

awake

UM-VG_3.4/EU-GLOBAL



VINGA Efoil

Operation / Product Safety / Conformity

Foreword

Please read this manual carefully before you start using the Awake VINGA. Ignoring the instructions in this operating manual can cause damage and significant personal injury. Awake accepts no liability for any damage caused by actions that contradict this operating manual. The Awake VINGA is designed to be operated by a person (rider or operator) sitting, standing or kneeling.

Only allow adults who are in good physical condition and mental health, and not under the influence of any substance (alcohol and/or other drugs), which may impair vision, dexterity and/or judgement, and have been fully instructed on and have understood how to operate or use the electric watercraft.

Never attempt to repair or open the Awake VINGA by yourself. Any procedures not covered or described in this manual are only to be carried out by an authorized technician at your nearest dealership or by Awake.

How to Awake

Get started and find out more about how you can optimize your Awake experience through our digital platforms.

Scan the QR-codes with your smart device to access setup guides, digital user guides, technical specifications, tutorials and more.

Manually access our digital platforms:

- support.awakeboards.com
- www.awakeboards.com
- www.youtube.com/@AwakeBoards

Video tutorials



Support platform



General and important symbols and labels

In the manual you find these symbols and signs. Information of particular importance is distinguished in the following ways:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



A WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

NOTICE

A NOTICE indicates special precautions that must be taken to avoid damage to the electric watercraft or other property, or to inform about (but are not limited to) legal parameters, guarantee and warranty information.

On all Awake products, ISO and ANSI standards are followed regarding warning symbols:



ISO 7010 M002
Read manual
before use!



ISO 7010 P042
Not for pregnant
women!



ISO 7010 P043
Not for people
in the state of
intoxication!



ISO 7010 M053
Wear personal
flotation device!



ISO 7010 M014
Wear head
protection!



ISO 7010 W001
General Warning!



ISO 7010 W012
Shock Warning!



ISO 1046
Propeller warning!

To the owner of The Awake VINGA

Congratulations on becoming the proud owner of an Awake VINGA eFoil! The Awake VINGA is an innovative water sports product that allows you to experience the thrill of surfing independently of waves or boats.

The Awake VINGA is emission-free due to the electric jet propulsion system and is proudly designed and developed in Scandinavia.

Familiarize yourself with all the information provided in this manual as there is an inherent risk involved in operating any electric hydrofoil and any motor-powered electric watercraft. This manual should be considered a permanent part of this electric watercraft and should remain with it even if the electric watercraft is sold or changes ownership.

Awake constantly strives towards the improvement of our products and technology. As a result, Awake reserves the right to change or modify any information provided in this manual, including specification, at any time without prior notice. The specifications and functions described in this user manual may differ from those delivered at the time you received your product. Be sure to, on a frequent basis, visit www.awakeboards.com (Awake's website) to read and download the latest version about specifications and functions.

This User Manual cannot anticipate every circumstance involved in owning or operating the Awake VINGA. Awake cannot anticipate all types of activities or negligent performance that may result in injury, death or damage. The operator accepts full responsibility for the use of the Awake VINGA in a safe and sensible manner. Pay special attention to surroundings at all times to avoid accidents.

Ride Awake strongly encourages owners and operators to regularly review the information provided by the relevant local authority, i.e. laws and regulations pertaining to the use of personal electric watercraft, such as the local coast guard or the relevant authority regulating the laws pertaining to the use of personal electric watercraft with particular attention to information provided for personal electric watercraft.



Table of Contents

How to Awake	2
General and important symbols and labels	3
To the owner of The Awake VINGA	3
1 General Safety	5
2 Inventory	8
3 Setup	9
4 Operation	15
5 Accessories	19
6 Transport and Storage	19
7 Maintenance	21
8 System Notifications	22
9 Warranty	23
10 Technical Specifications	24
11 Contact	29

1.1 General safety

1.1.1 Operational Safety and Rider Constraints

Skill level and assumption of risk: The Awake eFoil is an extreme sports product. Operating this watercraft beyond your personal skill level increases the risk of severe injury, property damage, or death. By operating this product, the user acknowledges and assumes all inherent risks.

Age and Supervision Requirements

The recommended minimum operator age is 16 years. Operators under 18 years of age must be directly supervised by an adult at all times.

Speed Restriction

Operators under 16 years of age (where permitted by local law) must restrict the watercraft to Power Level 5.



Physical and Medical Prerequisites

- Operators must be able swimmers.
- Do not operate under the influence of alcohol, drugs, or medications that impair motor skills or judgment.
- Do not operate if you are pregnant, use a pacemaker (maintain at least 50cm / 20 in safety distance from magnetic components), or are recovering from head, neck, spinal, or severe physical/mental conditions.

Pre-Ride Inspection

Always inspect the board, powertrain, and battery before use. Never operate a watercraft or component that is suspected to be damaged, dropped, or malfunctioning.

1.1.2 Personal Protective Equipment (PPE)



Personal Flotation Device (PFD) / Life Vest

US Compliance: Must wear a US Coast Guard (USCG) Approved Type III or Level 70 (or higher) PFD.

EU Compliance: Must wear a CE-approved ISO 12402-5 (Level 50) buoyancy aid or higher. Awake recommends a self-righting PFD (Level 100+) to clear airways if unconscious.



Helmet Safety

Always wear a full-face marine/water sports helmet protecting both the head and face.



WARNING

WARNING: Helmets reduce the risk of impact injuries on the board or debris but introduce a risk of “bucketing” (water catching inside the helmet during high-speed falls). This can cause severe neck strain, choking, or cervical spine injury. Ensure proper fit and use according to the manufacturer’s instructions. Helmets may also reduce peripheral vision and situational awareness.

Protective Clothing

Always wear close-fitting protective attire, such as a neoprene wetsuit. Casual swimwear does not provide adequate protection. High-speed falls can force water into body cavities, causing severe internal injuries. Wetsuits also mitigate friction burns, cuts, and hypothermia.

Impact protective gear for the elbows, knees, and abdomen is highly recommended.

Entanglement Hazard Mitigation

Secure all loose items before riding. Long hair (longer than shoulder length) must be fully contained in a swim cap or hairnet beneath the helmet. Do not wear loose jewelry, straps, or loose clothing that could become entangled in the driveline.

1.1.3 Safe riding practices environmental awareness

Maintain continuous 360° situational awareness of marine traffic, swimmers, obstacles, wildlife, and changing shoreline conditions.

Operational Bounds

Always stay within swimming distance of the shoreline so you can safely swim back if the watercraft ceases to function. Do not ride in narrow canals, swimming zones, high-traffic commercial waterways, or unfamiliar shallow waters.

