

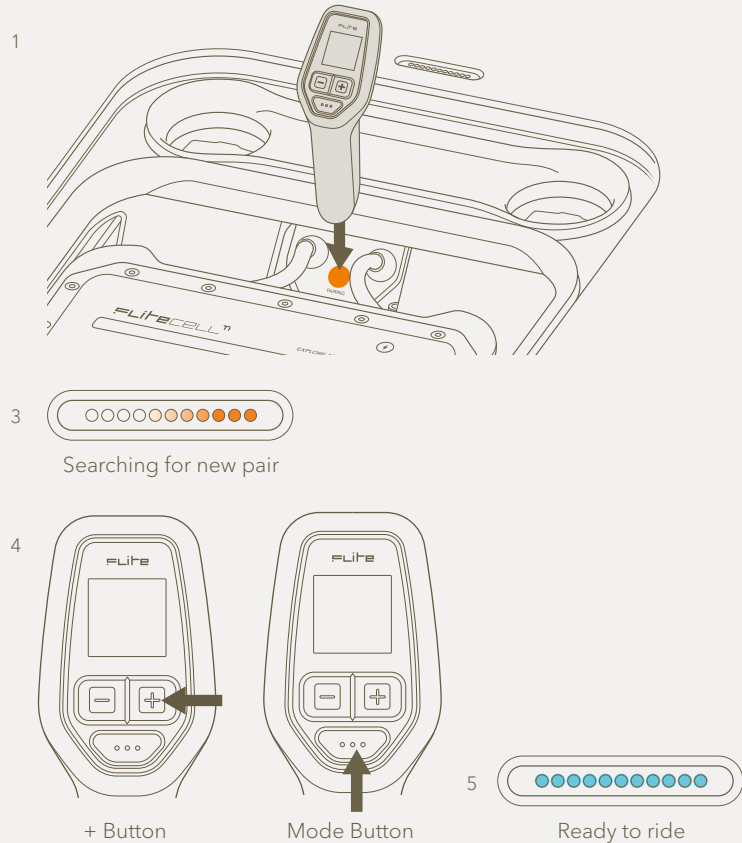
Flite Controller pairing procedure

- 1 Ensure Flitebox power cables are connected to Flitecell. Close the lid and wait for the audible beep indicating the board is switched on.
- 2 Open the Flitescooter lid and place the base of the Flite Controller on the pairing target of the Flitebox (between the Flitecell cables). Note: With the lid open, the system will shut down after 10 seconds.
- 3 Once the LED lights change to scrolling orange, remove the Flite Controller from the pairing target and close the lid.
- 4 Set the controller into pairing mode by holding the + button for 7 seconds until the words 'PRESS MODE TO COMMENCE PAIRING' appear. Then press mode button to confirm. The words 'LOOKING FOR NEW PAIR' will appear.
- 5 Once paired successfully, the LEDs will change to a light blue colour.
- 6 Fasten the latches once paired successfully.

Troubleshooting: If the lights are not solid blue, or the battery icon on your Flite Controller is crossed out, this indicates that the Flitecell has not paired, and the process needs to be repeated from Step 1.

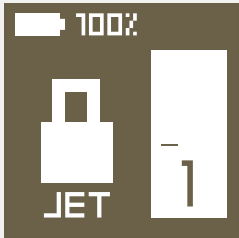
The Magnetic Clip can be used to keep Flitecell activated longer than 10 seconds. Remove once paired.

DO NOT HOLD THE FLITE CONTROLLER IN THE PAIRING POSITION FOR MORE THAN 30 SECONDS. HOLDING THE FLITE CONTROLLER IN THIS POSITION WILL PUT THE BOARD INTO SOFTWARE UPDATE.



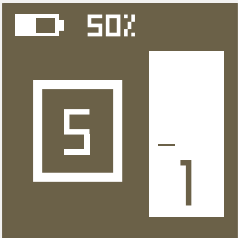
Flitebox light	Flite Controller meaning	
	Light blue solid	Ready to ride
	Red flashing	Alert (high temp, tilt, overcurrent, system error)
	Blue flashing	Armed
	Blue chasing	Motor running
	Orange flashing	Disconnected Flitecell / Controller
	Orange chasing	Searching for new pair Flitecell / Controller
	Purple solid	Flite App connected
	Purple chasing	Flite App data transfer

Flite Controller screen guide



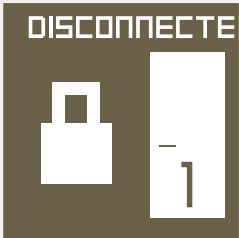
Motor locked

Ready to arm.
Flitecell 100% charged
Gear set to 1
Jet propulsion selected



Motor armed

Motor unlocked with 5 seconds
to squeeze the throttle trigger.
Flitecell charge 50%



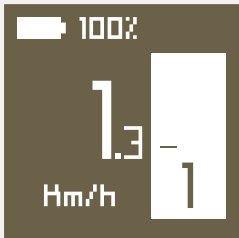
Disconnected (scrolling)

Flite Controller is not
connected or under water.
Hold plus for 7 seconds
until Flite Controller displays
LOOKING FOR NEW PAIR.



Looking for new pair
(scrolling)

Flite Controller is
looking for a new pair.



