COCKPITFORYOU

READY TO TAKE OFF

INSTALLATION MANUAL FOR USING YOUR THROTTLE V3,V4,V5

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Installation manual for using your TQ

Thank you for purchasing the motorized version V3 of our new COCKPITFORYOU 737 throttle quadrant. It has been assembled and tested with the greatest care. To make the installation as convenient as possible for you, we tried to describe the installation process in great detail. Should you still experience difficulties with the setup or operation of your throttle quadrant, please do not hesitate to contact us via email or phone. In the near future we will release a video setup tutorial in addition to this manual that will guide you through all the necessary steps.

We hope you will have as much fun flying your new TQ as we had engineering and assembling it.

1.   Before getting started

- download CFY_TQ.zip latest version
- https://cockpitforyou.com /instructions

2.   Connecting your Throttlew

Your motorized butterfly comes with 1 Ethernet port
and 1 female PC power supply.
PC power supply (90-250V / 50-60Hz)

3. Please remove the protective covers for network coupler and potentiometer for backlight brightness adjustment.

Ethernet cable: Plug in the Ethernet cable into a free port of an Ethernet switch.
   Minimum requirement for switch is 100 Mbit.

3. installation software

1.   Create new folder "CFY" on drive C:
2.   Extract CFY_TQ.zip to C: CFY
3.   Create new folder "CFY_TQ" on drive C:
4.   In the folder C:\CFY double click the file "setup"

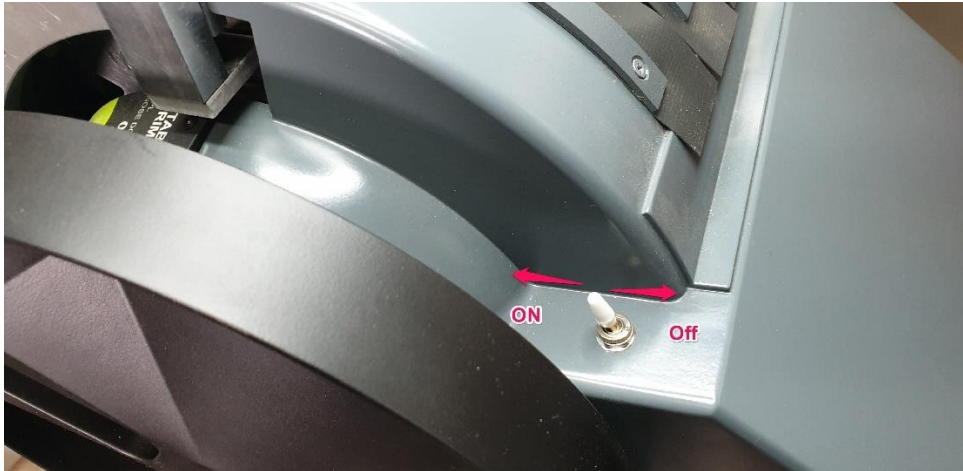| Name	Änderungsdatum	Typ	Größe
CFY TQ Console no Simconnect V1.9.2.zip	04.03.2021 16:58	WinZip File	3.397 KB
CFY TQ Setup.msi	02.03.2021 09:14	Windows Installer-Pa...	3.916 KB
setup.exe	02.03.2021 09:14	Anwendung	518 KB
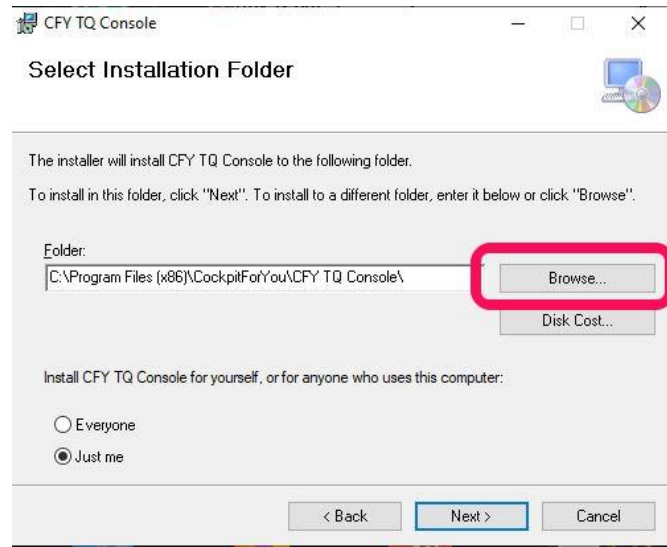
Change the installation folder in "C: CFY_TQ"
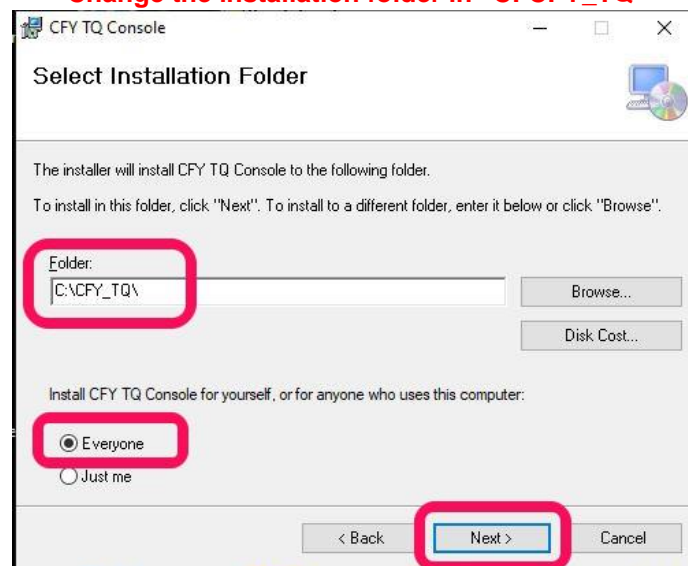
5. Press "Next" and follow installation instructions

6.   When the installation is complete and the TQ is connected to the network, please switch on the power supply of the TQ. A small switch in front of the flaps lever.



7.   Start the CFY Console in the CFY_TQ folder.

| Name	Änderungsdatum	Typ	Größe
737_Trim.wav	12.12.2017 18:16	WAV-Datei	193 KB
CFY Icon.ico	27.06.2016 12:52	IrfanView ICO File	146 KB
CFY Icon.jpg	27.06.2016 12:58	JPG-Datei	27 KB
CFY_TQ Console.exe	02.03.2021 10:14	Anwendung	1.750 KB
CFY_TQ Console.exe.config	29.04.2018 10:45	XML Configuration File	1 KB
CFY_TQ.log	20.03.2023 20:35	Textdokument	3 KB
CFY_TQ_CONFIG.xml	20.03.2023 20:35	XML-Dokument	2 KB
PoKeysDevice_DLL.dll	28.10.2016 13:10	Anwendungserweiter...	177 KB
PoKeysUpdate.exe	19.10.2016 05:35	Anwendung	1.322 KB
SharpDX.DirectInput.dll	30.05.2017 10:02	Anwendungserweiter...	153 KB
SharpDX.DirectSound.dll	30.05.2017 10:03	Anwendungserweiter...	56 KB
SharpDX.dll	30.05.2017 10:02	Anwendungserweiter...	271 KB
System.Net.Http.dll	28.05.2014 05:35	Anwendungserweiter...	82 KB

8. When you start the CFY Console for the first time, Calibration opens automatically. If this is not the case, click on the TQ Calibration button.
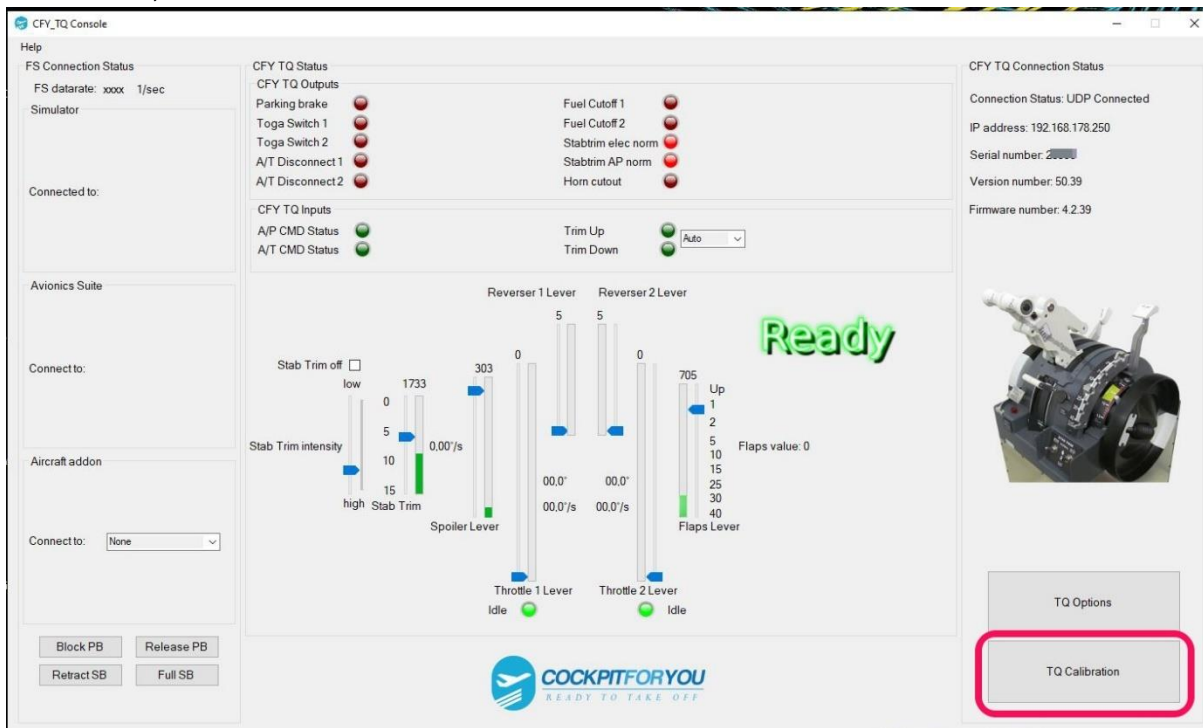

