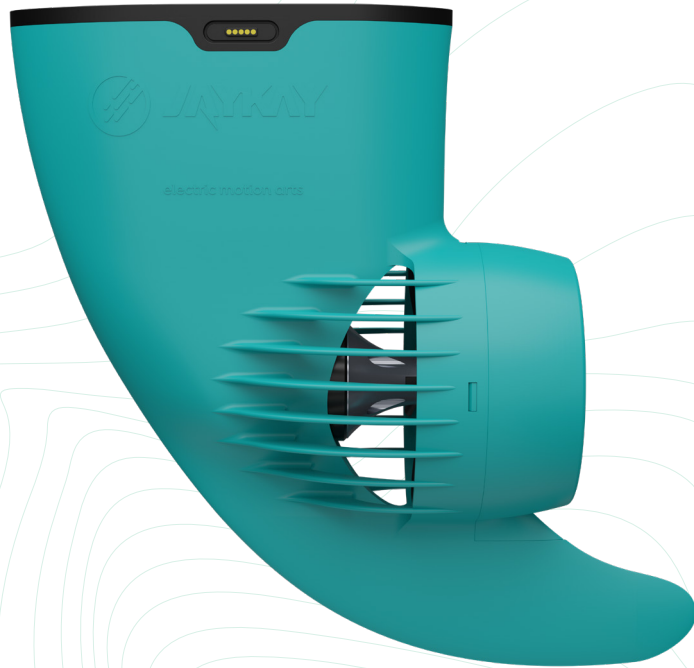


JAYKAY



E-FIN

USER MANUAL



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SAFETY INFORMATION

The E-Fin is operated by a propeller.

To use it safely, you have to read all warnings and instructions in this manual.

The E-Fin may lose drive at any time.

This can be caused by radio interference, an empty remote control battery, accidental adjustment of the power regulator or other factors. Use the power of the E-Fin on your SUP or kayak only as you would trust yourself to do without a drive.

Take care of your environment.

Avoid driving near breeding birds, seal banks or similar animal-inhabited areas.

Riding on water recklessly can lead to death.

Always be careful when you are out on the water. Always drive defensively and assume that others don't see you. Don't ride in strong waves (waves > 0.5 m) or storms. Do not drive in shipping lanes or cross the course of larger ships. If possible, avoid paddling through fog at night or when visibility is poor.

Comply with the local laws.

There are rules and bans on different waters. Familiarise yourself with the local laws, pay attention to bathing areas and other areas that are closed to water sports.

WARNINGS



Warning: Never drive through sea grass, mud or silt. This can block the propeller. If something gets into the propeller, remove the fin from the water, dry it completely and then remove the foreign object with a tool. Never put your fingers into the propeller.



Warning: Always make sure there is enough draft (> 0.5 m) before you lower the board with the E-Fin into the water. In the water, you should always keep an eye on shallows and keep the minimum distance between the E-Fin and the bottom.



Warning: Do not open or tamper with the electronics housing. You could get an electric shock. In addition, the warranty would no longer be valid.



Warning: Always make sure that the screws of the adapter are tight. Also make sure that the fin is properly stowed in the box and that the box fixes the fin.



Warning: Be careful not to get your fingers, hair or clothing into the propeller or other moving parts.



Warning: Always keep the E-Fin out of reach of infants and small children.

Drive responsibly and respect those around you. How you drive affects how this new mode of transport is seen by others.

1. INCLUDED IN DELIVERY & TECHNICAL DATA

- 1 x Electric Fin (battery: 21.6 V DC; 10 Ah; 216 Wh)
- 1 x Remote (battery: 3.6 V DC; 300 mAh; 1 Wh)
- 1 x Adapter
- 1 x Power supply
- 1 x Charger
- 1 x User manual