Falling Safely

If losing balance, always attempt to fall away from the board toward the rear or sides. Falling onto or directly in front of the board increases the risk of impact with the hydrofoil, fuselage, or board edges. Protect your face, head, and neck with your arms during a fall.

Safety Leashes and Cut-off Switches

The Power Key Leash (PKL) must be securely fastened to your PFD or body before placing the magnet on the board. The PKL acts as an emergency engine cut-off. Secure the hand controller lanyard to the wrist of the hand holding the controller.

NOTICE

When the PKL is disconnected, the craft will lose power but may coast forward up to 30 meters / 100 feet due to residual momentum and weight. Be aware of the risk of leash entanglement.



1.2 Collision avoidance and speed restrictions

1.2.1 Defensive driving

Scan constantly for hazards. Take early, decisive, and visible actions to avoid other vessels. The eFoil does not have brakes; stopping distance depends entirely on drag after power cut-off.

1.2.2 Proximity limits

Do not operate within 50meters / 165feet of swimmers, divers, shorelines, or stationary objects when traveling above planing speed 10kph / 6mph. Maintain a minimum distance of 100 meters / 300 feet from moving commercial vessels and ferries.

1.2.3 Right of way

eFoil operators have no special maritime privileges. You must yield to standard marine traffic and adhere to local Coast Guard and international COLREG rules.

1.2.4 Turning and speed controls

Avoid sharp, high-speed maneuvers. Sudden deceleration or extreme centrifugal force can eject the rider or damage the powertrain. Avoid abruptly releasing the hand controller trigger at top speeds

1.2.5 First-time use

New riders are recommended to start on Power Mode 3–5 and remain in Power level 3–5 until they can safely command and balance the watercraft. Practice mounting and boarding close to shore to prevent fatigue and hypothermia.

1.3 System and battery safety



HIGH VOLTAGE SYSTEM. RISK OF ELECTRIC SHOCK OR FIRE. DO NOT OPEN, SERVICE OR TAMPER WITH THE BATTERY PACK ENCLOSURE. VOIDS WARRANTY AND APPROVALS.

1.3.1 High-voltage electrical safety

Never connect, disconnect, or open the battery compartment while the board is in water, or if the board or connectors are wet. Assemble and service components exclusively in a dry environment.

Keep hands, fingers, hair, and clothing away from the propeller and intake grate at all times. Never handle or clear debris from the propeller or jet system while the Flex Battery Pack (BP) is connected or while the Power Key Leash (PKL) is engaged.

Do not modify the eFoil, hydrofoil, or electrical infrastructure. Unauthorized alterations render the device illegal to operate under EU/US maritime standards and void all warranties.

1.3.2 Battery Pack (Flex BP) Handling and Charging

Approved Equipment: Only charge the Flex BP using an authorized Awake Flex Charger. Never use the charger for non-Awake components.

Environmental Tolerances

Store in a cool, dry area below 30°C / 86°F Do not expose the battery to direct sunlight or temperatures exceeding 40°C /104°F during operation/charging.

Thermal Cut-off

Never expose the battery to open flames or environment temperatures above 56°C / 133°F

Cold Weather

Operating below 10°C / 50°F will temporarily reduce runtime and capacity.

Charging Procedures

Charge on a flat, non-flammable, fire-resistant surface to ensure proper bottom heat dissipation. Do not leave the battery unattended while charging. Charging must be supervised by an adult. Keep the battery, charger, and connectors clear of flammable liquids or combustible materials.

Telemetry and Fault Warnings

If the Flex BP displays an uncharacteristic light sequence or a solid red LED for more than 3 seconds, immediately stop operation or charging.

Move the battery to a cool, isolated, fire-safe outdoor area. Open the Awake App, navigate to the Support tab, log the diagnostic details, or contact technical support at +4687777270 / support@awakeboards.com.



1.3 System and battery safety

State of Charge (SoC) Reserve



Return towards shore when the Flex BP indicator drops to two (2) green LEDs to ensure sufficient reserve power for a safe return.

1.3.3 Emergency Protocols (Flex BP Incidents)

Physical Damage

If the battery casing is cracked, dropped, dented, or compromised, immediately isolate it on a fire-safe surface outdoors. Do not attempt to use or charge it.

Electrolyte Leakage

Avoid any skin or eye contact with leaked fluids and do not inhale emitted vapors or gases. In case of accidental exposure, flush immediately with copious amounts of water and seek immediate medical attention.

Fire Suppression

Keep a Class ABC or Class BC dry chemical fire extinguisher and lithium-fire rated fire blanket located between 5 and 15 meters / 16 to 50 feet from the battery storage/charging area.

In the unlikely event of a lithium-ion battery thermal runaway event, do not attempt to extinguish a full lithium fire with a household fire extinguisher. The only way to suppress a lithium fire is to fully submerge the battery pack in a body of water larger than the battery pack itself. Alternatively, smother the surrounding area with sand to contain the fire, and clear the area immediately. Call emergency services.

Recommended Fire procedures:

1. Call Emergency Services
2. Put on a protective mask and gloves
3. Cover the battery with a lithium-ion rated fire blanket
4. If no flames are present, move the battery into a large body of water or cover with ample amounts of sand
5. Await Emergency Services and contact Awake Support.

1.4 Regulatory compliance, storage and disposal

1.4.1 Owner Responsibility and Local Regulations

The owner is legally responsible for any third-party property damage, personal injury, or death resulting from the use of their Awake eFoil. Do not permit third parties to operate the watercraft without comprehensive safety briefing and manual review.

Riders must check and obey all regional, national, and local maritime laws, licensing requirements, speed zones, insurance obligations, and wildlife protection acts.

1.4.2 Component Storage and Component Care

Do not loosen, remove, or alter the exterior pressure ventilation valves. Tampering allows water ingress, leading to internal component corrosion, short-circuits, or thermal runaway.

Keep the PKL, CPK, and hand controller separate during storage. These devices contain strong magnets that can degrade internal electronics if stored together. Maintain at least 50cm / 20in of separation from pacemakers, magnetic navigation instruments (compasses), and magnetic media/credit cards.

1.4.3 Environmental Disposal (E-Waste & Batteries)

Flex BP (Lithium-Ion): Must never be mixed with household trash, incinerated, or sent to standard landfills. Must be processed by a certified hazardous waste or dedicated lithium-ion recycling facility.

EU: WEEE Directive, Battery Directive (2006/66/EC)

US: EPA Universal Waste Regulations, DOT/RSPA regulations

Flex Charger & Electronics: Must be delivered to a designated electronic waste (e-waste) collection center.

EU: RoHS Directive, WEEE Directive

US: State-level e-waste recycling programs

For specialized handling info or decommissioning instructions for damaged battery packs, contact an authorized Awake Service Center or your local municipal solid waste authority.