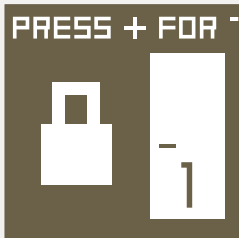
Current Speed / Gear

Speed 1.3km/h
Gear 1



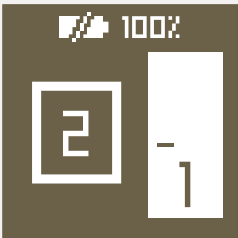
Distance

Travelled 6.4kms
Remaining 24.7kms
Current Speed 23.6km/h



Pairing required

Flite Controller is not paired.
Hold plus for 7 seconds
until Flite Controller displays
LOOKING FOR NEW PAIR.



Battery not paired

Repeat pairing process
(see page 32).



Time

Elapsed 60mins
Remaining 12mins
Current speed 23.6km/h



Speed

Maximum 35.1km/h
Average 13.2km/h
Current speed 23.6km/h



Diagnostics

Flitecell kilowatts 1.5
RPM x 1000 = 2,100
ESC Temp 40°C
Flitecell Temp 40°C
Flitecell Charge 100%
Current Speed 23.6km/h



Efficiency

60 Wh/km
Flitecell charge 100%
Current speed 23.6km/h

Flite Controller screen guide



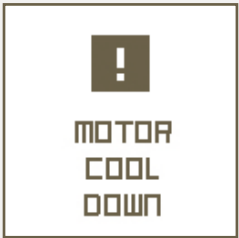
Charge remaining

Flitecell 98%
Flite Controller 66%



Flite Controller charging

Flite Controller currently
at 10% state of charge.



Motor Cool Down

The motor needs to cool
down. Flitescooter is
limited to low gears for
1 minute to allow motor
to cool.



High Temp

Flitecell is too hot.
Ride using low power
to allow Flitecell to cool,
otherwise Flitecell may
shut down.



50% Flitecell warning

Flitecell has 50% (or less)
remaining charge.



Flitescooter tilted

Flitescooter is disabled
due to the tilt angle.



Flitecell charge critical

Flitecell charge very low,
immediately return to
shore. Flitescooter is limited
to low gears only to
conserve charge.



Flite Controller low
charge

Flite Controller requires
charge. Ensure Flite
Controller is charged
above 50% each ride.



High Current

Motor Cool Down mode
will be activated if power
isn't reduced.



Testing Motor

To avoid accidental injury,
this feature prevents
the motor from being
turned on fully and any
overheating to seals, when
the board is on land.

Settings

Flitescooter settings can be updated on the Flite App or the Flite Controller.

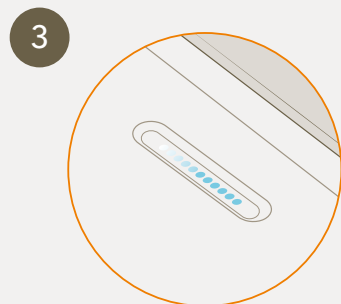
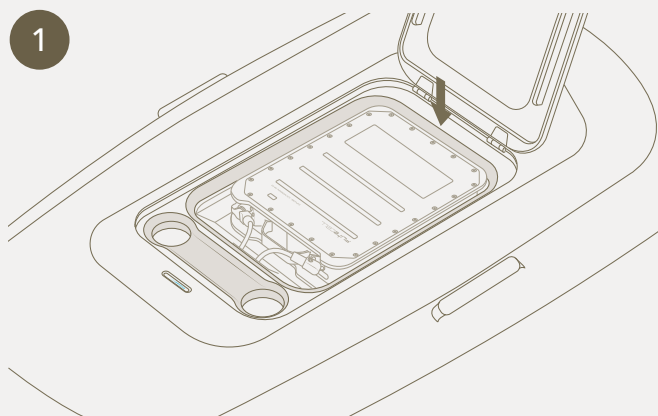
To change settings on the Flite Controller, hold the Mode button until the settings screen is displayed.

CONNECTING TO FLITESCOOTER WILL TRANSFER SETTINGS FROM THE APP (E.G. KNOTS AND MILES PER HOUR).

PLEASE BE AWARE THAT SPEED READOUT REQUIRES A GPS CONNECTION. IF YOU ARE RIDING WITH POOR GPS SIGNAL YOU MAY NOT BE ABLE TO SEE YOUR CURRENT SPEED.

Turning on Flitecell

- 1 Make certain nothing is caught in the seal. Carefully close the lid.
- 2 Twist and lock the two lid latches.
- 3 A few seconds after the lid is shut in position, you will hear a **'beep beep beep'** which signifies that the Flitecell and board have automatically turned on.
- 4 If the external board light is not active, open the lid and ensure the power cables are properly connected, and there are lights on the Flitecell indicating it is switched on.
- 5 Flitecell will automatically turn off 10 seconds after the lid is opened.



SEE PAGE 32 FOR PAIRING
FLITE CONTROLLER

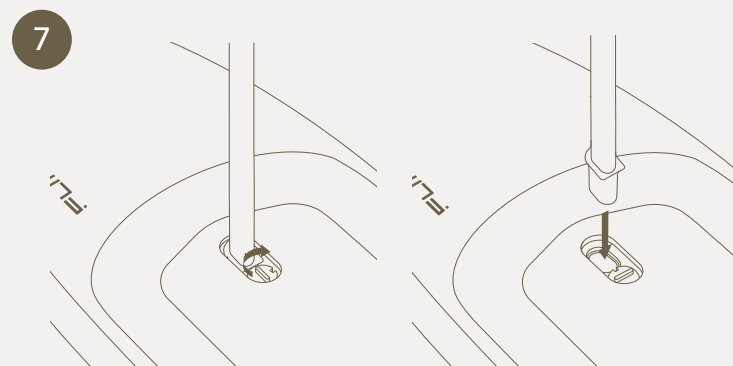
THE SEAL IS A CRITICAL COMPONENT. IF DAMAGED CONTACT YOUR FLITE AUTHORISED SERVICE PARTNER FOR A REPLACEMENT PART. NEVER RIDE THE BOARD WITH A DAMAGED SEAL.

