VirtualFly
BY AIRCATGLOBAL

TQ6+ Throttle Quadrant
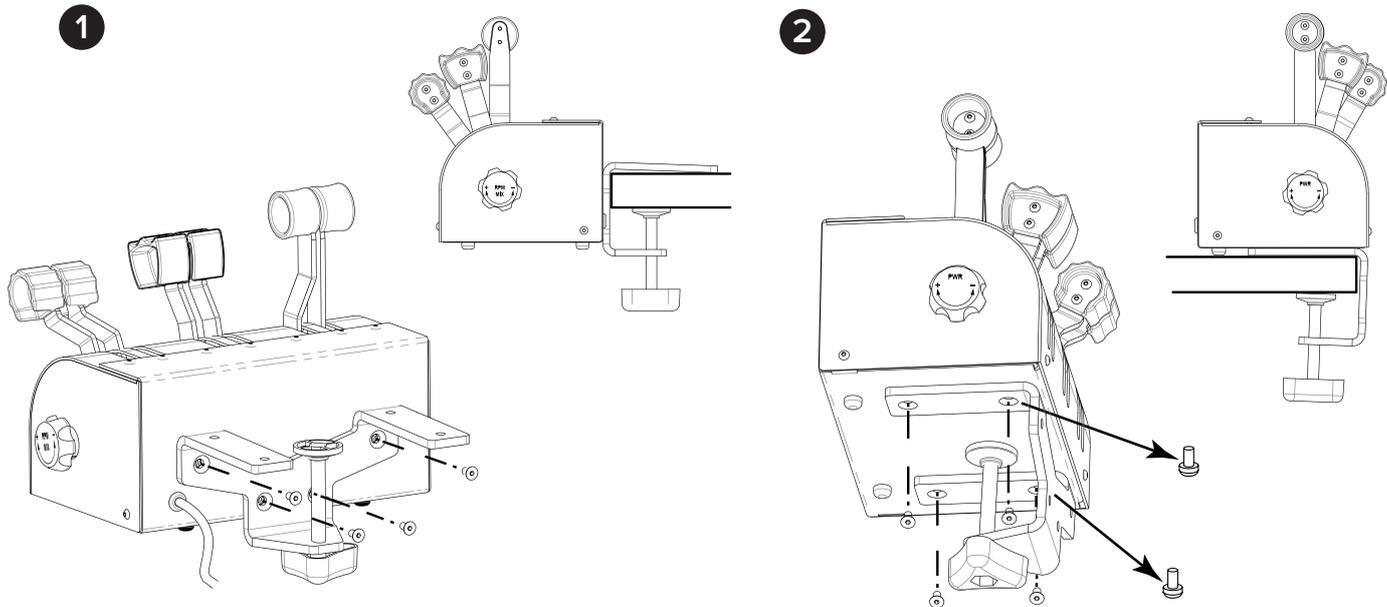## USER'S MANUAL

Rev. 1.0 - September 2018

A 1x

1x **B**
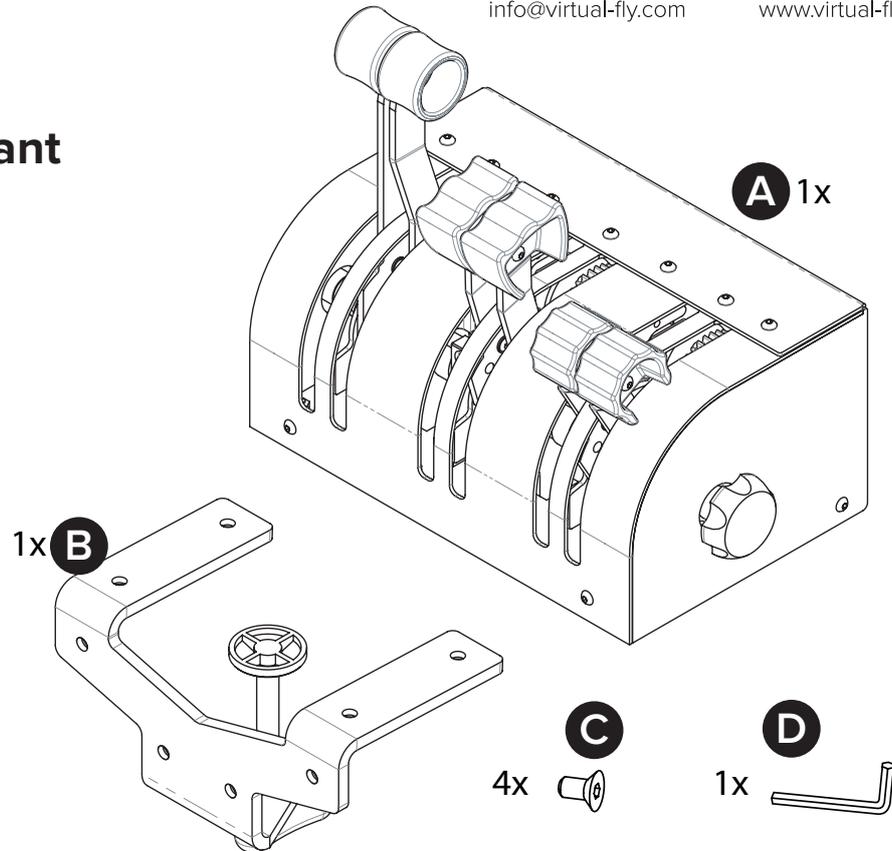
1. PACKAGE LIST

A) TQ6+ Throttle quadrant
B) Clamp for TQ6+
C) Screws for clamp
D) Allen key

C 4x

D 1x

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.
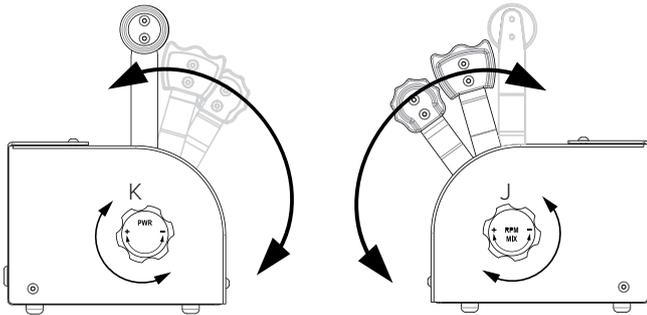

Connect the USB cable to the computer where the flight simulator software is running.
It is not necessary the calibration on windows because the device is calibrated from factory.

3. CONTROLS

Adjusting the lever's hardness

If you want you can adjust the lever's hardness tightening the wheels (K & J) located on the left and the right sides of the device.

Once you have adjusted the knob, move the 2 or 4 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 2 or 4 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 TQ6$^+$ 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 configure the TQ6$^+$ on the most popular FLIGHT SIMULATOR software, FSX-Prepar3D and X-Plane.

FSX-Prepar3D

TQ6$^+$ Configuration options on **FSX-Prepar3D**

Through **VFTest&Calibrate-S** on FSX-Prepar3D. You have to use the Soft VF-Test&Calibrate-S downloadable from our web-site: **www.virtual-fly.com/en/downloads**	Through **FSX-Prepar3D** controllers menu. ! Is not advisable	Through **FSUIPC** menu on FSX-Prepar3D.
Full functionality: Throttle-Rev, Propeller-Fth, Mixture-CutOFF.	*Only functionally: Throttle, Propeller and Mixture. Rev, Fth, CutOFF zones may not match*	*Full functionality: Throttle-Rev, Propeller-Fth, Mixture-CutOFF.*
