



NMEA-2K

FILOS - Manual Controller

Rev.: [C]



Disclaimer

The interceptor units are also steering equipment and it is the sole responsibility of the navigator-operator to ensure that, at any point, any problem that will alter the vessels's course, rising from malfunction of interceptors, should be dealt immediately by the operator. Under no circumstances, fault of our interceptor equipment leading to any kind of accident, creates liability for the manufacturer.

Trademark Notice

HydroTab is a registered trademark of Olympic Engineering Ltd, Greece. All other trademarks, trade or company names referenced herein are used for identification only and are property of their respective owners.

Patent Notice

HydroTab products are protected by patents and industrial design patents, patents pending or design patents pending.

Declaration of Conformity

This product conforms to the following Electromagnetic Compatibility (EMC) regulations and standards for use in marine environments:

CE EN 60945

Technical Information and Documentation

The technical information provided in this document was accurate and correct at the corresponding production time of the HydroTab interceptors. Our operating principal for improving the manufactured product, may lead to changes regarding its specs, without prior notice. Liability will not be held for any inaccuracy, considering the product and the user manual.

Fair Use Statement

This manual can be printed or copied for private use only. Copies should not be provided to third parties and manual should not be commercialized.

Product Disposal

Waste removal of this product must be done, according to the Waste Electrical and Electronic Equipment (WEEE) Directive.

Product Registration

Please register your product online in order for the warranty to be valid.

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OVERVIEW

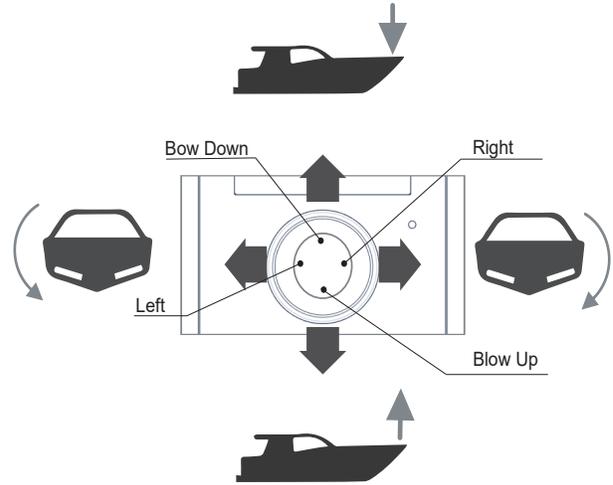


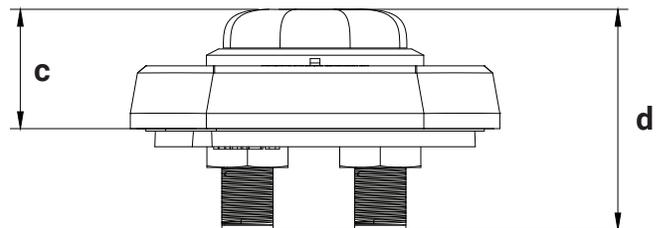
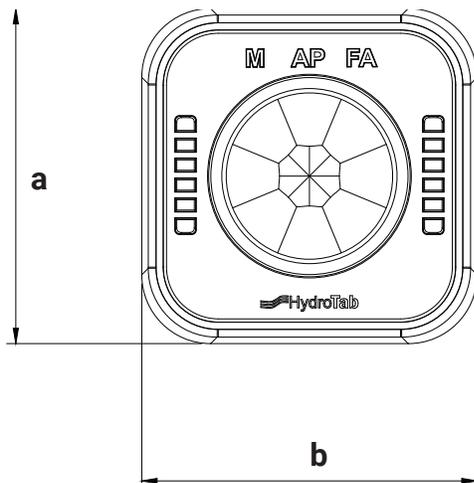
Fig. 1A (LEFT): FILOS Overview Rendering | Fig. 1B (RIGHT): Manual Interceptor Operation Overview