THE FLITECELL AND CABLES ARE WATER RESISTANT; HOWEVER, ALWAYS KEEP FLITECELL, CABLES AND BOARD CAVITY DRY. WATER, ESPECIALLY SALT WATER, CAN ACCELERATE AGEING AND CORROSION. IF YOUR BOARD LEAKS, CHECK SEALS, AND CLEAN COMPONENTS CAREFULLY.

Connect the handlebars to Flitescooter

Flitescooter's excellent buoyancy allows you to step on from a dock or pontoon. If you are starting in the water, do step 2 and 3 from the shore, then float your board with the eFoil facing up to just over waist deep. From there, you can flip your Flitescooter and insert the handlebars.

- 1 Ensure the eFoil is paired to Flite Controller before going in the water.
- 2 Locate the handlebar cap and remove by gently pulling up.
- 3 Turn the handlebars upside down and place the Flite Controller wrist strap over the bottom of the handlebars. Carefully slide the wrist strap to the very top by holding onto Flite Controller.
- 4 With your other hand, lift the latch on the back of the handlebars. Place Flite Controller into the cradle of the handlebars and close the rear latch.
- 5 Turn the handlebar lock counterclockwise so that the opening lines up with the handlebar cavity.
- 6 Check the handlebar cavity is free of sand and grit.
- 7 Insert the handlebars into the handlebar cavity. Turn the handlebar lock clockwise until it stops. This will keep the handlebars locked into place.



Flitescooter safety

We have implemented the following features to help you have a safe and enjoyable experience on Flitescooter:

- Draw Fly Zones on the app to help avoid shallow water
- Speed limited to 25km/h
- Wireless safety key to cut off power when you are not on the board

Select a suitable riding location

A location with a minimum 1 metre / 3.3 feet depth is essential. The wings and eFoil should never make contact with anything below the surface, including a sand bottom. Be aware of tide times, as well as submerged items such as branches, coral, boat chains and fishing lines. If you are unsure about the local area ask someone who knows the waterway for advice.

Choose a location away from swimmers and other water users and ensure local laws allow motorised craft to be used in the area.

Flitescooter should be used in smooth water without waves and currents. It is not designed for use in choppy water.

Flitescooter's excellent buoyancy allows you to step on from a dock or pontoon.

Ride time and range are dependent upon:

- Rider weight
- Average speed
- Water / wind conditions

ENSURING SAFE WATER DEPTH IS EXTREMELY IMPORTANT BEFORE RIDING. SELECT A LOCATION THAT HAS A MINIMUM DEPTH OF AT LEAST 1 METRE / 3.3 FEET.

ALWAYS MONITOR FLITECELL LEVELS WHILE RIDING AND TAKE CARE NOT TO DEplete THE FLITECELL BEFORE RETURNING TO YOUR POINT OF ORIGIN.

NEVER RIDE FLITESCOOTER FURTHER FROM SHORE THAN YOU ARE PREPARED TO SWIM BACK.



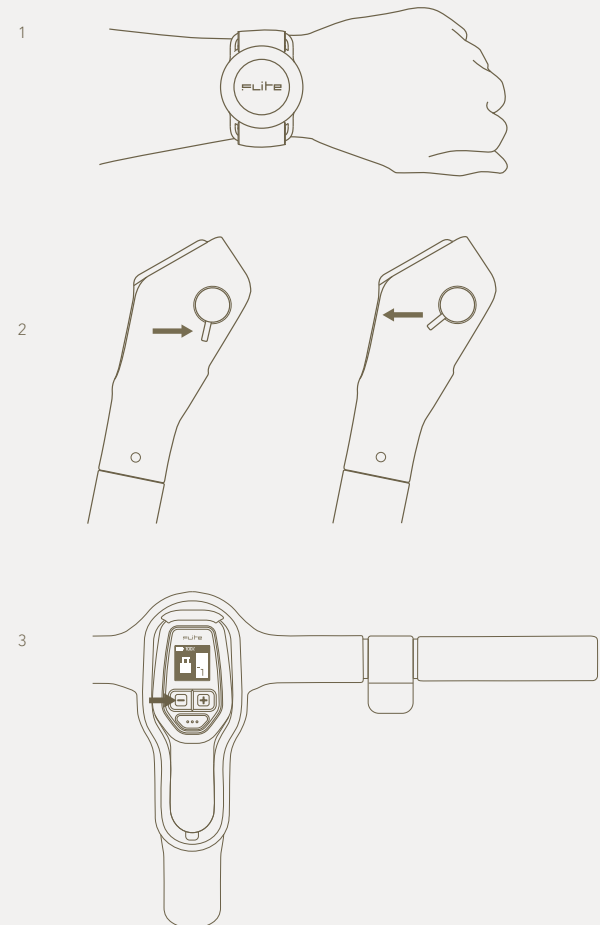
Watch our video tutorials at fliteboard.com/video

Arming the motor

Flitescooter uses a safety lock to guarantee that riders cannot accidentally spin the motor by bumping the throttle trigger unintentionally. Riders must arm (unlock) the motor to take Flite.