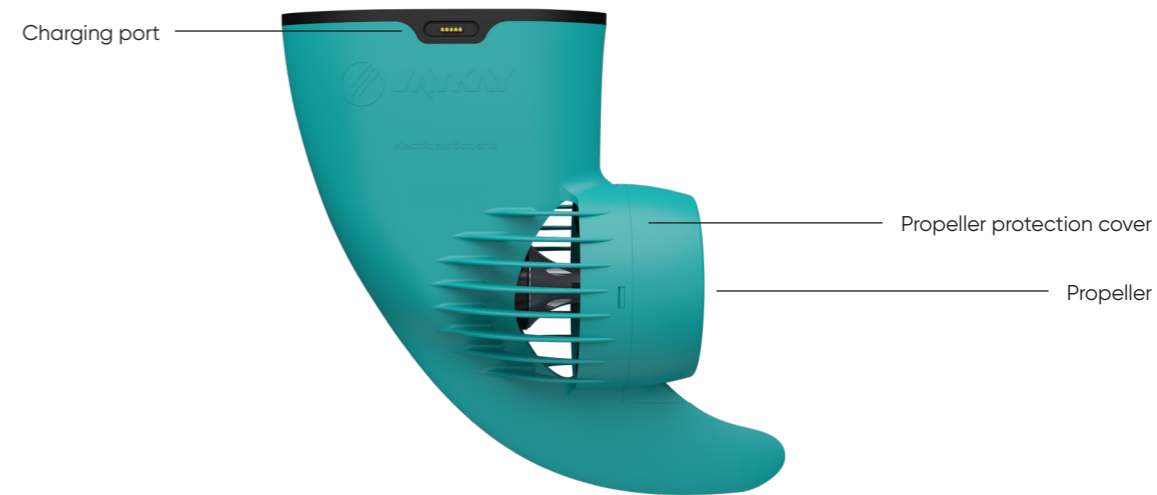
Optimal operating temperature
5 °C - 40 °C

Min. & max. operating temperature
0 °C - 60 °C

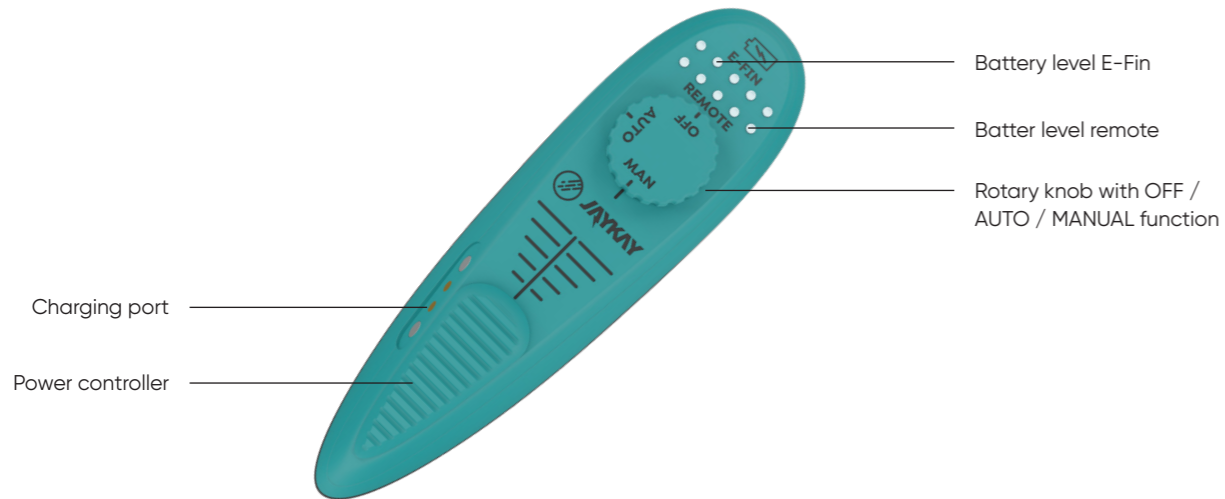
Humidity
0 % - 100 %



2. E-FIN GLOSSARY



3. REMOTE GLOSSARY



4. ASSEMBLY

4.1 REMOTE

The control is simply clipped onto the handle of the paddle at selected height. It must be mounted parallel to the paddle and point towards the driver.

4.2 E-FIN

To mount the E-Fin, turn the SUP/board on its back so that the fin mount is facing up. Depending on the fin mount on your board, choose the right system and screw the adapter onto the E-Fin with the three screws and allen key provided. Make sure to tighten the screws only lightly and without great force so as not to damage the adapter. The E-Fin then can be attached to your board.

4.3 US-FINBOX SYSTEM

The US finbox system has a standardized fin box. Here the fin is fixed in the box with a small washer and a screw. The whole thing works without tools, as the screw can be screwed in by hand. This system requires some dexterity to get the plate through the fin. The more often the fin is installed, the easier it will become.

4.4 SLIDE-IN SYSTEM

This system is very easy to assemble. The fin is simply pushed into the box and then secured with the small pin (on the strap).



Note: The E-Fin is not compatible with carbon reinforced boards and sinkers, as both can cause radio interruptions between the E-Fin and remote.

