



BIRDYFISH S

User manual

2026



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INTRODUCTION

Welcome aboard !

Congratulations on the purchase of your BirdyFish S, and thank you for choosing us to accompany you on your sailing adventures.

With your BirdyFish S, you will discover the thrill of foiling sailing: long flights above the water, unmatched sensations of speed, and a unique experience on your favorite sailing venue.

This manual has been designed to help you become familiar with your boat while ensuring a safe and enjoyable experience. We encourage you to read this document carefully to sail with confidence and unlock the full potential of your BirdyFish S.

Before you begin

This manual does not replace formal safety training or instruction in responsible boating practices.

More specifically, it does not replace an official BirdyFish S commissioning and handling session provided by a professional approved by BirdyFish.

If this is your first sailboat, or if you are discovering a new type of sailing, take the time to acquire the necessary skills before heading afloat. Your dealer or local sailing federation can direct you to a sailing school or club offering suitable training.

Keep this manual for future reference. In the event of resale, it may be passed on to the new owner; however, it does not replace practical instruction. Only approved training allows activation and maintenance of the BirdyFish S two-year warranty.

Important reminder : safety & responsibility

The BirdyFish S is a foiling sailboat: it flies when the combined weight of the crew and equipment is properly balanced by the lift generated by its foils.

Make sure you fully understand the instructions in this manual before operating the boat.

For minors : If you are under 18 years old, this manual must be read by your parents or legal guardians.

You may only use the BirdyFish S under their supervision or under the guidance of a qualified instructor.

Loaning the boat : Do not lend the BirdyFish S to anyone who has not been trained in its operation.

Every user must read and understand this manual and receive appropriate instruction before taking the helm.

Operating limits : Always comply with the maximum crew and load limits specified in the boat specifications and on the builder's plate.

Maximum load: 150 kg (330 lb).

Sailing conditions : Avoid areas with breaking waves, as they present a significant risk to the stability of the boat.

BirdyFish accepts no liability for material damage, injury, or loss resulting from improper use, negligence, or misuse of the boat.

We wish you many enjoyable and exciting hours on the water while respecting safety regulations and the environment.

Enjoy your BirdyFish S and have a great sail !

OPERATION & SAFETY INSTRUCTIONS

1. Sailing environment

Restricted areas : Do not operate the BirdyFish S near hazards such as power lines, trees, vehicles, buildings, rocks, piers, breakwaters, buoys, or restricted navigation areas. Only sail in well-known areas that have been previously explored and assessed.

Stepping the mast and overhead cables : The BirdyFish S aluminium mast can be extremely dangerous if it comes into contact with electrical power lines.

When stepping the mast, handling, or moving the boat, ensure that no overhead cables are nearby.

Contact between the mast and an electrical line can result in serious injury or death.

Always remain vigilant and look overhead before raising the mast.

2. Use & responsibilities

Take the time to become familiar with all the features and controls of the BirdyFish S.

As skipper, you are responsible for your own safety, the safety of your crew, and that of other water users.

No engine installation: The BirdyFish S is not designed to carry an engine.

Do not install or use any motorized propulsion system.

3. Care & maintenance

Boat inspection : Inspect your boat regularly for signs of wear, damage, or deterioration resulting from age, intensive use, or improper handling.

Repairs and servicing : Maintenance and repair work should only be carried out by qualified professionals.

4. Local regulations & safety equipment

Legal Compliance : In some countries, a licence or boating permit may be required.

Ensure that all applicable local regulations are respected.

Safety Equipment : Check the legal requirements applicable in your country regarding safety equipment, which may exceed the recommendations provided in this manual.

Depending on local regulations, personal flotation devices (PFDs), life jackets, navigation lights, or other equipment may be mandatory.

Crew Training : All crew members should be trained in the use of safety equipment and emergency procedures, including man-overboard recovery. Suitable training courses are available through sailing schools and sailing clubs.

5. Right to modify

BirdyFish reserves the right to modify the specifications or design of the boat without prior notice.

The information contained in this manual is accurate at the time of publication but may be updated in the future.

Always sail responsibly and in accordance with applicable safety regulations.

Enjoy your BirdyFish S and fair winds !