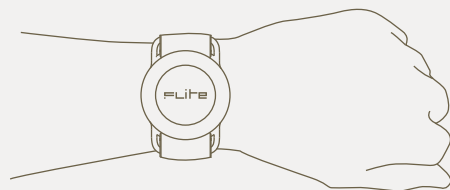
- 1 Before arming the motor ensure you are wearing a wireless safety key. The Flitescooter will cut off power when you are not on the board.
- 2 To arm the motor, press the thumb throttle all the way in and then release it completely.
- 3 Press and release the minus button.
- 4 Press the thumb throttle within the 5 second countdown window to activate Flite Jet. Always verify the eFoil is clear and in a safe location before activating the motor.

IMPORTANT: NEVER RUN THE MOTOR OUT OF WATER FOR MORE THAN 3 SECONDS, AS DOING SO CAN OVERHEAT AND DAMAGE THE SHAFT AND SEALS.



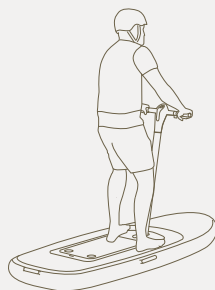
Riding Flitescooter for the first time

1 Wireless safety key

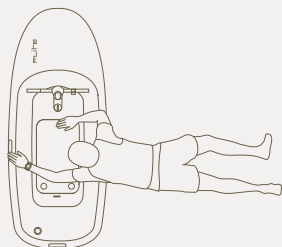


Press the face of the safety key to turn it on. You will now see 'Safety Key Detected' appear on Flite Controller.

2 Set 4 points of contact with hands and feet

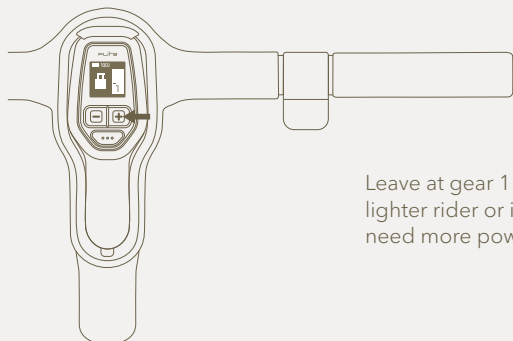


Stand with feet shoulder width apart.



You can simply step onto the Flitescooter from a dock or climb up from the side.

3 Check and set your gear

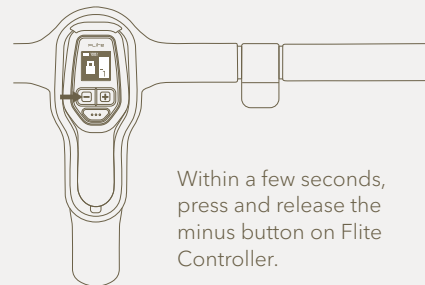


Leave at gear 1 if you are a lighter rider or increase if you need more power.

4 Arm the system

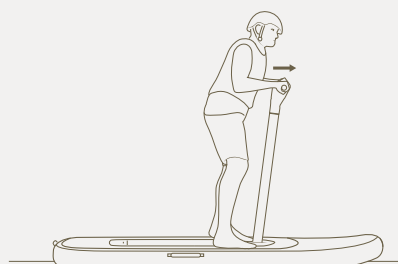


Press the thumb throttle all the way in and then release it completely.



Within a few seconds, press and release the minus button on Flite Controller.

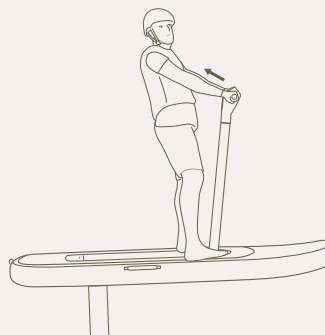
5 Gradually throttle to plane



Press the thumb throttle and push forward gently on the handlebars to keep the board flat until planing.

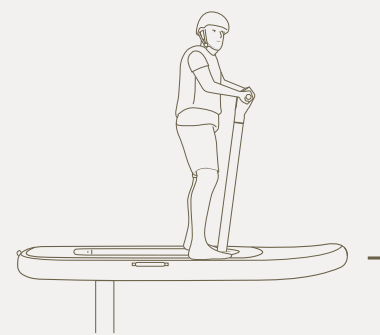
The Flitescooter is planing when it skims over the surface of the water.

6 Lean back to fly



Shift your weight back by softly pulling on the handlebars.

7 Level out



Push forward slightly to level out or touch down. You'll be up and flying in no time.

Flitescooter common mistakes

Flitescooter rides on wings that fly under water. Just like an airplane, Flitescooter needs sufficient and constant speed to avoid 'stalling' the wings, and must be flown level to avoid changes in altitude (which can cause a wing breach and splashdown). The three most common mistakes riders make when learning to Flitescooter are as follows:

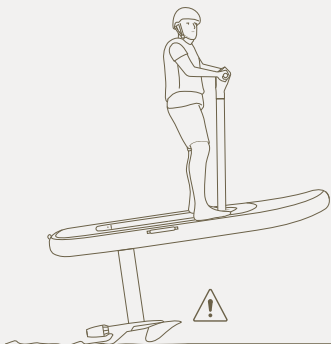
1 Taking off with insufficient speed

Pushing or pulling the handlebars changes the angle of the board above the water, and the wings below the water. Pulling back to fly with insufficient speed will 'stall' the wing, causing a splashdown. To avoid this common mistake, continue gently pushing forward on the handlebars (to keep the nose of the board and wing down) until at flying speed. Flying speed is generally 20km/h / 12.5mph or slightly faster for heavier riders.