9. Now calibrate SpeedBrake, Rev 1, Rev 2 and Flaps in the order given. Bring the lever to the respective end position and click on the button. When you're done, click Done.
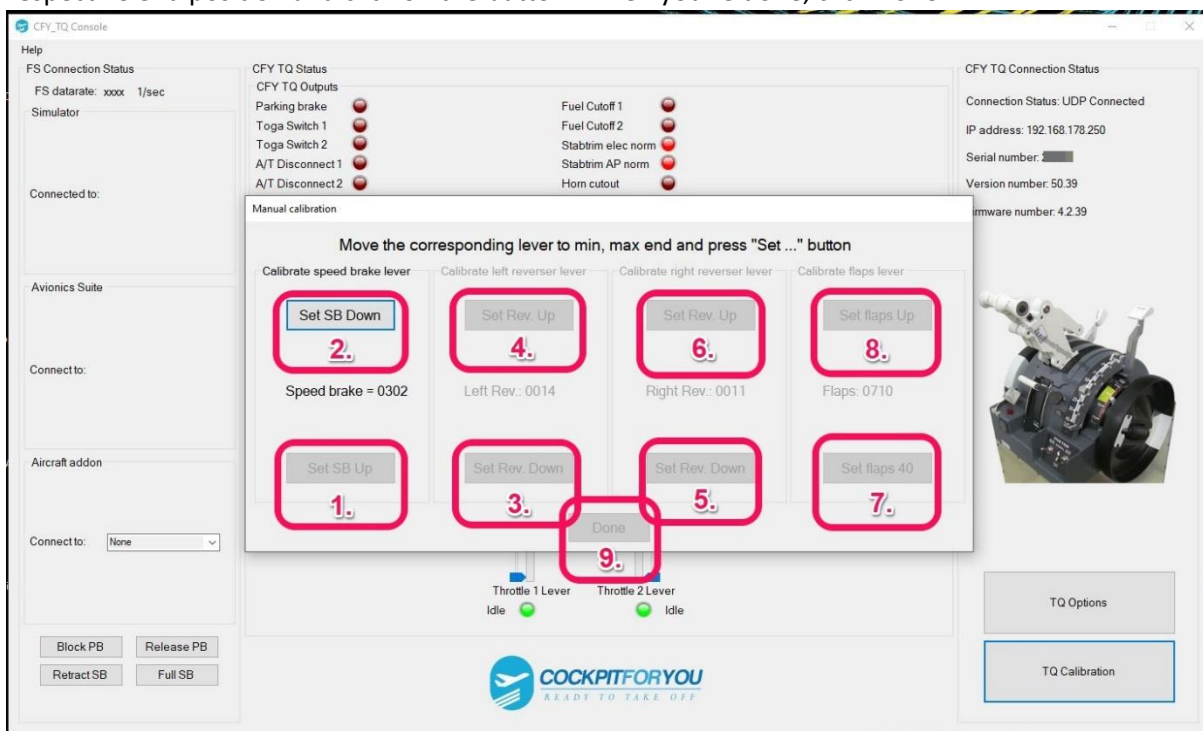
10. Now the automatic calibration of the trim wheels and the thrust levers 1 and 2 begins. Please confirm that REV 1 and 2 are in position Down and Press "Understood"
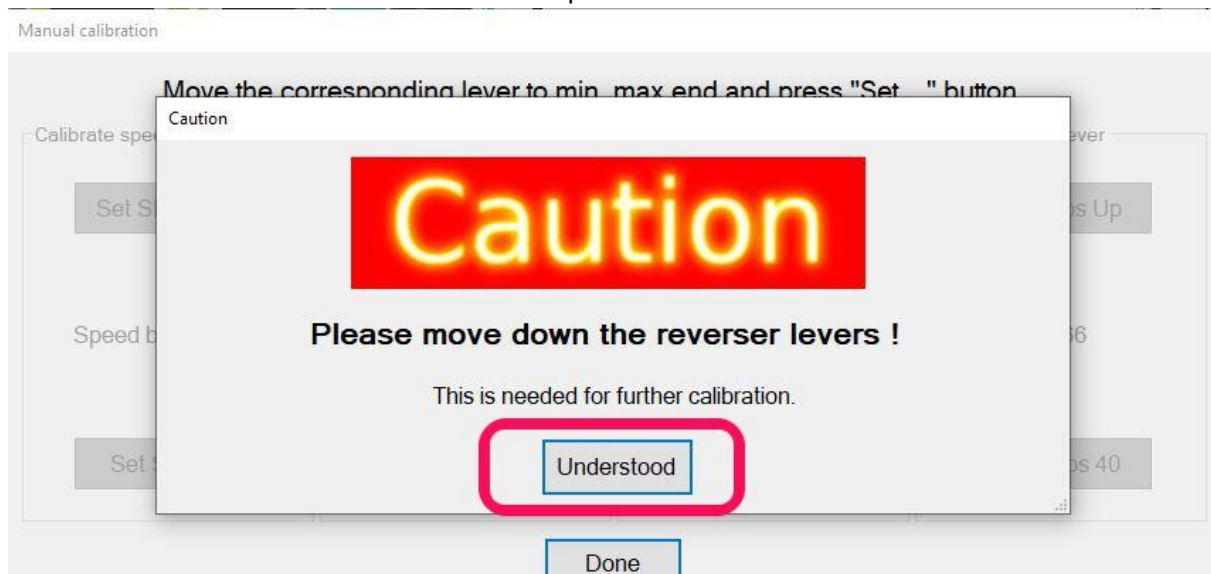
**11.** Now the TQ performs its automatic calibration.
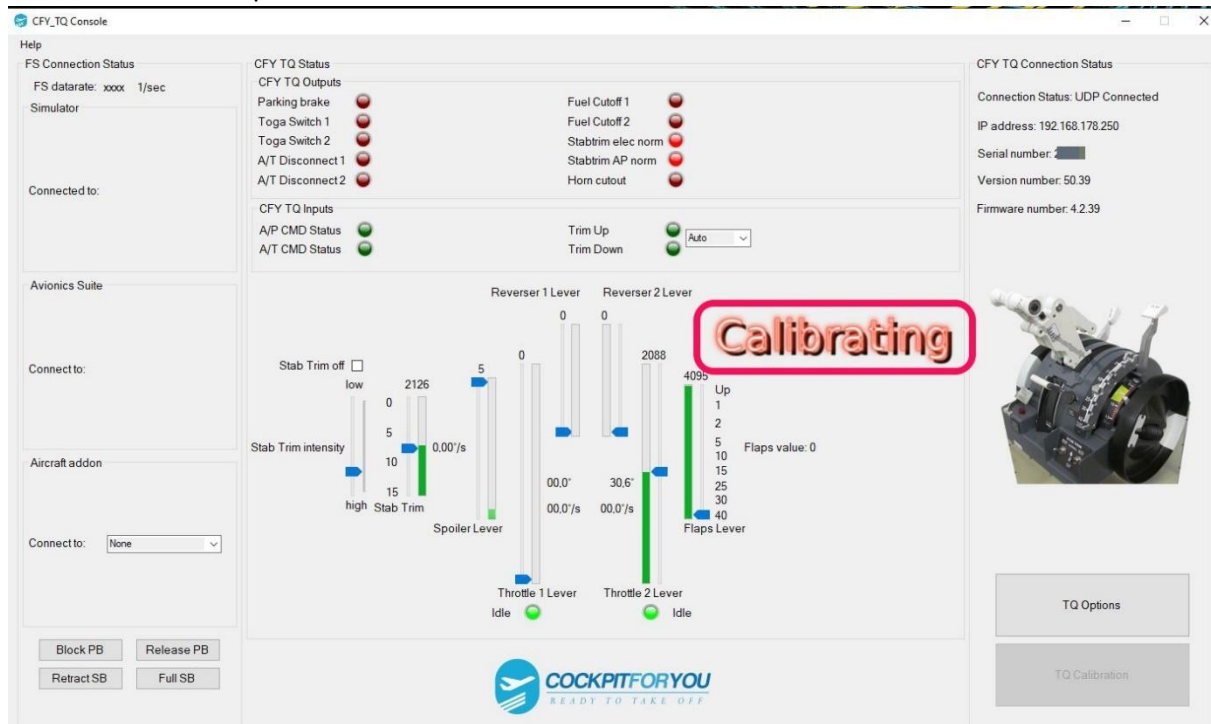
12. When the calibration is finished, the CFY Console will show Ready. Then click the TQ Options button.

