound of the surfboard. Any abnormal noise may indicate that the propeller has become entangled with foreign objects such as sand, debris, or hard materials. In such cases, **immediately stop operation**, power off the system, and inspect the propulsion unit before continuing use.

If the surfboard suddenly decelerates while sufficient battery power remains, this is likely caused by propeller obstruction. Stop operation at once and perform troubleshooting before restarting.

When approaching obstacles, reduce speed immediately. Navigate around the obstacle slowly and cautiously to ensure rider safety.

If an uncontrollable situation occurs (e.g. unavoidable obstacles, severe sea conditions, or loss of control), **release the control handle immediately** and fall into the water **away from the forward direction of the surfboard**, ensuring personal safety at all times.

In the event of falling into the water:

- Immediately release the control handle
- Ensure that the **magnetic safety plug** attached to the wrist band is fully detached from the control handle
- Confirm that the surfboard power is completely cut off

Failure to release the control handle or detach the magnetic safety plug may result in **unintended motor restart**, which can lead to serious injury.

Foot straps must **not be overtightened**. Excessive tightening may prevent the feet from releasing during a fall, potentially causing injuries such as ankle sprains or fractures.

TROUBLESHOOTING

Foreign Object Entanglement – Removal Procedure

1. **Disconnect the magnetic safety switch**
Remove the magnetic plug of the starter wrist band from the control handle. Then gently press the control handle switch once to ensure that no residual electrical charge remains in the system.
2. **Invert the surfboard**
Carefully turn the surfboard upside down so that the bottom side faces upward and the water inlet and propeller area are fully exposed.
3. **Remove foreign objects**
Use appropriate tools such as a screwdriver, needle-nose pliers, cutting knife, or similar tools to carefully remove any entangled debris (e.g. seaweed, rope, sand, or other foreign matter).
Visually inspect through the spray/water inlet opening to confirm that all obstructions have been completely removed.
4. **Safety warning**
Do NOT insert fingers directly into the water inlet or propeller area.
The propeller edges are sharp and may cause serious injury. Always use tools when performing cleaning or debris removal.
5. **Restart and inspect**
After cleaning, return the surfboard to its normal position and attempt to restart the system.
If abnormal noise persists or the surfboard fails to accelerate properly, the propeller may be damaged or deformed.
6. **Service requirement**
In the event of suspected propeller damage, discontinue use immediately and contact the authorized supplier or service center for replacement parts or after-sales service.

TROUBLESHOOTING – SUDDEN POWER FAILURE

1. Post-ride inspection

After returning to shore, check whether the battery compartment contains water and inspect the battery sealing ring for any damage.

2. Water inside the battery box

A **small amount of water** inside the battery compartment may occur due to cooling and can be considered normal. However, **water must never be present on the battery contact terminals**.

If water is detected at the contacts, immediately inspect the sealing ring and replace it if damaged.

3. Battery status check

Disconnect the magnetic safety switch (wrist band) from the control handle and wait **5–10 minutes** before reconnecting it.

Observe the voltage displayed on the battery LCD screen:

- If the voltage is $\leq 72\text{ V}$, or
- If the battery capacity indicator shows **0%**, the battery is fully discharged.

In this condition, the remaining power may allow a **slow return to shore**, but a **backup battery is required** for continued operation.

FAILURE TO POWER OFF

If the system does not shut down after removing the magnetic starter key, check the following:

1. Water in battery contacts

- Dry the battery contacts thoroughly.
- If corrosion caused by seawater is present, spray the contacts with **WD-40 or equivalent contact protection**, then dry completely.
- Refer to section **13-1** for detailed cleaning instructions.

2. Water ingress into the control handle

- If the control handle housing is damaged and allows water ingress, discontinue use immediately.
- Contact the dealer or customer service to purchase a replacement control handle.

3. Sand contamination inside the control handle

- Rinse the control handle thoroughly with **fresh water**.
- If the malfunction persists after cleaning, the control handle must be replaced.



13-1

TROUBLESHOOTING – SHORT BATTERY ENDURANCE

Under calm water conditions, with a **standard load of 60 kg** and a **maximum speed limited to 52 km/h**, the continuous operating time is approximately **30–50 minutes**.

If the actual battery endurance is **significantly less than 30 minutes**, please check the following possible causes:

- The system may be **overloaded** (exceeding the recommended rider weight).
- Water conditions may **not correspond to test conditions** (waves, strong current, wind).
- The **propeller may be entangled** with foreign objects (seaweed, rope, debris).
- The **tail fin may be damaged or deformed**.
- The **battery sealing ring (O-ring)** may be damaged, allowing water ingress.
- The **battery may not be fully charged**.
- The battery may have exceeded **800 charge/discharge cycles**, resulting in reduced capacity.
- The battery may have been **overheated during charging**.
- The battery may have been **dropped from height, short-circuited, stepped on**, or otherwise mechanically damaged.

⚠ Note:

If battery performance continues to degrade after these checks, discontinue use and contact an authorized service center for inspection or battery replacement.