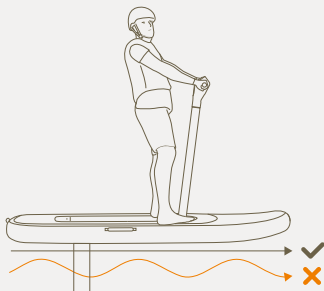
2 Flying too high

Once at sufficient flying speed, riders should take off smoothly by very gently shifting weight back and pulling back on the handlebars. Riders need to angle the nose of the board up a few degrees to take off, but then quickly return board and wing to level position to maintain constant altitude. The skill (and thrill) of Flitescooter is finding the right balance above the water. Pulling or leaning back too hard, or being too aggressive with the handlebars will cause a wing breach or stall, and will result in a splashdown.



3 Speed variations

The thrust from Flite Jet is part of the overall balance of the hydrofoil system. Make changes using the thumb throttle smoothly and slowly to maintain smooth and level flight. Varying speed too aggressively can disrupt balance and cause a wing breach, stall or splashdown.



Flitescooter pro tips

Fly as low as possible when learning and touch down often until confident.

Once foiling, be aware of your weight position to help keep the board level.

If you are taking off too quickly or aggressively, shift feet slightly further forward or change to a lower stabiliser shim number. If you are having to stand too far back to fly (heavier riders) shift to a higher shim number.

If you are having difficulty getting up to speed, increase your starting gear number.

Foiling through turns

Once comfortable flying in a straight line, you can steer by shifting weight from one foot to the other.

Start by doing very wide turns, using the handlebars to help you turn.

As you gain experience you can try tighter turns.

Keep speed constant through the turn.

All of this might sound complex, but if you keep your weight forward, fly in flat water, maintain constant speed, and take learning step by step, you will be foiling in no time.

RAPID RELEASE OF THE TRIGGER CAN CAUSE THE NOSE OF THE BOARD TO SUDDENLY DROP AND MAY CAUSE A CRASH.

Maintenance and storage

READ THROUGH THE ENTIRE STORAGE AND MAINTENANCE INSTRUCTIONS BEFORE STORING YOUR BOARD.

- 1 It is essential that your Flitescooter be serviced as per the 'Maintenance schedule' at the end of this User Guide to retain its high level of performance, safety and reliability, including warranty, as mentioned previously.
- 2 The service intervals are in hours of ride time or years, whichever comes first.
- 3 The service schedule and intervals assume you will use your Flitescooter in accordance with our guidelines.

Periodic checks

- 1 Ensure that you view our 'Care and Maintenance video' fliteboard.com/video before first using your Flitescooter.
- 2 Ensure that after each session, you visually inspect all elements of your Flitescooter including board, wings, mast, handlebars, Flitecell and Flite Controller for any damage or water ingress.
- 3 Ensure that you perform the 6 Month Flitecell Checklist located on the Support page of the website.
- 4 Ensure all connections are clean, free from corrosion and damage after each use.
- 5 Ensure the hinges have been rinsed with fresh water, are clean and free from corrosion or damage after each use.
- 6 Ensure the handlebars have been rinsed with fresh water, are clean and free from corrosion or damage after each use.

Maintenance schedule intervals

The hours / years intervals shown in the maintenance schedule section of the User Guide are intended as a guide. If you operate a Fliteschool then supplementary servicing may be necessary.

CAUTION: Avoid leaving your Flitescooter tied up in marinas or near vessels for extended periods of time. Any earth leakage from surrounding vessels can lead to accelerated corrosion of your eFoil components.

Please contact support@fliteboard.com for any queries or questions.

Flitescooter

Post ride

Open the board lid slowly, taking care to not let it fall on the nose of the board or the handlebars.

After each ride, check to see if any water has leaked into the Flitecell cavity.

If so, check the cause of the leak which may include: sand present on the sealing surface; a damaged or dislocated seal; damaged hinges or latches; or something obstructing the lid when closed.

Once the Flitecell has been removed ensure that the complete board, including Flitecell compartment, seals, hinges, lid and eFoil are washed thoroughly in fresh water.

Let the board air dry and then wipe down with a clean, dry absorbent cloth. Ensure that Contact Cleaner is sprayed onto all electrical connections.

Regular maintenance

Check the carbon core regularly for damage or cracks. If damage is present have it repaired by a professional surfboard or sailboard repairer. The inflatable bladder can be repaired using the supplied repair kit. 15 - 16 PSI is the recommended inflation pressure.

Inspect the orange mast flange seal regularly for any damage and ensure it is kept clean and free of any sand, grit or dirt.

During daily use ensure that the eFoil is removed from the board and wings from the eFoil at least every three days. Ensure Contact Cleaner is applied to all electrical connection points and Tef-Gel is reapplied to all screws.

Storage

Ensure that all sand, grit, dirt, and salt residue has been washed off with fresh water, and sufficiently dried. Ensure that the Flitecell has been wiped down with a clean, dry absorbent cloth while switched off.

Apply Contact Cleaner to all connectors to reduce the risk of corrosion.

Take care not to scratch the Flitescooter core.

Wash the inflatable bladder with warm soapy water and dry before storage. The inflatable bladder can remain inflated, or be deflated and stored on or off the carbon core to suit your storage preference.