13. Please switch from UDP Connection to TCP Connection and click the "Done" button The CFY Console must then be restarted for this setting to take effect.
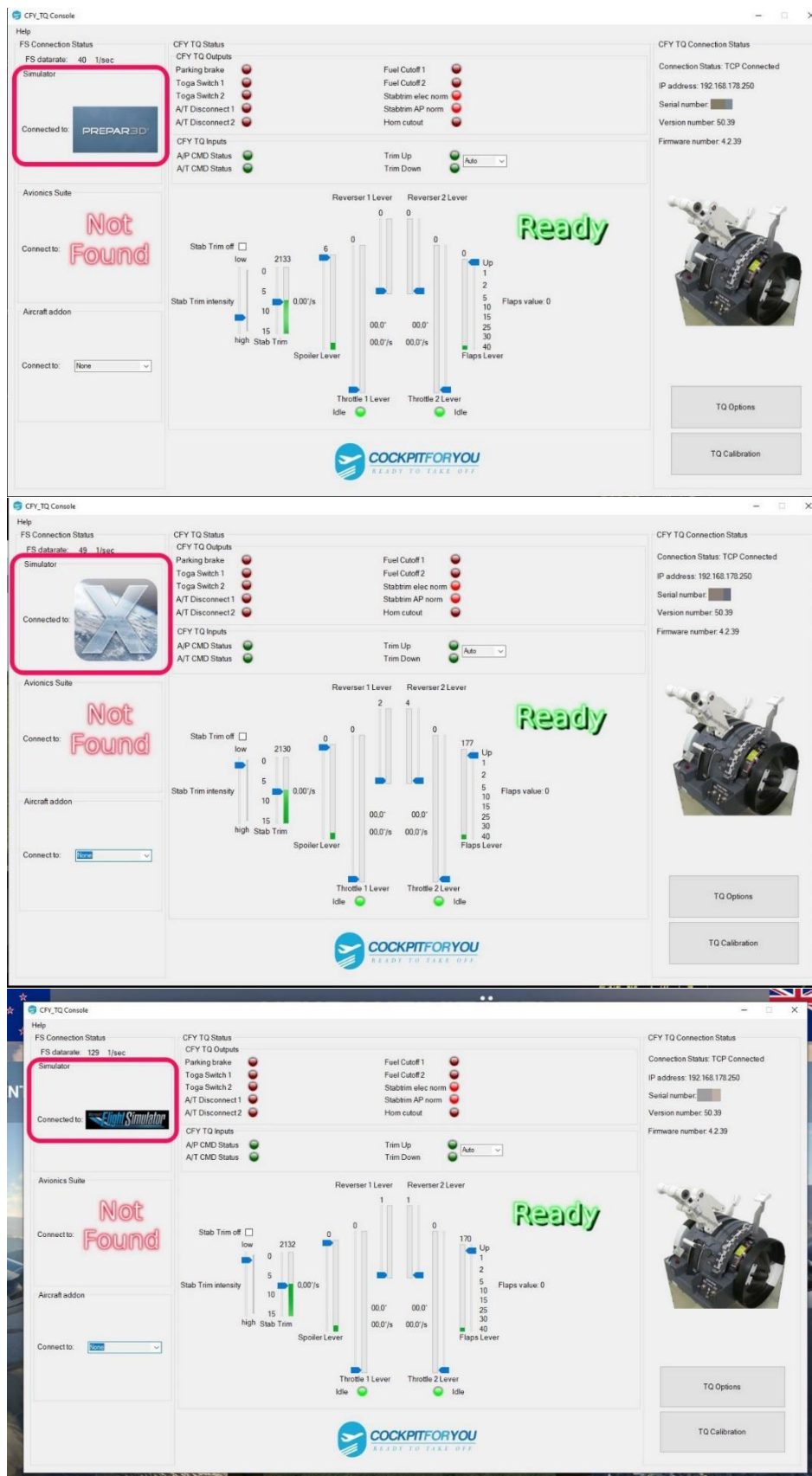
14.   After restarting the CFY Console, TCP Connection is displayed.
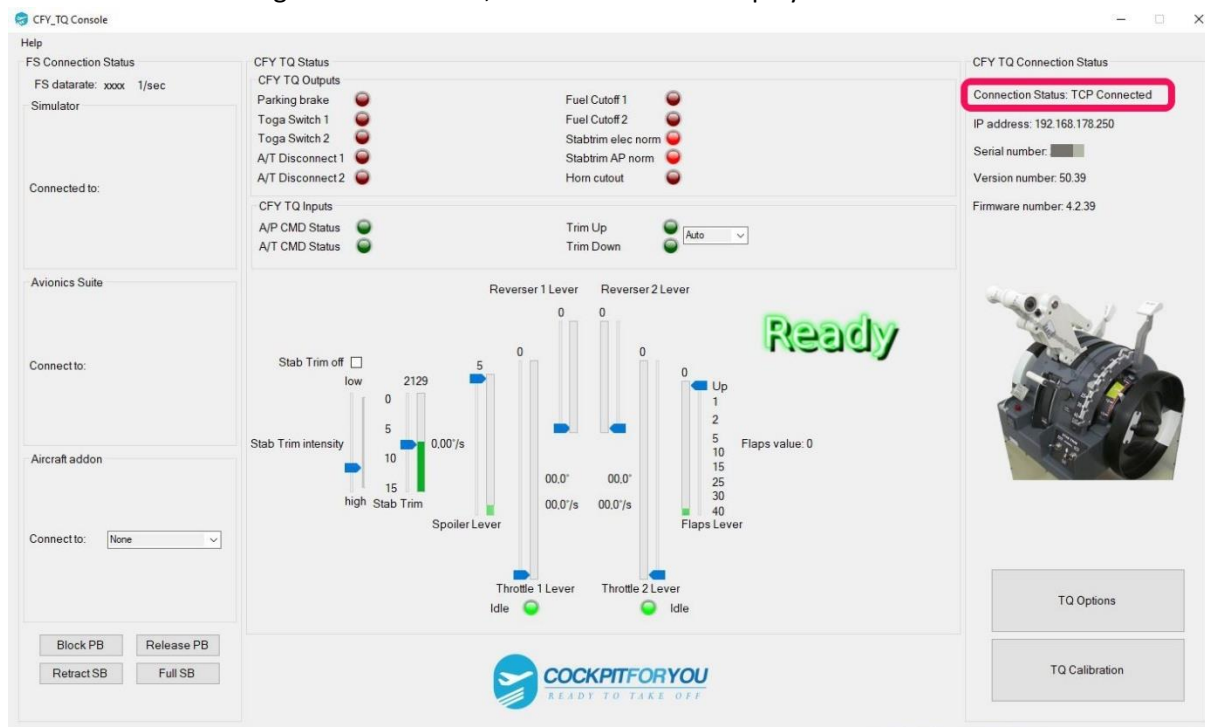
15.   Start your flight simulator, automatically recognized: FS2009, FSX all versions, P3D all versions, XPlane 10, 11, 12 and FS2020

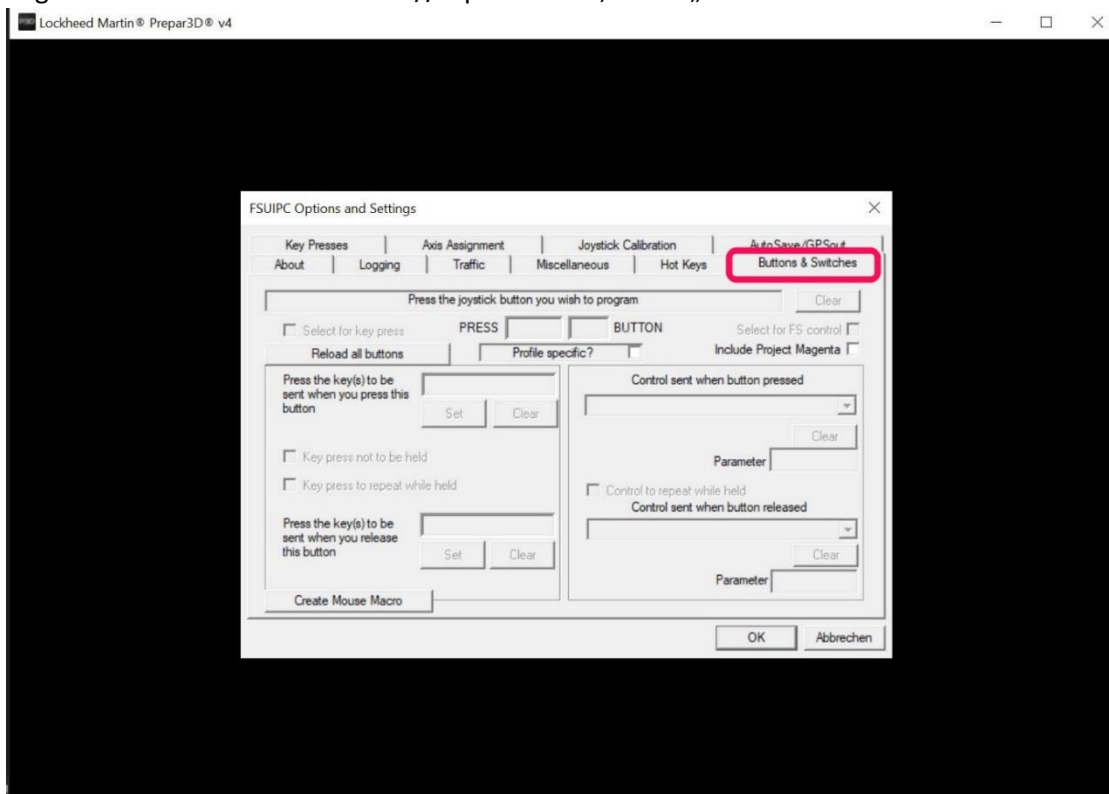The "TQ V3,V4,V5 " connects to your flight simulator

16.   18. The buttons on their yoks for trim up and down now need to be registered: Open FSUIPC or XPUIPC.

