TQ6 & TQ6+

USER'S MANUAL

Rev 2.3 - September 2024

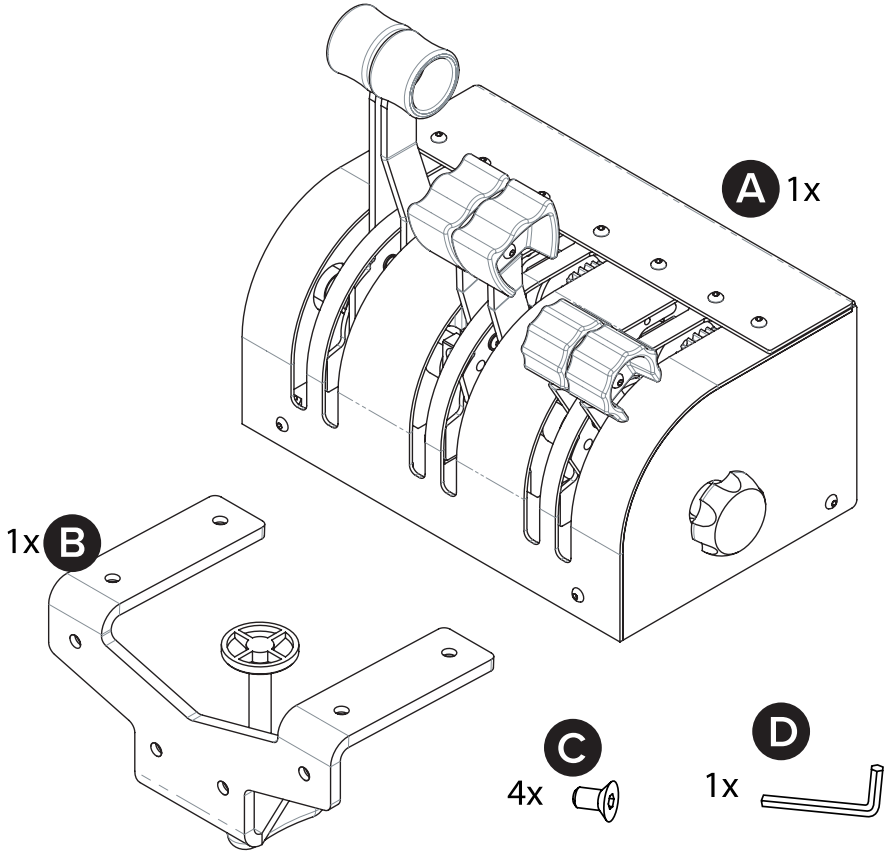
1. IN THE BOX

A) TQ6 / TQ6+

B) Clamp

C) Allen Screws

D) Allen Key



For support, contact us at
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BY AIRCATGLOBAL

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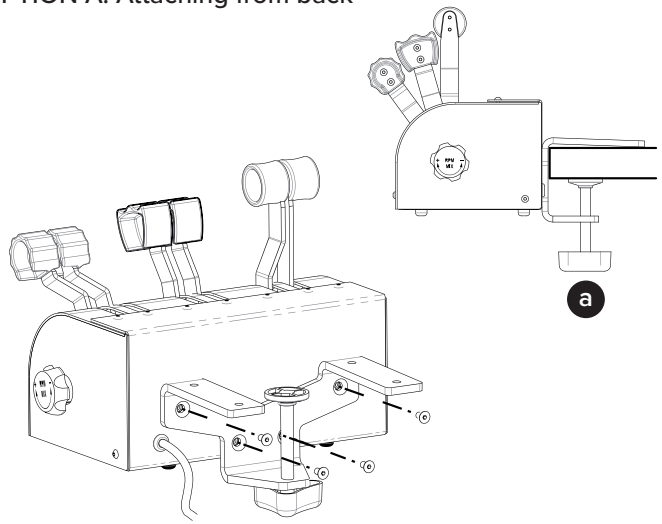
2. HARDWARE SETUP

2.1 ATTACHING TO DESKTOP/HOME COCKPIT SETUP

You have two options to attach the TQ6/TQ6+ using the included clamp (B) and allen screws (C). For both options, place the TQ6/TQ6+ on the surface it will rest and thighten the knob (a) until you feel strong resistance.