2. Inventory

The Awake VINGA package comes with everything you need to get out on the water in minutes. All VINGA boards come with protective bags for board hull and mast.

Tip! Check out the inner pocket of the mast bag to find shims, tool and grease.



3.1 Setup – Battery Charging

3.1.1 Charging the Flex BP

Charge the battery directly after unpacking. It is shipped with a shipping charge of 30% to comply with international freight and shipping regulations. Ensure the battery pack is fully (100%) charged before using it in the board.



3.1.2 Battery display



> Battery standby



> Battery active



> Battery processing



> Battery charging



> HC and/or app disconnected



> HC and/or app connected



> Wireless connectivity faulty



> Notification
(see HC display)



> Warning
(see HC display)



> Error
(see HC display)



3.2 Setup – Awake Link App

3.2.1 Gear Activation

In order to change rider profiles and monitor important data from your VINGA, you will need to connect your mobile device to the Flex BP via Wireless connection technology.

Turn on Wireless connection on your mobile device and open the Awake Link App. Upon opening on the home tab, the app will automatically begin searching for the Flex BP.

If your Flex BP was not discovered after the first auto search, swipe down to refresh. Once your your Flex BP(s) are discovered, tap the desired Flex BP to connect. Once successfully connected, the  icon will light up in blue.

The first time the battery is used, it will have to be activated via the Awake Link App. The activation process includes registering the product into the Gear garage in your user Awake rider account. Either login to an existing account or register a new Awake rider account in the Awake Link app.

3.2.2 Activate the battery:

1. Download the Awake Link App to your smart device
2. Activate your battery by lifting the rotary handle
3. Choose your battery in the list and connect
4. Press activate when asked and follow the onboarding procedures

App-store download



Play-store download



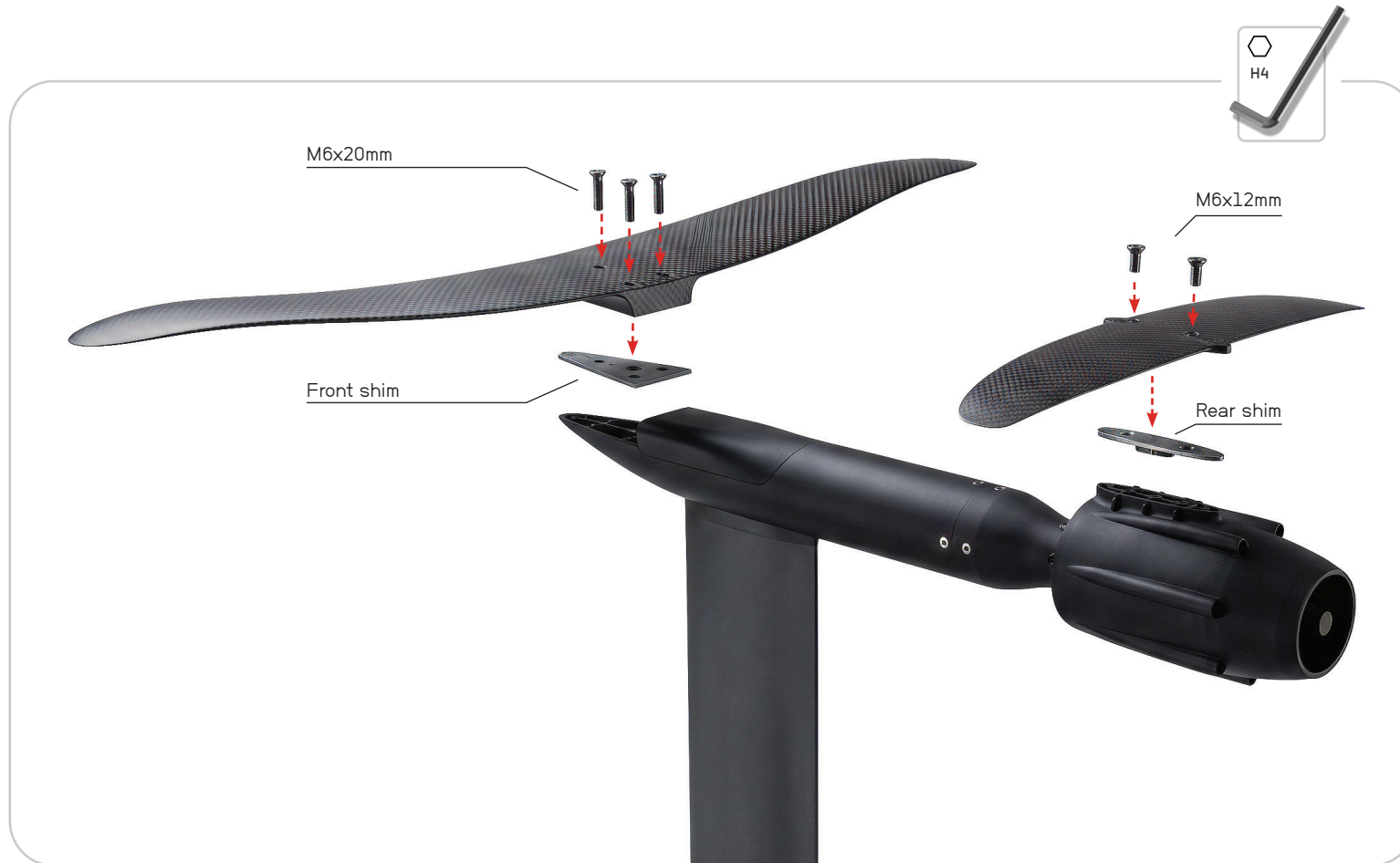
3.3 Setup – Wings installation

Position the Drive Unit upside down. Install the wings with provided screws, shims and tool. Make sure all screws are engaged to the thread before fully tightening.

When receiving your wings set, you will find shims / spacers for both front and rear wings. Place the black shim under the front wing and the red shim under the rear wing.

NOTICE

Wing mounting screw torque must not exceed 4 Nm



3.4 Setup – Click to Ride

The VINGA's Click-to-Ride system allows the board to be connected to the Drive Unit in a few easy steps.

1. With the wings installed, place drive unit standing straight on the ground.
2. Grab the board and carefully slide it onto the CM from the back.
3. Fasten the connection with both the larger main lock (black) and the smaller safety lock (red).
4. Make sure that the connection is solid by lifting the board and the wing. Grab the board by the front handle of the board and the cut-out in the back.



3.5 Setup – Insert Flex Battery

The Awake VINGA features a Flex BP with a design that allows for fast swapping while on the go over multiple Awake products.