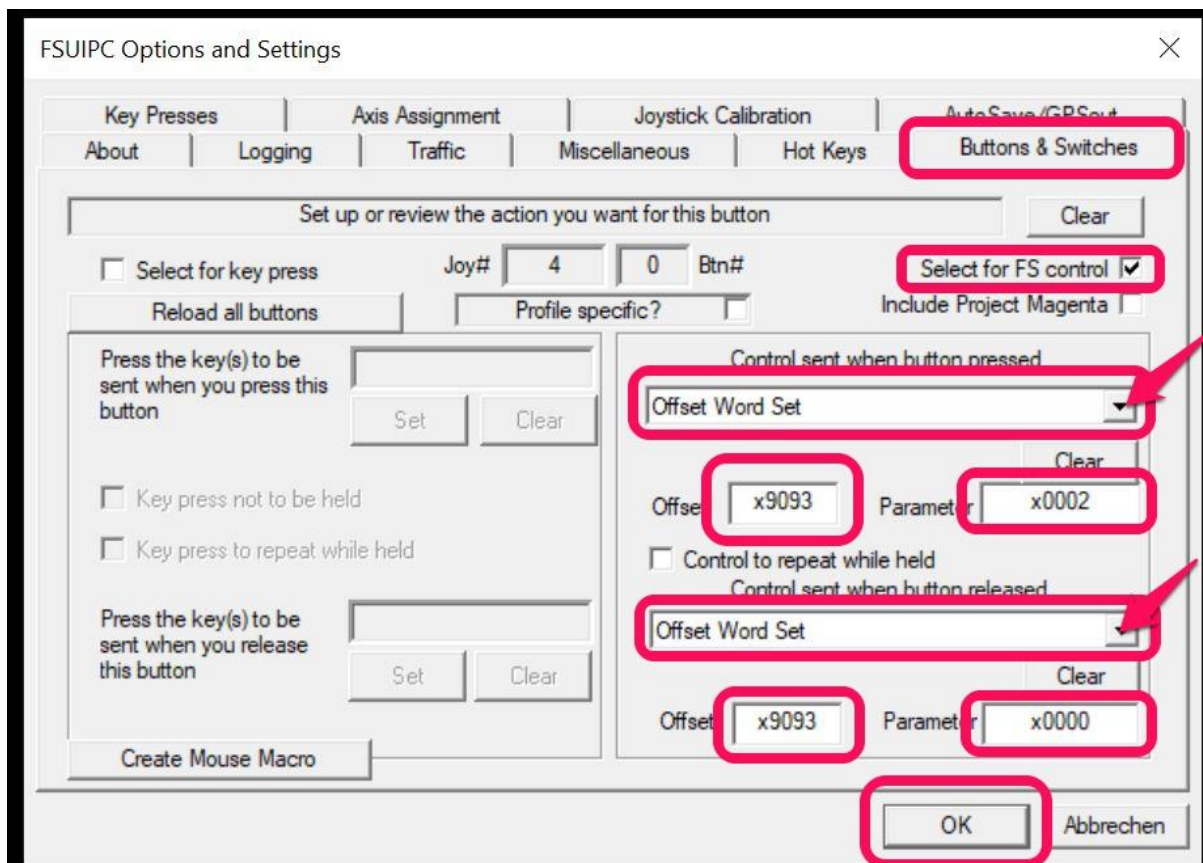**17.** For # FS2009,FSX,P3D and FS2020

:Sign the Trim button on the Yoke // Open FSUIPC, select „Buttons + Switches"
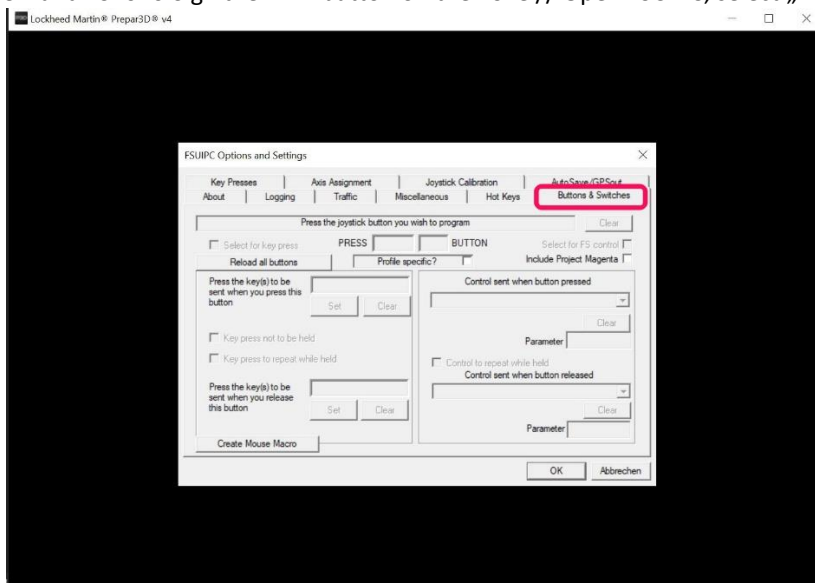

- Press the **Nose up** trim switch on your yoke Check the „Select for FS control" box
- Select "Offset Word Set" from the list
- Set the first offset to **x9093** and the parameter to **2**

The Control sent when the button is released:

- Select "Offset Word Set" from the list
- Set the first offset to **x9093** and the parameter to **0**
- Press "OK" to save these changes

