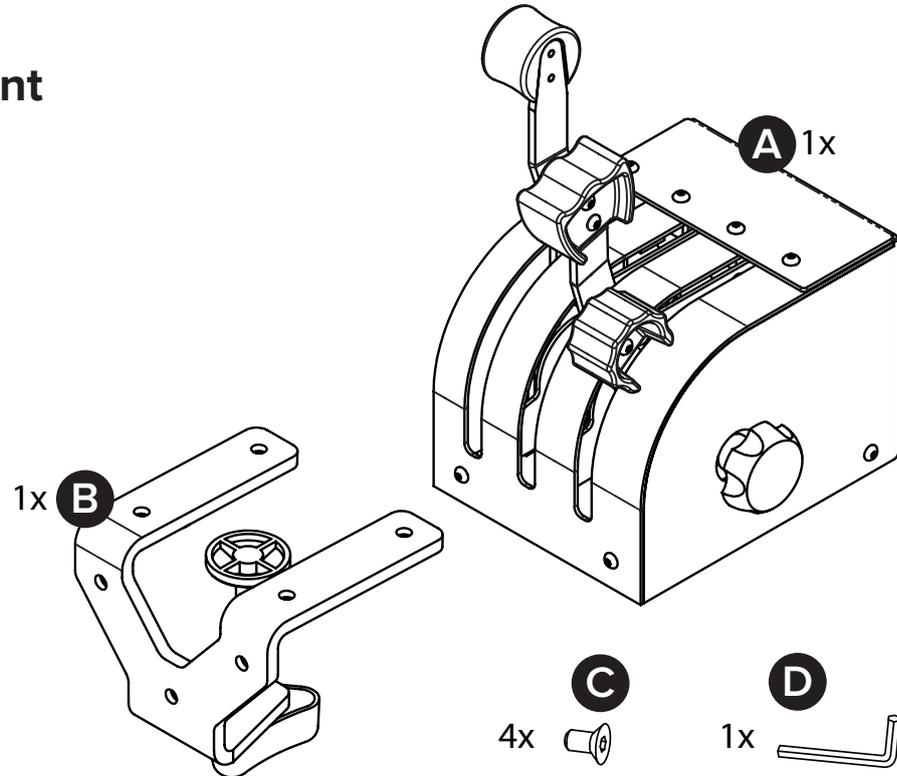


TQ3+ Throttle Quadrant

USER'S MANUAL

Rev. 1.1 - October 2018

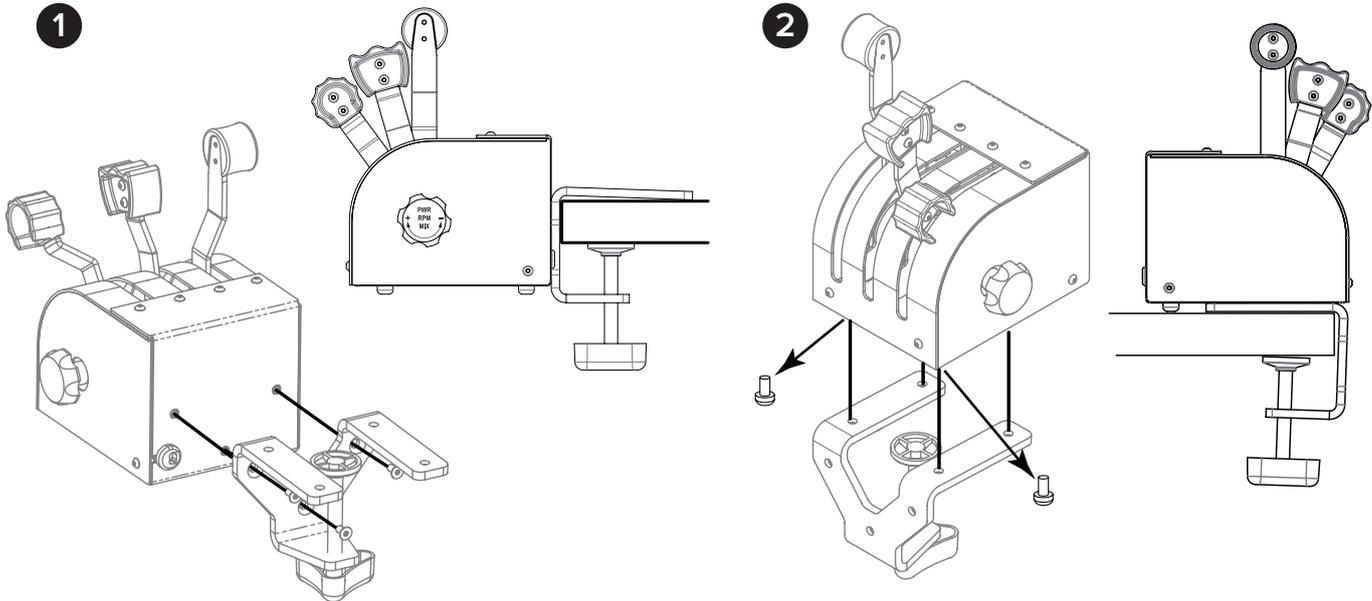


1. PACKAGE LIST

- A) TQ3+ Throttle quadrant
- B) Clamp for TQ3+
- C) Screws for clamp
- D) Allen key

2. CLAMP ASSEMBLY

You have two ways for assembling the clamp: (1) on the back or (2) on the bottom, to get the best position for you. If you choose the bottom position, you must unscrew the two front rubber feet before you screw the clamp.