1. Check that there are no foreign objects or dirt/sand in both the Flex BP and board connectors
2. Ensure the board is laying securely on an even surface and lift the Flex BP using both handles.
3. Slide the front end of the Flex BP into the designated cavity in the board, resting the Flex BP's retention notches underneath the retention tabs.
4. Push the locking handle down towards the board until the Flex BP is firmly secured, there should be an audible "click".



WARNING

Ensure that the gold connector surfaces are dry before connection. Water or moisture on the connector pins or in the battery connector can damage the battery pack



3.6 Setup – Pair Hand Controller

1. Power on the Hand Controller by pressing any button. Activation is paired with a vibration in the handle.
2. Hold the HC display close to the battery lights for instant pairing.

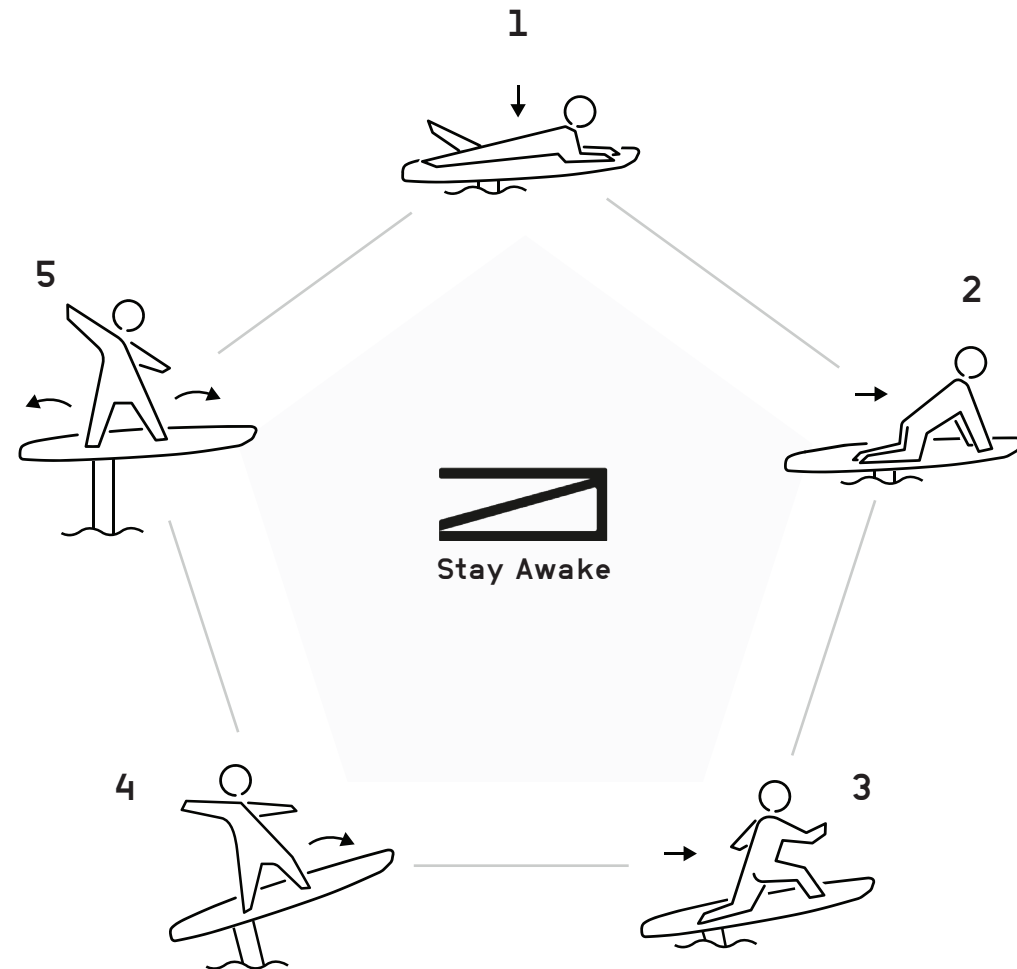


4. Operation



4.1 Operation – Riding

1. Start by lying down on the board and face riding direction. Push the throttle on the HC to go forward.
2. Once a comfortable planning speed is reached, get up on your knees.
3. Put your front foot forward on the board (left foot for REGULAR and right foot for GOOFY)
4. When planning, lean back to take flight and compensate with weight forward.
In flight, balance the board by moving back and forth.
5. To brake, release the throttle, and to turn, lean your body forwards and backwards and look over the shoulder in the direction you want to turn.



Tip! Don't know if you prefer a GOOFY or REGULAR stance? Stand straight and lean forward (or ask a fellow rider to gently push you forward).

The first foot that reacts and prevents the fall is the one you should have as front foot while riding.

4.2 Operation – HC

4.2.1 Power on / off the HC

Power on the HC by pressing any button on the HC. The Awake logo is displayed and a vibration is felt in the handle.

Power off the HC by navigating either to the Power button  in the top left corner of the display, or press and hold the Select button for 1 second.

4.2.2 General settings

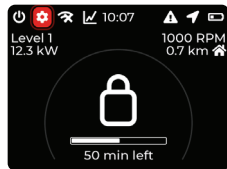
Change Ride settings, interface settings or see HC diagnostics through the General Settings menu -> .

4.2.3 Ride settings – Power Levels

Your VINGA can be set to 10 different Power Levels where 1 provides lowest speed and 10 maximum speed. The Power Level setting is adjusted and stored in the Hand Controller, even when switching battery or board.

Change the power level by pressing and holding left (decrease) or right (increase) button while throttle is inactive, or through the Ride Settings menu.

4.2.4 Ride settings – Throttle safety



PKL lock

The board activates and charges without PKL installed, but need a PKL installed for riding.

Smart lock – recommended

The HC throttle will be locked if idle for more than 10 seconds. If the HC is submerged, the HC will be locked if idle for 3 seconds.

4.2.5 Interface settings

Set screen brightness, choose between Default or Basic riding screen, change units and adjust time zone.

4.2.6 Diagnostics

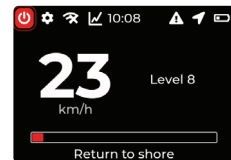
See the current status of your HC in the Diagnostics section of the General Settings menu. See throttle value, current HC temperature and firmware versions.

4.2.7 Ride screens

Go to General Settings  and to Interface Settings to change between ride screens.



Default



Basic



-  On / Off
-  General Settings
-  Disconnect HC
-  Ride Statistics
-  Navigation services
-  State of charge



4.3 Operation – Charging

4.3.1 Charging the Flex BP

Charge the Flex BP within 24 hours of each cycle of use.



Before charging the Flex BP, place the charger on a clean level surface with enough clearance for the Flex BP once connected. Ensure that there are no foreign objects in both the charger connector and Flex BP connector and dry with a towel to remove any moisture.