18. For FS2009,FSX,P3D and FS2020:Sign the Trim button on the Yoke // Open FSUIPC, select „Buttons + Switches"
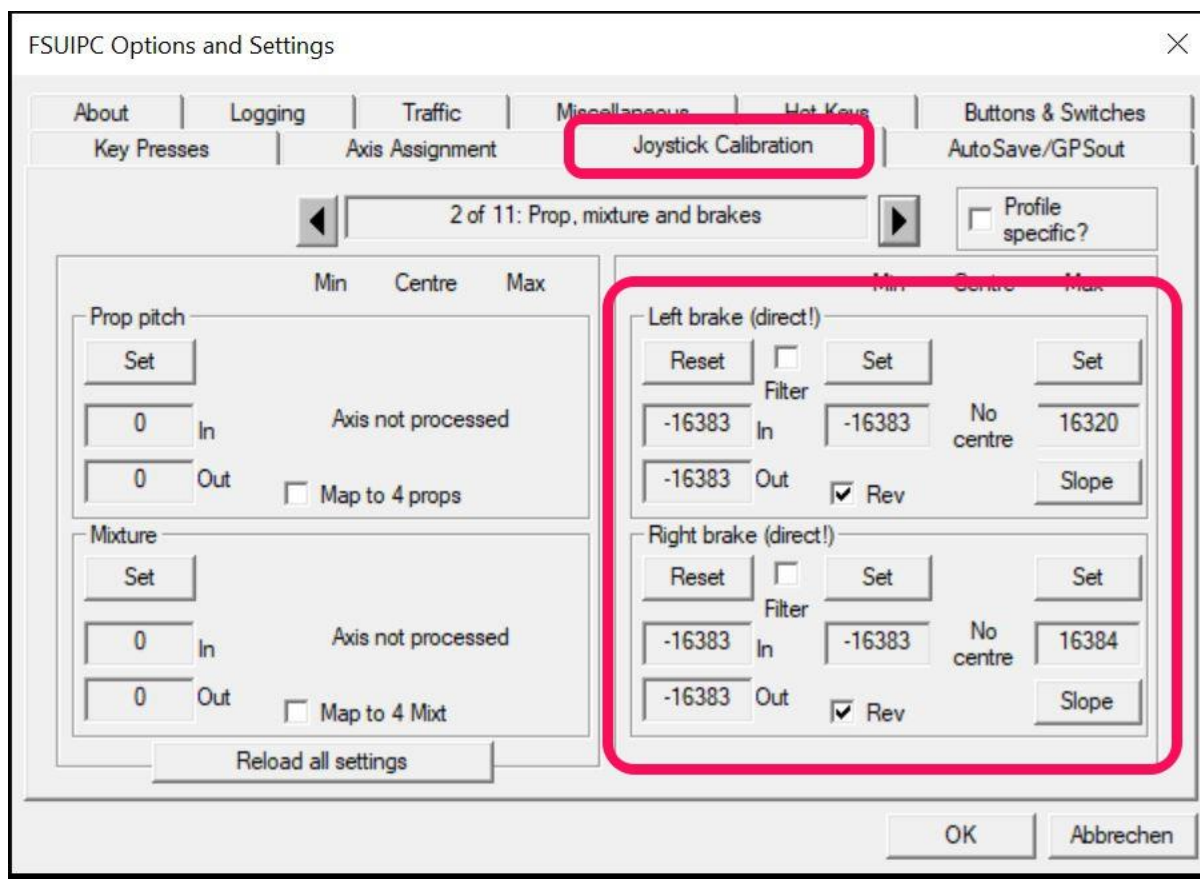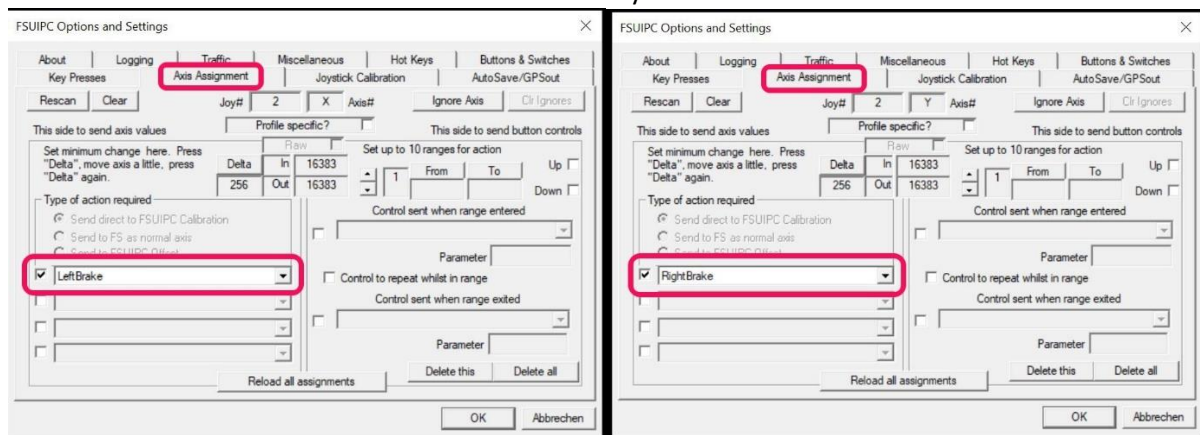
- Press the **Nose down** trim switch on your yoke Check the "Select for FS control" box
- Select "Offset Word Set" from the list
- Set the first offset to **x9093** and the parameter to **1**
  The Control sent when the button is released: Select "Offset Word Set" from the list Set the first offset to **x9093** and the parameter to **0**   Press "OK" to save these changes
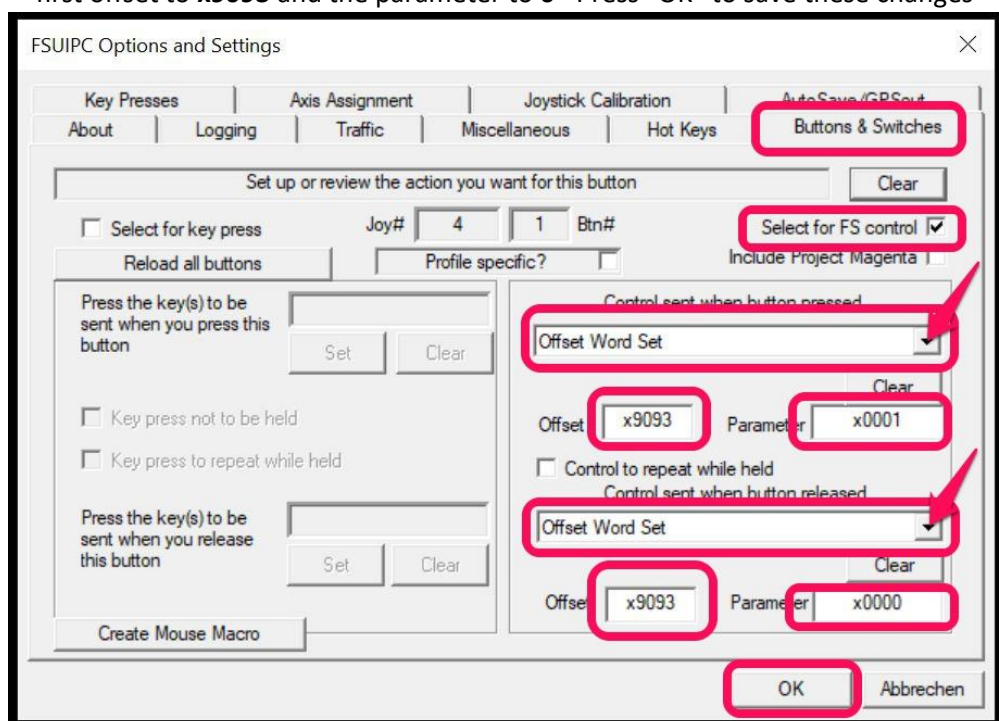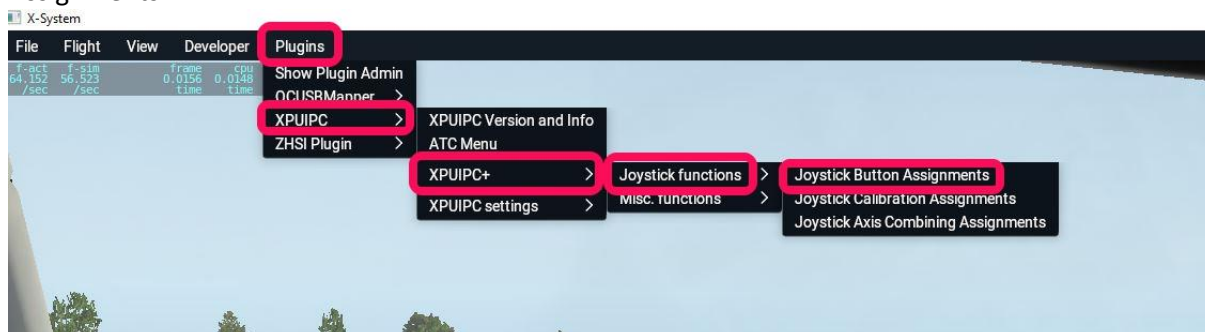
**19.**   For **FS2009,FSX,P3D and FS2020** :

The brake pedals must be registered and cabibrated in FSUIPC, since the logic for the parking brake is controlled by FSUIPC.

20. For <mark>XPlane</mark>: Sign the Trim button on the Yoke // Open XPUIPC, select „Joystick Button Assignments"

- Press the **Nose down** trim switch
- Offset to assig nto joystick button is: 9093
  Value or bitt o send when pressed is: 2
  Value or bitt o send when released is: 0
  Offset size is: 1
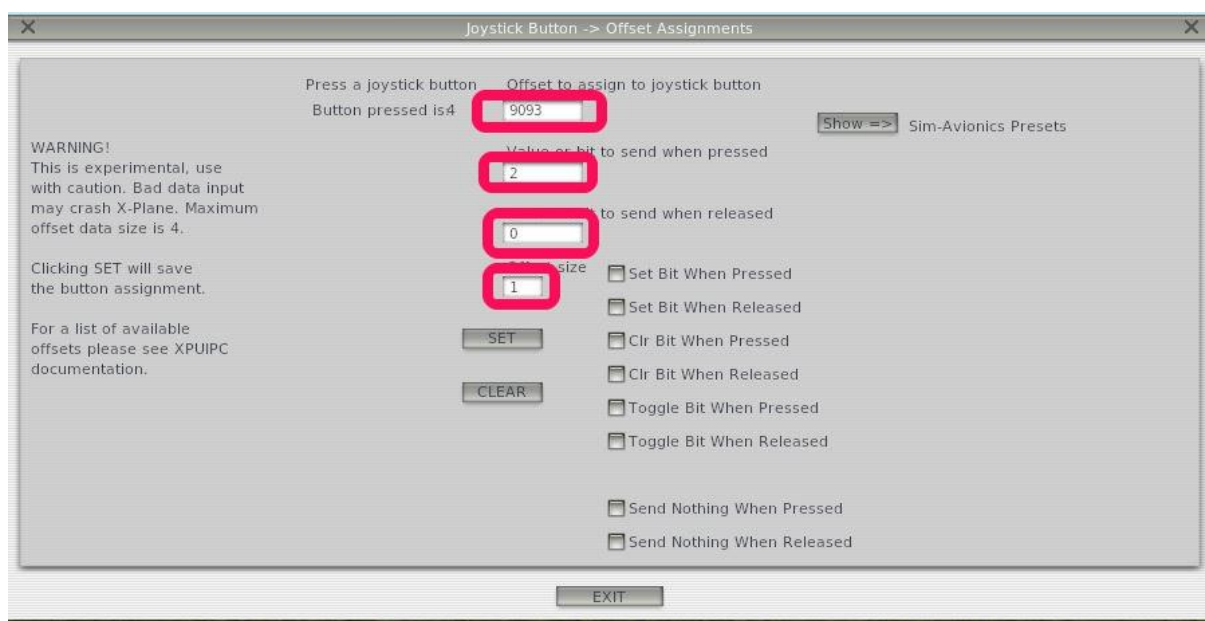
- Press the **Nose up** trim switch
- Offset to assig nto joystick button is: 9093
  Value or bitt o send when pressed is: 1
  Value or bitt o send when released is: 0
  Offset size is: 1

