

Pilot Pad

Part number: 90-60-545 Pilot Pad White
90-60-546 Pilot Pad Carbon



USER MANUAL & INSTALLATION SHEET

V1.3

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1 INTRODUCTION

The **Pilot Pad** controls displays and manages the autopilot.

2 OPERATION

The **Pilot Pad** is given a node address, like a display. When the **Pilot Pad** is powered for the first time, the default address is 0 (factory setting). It will be necessary to define a node address for the Pilot Pad to be recognised and to operate on the Toplevel Bus.

(Refer to 3.1)

2.1 Description of the control keys

The **Pilot Pad** has 10 keys. They are used to control the display, to access the menus and to manage the Autopilot.



- **RED LED**

Led indicating the current mode for the **Pilot Pad** (display selection mode, set-up mode)
Flashes at each press.

- **PAGE** 

Use this key to navigate in various displays of the Toplevel range. Press and hold to access the display selection mode.

This key is also used to access the displays' menus, to scroll the pages and for the "back/return" function.



Press and hold (at least 3 seconds) to open the Menu page.

- **OK** 

This key is used to confirm a selection.



Press and hold (at least 3 seconds) to open the settings page for backlighting.

- **NAVIGATOR** 

Use the left and right arrows to select the display. It is also used to navigate in the menus and pages of the selected display.

- **AUTO** 

This key is used to engage the autopilot.



Press and hold this key to go directly to the Pilot Mode menu.

- **STOP** 

This key is used to disengage the autopilot.

- -1, +1, -10, +10 

Pressing on one of these keys modifies the course to steer by step of 1° or 10°.




Press and hold the 10° to tack.

- **MOB** 







Press and hold this key to trigger a Man Over Board function on the Topline bus.

3 SETTINGS OF THE *PILOT PAD*




3.1 Set up an address for the *Pilot Pad*

When the *Pilot Pad* is powered for the first time, the default address is 0, the LED flashes once per second, waiting for the operational node address. Press  to allocate an address.

If the *Pilot Pad* already has an address, there are two possibilities:


- You wish to allocate a new address:
Press  +  simultaneously until you hear an audible signal (3 seconds) and the LED flashes once per second. You've accessed the setup mode. To allocate a new address, press .
- You wish to set reset the default address (0):
To do this, press  +  simultaneously during 3 seconds, until you hear an audible signal and the LED flashes once per second. The address 0 is allocated to the *Pilot Pad* by pressing . This restores the setup as it was when the device was powered for the first time.

3.2 Key sound

Every time you press on a key on **Pilot Pad**, this generates a sound. This sound can be disabled by entering the setup mode with  +  during 3 seconds until you hear a Beep and then press the right arrow of . Repeat the procedure to activate the key sound.

4 USE IN A TOPLINE BUS









4.1 Selection of a display

To select a display with the **Pilot Pad**, press  until the second beep (5 seconds). You've accessed the selection mode. Then press on the left or right arrow to toggle between displays. You may press several times until you find the desired display.






This operation is required on the first use, as by default no display is selected.




- Select the TL25 :

Press on  until the second beep, then with  and left and right arrows you can select the TL25. Once the TL25 is selected, the upper line flashes. Press  to confirm this display is selected. Then you can modify the upper line using up and down arrows of . To change line, use . Press and long hold  to access the sub-channel. Press  to change the sub-channel. Press and hold long  to exit.


- Selecting Multigraphic:


Press  until you hear a second beep and choose a display using the left and right arrows of : Once Multigraphic has been selected, a remote control (version 2.3) or a yellow box (version 2.4) appears, then press  to confirm. The keypad works the same way as the one on the Multigraphic. Refer to the manual of Multigraphic V2.4 or newer.

- **Selecting Multidisplay:**

Press  until you hear a second beep and choose a display using the left and right arrows of : Once the Multidisplay has been selected, a yellow box appears and press  to confirm.
Refer to the Multidisplay manual.

4.2 **Autopilot ON / OFF**

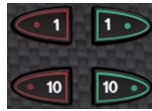
- To engage the autopilot, press 

- To disengage the autopilot, press 





Press and hold AUTO to go directly to the Pilot Mode menu.

4.3 **Course to steer**



Pressing on any of the four keys  alters the course to steer.

A long press on  or  (+10°) triggers an automatic tack.

5 INSTALLATION



WARNING

Turn the power supply **OFF** before doing any work on the **TOPLINE Bus**.

5.1 Pilot Pad packing list



- A **Pilot Pad** with a six metres cable.
- A protection cover.
- A Fixamo M14.
- A plastic M14 nut.