1. Connect the provided C13 power cable connector to the charger. Connect to a suitable wall outlet.
2. Place the Flex BP on the charger and align the front locking slots with the locking pins.
3. Push the locking handle down and towards the charger until the locking slots fully engage the pins. The locking handle should be parallel to the top of the Flex BP.
4. BP LEDs turn green in sequence from left to right. The charging progress is communicated via the charge LEDs where each LED represents 20% charge.

A full charge of the Flex Light Range (LR) BP takes approximately 2 hours, and a Flex BP Extended Range (XR) takes approx 4 hours. When charging is complete, all 5 charge LEDs turn solid green, a melody is played and the charger fan will switch off.

If overheating of the Flex BP occurs at any time during the charging process, the battery will automatically activate a low power mode and adjust the charging speed accordingly.

4.3.2 Charging the HC

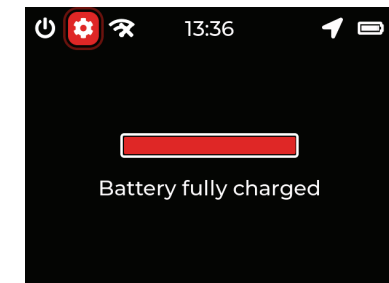
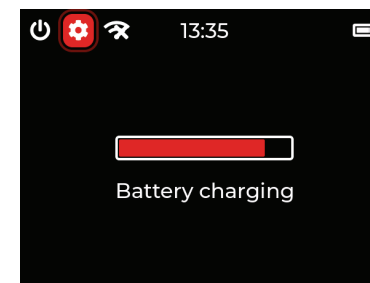
To charge the Flex HC, first, connect the USB A wireless charger connector to the provided DC power supply and plug it into a wall outlet.



Alternatively, the wireless charger can be connected directly to any USB outlet intended for charging (for example in a car or personal computer)

Place the Flex HC into the wireless charger slot.

A dynamic charging sequence image on the display will indicate that the Flex HC is in a charging state. Once fully charged, the dynamic charging sequence image will turn static and a dialogue will confirm that the Flex HC is fully charged,



The state of charge can be found at any time in the top right corner of the display when the Flex HC is activated.

5 Accessories

5.1 Binding Installation

Before installing the bindings, you will need to know your preferred stance – regular (left foot forward) or goofy (right foot forward). This will be whatever feels more natural to you. If you are unsure, have someone gently push you from behind, with your arms initially held alongside your torso, and whichever foot goes forward will usually be your front foot.

To install the bindings, position each binding according to your preferred angle and spacing, ensuring the fastening holes are located above the inserts along the center of the board.

Fasten the bindings to the board using the provided M6 x 25 screws and Allen Key. Make sure the bindings are tightly secured to the board before riding.



5.2 Attaching the PKL

The Awake VINGA should only ever be used with the Power Key Leash (PKL) securely fitted to the operator at all times. Care must be taken to ensure that the leash is secured to the body in a fashion in which it cannot be easily detached, the leash must not be attached to swimwear which can fall from the user. The PKL must be safely secured to the rider before attaching the PKL to the board.

5.3 Activating the eFoil

Activate the battery by inserting it into the board.. The LEDs on the Flex BP will illuminate Green, indicating the charge level of the Flex BP. A notification sound will trigger from the Flex BP, confirming that the Flex BP is activated and ready for operation.

6 Transport and Storage

6.1 Vehicle Transport

For longer journeys, it's best to transport the Awake VINGA in a car or other personal vehicle.

Depending on your location, public transport authorities may not allow oversized luggage and using public transport has an added risk of damaging the board and/or its accessories.

When transporting the board and its accessories in a personal vehicle, always secure the board bag with straps so that they do not move during transit.

The board bag may also be transported on a roof rack or in a roof equipment box. In these cases, it is imperative to use your protective bag and adequate securing equipment.

During transport special care should be given to the Flex BP. Always make sure that it is securely strapped down.



If the Flex BP is in any way dropped or scratched – do not use or charge the Flex BP, contact Awake for an assessment of it before doing anything with it.

In the event of a vehicle accident, the Battery cells within the Flex BP may be ruptured, causing the release of flames and toxic gases. Any suspicion that the Flex BP has been ruptured in an accident should immediately be reported to emergency services attending the scene.

In case of fire, cover the Flex BP with a fire blanket or use a fire extinguisher recommended for lithium ion battery fires.



In the unlikely event of a lithium-ion battery thermal runaway event, do not attempt to extinguish a full lithium fire with small amounts of water or a household fire extinguisher. The only way to quack a lithium ion battery fire is to cover with a lithium-ion fire rated blanket or submerge the battery back in a large body of water

6.2 Air Transport

The Flex BP uses lithium-ion battery cells. They are therefore considered as hazardous goods and are only eligible for air freight in accordance with the UN 38.3-certification.

When shipping this product by air freight, ensure that the Flex Battery Pack(s) are charged to a maximum of 30% State of Charge (SoC) to comply with IATA Dangerous Goods Regulations.

For information regarding utilizing Awake VINGA at various locations, please contact Awake in advance.

6 Transport and Storage

6.3 Protective bags

The VINGA Board Bag Kit consist of a board bag, a bag for the Drive Unit and an accessory bag for the Hand Controller.



Never drag the Awake VINGA along the ground or other surfaces. Doing so may cause wear to the body in such a way that it's water protective capacity is compromised. This may also sharpen the fins to a point where they become a cutting edge and pose a risk to personal safety.

The board bag features a slot on the bottom allowing for storage with the mast and wings still assembled. When the Drive Unit is disconnected, store and transport it in the Driver Unit bag together with the wings and Hand Controller bag.

Keep tools, phone, keys and other accessories dry in the utility pocket inside the Drive Unit bag.

If packing wet gear in the bags, leave the zipper open by 10–20cm for ventilation.

6.4 Board Storage

Never store the Awake VINGA in water. Storing the Awake VINGA in the water may result in biological growth on and around the impeller and the jet housing, causing power loss. Should you have to leave the Awake VINGA in water for a short time, always make sure that it is moored in a secure manner.

Never leave the Awake Vinga unattended to prevent children or other inexperienced persons from using it.

6.5 Flex BP Storage

When storing the VINGA for long periods of time, it's recommended to remove the Flex BP and store it separately. Connect to your gear regularly to check for updates, see community rides and keep track of battery state of charge.

The Flex BP must be charged between 80% of maximum capacity when in storage (4 bars on the LED display). Always be sure to store your Flex BP in a safe and dry environment that is not subject to large fluctuations in temperature. Check the charge level periodically (approx. once a month) during storage to ensure the charge remains within the required range.