MAINTENANCE AND STORAGE

Maintenance

After riding in **seawater**, thoroughly rinse all exposed parts of the surfboard with **clean fresh water**.

Remove the battery and wipe both the **battery and battery compartment** with a dry cloth.

Spray the **battery contacts and battery box** with **WD-40** or an equivalent anti-corrosion agent, then wipe them clean.

Although the board is treated with an **anti-corrosion coating**, prolonged exposure to seawater may still cause corrosion.

Regular rinsing with fresh water significantly extends service life.

WD-40 is a widely available anti-rust agent and is recommended for corrosion protection (see Fig. 15-1).

After riding in **fresh water**, remove any **entangled weeds, sand, or debris** from the propeller and water inlet.

Always handle the battery with **both hands**.

Do not drag, drop, or step on the battery.

Avoid exposing the battery to **direct sunlight for extended periods**, as excessive heat may reduce battery lifespan or cause damage.



STORAGE

The surfboard can be stored in the original packing box or in a customized surfboard bag to protect it from dust and insects after it has been rinsed or cleaned with fresh water.

The battery may be placed inside the surfboard or in the battery box after it has been cleaned.

The battery must be fully charged every two months. Failure to charge the battery for an extended period may reduce its service life.

Always store the battery in a cool, well-ventilated place away from flammable materials.

PRECAUTIONS

Do not use a vehicle power supply system to charge the battery. The required power supply is **220V / 15A**. A vehicle power supply system cannot meet the voltage or current requirements.

If a portable power source or generator is used to charge the battery, ensure that the output meets **220V / 15A**. The European standard charger must meet **110V / 15A**.

It is strictly forbidden to power any other equipment using the surfboard battery.

DISCLAIMER AND AFTER-SALES SERVICE

The ACTION YACHTS manufacturer shall not be responsible for the following:

- Damage or loss caused by improper operation or storage not in accordance with the operating instructions.
- Damage or loss caused by disassembly or assembly performed by the user or by unauthorized third parties.

AFTER-SALES REGULATIONS

WARRANTY

- A **1-year limited warranty** is provided for the power system, excluding the outer shell and battery.
- A **9-month limited warranty** is provided for the battery.

The outer shell is made of carbon fiber and is extremely resistant to damage under normal use; therefore, it is **not covered by the warranty**.

LIABILITY DETERMINATION

From the date of purchase, if a failure occurs under normal use, ACTION YACHTS professionals or qualified personnel authorized by ACTION YACHTS will assess the issue. ACTION YACHTS will provide **free maintenance services** for failures caused by defects in materials or manufacturing processes.

PAID MAINTENANCE

ACTION YACHTS may still provide repair services under the following conditions; however, **the cost of parts and repair services will be charged**. If the same fault occurs in the same component within **30 days** after the repair, ACTION YACHTS will provide the repair **free of charge**.

OUT OF WARRANTY CONDITIONS

The warranty does not apply in the following cases:

- The product is not operated or stored in accordance with the user manual or operating instructions.
- Damage caused by disassembly or assembly performed by the user or by unauthorized third parties.
- Appearance damage or performance failure caused by impact, falling, or force majeure events such as lightning, fire, earthquakes, etc.
- Normal wear and tear, including but not limited to cables, shoe straps, battery seals, non-slip mats, fins, etc.
- Other failures not caused by defects in materials or manufacturing.

PRODUCT INFORMATION CARD

Field	Information
Product Name	
Product Information	
Date of Purchase	
Product ID Code	
Other Information	

IMPORTANT NOTES

This product information card, together with the purchase invoice or receipt, serves as the warranty certificate and must be kept properly.

1. This card must be completed at the time of purchase by the seller (dealer or distributor) and becomes valid only after the **date of purchase** is filled in and stamped.
2. When requesting warranty service, please present this card and provide the **product information and product ID code**.

GENERAL RETURN POLICY

After receiving the product, if the board and battery are in **new condition** and in the **original factory packaging**, you are entitled to return the product for a **refund or exchange**.

The customer is responsible for **all return shipping costs**, and a **5% restocking fee** will apply.

If you are not satisfied with our after-sales service, you may apply to return the product and receive a refund, provided that the return complies with this General Return Policy.

When providing after-sales warranty services, this disclaimer applies to all users of ELECTRIC SURFBOARD purchased from the ACTION YACHTS official website or authorized distributor. By using ELECTRIC SURFBOARD efoil you agree to this statement. The after-sales service policy will differ depending on your product, parts, or country/region of purchase. When the after-sales service policy is inconsistent with the restrictions of the country or region of purchase, such restrictions can be followed after approval by ACTION YACHTS. You will be responsible for losses caused by providing an incorrect or invalid shipping address or refusing to sign for delivery. ACTION YACHTS is not responsible for the disclosure or loss of any data and private items (including personal or proprietary information, customized decorations and accessories, etc.) contained in the product when receiving after-sales service. ACTION YACHTS reserves the right to update this after-sales service policy at any time. For the latest policy, please check the official website of ACTION YACHTS.

Compliance Information:

FCC Statement Information:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.



ACTION YACHTS d.o.o.

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