Place your Flitescooter in the provided bag, then store in a clean and dry environment.

Keep the board and bag out of the sun.

eFoil system

Post ride

Disconnect the Flitecell power cables.

Rinse thoroughly with clean fresh water after every use.

Rinse the inside of the mast (through the notch in the rear of the flange) with fresh water.

Rinse around the mast flange to wash salt away from the board connection area (if keeping the board and eFoil attached).

Regular maintenance

Disassemble the eFoil from the board.

Remove the wing, fuselage cover and tail, and clean thoroughly with fresh soapy water to remove any built-up salt or sand.

Storage

Always store the eFoil in a clean, dry environment.

Flite Controller and handlebars

Post ride

Remove the Flite Controller from the handlebars. Rinse the Flite Controller and handlebars with fresh water to clean away salt and debris. Ensure a steady stream of fresh water is applied directly into the trigger housing. While doing so press and depress the trigger and thumb throttle numerous times to loosen any sand, grit or debris that may affect its performance.

Peel out the rubber cover on the underside and clean this with fresh water. Ensure this area is dry before replacing the cover.

Regular maintenance

Pre and post season, the 3 torque screws on the underside of Flite Controller can be undone to release the trigger. This will allow you to thoroughly clean and inspect the trigger, spring and magnet. Regularly check that the Flite Controller trigger and handlebar throttle can move freely.

Storage

Store in a cool dry place, out of the sun.

Flitecell

Post ride

Wipe Flitecell down with a wet cloth (freshwater), and clean Flitecell contacts and data connector with Contact Cleaner.

Flitecell is waterproof but it should remain dry where possible. DO NOT submerge or shower.

Avoid placing Flitecell on the sand, which can make its way into the Flitecell cavity and scratch surfaces.

DO NOT charge the Flitecell immediately after use. The Flitecell temperature may be too high. Allow 30 minutes between riding and charging to allow for cooling.

DO NOT clean the Flitecell or charger with denatured alcohol or other flammable solvents.

IF THE BOARD HAS LEAKED AND / OR THE FLITECELL HAS BEEN SUBMERGED IN WATER, INSPECT FOR WATER INGRESS USING THE SIGHT GLASS LOCATED ON THE SIDE OF THE FLITECELL. STAND THE FLITECELL UP ON ITS BOTTOM END FOR ONE MINUTE AND THEN PLACE THE FLITECELL ON ITS SIDE WITH THE SIGHT GLASS FACING DOWN FOR ONE MINUTE. INSIDE THE SIGHT GLASS IS A COLOUR CHANGING LABEL WHICH WILL TURN RED IF WATER IS PRESENT. INSPECT THE SIGHT GLASS AND CONFIRM THAT WATER IS NOT PRESENT BEFORE CHARGING AND USING A FLITECELL THAT HAS BEEN IMMERSSED IN WATER.

IF A FLITECELL HAS BEEN DROPPED OR DAMAGED, CONTACT FLITE IMMEDIATELY AND DO NOT USE THE FLITECELL.

Regular maintenance

Examine the charger regularly for damage to the cord, plug, enclosure or other parts.

Storage

Keep Flitecell stored out of the reach of children and pets.

DO NOT store the Flitecell near heat sources such as a furnace or heater. DO NOT leave the Flitecell inside of a vehicle on hot days. The ideal storage temperature is 10°C – 25°C.

Do NOT store the Flitecell whilst charging. Disconnect the charger when not in use.

DO NOT store the Flitecell fully charged or discharged for a longer period of time.

For long or short term storage a charge state of 40% (1 LED ON indicates 25 - 35% charge) is optimal. Only fully charge the Flitecell when planning a ride. We recommend that you discharge the Flitecell during your final session of the season and charge back up to the above state.

Troubleshooting

Issue	Troubleshooting guide
Flitescooter starts to slow or 'limp'	This is a sign your Flitecell is about to run down or over heat. Move out of the water and recharge your Flitecell. Refer to the Flitecell charging instructions (page 18).
Flitescooter turns off while riding	Move out of the water to a safe, dry, clean area. Check the LED on Flitecell to confirm if it still has charge. If it has charge, disconnect and reconnect the Flitecell to see if you can establish a connection. Inspect the Flitecell for water or damage. There should be no water inside the Flitecell housing.
Flite Controller disconnects	Re-arm the Flite Controller. See arming instructions (page 32).
Flite Controller unpairs	Re-pair the Flite Controller. See pairing instructions (page 32).
Flitecell charger won't connect	Disconnect and reconnect. Contact Flitescooter Customer Support. fliteboard.com/support
Flite Controller won't turn on	Ensure Flite Controller is fully charged. See Flite Controller charging instructions (page 17).
Flite Controller shows a battery or temperature warning	Slow down or decrease power consumption to cool the Flitecell down. The Flite Controller will warn you when the Flitecell temperature reaches 55°C and again at 60°C. At 65°C the Flitecell will automatically start to shut down to preserve itself.