6.6 Flex HC Storage

The Flex HC should be rinsed with fresh water after every use. It must be charged to 80% of its maximum capacity when stored for long periods of time.

Check the charge level periodically (approximately once a month) during storage to ensure the charge remains within the required range.

6.7 Winterization (long-term storage)

If you are planning not to use the board for an extended period of time (one month +), it's crucial that the Flex BP is kept at a **nominal charge level of 80%** throughout the storage period. This is because the Battery cells will otherwise deplete, rendering the Flex BP unusable, and in need of getting shipped back to Awake for repair (an action that is not covered by any warranty or guarantee).

Make sure to adhere to the following steps for winterization:

1. Rinse of all parts of the board and Flex BP with fresh water, and make sure to let everything dry properly
2. Spray the CMs on both the board and the Flex BP with contactor spray
3. Charge the Flex BP up to at least 80% (four bars on the LED display)
4. Disconnect the PKL (you can leave the Flex BP on the charger if convenient)
5. Check the status of the Flex BP and put it on charge for 10 min at least every two months by simply connecting the PKL and connecting it to the app.
6. If you have the winterization function in the app, simply follow the instructions for correct action in keeping your Flex BP at an optimal state of charge.
7. If you do not see the winterization function in the app and you notice that the charge level has dropped to three bars on the LED display, let the BP charge for 15–20 minutes, or until the charge level has gone up to four bars on the LED display.

7. Maintenance

7.1 Maintenance Requirements

Regular maintenance is mandatory to ensure safe operation, maintain product performance, and preserve warranty coverage. Failure to perform the required maintenance may result in product malfunction, reduced product life, or loss of warranty protection.

7.1.1 Pre-Ride Inspection (Mandatory)

Perform the following checks before every use:

1. Verify that the battery housing is free from cracks, deformation, or damage.
2. Inspect all seals and O-rings for wear, cuts, or contamination.
3. Ensure the battery compartment and CM gold connector pins are clean and dry.
4. Ensure all mast and wing screws are tight. Regularly (weekly) apply Tef-Gel to threads to prevent seizing and corrosion.
5. Check the jet system for damage, debris, or obstruction.
6. Inspect the zinc anode. Replace it if worn by 50% or more to prevent motor corrosion.
7. Verify proper operation of the remote controller and emergency stop function.
8. Confirm battery charge level is sufficient for the planned ride.

7.1.2 Post-Ride Maintenance (Mandatory)

After every use:

1. Power off the watercraft and remove the battery.
2. Rinse the board, propulsion system, and exposed components with fresh water.
3. Dry all surfaces thoroughly.
4. Clean battery and board connectors with a dry cloth. Apply electrical contact spray to gold pins after every session to prevent oxidation.
5. Inspect the propulsion system for fishing line, seaweed, sand, or other debris.
6. Allow the battery compartment to dry completely before reinstalling the battery.
7. Store the battery according to the battery storage instructions.

7.1.3 Scheduled Service (Mandatory)

Once a year or every 50 battery cycles (whichever comes first). To schedule a service appointment please contact us at support@awakeboards.com and we will direct you to the nearest authorised Awake Service Center.

- Jet system service
- Impeller replacement
- Stator replacement
- Zinc Anode replacement
- O-ring replacement
- Gold connector pins checkup and replacement

7.1.4 Major Service (Recommended)

Service interval, every 2 years or 100 battery cycles. To schedule a service appointment please contact us at support@awakeboards.com and we will direct you to the nearest authorised Awake Service Center.



WARNING

Never attempt to repair or open the Awake VINGA by yourself. Any procedures not covered or described in this section are only to be carried out by an authorized technician at your nearest dealership or by Awake.



WARNING

Do not operate the board if you suspect any damage, water ingress, abnormal vibration, or malfunction. Contact Awake Support immediately for diagnosis assistance.

8. System notifications

8.1 Battery related notifications

Notifications from and about the entire board system are shown on the HC display with a dialog describing type of notification and proposed action.

The triangle on the BP LED display will shine white for information, yellow for warning and red for error. Below is a list of all possible battery related notifications:

8.1.1 Battery info:

- Charging speed reduced. → *Battery needs to cool down.*
- Performance reduced. → *Battery needs to cool down.*
- Battery needs to cool down
- Apply PKL to activate throttle
- Board is upside down. → *Throttle disabled for safety.*
- Lock the battery handle to enable the battery.

8.1.2 Battery Warning:

- Battery warning detected. → *Contact support.*
- Battery cells are unbalanced
- Faulty sensors detected. Running in safe mode. → *Contact support.*
- Battery is low. → *Return to the shore!*
- Battery is empty. → *Charging needed.*
- This screen disables throttle. → *Return to ride screen to enable it.*

8.1.3 Battery Error:

- Battery error detected. → *Contact support.*
- Battery temperature out of range
- Short circuit detected in battery. Power is disabled → *Contact support.*
- Water detected on the battery connector → *Dry the connector pins and try again.*
- Water detected inside the battery → *Contact support.*

8.2 Board related notifications

Information and notifications about Drive Train and Connector Module

8.2.1 Board warning:

- Motor is overheating. → *Performance is reduced.*
- Motor controller is overheating. → *Performance is reduced.*

8.2.2 Board error:

- Connector module motor controller fault
- Unsupported board type. Throttle disabled. → *Contact support.*

8.3 HC related notifications

All system notifications are shown on the HC display. Change settings in the HC interface to personalize your ride.

8.3.1 Hand controller info:

- Throttle safety lock → *Hold select button for 3 seconds to unlock the HC*
Note! Do not press the throttle button during this action!

8.3.2 Hand controller warning:

- Hand controller battery is very low. → *Charging is needed.*
- Hand controller battery is getting low
- Throttle disabled due to PKL presence. → *Move PKL away from the HC.*
- Hand controller is overheating. → *Move it to a cool place to cool down.*

8.3.3 Hand controller error:

- Wireless module is faulty → *Connections are not possible.*
- Water inside the hand controller → *Throttle disabled.*
- Data storage fault → *Data storage setting may not work.*
- Throttle sensor is faulty → *Throttle disabled.*

9 Warranty

The warranty only applies to products delivered by Awake and exists only towards the customers of Awake or its contracted re-sellers. It does not apply to any third-party purchaser. The warranty covers any manufacturing defects or defects in materials from the invoicing date and where such products are used under normal operating and maintenance conditions for a period of 12 months for all products.

To extend the warranty to 24 months: once a year or every 50 battery cycles (whichever comes first). To schedule a service appointment please contact us at support@awakeboards.com and we will direct you to the nearest authorised Awake Service Center.

To invoke the provisions of the warranty, the customer must notify Awake, in writing and within the above-stated warranty period, of the defects allegedly found in the products and provide proof thereof. The customer must facilitate the assessment of these defects. The customer shall not, without the prior written consent of Awake, carry out any repair or removal him-/herself or arrange for doing so by a third party.