FILOS Manual Controller - Overview		
1	System Operation Mode	<p>1. Manual: Manual operation of the interceptors.</p> <p>2. Auto Pitch: Interceptors position adjusted, according to the current vessel speed.</p> <p>3. Full Auto: Auto Pitch & Roll Operation, for optimal cruising behavior. (See Note 2).</p>
2	LED Gauge Column	Interceptor Deployment Indication
3	Multi functional Joystick Button	<p>Slide (up, down, left, right) to operate the interceptors manually (Fig. 1B).</p> <p>Slide (up left) to switch between the Operation Modes (illuminated accordingly).</p> <p>Slide (up right) twice, to switch between Day/Night Mode.</p> <p>Slide (up right) & hold for 2 seconds, to change the LEDs' color.</p> <p>Slide (up right) & hold for 10 seconds, to calibrate the interceptors (See Note 1).</p>

! IMPORTANT NOTES:

- 1) Before the first use of FILOS Controller, it is strongly recommended to calibrate the interceptors.
- 2) FILOS Controller operates **EXCLUSIVELY** on Manual Mode, as a standalone device. If it is installed in an already existing NMEA Network that contains "TheHUB", or "MOBY Controller", then, all the Operation Modes become available to the boat's operator.

DIMENSIONS



External Dimensions	
Length (a)	77 mm
Width (b)	77 mm
Height (c)	25 mm
Height w/ NMEA Ports (d)	46 mm

MOUNTING INSTRUCTIONS



1

1) Unhinge **carefully** and lift the controller's top body cover.



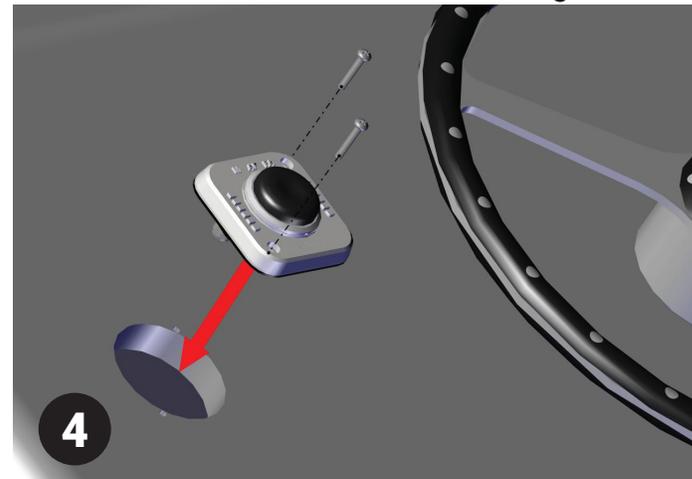
2

2) Place the "FILOS Drilling Pattern" in the desired position, preferably a clean and easy-to-access area, close to the vessel's steering wheel.



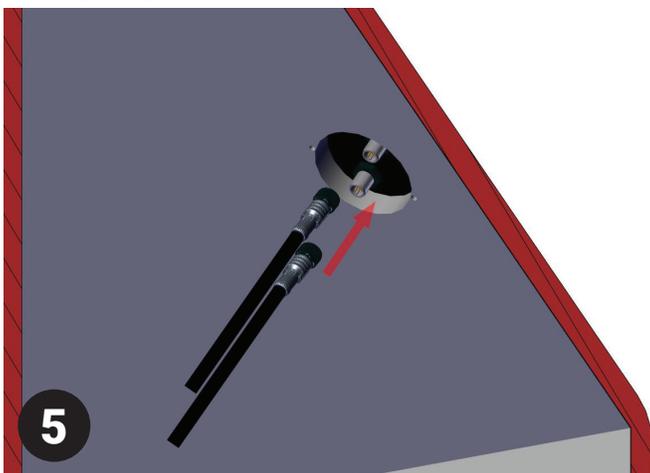
3

3A) Drill the 2 diagonal holes, according to the provided drilling pattern, with 4 mm bore.
3B) Drill the central hole, with a Ø67mm Hole Saw Drill Bit.