1. Open **FSX-Prepar3D**, go to Controls menu, axis assignments section and select TQ6$^+$ from the devices list. Delete all axis assignments. Close and open FSX-Prepar3D again to make sure that settings have been saved. 2. Open **VFTest&Calibrate-S** software, go to TQ6 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 TQ6$^+$ because this software reads the data from the device and send it to FSX-Prepar3D so **each time you start FSX-Prepar3D, you have to run VFTest&Calibrate-S as well**. You can use Windows Scheduler to start VFTest&Calibrate-S automatically.	1. Open **FSX-Prepar3D**, go to Controls menu, axis assignments section and select TQ6+ from the devices list. Assign the axes and do the calibration according the instructions shown.	1. Install **FSUIPC** if not installed. ***Registration required.*** 2. Open **FSX-Prepar3D**, go to Controls menu, axis assignments section and select TQ6$^+$ 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 Throttle1,2,3,4 set". "Axis Propeller1,2,3,4 set". And "Axis Mixture1,2,3,4 set". Do not use: Axis Throttle set, Axis Propeller set or Axis Mixture set. 4. Go to Joystick calibration tab of FSUIPC and calibrate Max, IDLE and Rev or Fth or Cut-off.

X-Plane

TQ6+ 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 configura-
ted on X-Plane menus and THROTTLE axes must be configurated on
VF-Test&Calibrate-X.

PROPELLER AND MIXTURE

1. Open **X-Plane** and go to Configuration\Joystick tab.
2. Select TQ6+ 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 axes to
   Prop1 – Prop2 – Mixture1 – Mixture2 and check "Reverse Axis".

   ! Make sure that the TQ6+ Throttle axes are set to "none".

THROTTLE

4. Open **VF-Test&Calibrate-X** software, go to TQ6 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 TQ6+ 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.