Under the terms of the warranty, Awake may, at its sole discretion, choose whether to supply new products (of the same type if still available), repair or replace the products, ex-works, all the products covered by the warranty and found to be defective by Awake. Awake shall not be liable to pay any compensation for any reason whatsoever and in particular for any loss or damage of any kind (physical, material or financial loss in relation to the [allegedly] defective products, loss of business, loss of revenue or loss of reputation, etc.)

Repairs or replacements made under the terms of warranty shall not extend the warranty period. Parts replaced during the warranty period shall be returned to Awake and shall become the property of Awake.

9.1 Limitation of liability

Awake excludes all liability for and the warranty shall not cover any defects (and any damage whatsoever arising there from) resulting from;

any assembly or installation or use of the products that do not comply with Awake's instructions or specifications (documentation, operating and assembly instructions, special recommendations, etc.) or professional standards,

abnormal use of the products, defective or unsuitable maintenance, negligence or any use other than the use for which the products were intended,

materials supplied (or design imposed) by the customer, or from service or maintenance performed on the products by third parties not expressly authorized by Awake,

acts of God or force majeure as well as defects and consequences thereof resulting from normal wear and tear of the Product,

Awake shall not be liable for any warranty other than listed above.



10 Technical Specifications

10.1 Awake VINGA Carve Board

Hull:

Carbon/Innegra
composite foam core
sandwich monocoque

Passenger Capacity:

One (1) operator

Max Rider Weight:

110 kg / 242 lbs

Absolute Max Weight:

136 kg / 300 lbs

Volume:

76 L

Weight:

7.8 kg / 15 lbs

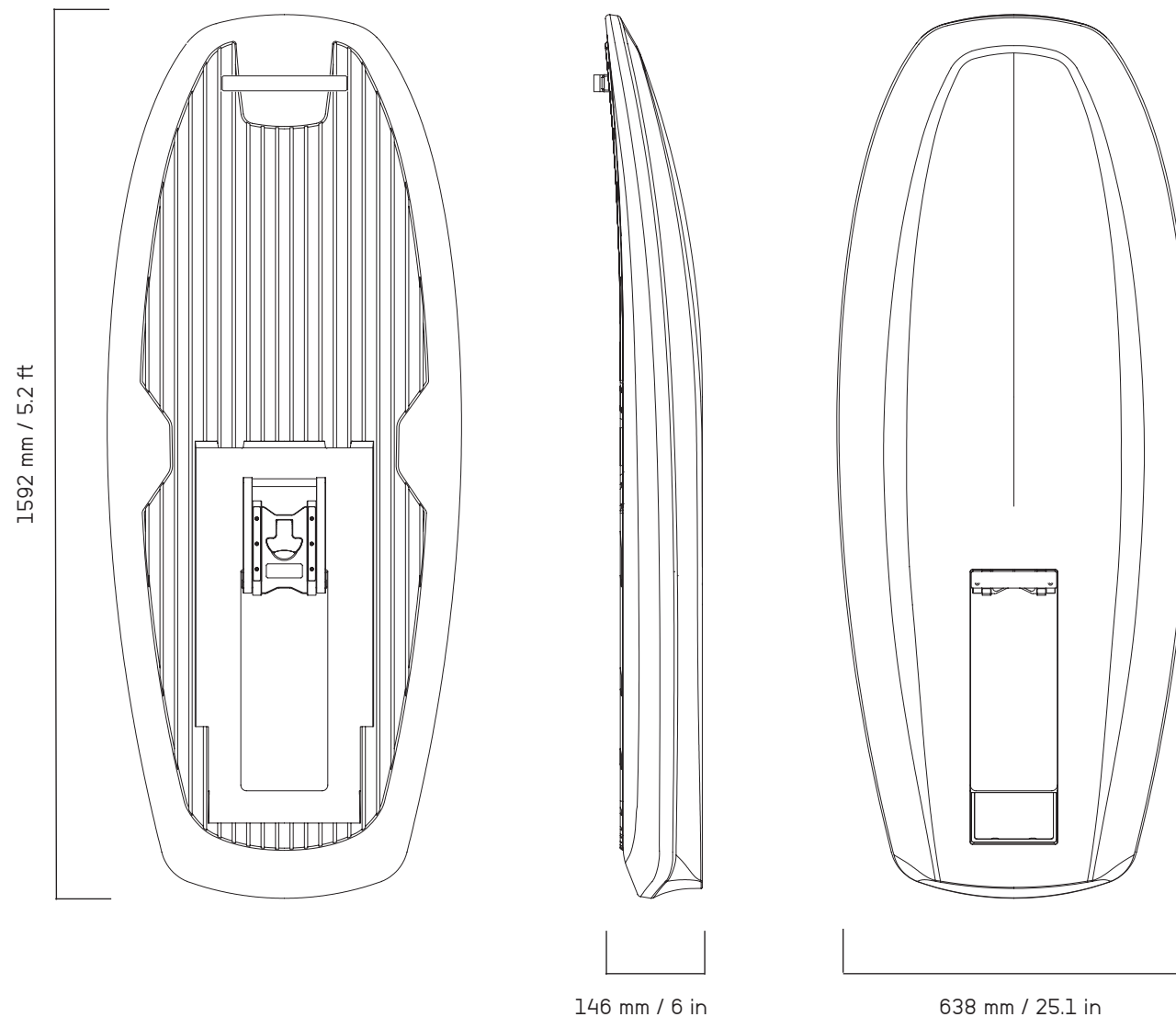
Max speed:

46kph / 29mph

Ride time:

120min (XR4)

60min (LR4)



