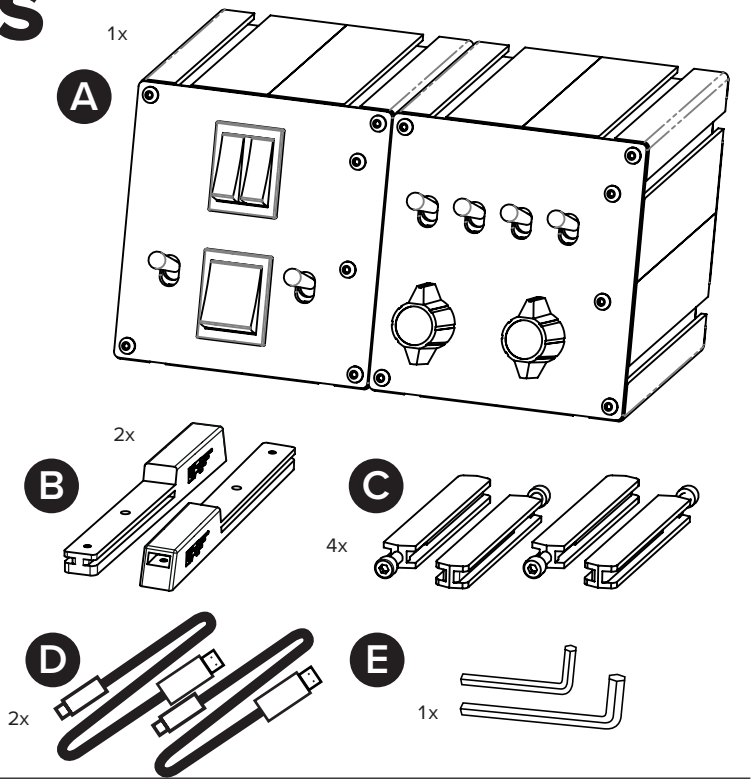
SWITCHO ENGINES

USER'S MANUAL

Rev. 2.0 - April 2024

1. IN THE BOX

A) SWITCHO ENGINES
B) Anti-slip legs
C) "H"connecting piece between modules
D) USB-A to USB-C Cable
E) Allen keys (n.2, n.3)



For support, contact us at
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BY AIRCATGLOBAL

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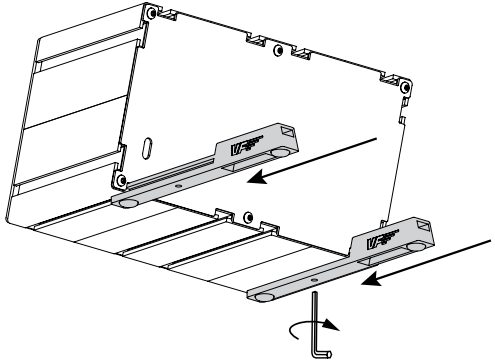
2. HARDWARE SETUP

2.1 FEET ASSEMBLY

Introduce both anti-slip legs (B) in the lower slots from the backside, as indicated below. Using the n.2 Allen key (H), tighten the screw on each anti-slip leg until you feel resistance.



2.2 ATTACHING TO FLIGHT SIMULATION SETUP

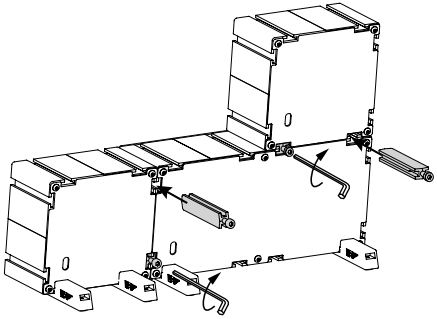
To secure your SWITCHO ENGINES into your desktop, simply place them the device on the surface it will rest, and the anti-slip legs will ensure it won't move.

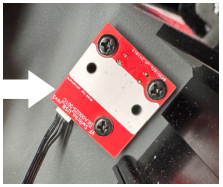
2.3 MODULE ASSEMBLY

If you own another SWITCHO module, you can combine the modules with the provided connecting pieces (C).

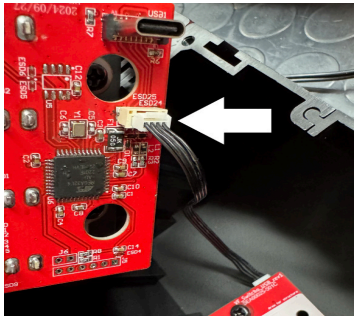
The modules can be combined forming rows and columns. Expand your SWITCHO Family and configure it to your preferences.