SAILING CONDITIONS & TUNING GUIDE

Wind speed	Rake	Mainsail	Outhaul	Cunningham	Vang	Sailing mode
0-6 knots	0,5	Full	Deep	Eased	No tension	Displacement mode
7-10 knots	0,5	Full	Deep	Wrinkles removed	Moderate tension	Take-off & early foiling
11-15 knots	0,5	Full	Flat	Tight	Max tension	Foiling
16-20 knots	0	2 reefs	Very flat	Max tension	Moderate tension	Foiling
21-25 knots	0/-0,5	2 reefs	Very flat	Max tension	Light tension	Foiling
+25 knots						Not recommended

CREW & MAINTENANCE

The BirdyFish S can accommodate up to three persons, provided that the total crew weight does not exceed **150 kg (330 lb)**.

To ensure optimum performance and maximize the service life of the boat, all components should be inspected regularly in order to prevent failures and avoid more significant damage.

GENERAL WARRANTY CONDITIONS

The limited warranty period of **two (2) years** begins on the date the boat is delivered to the customer, as stated on the delivery certificate.

BirdyFish® products are warranted only to the original purchaser against defects in materials and workmanship. This warranty is non-transferable.

To maintain the validity of this limited warranty, the product must be handled, maintained, and operated in accordance with the instructions contained in this Owner's Manual. The delivery certificate is mandatory when submitting a warranty claim.

Within ten (10) days of discovering a defect, the customer must submit a claim together with a copy of the delivery certificate by email to : sales@birdyfish.com

BirdyFish® reserves the right to inspect, or appoint an independent expert to inspect, any product claimed to be defective before accepting any warranty obligation.

A distinction must be made between **manufacturing defects** and **damage** :

- Manufacturing defects are covered by the warranty.
- Damage resulting from misuse, abuse, collision, transport, or lack of maintenance is not covered.

Any damage occurring after delivery, regardless of the cause, is excluded from warranty coverage.

Following an inspection confirming BirdyFish® responsibility, BirdyFish® may provide replacement parts and/or reimburse approved labour costs.

Before undertaking any repair work, the customer must submit a detailed repair estimate to BirdyFish®.

Reimbursement will only be made after written approval of the estimate by BirdyFish® and upon presentation of the corresponding invoice.

This limited warranty only covers repairs required to correct defects in materials or workmanship.

THIS WARRANTY DOES NOT COVER :

- Improper operation, incorrect installation, improper servicing, or lack of maintenance.
- Normal wear and tear, fading, blistering, or abrasion caused by storing or mooring the boat in saltwater or freshwater.
- Failures resulting from inadequate maintenance. The burden of proof rests with the customer, who must retain maintenance records and receipts.
- Normal wear of battens, sails, lines, non-skid surfaces, Code Zero sail damage, scratches on appendages such as the centreboard, foils, rudder, anodized parts, or grounding-related wear.
- Commercial or rental use of the boat.
- Damage occurring during transportation.
- Accidents, collisions, impacts, fire, theft, vandalism, riots, electrical damage, explosions, freezing, or natural disasters.
- Overloading or operation outside the Class D design category limits.
- Damage caused by airborne contaminants (chemicals, tree sap, bird droppings), stones, hail, earthquakes, flooding, storms, lightning, or similar events.
- Economic losses including loss of time, loss of income, inconvenience, charter costs, accommodation expenses, food, travel expenses, storage fees, or any consequential or incidental damages.

BOAT ASSEMBLY

1. Wheel installation



The wheel sockets are integrated into the hull and eliminate the need for a separate launching trolley.

To install or remove the wheels, simply immerse the wheel assembly and slide the square-section axle into the corresponding hull socket.

TUTORIAL

2. Mast preparation

Required equipment
• <i>Mast</i> • <i>2 upper shrouds</i> • <i>2 lower shrouds</i> • <i>1 forestay</i> • <i>4 chainplate adjusters</i> • <i>2 spreaders</i> • <i>Green rig-tension purchase line</i> • <i>2 Standard soft shackles</i> • <i>Clamcleat</i> • <i>Double block</i> • <i>Double block with becket</i>



Remove the screw securing the spreader end fitting.

Remove the plastic spreader tip, pass the shroud through it, then reinstall the tip and refit the screw.