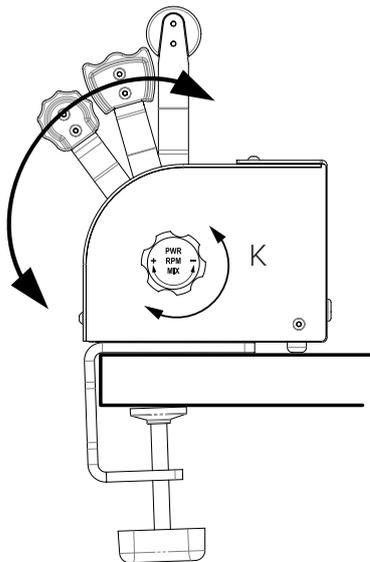
Connect the USB cable to the computer where the flight simulator software is running.
It is not necessary the calibration on windows because the device is calibrated from factory.

3. CONTROLS

Adjusting the lever's hardness

If you want you can adjust the lever's hardness tightening the wheel (K) located on the right side of the device.

Once you have adjusted the knob, move the 3 levers all the way at the same time, from top to bottom, at least 10 times. This operation is necessary to distribute adequately the same strength in the 3 levers.



4. CALIBRATION ON WINDOWS



It is not necessary the calibration on windows because the device is calibrated from factory but you can use the calibration Windows tab to test the device.

5. CONFIGURATION ON FLIGHT SIMULATION SOFTWARE

As the TQ3⁺ control interacts with any computer as a normal HID device (Joystick), this make it compatible with any FLIGHT SIMULATOR software. The follow tables tells how to configurate the TQ3⁺ on the most popular FLIGHT SIMULATOR software, FSX-Prepar3D and X-Plane.

FSX-Prepar3D

TQ3⁺ Configuration options on FSX-Prepar3D

Through **VFTest&Calibrate-S** on Prepar3D *(only compatible with Prepar3D V3-V4)*. You have to use VF-Test&Calibrate-S Soft downloadable from our web-site:
www.virtual-fly.com/en/downloads

*Full functionality:
Throttle-Rev, Propeller-Fth, Mixture-CutOFF.*

1. Open **Prepar3D**, go to Controls menu, axis assignments section and select TQ3⁺ from the devices list. Delete all axis assignments. Close and open Prepar3D again to make sure that settings have been saved.
2. Open **VFTest&Calibrate-S** software, go to TQ3 tab and select the device from the devices list at right side.
3. Calibrate IDLE point and save changes.
4. VFTest&Calibrate-S has to be running when using TQ3⁺ because this software reads the data from the device and send it to Prepar3D so **each time you start Prepar3D, you have to run VFTest&Calibrate-S as well**. You can use Windows Scheduler to start VFTest&Calibrate-S automatically.

Through **FSX-Prepar3D** controllers menu.



Is not advisable

*Only functionally:
Throttle, Propeller and Mixture.
Rev, Fth, CutOFF zones may not match*

1. Open **FSX-Prepar3D**, go to Controls menu, axis assignments section and select TQ3⁺ from the devices list. Assign the axes and do the calibration according the instructions shown.

Through **FSUIPC** menu on FSX-Prepar3D.

*Full functionality: Throttle-Rev,
Propeller-Fth, Mixture-CutOFF.*

1. Install **FSUIPC** if not installed.
Registration required.
2. Open **FSX-Prepar3D**, go to Controls menu, axis assignments section and select TQ3⁺ from the devices list. Delete all axis assignments. Close and open FSX-Prepar3D again to make sure that settings have been saved.
3. Go to FSUIPC Menu and assign each axis to throttle, propeller and mixture. Only use "Axis Throttle set", "Axis Propeller set", and "Axis Mixture set".
4. Go to Joystick calibration tab of FSUIPC and calibrate Max, IDLE and Rev or Fth or Cut-off.

TQ3+ Configuration options on **X-Plane**

X-Plane

You have to use the Soft VF-Test&Calibrate-X
downloadable from our web-site:
www.virtual-fly.com/en/downloads

*Full functionality:
Throttle-Rev, Propeller-Fth, Mixture-CutOFF.*

Let you know that PROPELLER and MIXTURE axes must be configured on X-Plane menus and THROTTLE axis must be configured on VF-Test&Calibrate-X.

PROPELLER AND MIXTURE

1. Open **X-Plane** and go to Configuration\Joystick tab.
2. Select TQ3+ and calibrate the axes if required, only for the Propeller and Mixture axes (including FTH and CUT OFF zones).
3. Assign the according action for the Propeller and Mixture axis to Prop – Mixture and check "Reverse Axis".



Make sure that the TQ3+ Throttle axis is set to "none".

THROTTLE

4. Open **VF-Test&Calibrate-X** software, go to TQ3 tab and select the device from the devices list at right side.
5. Calibrate IDLE point of the THROTTLE and save changes.
6. VF-Test&Calibrate-X has to be running when using TQ3+ because this software reads the data from the device and send it to X-Plane so **each time you start X-Plane, you have to run VF-Test&Calibrate-X as well**. You can use Windows Scheduler to start VF-Test&Calibrate-X automatically.