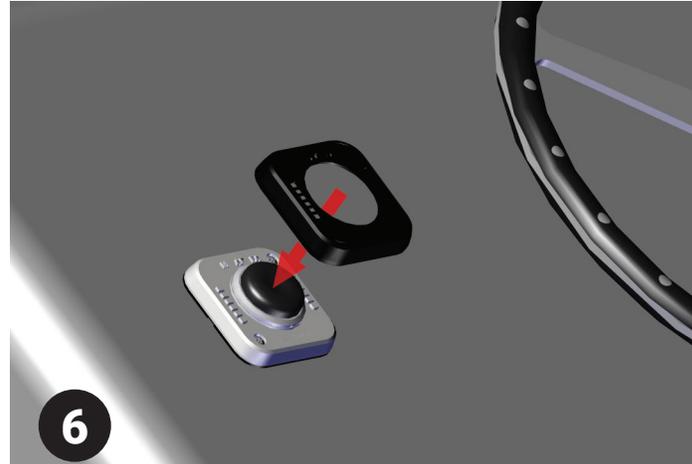
4

4) Place the device onto position, and mount it, with the provided screws.



5

5) Mount the connection plugs in the 5-pole ports.

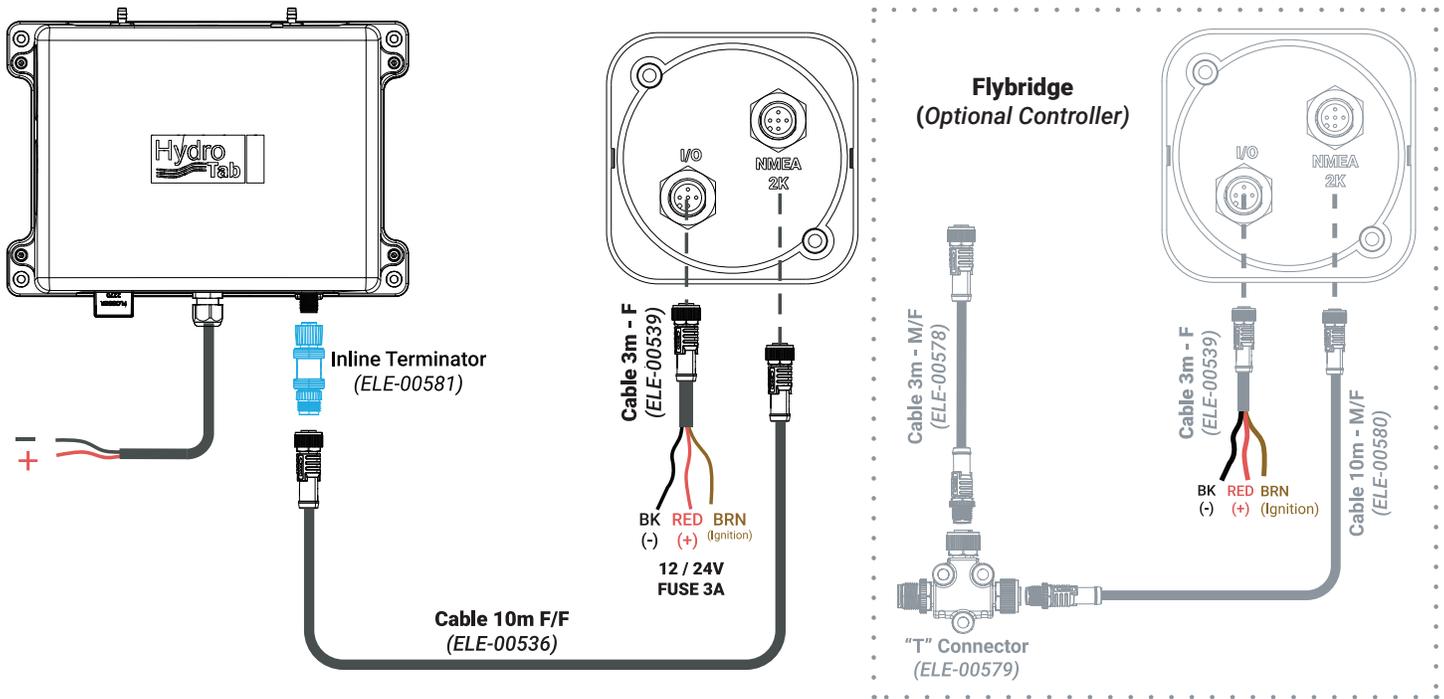


6

6) Place the controller's top body cover, until you hear it "clicking" onto position.