Issue	Troubleshooting guide
Flite Controller shows 'Safety Key Not Found'	Flitescooter needs the wireless safety key to operate. Press the face of the wireless safety key to turn it on. If an LED does not appear on the face, replace the coin cell battery within by strictly adhering to the safety warning (page 9).
Water in the Flitescooter cavity	Remove the board from the water. Remove the Flitecell. Dry the board completely. Check the Flitecell for leaks. If the Flitecell has taken in water refer to the section below. Once dried and re-assembled, take care that the Flitescooter cavity seal is properly compressed when closing the Flitescooter lid.
Water in Flitecell	Flitecell has an indicator for water damage. If water has penetrated the casing, regularly check the circular water indicator on the side of your Flitecell. If the sticker has turned red, this means water has penetrated the housing. IF WATER HAS PENETRATED THE FLITECELL, PLEASE SET FLITECELL ASIDE IN A COOL DRY PLACE. DO NOT ATTEMPT TO USE A FLITECELL THAT HAS BEEN WATERLOGGED. CONTACT FLITE IMMEDIATELY.
Unable to pair Flite Controller	Please ensure no other controllers or boards are switched on. Try again as per pairing instructions (page 32).
Unable to pair Flite Controllers to multiple boards	Do not attempt to pair multiple Flite Controllers to multiple Flitescooters simultaneously. Always pair one at a time.
Reduced ride time	The battery management system (BMS) balances and optimises the Flitecell during each charge cycle. Allow 24 - 48 hours after charging before Flitecell use.

Technical specifications

Load range	RECOMMENDED	WARRANTY LIMIT
Flitescooter with Flite Jet	120kg / 265lbs	120kg / 265lbs

Ride time 85kg rider	Up to 1 hr 30 min (Flitecell Explore) Using a large wing at slow foiling speed, it's possible to ride for over 2 hours.		
----------------------	---	--	--

Board details	KG	LBS	MEASUREMENTS	L
Flitescooter	16	35	2130 L x 880 W x 150mm D (83 5⁄64" x 34 4¹⁄64" x 5 2⁄32")	237
Handlebars	1.9	4.2	1230 L x 540 W x 110mm D (48 2⁄64" x 21 1⁄64" x 4 2¹⁄64")	

Travel case	MEASUREMENTS		
Flitescooter	1290 L x 640 W x 3450mm D (50 2⁄32" x 25 1³⁄64" x 13 2⁄64")		
eFoil case	1100 L x 640 W x 260mm D (3'8" x 2'2" x 10")		
Flitecell travel bag	450 L x 370 W x 90mm D (5'3" x 2'3" x 3' 5⁄8")		

Flitescooter core

Materials	Carbon fibre, Innegra, fibreglass, aircraft grade aluminium, high quality wood laminates and composites.
-----------	--

Flitescooter materials

Type	Inflatable
Materials	Selytech Composite Super Light Drop Stitch Fabric / PVC / EVA
Pressure	15 – 16 PSI

Flite eFoil system

Input power	5,000 Watts
Max output power at shaft	3,600 Watts
Nominal voltage	52V
Maximum current	100A
Motor type	Brushless
Motor speed	4500 rpm peak
Protections	Overheating, overcurrent
Flite Jet diameter	90mm

Flite Controller

Communication type	Bluetooth
Speed control	20 virtual gears
Runtime	Average charge 24 hrs / Standby 200 hrs
Rated cycles	1000 charge cycles
Protection grade	IP67

Flitecell Fast Charger

Charging current	25A
Charge time	1hr 45min Flitecell Explore 1hr 15min Flitecell Sport

Flitecell Charger

Charging current	13.5A
Charge time	2hr 30min Flitecell Explore 1hr 45min Flitecell Sport

Flitecell Explore

Size	390mm x 305mm x 80mm (15" x 12" x 13")
Capacity	40Ah / 2016Wh
Weight	14.5kg / 32lbs
Protection	IP67
Max charge voltage	58.8V
Min voltage	42V
Nominal voltage	50.4V
Rated continuous discharge current	100A
Rated charge current	25A
Rated cycles >80% capacity	400 Cycles
Temperature discharge limits	0 – 70 Degrees C 32 – 158 Degrees F
Temperature charge limits	0 – 50 Degrees C 32 – 122 Degrees F
Communication	Bluetooth Low Energy
BMS critical functions	Balancing, Over-temperature (Charge / Discharge) Over-current, short-circuit protection, reverse polarity and over & under voltage.
Other safety	3 levels of fusing adds redundancy if BMS failure occurs. Conformal / resin coatings used on PCB's. Phase Changing Material between cells and sight glass to check for leaks.
Shipping and transport	Flitecell (batteries) are considered a dangerous good and must not be shipped without working with a dangerous goods shipping specialist. Shipping batteries marked as normal goods without informing the shipping party is illegal and dangerous. The Material Safety Data Sheet (MSDS) is required for shipping the batteries.

Flitecell Sport

Size	305mm x 305mm x 80mm (12" x 12" x 13")
Capacity	29.4Ah / 1487Wh
Weight	10.6kg / 23.4lbs
Protection	IP67
Max charge voltage	58.8V
Min voltage	42V
Nominal voltage	50.4V
Rated continuous discharge current	100A
Rated charge current	25A
Rated cycles >80% capacity	400 Cycles
Temperature discharge limits	0 – 70 Degrees C 32 – 158 Degrees F
Temperature charge limits	0 – 50 Degrees C 32 – 122 Degrees F
Communication	Bluetooth Low Energy
BMS critical functions	Balancing, Over-temperature (Charge/Discharge) Over-current, short-circuit protection, reverse polarity and over & under voltage.
Other safety	3 levels of fusing adds redundancy if BMS failure occurs. Conformal / Resin coatings used on PCB's. Phase Changing Material between cells and sight glass to check for leaks.
Shipping and transport	Flitecell (batteries) are considered a dangerous good and must not be shipped without working with a dangerous goods shipping specialist. Shipping batteries marked as normal goods without informing the shipping party is illegal and dangerous. The Material Safety Data Sheet (MSDS) is required for shipping the batteries.