Join the modules you want to combine and introduce the connecting pieces (C) as displayed below. Tighten the screw with n.3 Allen key (H) until you feel resistance.

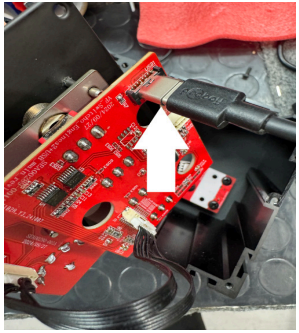




! **It is not necessary to unscrew this component**



Disconnect this cable by pressing the **tab** and **carefully** pulling it toward you. Once disconnected, use the **USB-C port** located right next to it to **connect** your **PC directly to the board.**



2.4 CONNECTING TO PC

Connect both USB cables to the back of the SWITCHO ENGINES and the computer where the flight simulator software is running.

3. SOFTWARE SETUP

Microsoft Flight Simulator PREPAR3D XPLANE

The SWITCHO ENGINES shipped before March 2024 interact with any computer without an HID protocol. After that, the devices interact with any computer as a joystick (HID) so it is compatible with any flight simulation software. Users will automatically be given the option to upgrade their SWITCHO devices automatically through VFHub if they have the old version. The process takes less than 1 minute.

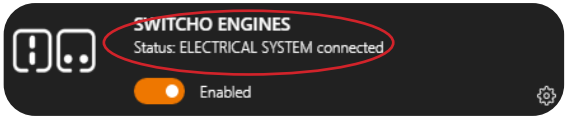
Below are presented two options for setting up your SWITCHO ENGINES with the most popular flight simulation softwares: MSFS, Prepar3D$_{V4-V5}$ and X-Plane 11/12. Note that for SWITCHO ENGINES that have not been upgraded to HID version via VFHub, only OPTION A is possible to get your device working.

OPTION A: Using VFHub (Windows Only) - Recommended

VFHub is the software developed by Virtual Fly to simplify setting up our products. With VFHub, you can fly your favorite flight simulation software without worrying about configuring your Virtual Fly flight controls.

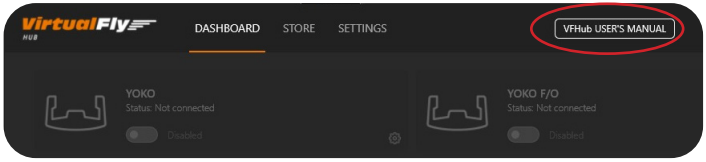
You can download the latest VFHub version from this link: https://www.virtual-fly.com/setup-support. The VFHub installer takes care of installing VFHub and all the required modules. VFHub is compatible with MSFS, Prepar3D$_{V4-V5}$ and X-Plane 11/12.

After installing VFHub, make sure your SWITCHO ENGINES is connected to your computer. Run VFHub, and verify that the TQ6 status displayed in the Dashboard is “Connected”:



VFHub takes care of making your SWITCHO ENGINES work with MSFS and X-Plane 11/12, so it **must always be running** when you use the SWITCHO ENGINES.

> **!** To **customize** how your SWITCHO ENGINES works, select the **device’s options button** (⚙) in **VFHub’s Dashboard**. For detailed instructions on all the tuning and customization possibilities, **check the USER’s MANUAL button in the VFHub software.**



> **!** Make sure to use **set up a blank profile to the SWITCHO ENGINES in the controls or joystick menu of the simulation software** you are using. You can find the detailed steps in:
>
> https://downloads.virtual-fly.com/docs/vfhub/latest/setting_up_a_blank_profile.pdf

OPTION B: In-game Configuration

Below, you have a general scheme to set up your SWITCHO ENGINES with the most popular flight simulation software: MSFS, Prepar3D, and X-Plane 11/12.

MSFS

Open MSFS and go to the options menu. Select controls menu and choose the SWITCHO ENGINES device from the list that appears. Once selected you can assign the button as you prefer.

Prepar3D

Open Prepar3D and go to the “Options” menu. Locate the “Key Assignments” and “Axis Assignments” and select the “SWITCHO ENGINES” from the Controller list. Assign the axes as you please.

> **!** Make sure the **“Enable Controllers” option** inside Options/Controls **is enabled**.

X-Plane 11/12

Open X-Plane and go to the Settings\Joystick sub-menu, select the SWITCHO ENGINES from the device list and follow the steps for setting up your device.