10 Technical Specifications

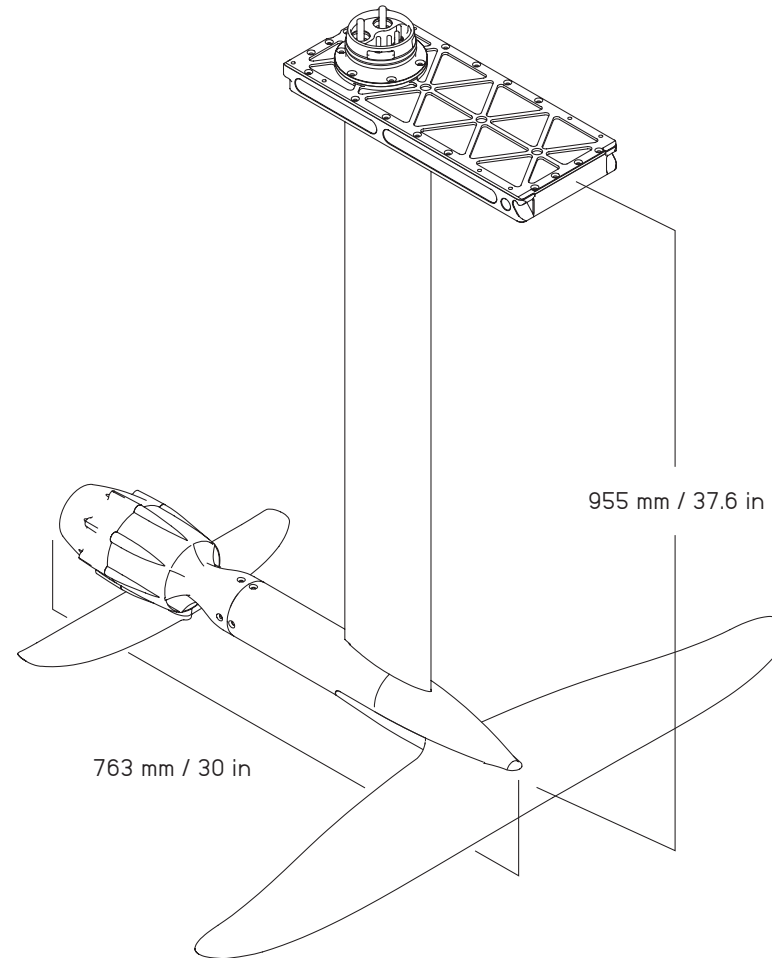
10.2 Awake VINGA Drive Train

Motor:

Brushless 8.2 kW

Driveline:

Awake Linear Jet System





10 Technical Specifications

10.3 Awake VINGA Drive Train

Material:

Carbon Fiber

Weights:**Cloud wing 1100**

1.1kg / 2.4 lbs

Cloud wing rear

0.93 kg / 2.0 lbs

Cloud 1100

907 mm / 35.7 in

169,5 mm
/ 6.7 in

52.5 mm
/ 2 in

Cloud Rear

400 mm / 15.8 in

92 mm / 3.6 in

20 mm / 0.8 in

10 Technical Specifications

10.4 Awake Flex BP 4

Light Range (LR)

Weight:

12.1 kg / 26.7 lbs

Battery energy:

Li-Ion 1,3 kWh

Nominal voltage:

86.4 V

Extended Range (XR)

Weight:

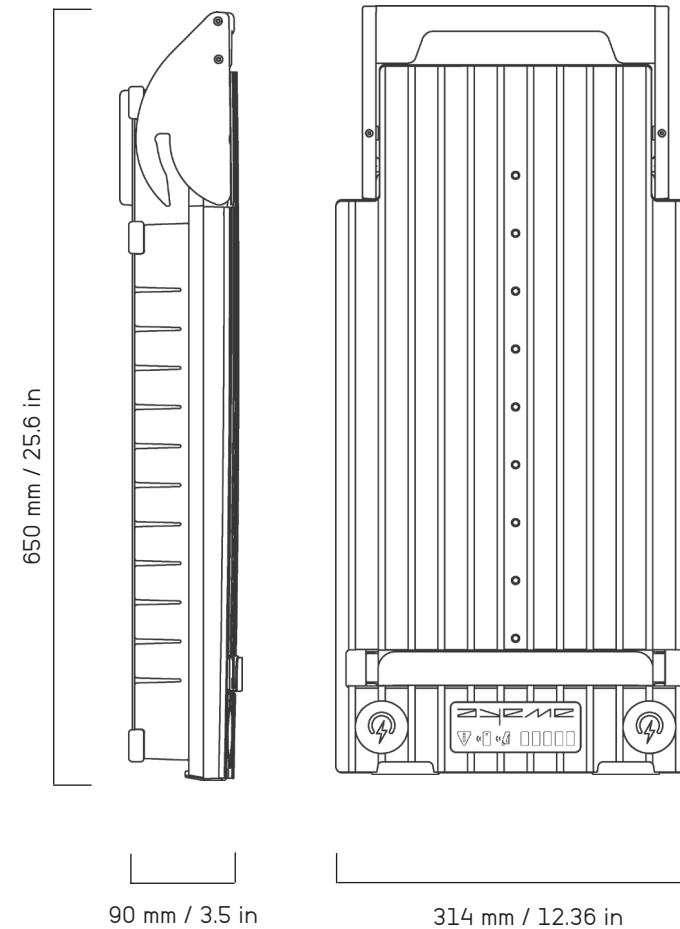
18.5 kg / 40.8 lbs

Battery energy:

Li-Ion 2.6 kWh

Nominal voltage:

86.4 V

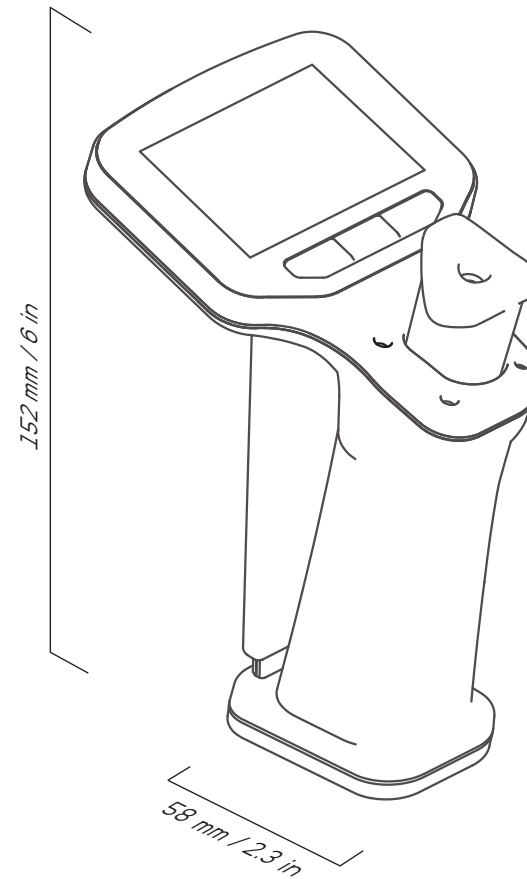


10 Technical Specifications

10.5 Awake Flex Hand Controller 4

Weight:

255 g / 9 oz





11 Contact

If you have any questions about this User Manual, its content, either in parts or in its entirety, please don't hesitate to reach out to support@awakeboards.com, We are at your disposal.

Global Headquarters

Ride Awake ApS

Langebrogade 3b
1411, Copenhagen
Denmark

info@awakeboards.com
+45 393 93 010
awakeboards.com

Manufacturing Facility

Ride Awake Poland

Kołbaskowo 120
72-001 Szczecin
Poland

Stay Awake