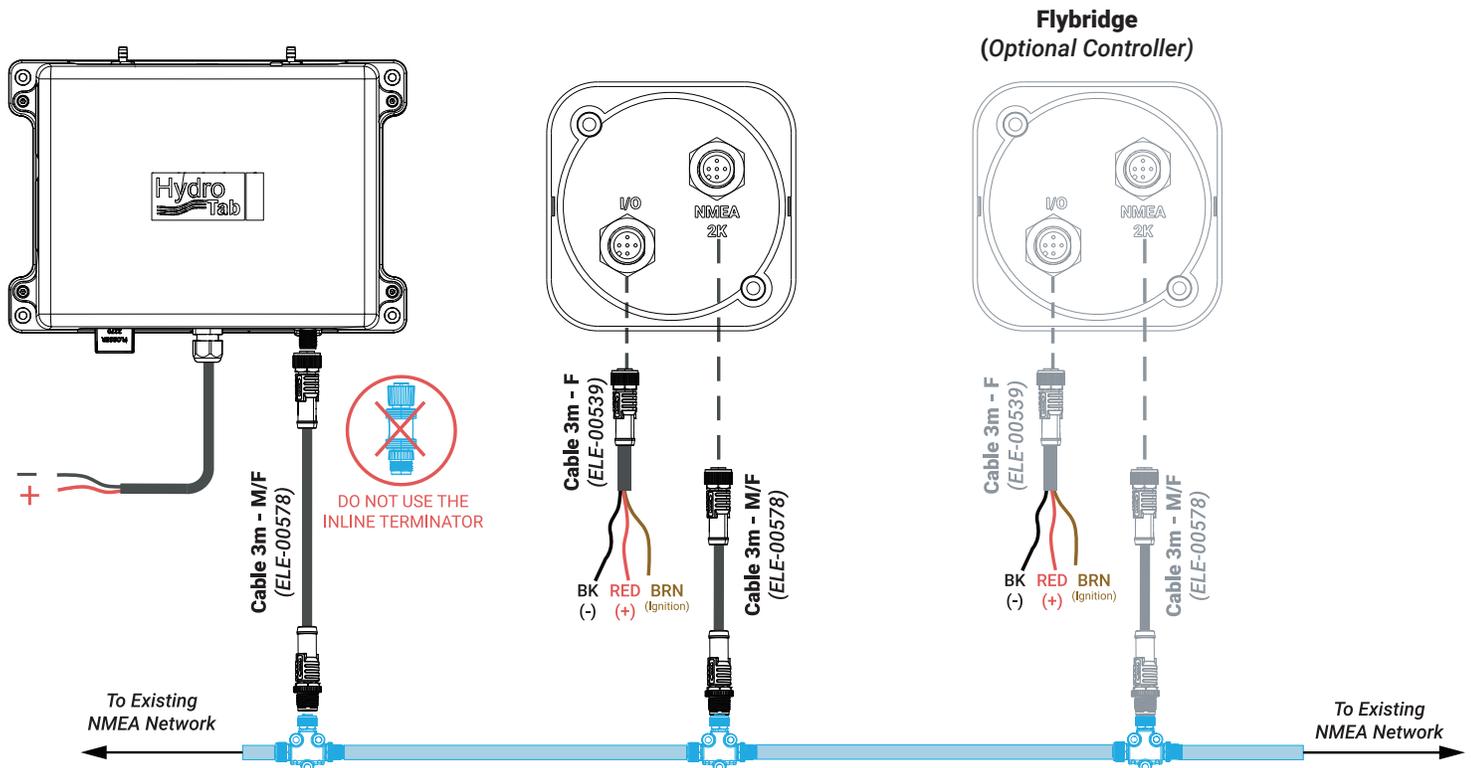


DIRECT INSTALLATION DIAGRAM



NOTE: If there is no ignition signal available, connect the **BROWN (E)** wire together with the **RED (+12V DC)** wire.