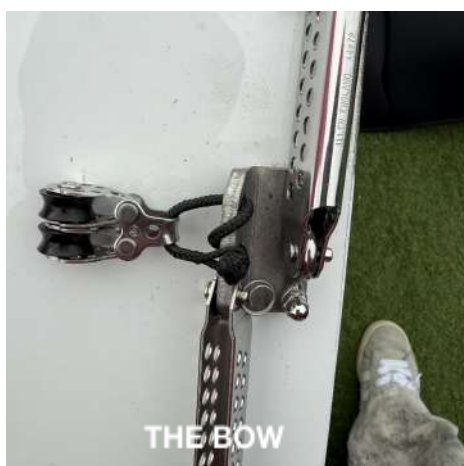
Position the spreader in its designated attachment point on the mast.

The spreaders should be set as closed as possible; therefore select the forward-most attachment hole available on the mast.

Insert the upper end of the shroud into the mast and repeat the procedure for the opposite side.

Install the two lower shrouds in the attachment holes located immediately below the spreaders. These are the shorter wires.

Install the chainplate adjusters on the boat as shown in the photographs :



Insert the forestay wire into the uppermost attachment hole on the forward face of the mast.

While one person supports the mast, a second person positions the mast heel on the mast step and inserts the clevis pin through the second hole in the mast-step bracket and through the mast heel fitting.

Secure the assembly with the retaining ring.

Attach the upper shrouds to the outermost chainplate adjusters.

The shroud pin must be fitted in the lowest hole of the adjuster plate. Attach the lower shrouds using the third hole from the bottom at the aft end of the adjuster plate.



Take hold of the forestay and raise the mast to the vertical position until the shrouds are under tension.



Attach the double block with becket to the white soft shackle located at the bow.

TIP

Protect all split rings with electrical tape to prevent snagging and accidental loss. To keep the T-terminal fittings correctly seated during mast stepping, an elastic retaining loop may be fitted across the backing plates.



Attach the second double block to the ClamCleave® using a soft shackle through the lower attachment hole.

Secure the green tension line to the becket using a bowline knot. Reeve the line through the blocks without crossing the purchase system and finish through the ClamCleave® sheave. Tie a stopper knot at the end of the line.

3. Gear bag installation



Use the four small blue lashing lines to secure the gear bag. Two lashing lines should be attached to the front of the bag and secured to the mast-step plate. The remaining two lashing lines should be attached to the sides of the bag and secured to the foil retaining-pin padeyes.

4. Foils installation

One person heels the boat while a second person inserts the foil into its case.

Repeat the procedure on the opposite side.

Install the two large soft shackles through the small holes located at the top of each foil.



Connect both foils using the elastic retaining line routed through the soft shackle at the bow.

If the foils do not remain securely in the raised position, increase the tension in the elastic line until they do.

5. Rudder installation



Install the horizontal stabilizer onto the rudder stock and tighten the screws until the stabilizer is fully seated.



Insert the rudder blade into the rudder cassette before mounting the assembly on the boat.



Unscrew the rudder cassette pivot pin and position the spherical bearing beneath the lower gudgeon.



Position the cassette so that the rudder pin passes through the gudgeons. Tighten the rudder pin fully. Install the small locking screw on the tiller assembly to prevent the rudder pin from loosening during operation.

6. Vang / Cunningham / Boom

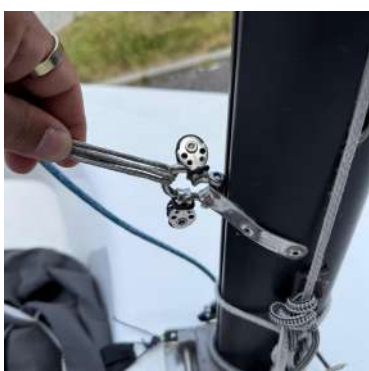
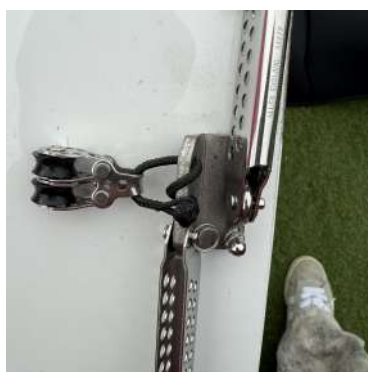
1. Vang

Required equipment
• 4 × 16 mm blocks • 4 × Small soft shackles • 1 × Medium soft shackle • Black control line • Spliced line with double block • Spliced line with friction ring





Pass the friction ring through the spliced loop attached to the friction ring line and secure it using the soft shackle through the newly installed friction ring. Use the soft shackle to attach the two spliced legs of the vang strop to the mast. Attach one block to each mast padeye using small soft shackles. Install two blocks on the vang soft shackle that will be attached to the mast. Attach the soft shackle passing through the friction ring to the boom.