Warranty registration / Details of purchase

Customer name

Business name
(if applicable)

Country & State

Purchased from

Date of purchase

Board type & serial number

eFoil ☐ 60cm

Propulsion ☐ Flite Jet

Flitecell type ☐ Explore ☐ Sport

eFoil serial number

Flitecell serial number(s)

Flite Controller serial number(s)

Flitecell Charger type & serial number

Maintenance schedule

FIRST 100 HOURS / 1 YEAR SERVICE

Inspected

☐ Mast

☐ Fuselage

☐ Flitebox

☐ Cables

☐ Handlebars

☐ Flite Jet

☐ Flitecell health

☐ Wireless safety key

☐ Flite Controller

Replaced

☐ Seals

☐ Oil

☐ Flitebox Gore vent

☐ Cables

☐ Handlebars

☐ Flite Jet

☐ Anode

☐ Safety key coin cell

☐ Flite Controller

Comments

eFoil Hours of use

Date

Name of Technician

Signature of Technician

Authorised Service Partner

Maintenance schedule
200 HOURS / 2 YEAR SERVICE

WHICHEVER COMES FIRST

Inspected	Replaced
<input type="checkbox"/> Mast	<input type="checkbox"/> Seals
<input type="checkbox"/> Fuselage	<input type="checkbox"/> Oil
<input type="checkbox"/> Flitebox	<input type="checkbox"/> Flitebox Gore vent
<input type="checkbox"/> Cables	<input type="checkbox"/> Cables
<input type="checkbox"/> Handlebars	<input type="checkbox"/> Handlebars
<input type="checkbox"/> Flite Jet	<input type="checkbox"/> Flite Jet
<input type="checkbox"/> Flitecell health	<input type="checkbox"/> Anode
<input type="checkbox"/> Wireless safety key	<input type="checkbox"/> Safety key coin cell
<input type="checkbox"/> Flite Controller	<input type="checkbox"/> Flite Controller

Comments

eFoil Hours of use	Date
--------------------	------

Name of Technician

Signature of Technician

Authorised Service Partner

Maintenance schedule
300 HOURS / 3 YEAR SERVICE

WHICHEVER COMES FIRST

Inspected	Replaced
<input type="checkbox"/> Mast	<input type="checkbox"/> Seals
<input type="checkbox"/> Fuselage	<input type="checkbox"/> Oil
<input type="checkbox"/> Flitebox	<input type="checkbox"/> Flitebox Gore vent
<input type="checkbox"/> Cables	<input type="checkbox"/> Cables
<input type="checkbox"/> Handlebars	<input type="checkbox"/> Handlebars
<input type="checkbox"/> Flite Jet	<input type="checkbox"/> Flite Jet
<input type="checkbox"/> Flitecell health	<input type="checkbox"/> Anode
<input type="checkbox"/> Wireless safety key	<input type="checkbox"/> Safety key coin cell
<input type="checkbox"/> Flite Controller	<input type="checkbox"/> Flite Controller

Comments

eFoil Hours of use	Date
--------------------	------

Name of Technician

Signature of Technician

Authorised Service Partner

Maintenance schedule
400 HOURS / 4 YEAR SERVICE

WHICHEVER COMES FIRST

Inspected	Replaced
<input type="checkbox"/> Mast	<input type="checkbox"/> Seals
<input type="checkbox"/> Fuselage	<input type="checkbox"/> Oil
<input type="checkbox"/> Flitebox	<input type="checkbox"/> Flitebox Gore vent
<input type="checkbox"/> Cables	<input type="checkbox"/> Cables
<input type="checkbox"/> Handlebars	<input type="checkbox"/> Handlebars
<input type="checkbox"/> Flite Jet	<input type="checkbox"/> Flite Jet
<input type="checkbox"/> Flitecell health	<input type="checkbox"/> Anode
<input type="checkbox"/> Wireless safety key	<input type="checkbox"/> Safety key coin cell
<input type="checkbox"/> Flite Controller	<input type="checkbox"/> Flite Controller

Comments

eFoil Hours of use	Date
--------------------	------

Name of Technician

Signature of Technician

Authorised Service Partner

Maintenance schedule
500 HOURS / 5 YEAR SERVICE

WHICHEVER COMES FIRST

Inspected	Replaced
<input type="checkbox"/> Mast	<input type="checkbox"/> Seals
<input type="checkbox"/> Fuselage	<input type="checkbox"/> Oil
<input type="checkbox"/> Flitebox	<input type="checkbox"/> Flitebox Gore vent
<input type="checkbox"/> Cables	<input type="checkbox"/> Cables
<input type="checkbox"/> Handlebars	<input type="checkbox"/> Handlebars
<input type="checkbox"/> Flite Jet	<input type="checkbox"/> Flite Jet
<input type="checkbox"/> Flitecell health	<input type="checkbox"/> Anode
<input type="checkbox"/> Wireless safety key	<input type="checkbox"/> Safety key coin cell
<input type="checkbox"/> Flite Controller	<input type="checkbox"/> Flite Controller

Comments

eFoil Hours of use	Date
--------------------	------

Name of Technician

Signature of Technician

Authorised Service Partner

**Congratulations on becoming
a Flitescooter owner.**

Now it's time to get out there and
experience the freedom of Flite.