INSTALLATION ON EXISTING NMEA NETWORK DIAGRAM



NOTE: If there is no ignition signal available, connect the **BROWN (E)** wire together with the **RED (+12V DC)** wire.

WARRANTY CONDITIONS

FW, TS and BT Series Interceptor Units (**NOT complete systems**) are covered by a 5-year Warranty.

SR Series Interceptor Units (**NOT complete systems**) are covered by a 2-year Warranty.

Recoil springs, electrical/electronic parts & devices are covered by a 2-year warranty.

Anodes (consumables) are not included in the warranty (for BT, FW, TS Series).

HydroTab's warranty only covers the costs of repair or spare part replacement.

It is the sole responsibility of the buyer to choose the correct system, and even after HydroTab's suggestion for a system, the overall responsibility lies to the end buyer.

Provided that the system is installed, according to the provided installation manual, and no damage has been caused, due to improper handling or practices, HydroTab will replace any defective or improperly manufactured parts, within the applicable warranty period.

HydroTab only covers the parts' replacement. **Fitting or shipping costs are not covered by warranty.**

HydroTab will decide if the company will repair or replace any given part.

Repaired or replaced products will assume the remainder of the warranty time and **under no conditions will the full time of warranty be renewed.**

Limited warranty period is two (2) years, starting from the date the product ships out from HydroTab's premises.

Extended limited warranty period is provided in case:

- a) *HydroTab trim system is included as equipment of a newly purchased boat directly by from the boat builder or his reseller.*
- b) *HydroTab trim system has been purchased through an authorized Hydrotab dealer.*

The extended limited warranty period is valid for three (3) years from the shipping date, provided that the customer has downloaded, filled & submitted the online registration form within one month (30 days) from the purchase, from the following URL:

<https://www.hydrotab.gr/product-registration>

In case the dealer sells separately Interceptor Units, Air Units and/or Controller Units, that comprise a full system, which is not initially sold (as a complete system) by HydroTab, the dealer has the responsibility to provide the individual Serial Numbers for the Interceptors, Air Units and Controllers, as well as to guide the end user for their proper registration, in order for the extended warranty to be valid.

The authorized dealer is responsible for the product's service.

For any service and/or part replacement during warranty period, it is necessary to provide the original invoice. For the replacement of any part of the system (Interceptors, Air Units, Controllers etc.) under warranty, the replaced parts must be returned to HydroTab Marine Engineering for inspection, otherwise the warranty is not valid. Cost of dismantling / assembly and spare parts transportation is borne by the user.

The warranty does not foresee, under any circumstances, replacement of the complete HydroTab system.

What the warranty does NOT cover:

- a) *Damage caused by the lack or non-replacement of worn anodes (applies to BT, FW, TS Interceptor Series).*
- b) *Damage caused by improper installation and/or use not consistent with the manual.*
- c) *Damage with external visible deformation of the product caused by misuse of the user or other external causes.*
- d) *Damage to any component caused during transportation, installation or repair from non-authorized personnel.*
- e) *Conversions or modifications made after the initial sale.*

N. Triantafyllis Ltd (HydroTab Marine Engineering) is not liable for any incidental, indirect or consequential damages or losses, including, without limitation: travel expenses, transport, lifting & hauling, costs, loss of income, time, property, and/or profits, personal injury or damage of any products, different from those that the company distributes. Any further (except the above mentioned) commitment of the intermediate dealer regarding the sale terms or servicing of Hydrotab products does not create any liability of our company.



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