21. Start your AddOn software, our software will automatically detect ProSim737, Project Magenta and SimAvionics
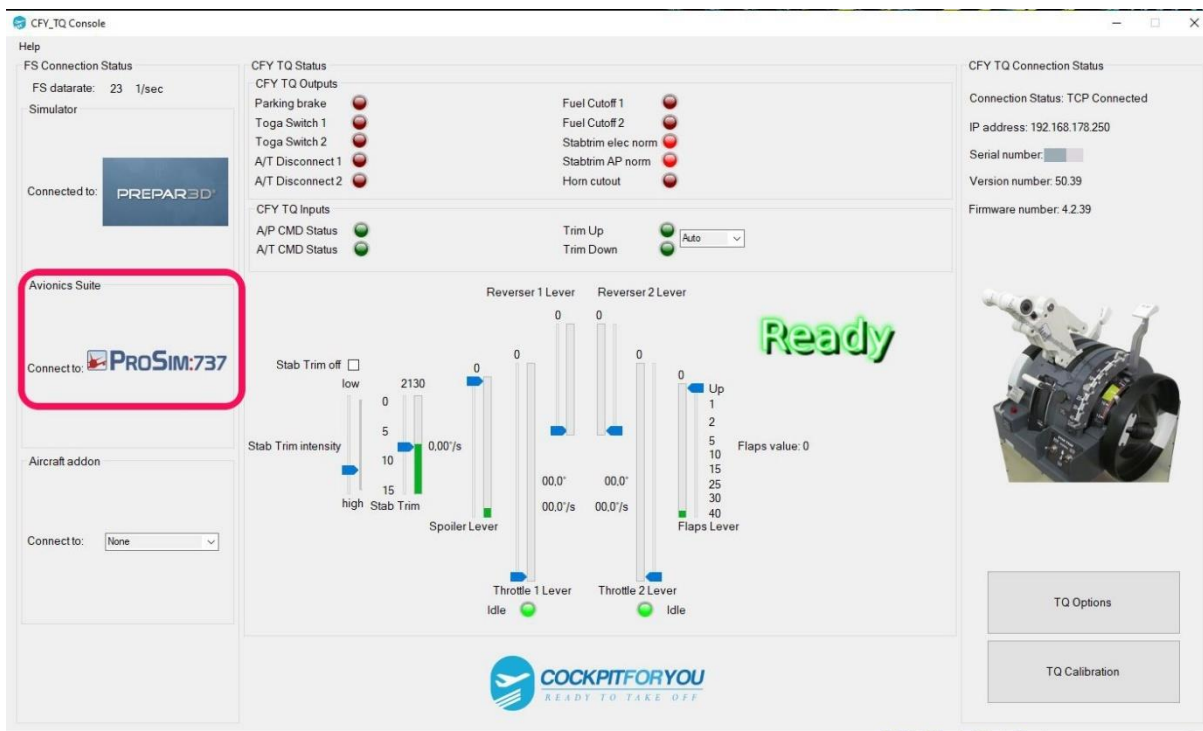
22. For Addon

Setting in ProSim737 Config / Drivers
Generic COM port/TCP diver => Enabled
and then click the "Advanced" button
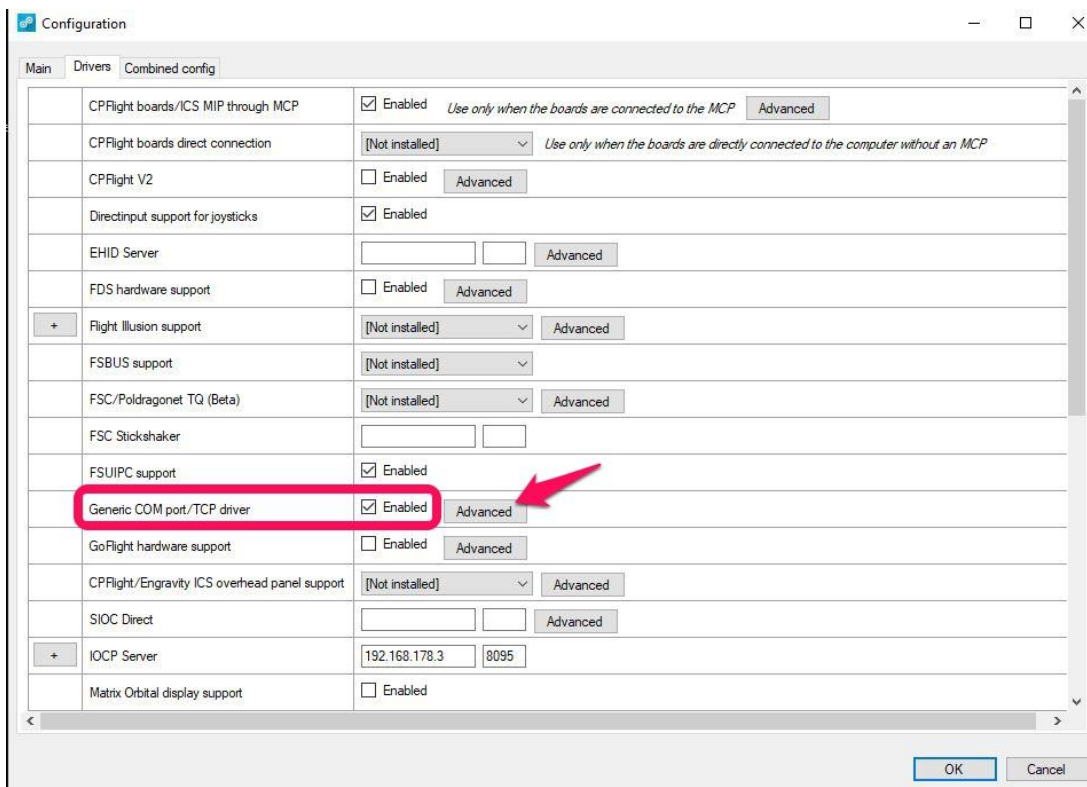
switch to Operation mode: "Mixed"
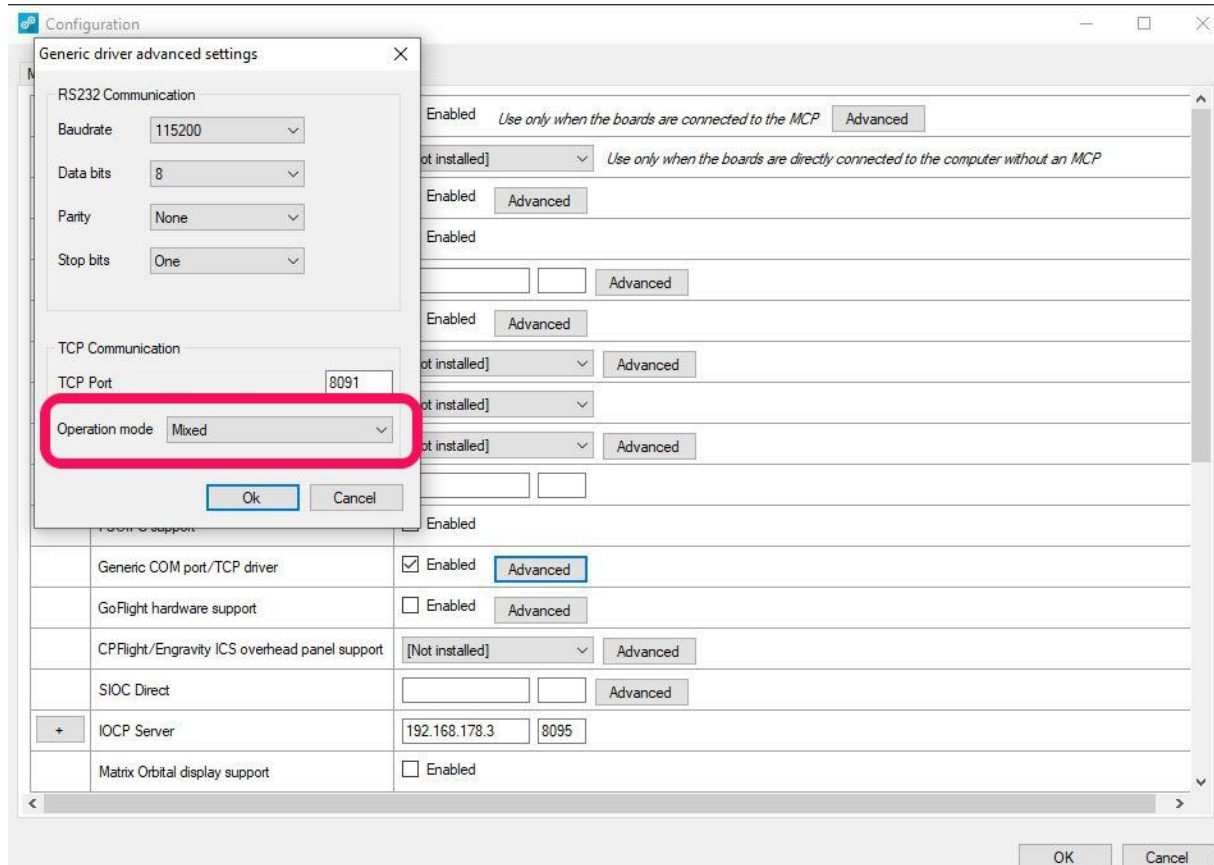
The trim switches on the yoke must NOT be registered in ProSim737.
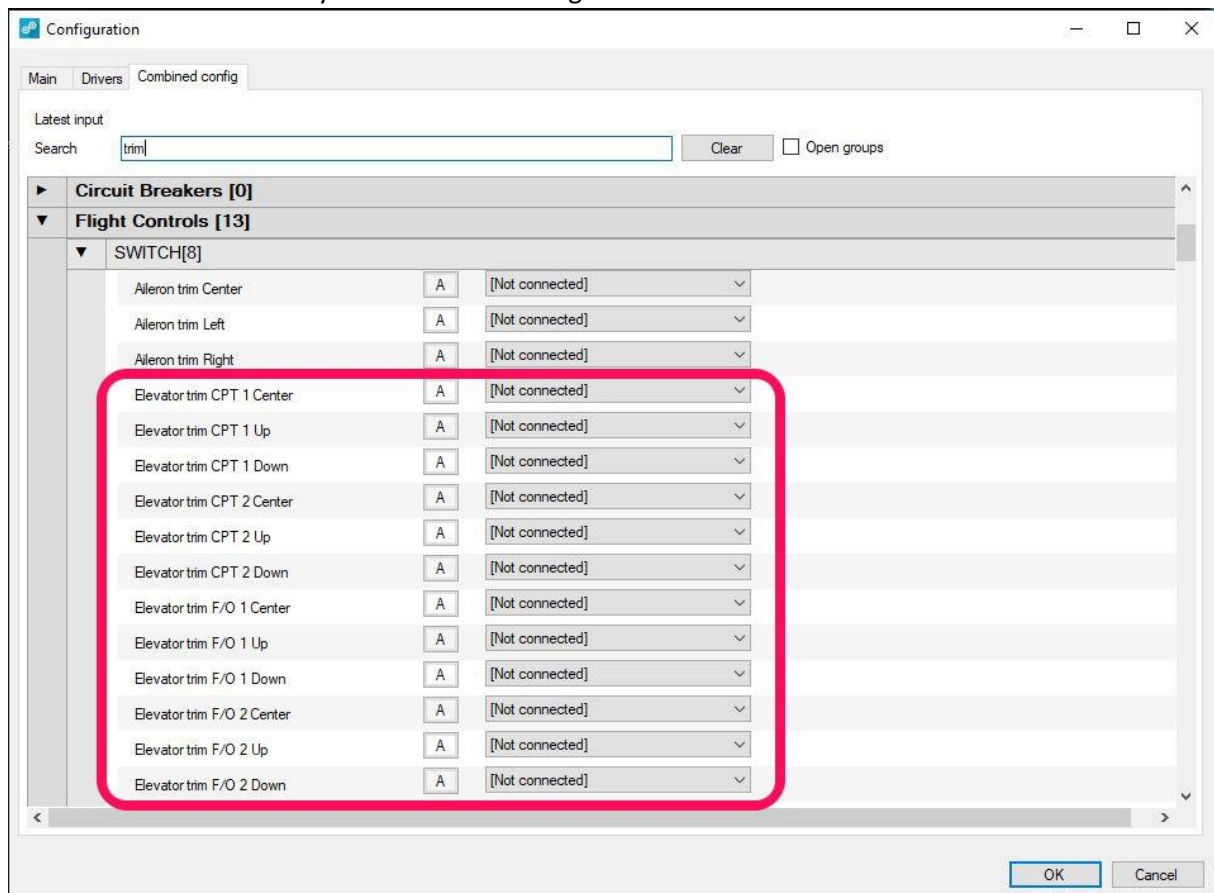
No switches and axes of the TQ have to be registered in ProSim.