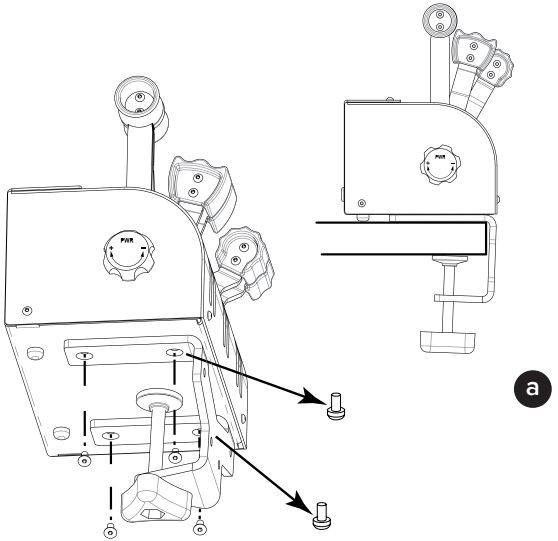
! Use the provided Allen screws (C) and Allen key (D).

OPTION A: Attaching from back



OPTION B: Attaching from bottom

! Make sure to unscrew the two rubber feet before setting up the clamp.



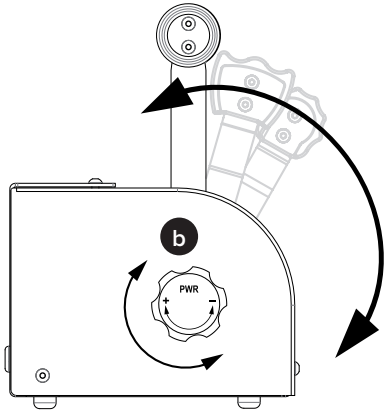
2.2 CONNECTING TO PC

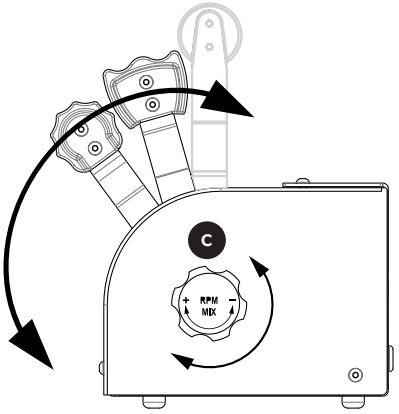
Connect the integrated USB cable from the TQ6/TQ6+ to the computer where the flight simulation software is running.

2.3 ADJUSTING THE LEVER'S HARDNESS

Your TQ6/TQ6+ offers the possibility to adapt the levers' hardness to your preference.

You can do so by rotating the knobs, (b) or (c), as seen in the following diagrams. Knob (b) adjusts the PWR lever, whilst konb (c) adjusts the RPM and Mixture levers. These knobs are located on the left and right sides of the TQ6/TQ6+. Once you have adjusted the knobs, move all the levers simultaneously from top to bottom, at least five times, to distribute the hardness.





3. SOFTWARE SETUP

Microsoft Flight Simulator PREPAR3D XPLANE

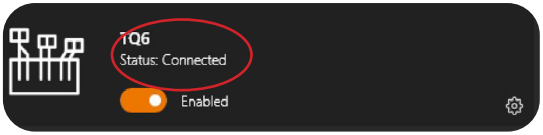
The TQ6/TQ6+ interacts with any computer as a joystick (HID), so it is compatible with any flight simulation software. Below, you have 2 options for setting up your TQ6/TQ6+ with the most popular flight simulation software: MSFS, Prepar3D, and X-Plane 11/12.

OPTION A: Using VFHub (Windows Only) - Recommended

VFHub is the software developed by Virtual Fly to simplify setting up our products. Thus, it is the recommended software to set up your TQ6/TQ6+. With VFHub, you can fly your favorite flight simulation software without worrying about configuring your Virtual Fly flight controls.

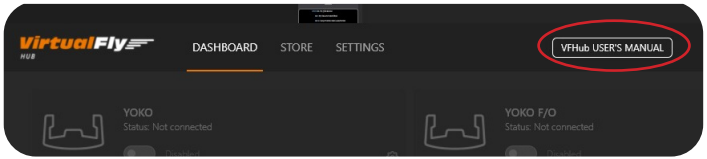
You can download the latest VFHub version from this link: https://www.virtual-fly.com/setup-support. The VFHub installer takes care of installing VFHub and all the required modules. VFHub is compatible with MSFS, Prepar3D$_{V4\text{-}V5}$ and X-Plane 11/12.

After installing VFHub, make sure your TQ6/TQ6+ 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 TQ6/TQ6+ work with MSFS, Prepar3D$_{V4\text{-}V5}$ and X-Plane 11/12, so it **must always be running** when you use the TQ6/TQ6+.