5. INSTALLATION

5.1 TURN ON AND OFF

The fin turns on when it is immersed in water with the charging port. The fin switches off when it is removed from the water. The control is on in the rotary wheel position „AUTO“ or „MAN“ and off in the rotary wheel position „OFF“.



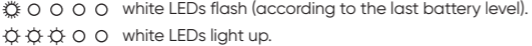
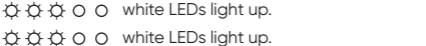
Note: In order to switch on the E-Fin it must be completely in the water.

5.2 CONNECTION BETWEEN REMOTE AND E-FIN

The E-Fin is delivered already coupled. However, if the E-Fin needs to be coupled again for any reason, please refer to chapter „6. 6. Menu item 2: Pair E-Fin(s)“ on page 13.

5.3 BATTERY LEVEL INDICATOR

The battery runtime can be checked via the remote. The upper row of LEDs shows the battery level of the E-Fin, the lower row of LEDs shows the battery level of the remote.

- a. The remote is on, but the E-Fin is off:
 white LEDs flash (according to the last battery level).
The battery level is shown by the number of LEDs lit up.
- b. The remote and E-Fin are on:
 white LEDs light up.
The battery level is shown by the number of LEDs lit up.
- c. The 6 battery states:
If the devices are full, all 5 LEDs light up white. If the battery level is reduced, the LEDs also go down. If the battery level is very low and the devices should be charged, only one red LED will light up in the display.

5.4 E-FIN CHARGING AND CONTROL

Both devices have a battery-saving charging time of 3 hours. The charging time of the E-Fin and the controller can also vary here. Charging is done via the included charging cables with the corresponding power supply unit.



Warning: Never leave the E-Fin/remote unattended when charging.



Note: If the temperature of the E-Fin is above 45 °C, charging is inhibited until the temperature is below the limit of 45 °C. If the charging time is over 3 hours, this case has occurred.

- a. The supplied charger should be checked regularly for damage to the cable, plug, housing and other parts. If there is any damage, do not charge the E-Fin until the charger has been repaired or replaced.
- b. Do not expose the charger to moisture or extreme humidity. Do not charge the JayKay E-Fin and the JayKay controller outdoors or in the rain. Dry the charging ports before charging.
- c. Stop charging if charging of the E-Fin and/or remote is not completed in the specified time. Stop charging if the batteries become unusually hot, begin to smell, become discolored, become deformed or if you or if you notice anything unusual during use, charging or storage.
- d. Do not charge the E-Fin if the battery case is cracked, swollen, or shows other signs of damage. Discontinue use immediately and dispose of the the battery immediately.

6. INSTRUCTION

6.1 SELECT DRIVING MODE

Before switching the mode, the power regulator has to be at the very bottom on the lowest level. If the power regulator is NOT at the lowest level, the LEDs indicate with left running red LEDs that the regulator should be pushed down to activate the new driving mode.

„AUTO“ In the automatic function, the E-Fin supports the paddle stroke. Through the power regulator, the assisting force can be set strong (slider up) or weak (slider down).

„MAN“ When driving manually, the E-Fin responds permanently to the power control.

„OFF“ The control is switched off.

6.2 ADJUST POWER

By moving the power control you change the power.

6.3 OPEN MENU

To enter the menu, there is a „secret“ position on the rotary knob, exactly between the „AUTO“ and „MAN“ modes (see figure).



Note: Parental control
This position is not marked and is only found by active search.

If you want to get into the menu, the rotary knob must be set to the position shown between „AUTO“ and „MAN“.

- 1 LED in the lower row lights up blue when the position has been found.
- Hold position for 5 seconds until all 5 LEDs light up blue.
- Turn the rotary knob back to „MAN“.



6.4 NAVIGATE MENU

To navigate through the menu, the power controller must always be pushed up and back again. As a result, the red LED moves one field each time.

- Shows what menu you are in.
- Indicates that you are in the main menu.

To get into the submenu, the rotary knob must be turned to the „secret“ position and back to „MAN“.

6.5 MENU ITEM 1: SELECT POWER LEVEL

In this submenu you can choose between three power levels by sliding the power controller up and down again. The upper row of LEDs then shows:

- lowest power.
- medium power.
- highest power.

To confirm the selection, the rotary knob must be turned to the „secret“ position and back to „MAN“.