In the CFY Console select the ProSim737 flight model.

Move the "Stab Trim intensity" slider as shown in the image.

project magenta
PMsystems
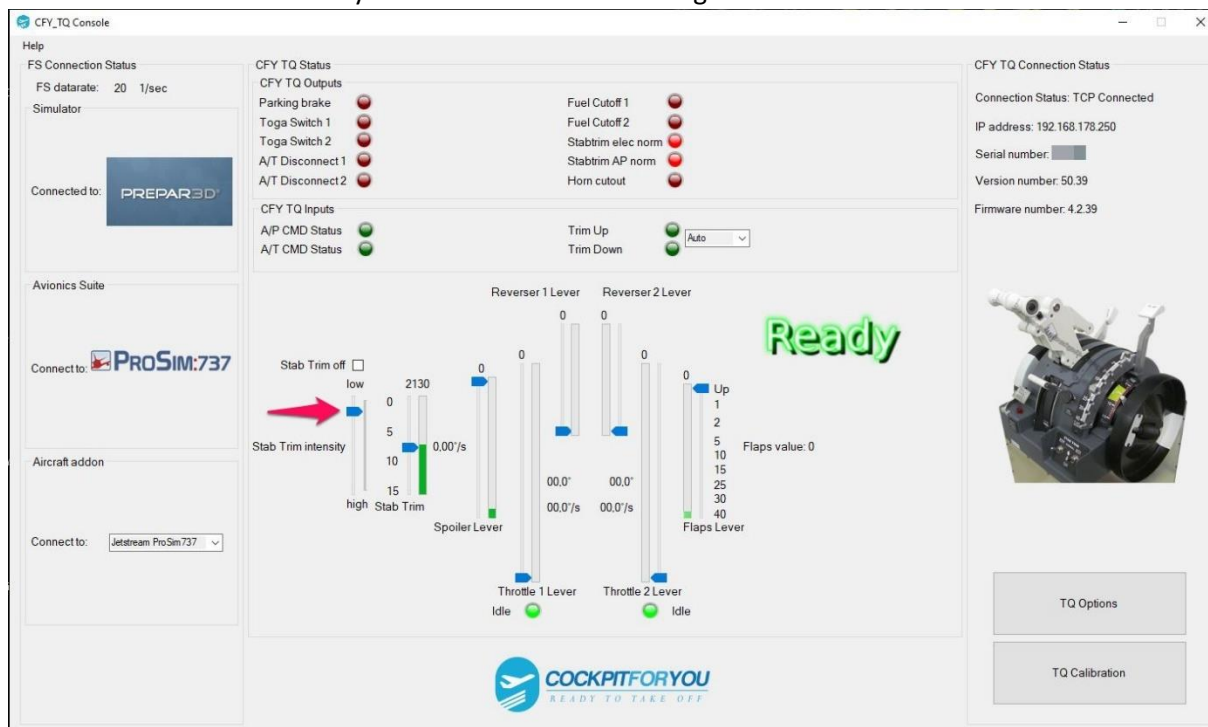
23.   For Addon

No settings need to be made for this addon.

Sim-Avionics

24.   For Addon

An FSUIPC connection is require, so the CFY controller software should either be run on the FS computer, or run on a remote computer with WideClient running.

`Sim -Avionics Server Configuration`

1) FSUIPC_IO.INI

Set Multi Function Offset

MULTI_FUNCTION=53FE

Remove 5418 offset from PARKING_BRAKE=5418

[FSUIPC_INPUTS]
PARKING_BRAKE=
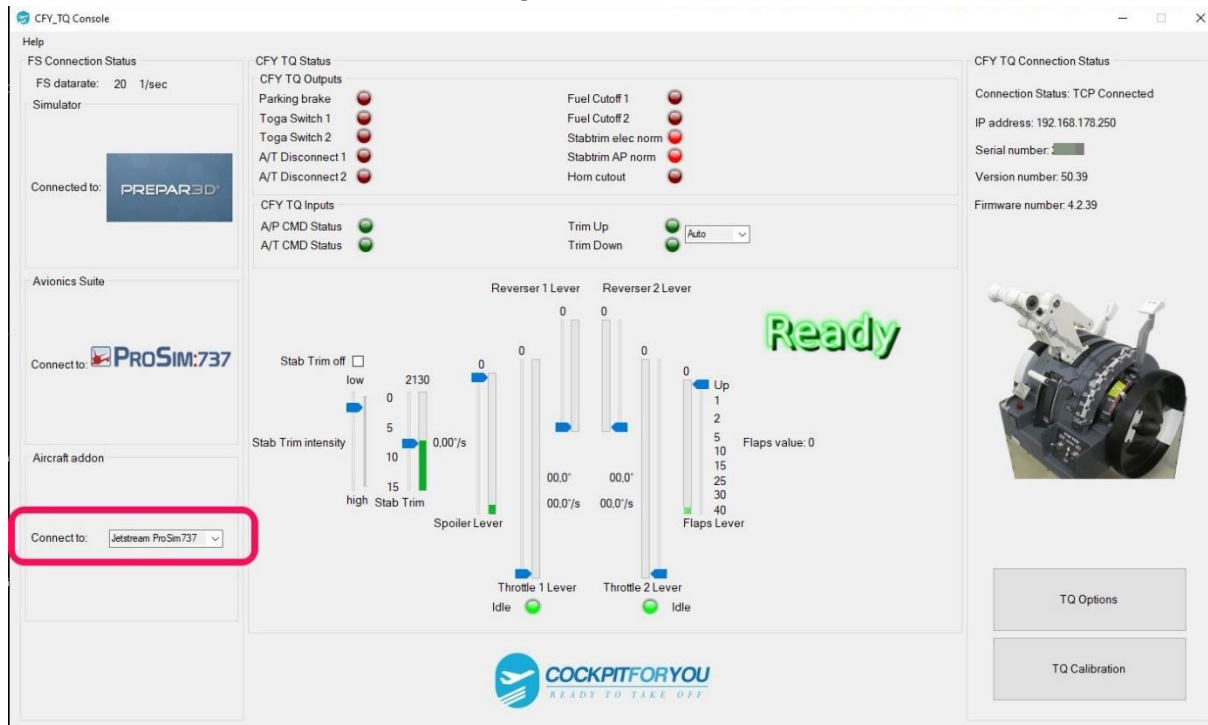ENGINE_L_FUEL_CONTROL_SWITCH=5452
ENGINE_R_FUEL_CONTROL_SWITCH=5453
Add Autothrottle output offsets

[FSUIPC_OUTPUTS]