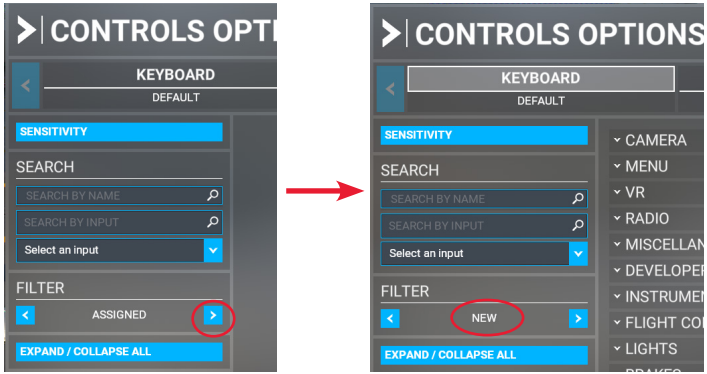
! If your device is a TQ6 **non-PLUS version**, make sure to **calibrate** the device in VFHub. **For more details, check the USER’s MANUAL button in the VFHub software:**



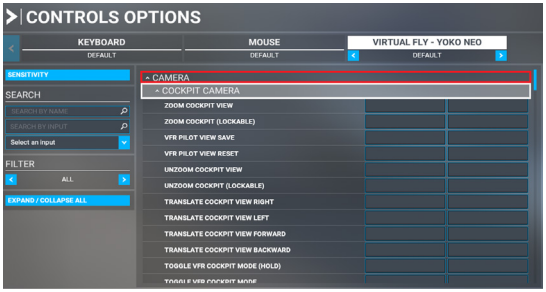
! Make sure to use **set up a blank profile to the TQ6/TQ6+ in the controls or joystick menu of the simulation software** you are using. You can find the detailed steps in: https://downloads.virtual-fly.com/docs/vfhub/latest/setting_up_a_blank_profile.pdf

! To operate **turboprop** aircraft un **MSFS** it is necessary to **assing both condition levers as “CONDITION AXIS LEVER 1“ and “CONDITION AXIS LEVER 2“:**

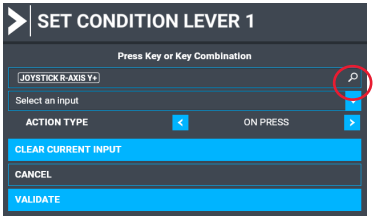
1. Press the arrow in the “FILTER” section indicated below to go from the “ASSIGNED” tab to the “NEW”, so that the full list of functions is displayed.



2. Pull down the **CAMERA - COCKPIT CAMERA sub-menu.**



3. Scroll down in the POWER MANAGEMENT submenu until you find the CONDITION LEVERS sub-menu, and click the box to the right of **SET CONDITION LEVER 1**.
4. The “SET CONDITION LEVER 1” menu will appear and you must press the “**select an input**”.



5. Scroll down in the dropdown list and select **JOYSTICK R-AXIS Y+**.
6. Press the **VALIDATE** button.
7. Repeat the previous steps for the other lever, assigning the function to the axis shown below

- SET CONDITION LEVER 2 ➔ JOYSTICK R-AXIS Z+

If everything went correctly you should see the following on the configuration screen.

Press **APPLY AND SAVE** (menu below) to save the changes done.

! If your TQ6/TQ6+ behaves incorrectly in MSFS, you **must calibrate the TQ6/TQ6+ in the Windows Calibration Page.**

If you want to **customize** how your TQ6/TQ6+ 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.**

OPTION B: In-game Configuration

The reverse zones are not available with the in-game configuration for MSFS and Prepar3D.

Below, you have a general scheme to set up your TQ6/TQ6+ with the most popular flight simulation software: MSFS, Prepar3D, and X-Plane 11/12.

If you own a TQ6 **non-PLUS version**, you must **calibrate** your device using Windows Calibration.

MSFS

If you own a TQ6 **PLUS version**, your device is ready to be used in MSFS. If you own a TQ6 **non-PLUS version**, open MSFS and go to the options menu. Select the controls menu, chose the TQ6 from the device list, and assign the axes as you please.

Prepar3D

Open Prepar3D and go to the "Options" menu. Locate the "Key Assignments" and "Axis Assignments" and select the "TQ6/TQ6+" from the Controller list. Assign the axes as you please. Calibrate the device following the instructions inside "Control Calibration".

Make sure the **"Enable Controllers" option** inside Options/Controls **is enabled**.

X-Plane 11/12

You will only need to calibrate your TQ6/TQ6+ inside X-Plane 11/12, since axes and reverse zones are automatically assigned. Open X-Plane and go to the Settings\Joystick sub-menu, select the TQ6/TQ6+ from the device list and follow calibration steps for your device.