5.2 Wiring the Pilot Pad

- Connect the bus cable to a Topline junction box as follow:
 - White wire on "**+12 V white**" or "**+/white**"
 - Shield on "**GND**" or "**-/nu**"
 - Black on "**Data black**" or "**D/black**"

5.3 Mounting the *Pilot Pad*

There are several ways to mount the *Pilot Pad* :



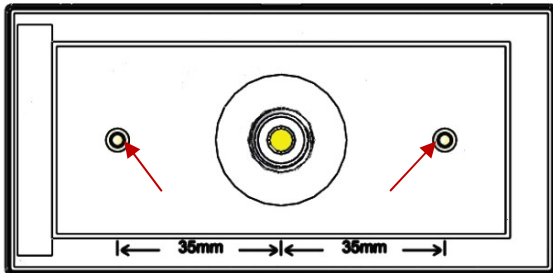
An 18 mm diameter hole is required to allow the cable running as well as the mounting kit.



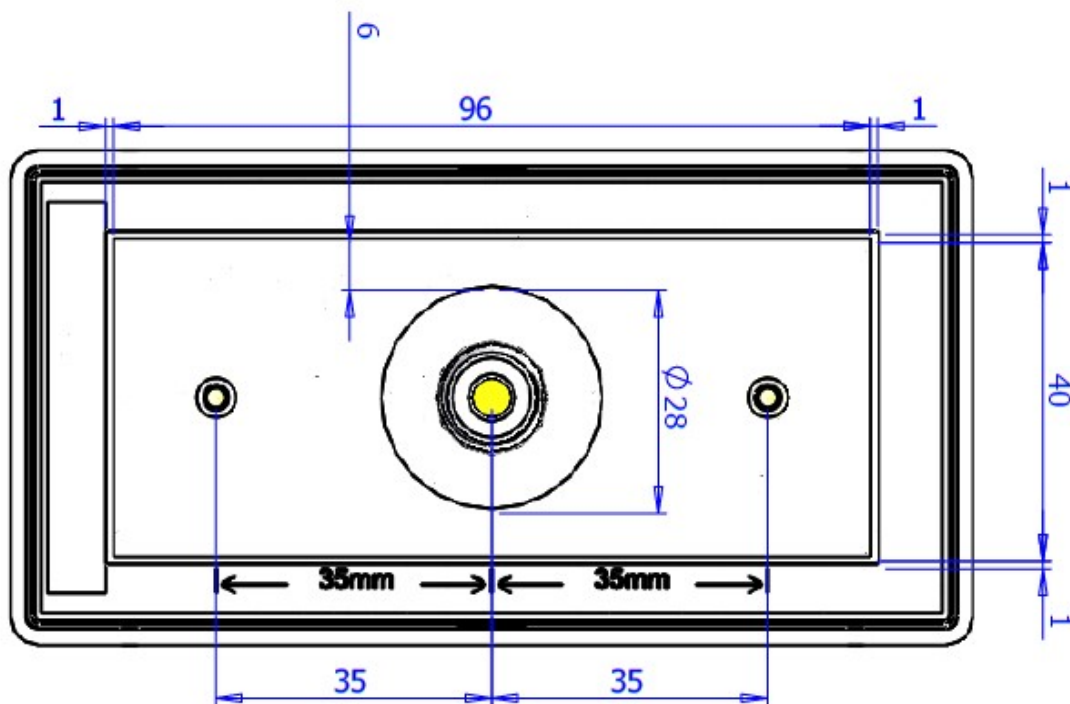
If the supporting surface is between 1 and 3mm: Screw the plastic nut by hand.



If the supporting surface is between 3.1 and 40 mm: Screw by hand the Fixamo to the unit and then the plastic nut.



Alternatively, you can use the two inserts at the back of the Pad, and screw two M3 screws.



DRILLING TEMPLATE

6 SPECIFICATIONS OF THE PILOT PAD

Parameter	Value
Dimensions	With protection cover (mm): 122 x 62 x 27 (Length x Width x Depth) Without protection cover (mm): 115 x 58 x 23 (Length x Width x Depth)
Mounting kit	- Hand-screw nut M14 (part Nr: 30-95-032) - Fixamo M14 (part Nr: 30-95-031)
Weight	350g with 6m of cable (32g/m) and protection cover
Power supply	8V – 32V DC
Operational consumption @ 12 V	< 30mA
Topline bus power cable	Ø5.5mm, 2 wires + ground, length 6m
Operational temperature	-10°C / 50°C
Storage temperature	-20°C / 60°C
Protection rate	IP7 waterproof to water projections

7 FIRMWARE EVOLUTION FOR THE *PILOT PAD*

REV	Date	Information
V1.0	21/06/2018	- Original version
V1.1	08/11/2018	- Bug correction for long auto shortcut - Possibility to acknowledge the TOPLINE Bus audible alarms - Compatibility with HR and Regatta processors
V1.2	11/03/2020	- Removal of standby of the pad
V1.3	09/07/2020	- Fixed address acquisition bug - Fixed pilot mode shortcut (press and hold auto)