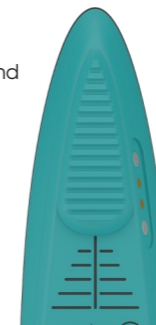
6.6 MENU ITEM 2: PAIR E-FIN(S)

Up to 5 fins can be connected to one remote.




Important: The E-Fin(s) must ALWAYS be plugged into the charger before connecting.

- the E-Fin can be connected with the remote now.
- Now the charging cable MUST be removed in order to connect the fin to the remote. After approx. 2 seconds:
- The E-Fin is connected with the remote now.



If further E-Fins are to be connected to the same remote, proceed as follows:

- a. Stay in the same submenu. Attach the fin to the net.
- b. Move the power controller up and down, then you can activate another fin. Another LED lights up yellow.
 The second E-Fin can be connected to the remote control now.
- c. Remove the cable again and connect the fin and remote control to each other.

Proceed in the same way with all other fins.

To exit the menu, turn the rotary knob to the „secret“ position and back to „MAN“.

6.7 MENU ITEM 3: CALIBRATE POWER CONTROLLER

Note the top row of LEDs:

- a) The red LEDs run to the right:
The power regulator must be pushed all the way up.
- b) The red LEDs run to the left:
The power regulator must be pushed all the way down.

6.8 MENU ITEM 4: SOFTWARE UPDATE

Only relevant after consulting JayKay Service at service@jaykay-sport.de.

6.9 EXIT MENU

To exit the menu, turn the mode dial to the „secret“ position and back to „MAN“.

The menu will then close automatically.

7. MAINTENANCE, REPARATION, DISASSEMBLY & STORAGE



Warning: If you do not follow the safety instructions, there is a risk of fire, electric shock and other injury, or damage to the JayKay E-Fin, the JayKay remote and other objects may be damaged.

- a. Do not attempt to disassemble the product without consulting JayKay's service department. If your device requires service, contact JayKay support at service@jaykay-sport.de.
- b. Modifications to the product that have not been expressly approved by JayKay may void the warranty.
- c. Do not subject the batteries to impact by dropping or throwing the product.
- d. Do not throw the product or battery into a fire, as this could cause an explosion
- e. Do not short-circuit the battery by bringing the connector terminals into contact with other metal objects. This could cause injury or fire and could also damage the battery.
- f. Your device contains an internal rechargeable lithium-ion battery that poses a fire or chemical burn hazard if mishandled.
- g. Do not charge or use the device in a location where the temperature may exceed 45 °C (113 °F).
- h. Do not expose the fin to direct sunlight.
- i. Rinse the fin with fresh water after EACH use and rub the loading ports dry.
- j. Make sure that the battery level is about 50 % before storing it for a long time.
- k. Store the product in a cool and dry place.

8. ENVIRONMENTAL ASPECT & DISPOSAL



Notes on the disposal of the product and the rechargeable batteries: We are registered as a manufacturer of electrical and/or electronic equipment under registration number DE 98465168 and as a manufacturer of batteries/accumulators under registration number 78713801 at Stiftung Elektro-Altgeräte Register, Nordostpark 72, 90411 Nürnberg, Germany.

Your device must not be disposed of with household waste. Please follow local regulations for the disposal of electronic devices. If this device shows signs of damage, such as bulging, swelling, or deformation, discontinue use and contact customer support immediately.

- Dispose of used batteries according to the applicable local disposal regulations for batteries and rechargeable batteries.
- Never dispose of used batteries together with conventional waste.
- Batteries contain toxic substances.



9. WARRANTY

9.1 WARRANTY ON THE E-FIN

This E-Fin is covered by a 24-month manufacturer's warranty that covers defects in workmanship and materials. It does not cover damage due to improper use, carelessness or accidents.

If the E-Fin has a manufacturing defect within 24 months of shipment, contact service@jaykay-sport.de before returning the product for return authorization.

9.2 WARRANTY ON BATTERIES

Our warranty period on the battery is 12 months.

9.3 RETURNING THE PRODUCT UNDER WARRANTY

Please keep your shipping box. The warranty does not cover damage caused by returning the product in inadequate packaging.

10. DOWNLOADS

On our website under „Downloads“ we have summarized the most important documents for downloading:

10.1 ENGLISH



11. DISCLAIMER

Before using any JayKay product, we strongly recommend that you familiarize yourself with local regulations and country-specific laws. Ultimately, you are responsible for compliance with all applicable laws and regulations, and JayKay assumes no liability with respect to your use of JayKay products.

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