Attach a double block to the chainplate using a soft shackle, then repeat the procedure on the opposite side.

Finally, lead the black vang control line through the deck-mounted ClamCleet®, then through the double block attached to the chainplate and up to the first block mounted on the mast padeye. Lead the line through the vang double block and then to the block attached to the vang soft shackle. Pass the line back through the vang double block, return to the first block on the side of the mast, then finish the purchase by leading the line through the double block on the chainplate and back through the ClamCleet®.



2. Cunningham

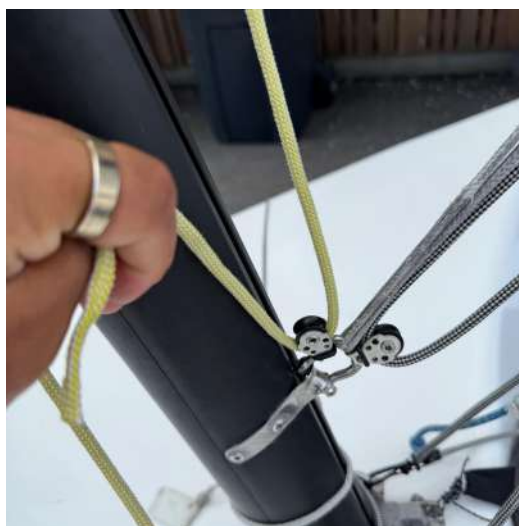
Required equipment
• 2 × 29 mm blocks • Yellow line

Lead the yellow Cunningham line through the second deck-mounted ClamCleat®, then through the double block attached to the chainplate.

Continue to the block mounted on the side of the mast before passing through the mainsail tack cringle.

Lead the line to the 16 mm block attached to the vang soft shackle, then return through the tack cringle and continue to the remaining 16 mm block on the opposite side of the mast.

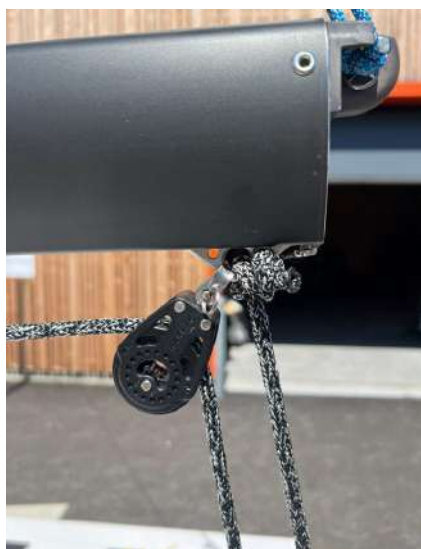
Complete the reeving by following the same routing in reverse on the opposite side.



3. Boom & mainsheet system

Required equipment

- 40 mm block
- 40 mm ratchet block
- Black mainsheet – length 9 m



Attach the 40 mm block to the padeye located at the aft end of the boom.



Attach the 40 mm ratchet block to the central boom attachment point.



Lead the mainsheet through the ratchet block and then through the webbing loop on the boom. Continue aft to the boom-end block.

Lead the sheet down through the bridle block and finish by securing it to the boom-end padeye using an appropriate stopper knot.

7. Mainsail rigging

Attach the halyard to the head cringle of the sail and feed the sail bolt rope into the mast track.

Hoist the sail using the halyard. Once the sail is fully hoisted, secure the halyard splice onto the halyard rack located along the mast.

If reefing is required, hoist the sail only to the first or second splice, depending on the wind strength (see Tuning Guide).

Roll the excess sail neatly and secure it with a line passed through the reef cringles to prevent it from unfurling.

Attach the outhaul to the clew cringle and secure the Velcro strap around the boom, passing it through the clew cringle.



IMPORTANT INSPECTION POINT

The small locking screw fitted to the rudder pin and located on the tiller assembly must be checked regularly. Due to vibration while sailing, it may gradually loosen.

The screws securing the upper gudgeon must also be inspected frequently.

The rudder pin must always remain fully tightened against its stop inside the rudder cassette.

TECHNICAL SUPPORT

For any technical support requests, please contact us using this form :

[LINK TO THE TECHNICAL SUPPORT FORM](#)