COMMANDED_THROTTLE_L_POSITION=53E0

COMMANDED_THROTTLE_R_POSITION=53E2

THRUST_REF_MODE=53E4

2)   Control Panel Tab

Enable FSUIPC Outputs   ON

3) Flight Controls 1 Tab

Parking Brake External	OFF
Flaps External	OFF
Gear External	ON
Elevator Trim via FSUIPC	OFF
Toe brakes release Parking Brake	OFF
Enable Simple Braking	OFF

4) Flight Controls 2 Tab

Main Throttles	FDS Pro Throttle/Sys Controller Axis/SIOC
Reversers	SIOC / Offsets 52DA and 52DC

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CFY FS FSUIPC    oftware
ConfigConfigurationuration
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1)   FSUIPC > Axis Assignment

           Add "Parking Brake" to Brake Axis

           Detect Brake Axis

        "Control sent when range entered" = Parking Brake

                    Up   OFF
                    Dn   ON

                      From = 95% of brake pedal

                       To = 100% of brake pedal

2)   FSUIPC > Buttons

        Trim Up   Offset Word Set   x9093
                                                          1
                                                          Repeat ON

                             Offset Word Set   x9093
                                                          0

        Trim Down   Offset Word Set   x9093
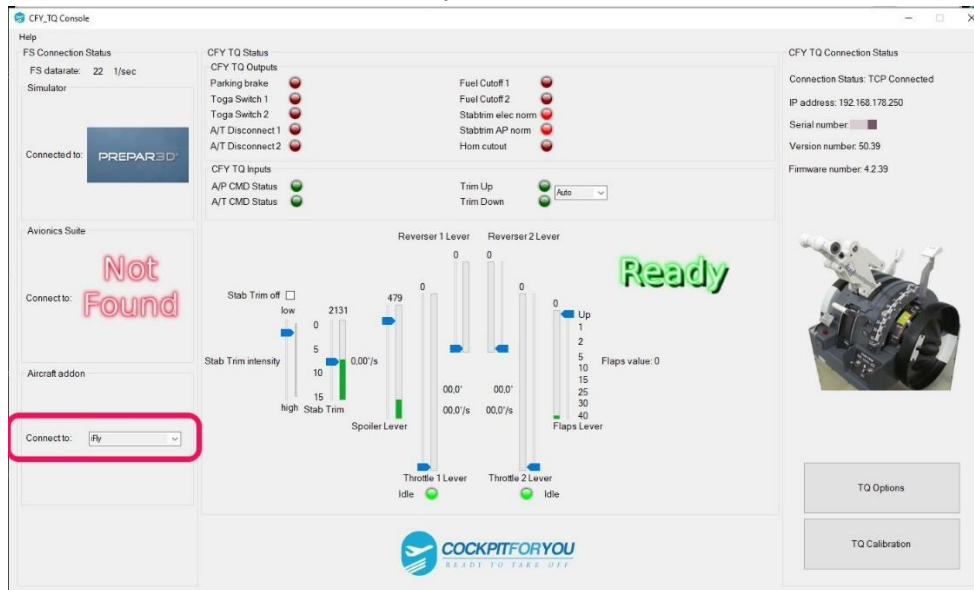   2
                                                          Repeat ON

                             Offset Word Set   x9093 0

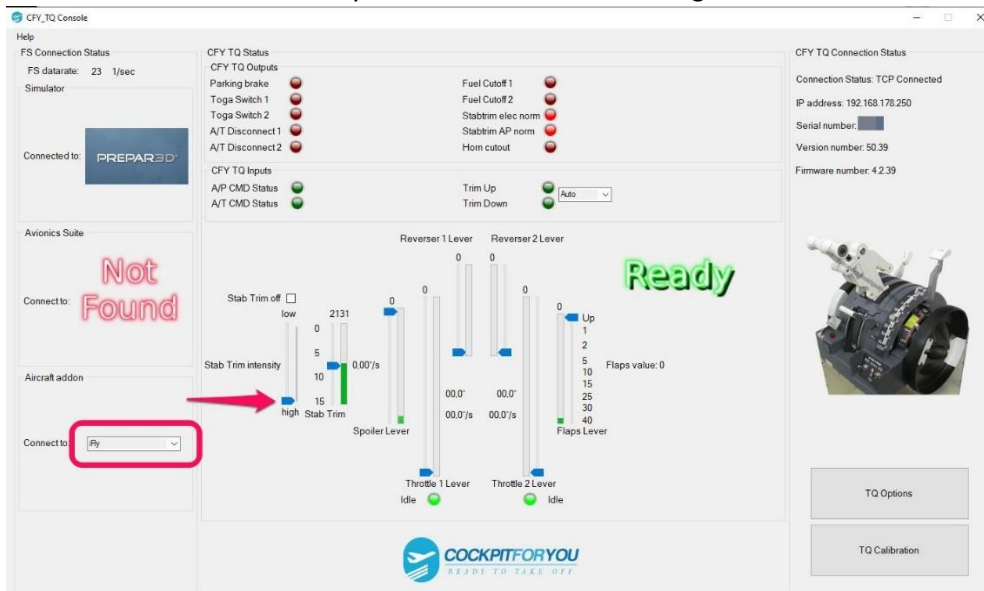**25.**   For flight model

1) "IFly to FSUIPC" must be installed and started.
2) Switch Aircraft addon: Connect to: iFly

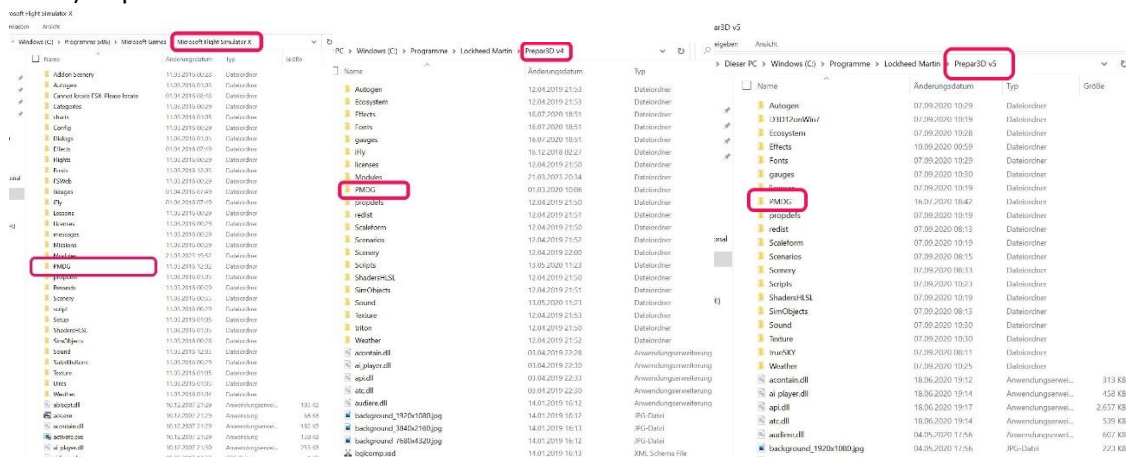3) Move the "Stab Trim intensity" slider as shown in the image.

26.   For flight model

Current FSUIPC4 version! FSUIPC4 or FSUIPC5 or FSUIPC6 Current SimConnect version!
For FS2020 you need the latest version FSUIPC7.

Configuring the PMDG ini
open Windows Explorer

1)   open PMDG folder

2)   Open the PMDG 737 NGX or PMDG 737 NGXu folder.

Name	Änderungsdatum	Typ
DEM	10.08.2020 21:26	Dateiord
dlls	10.08.2020 21:26	Dateiord
EFB	16.07.2020 18:42	Dateiord
FLIGHTPLANS	16.07.2020 18:42	Dateiord
Icons	10.08.2020 21:26	Dateiord
NavData	10.08.2020 21:26	Dateiord
PMDG 737 NGX	16.07.2020 18:42	Dateiord
PMDG 737 NGXu	10.09.2020 00:28	Dateiord
SIDSTARS	10.08.2020 21:29	Dateiord
WX	10.08.2020 21:29	Dateiord
PMDG_Interface.ini	21.03.2023 20:00	Konfigu
rainmaker_log.txt	10.09.2020 00:59	Textdok

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3) Open the 737NGXu_Options.ini or 737NGX_Options.ini file

ndows (C:) › Programme › Lockheed Martin › Prepar3D v5 › PMDG › PMDG 737 NGXu

Name	Änderungsdatum	Typ
Aircraft	10.08.2020 21:30	Datei
Flight Manuals	10.08.2020 21:26	Datei
PanelState	15.08.2020 16:03	Datei
SDK	10.08.2020 21:26	Datei
737NGXu_ChangeList.txt	06.02.2020 00:40	Textd
737NGXu_debug_log.txt	10.09.2020 00:59	Textd
737NGXu_debug_log.txt.bak	09.09.2020 14:56	BAK-D
737NGXu_Options.ini	10.09.2020 00:34	Konfig
737NGXu_Shortcuts.ini	29.02.2020 23:30	Konfig
README_PMDG_737NGXu_Base.txt	23.05.2020 15:35	Textd

4) If this text is not present in the ini file, insert this text.
    [SDK]
    EnableDataBroadcast=1

737NGXu_Options.ini - Editor

Datei Bearbeiten Format Ansicht Hilfe

SoundGroupValue.5=1.00
SoundGroupValue.6=1.00
[Aircraft Config]
FixedConfig=
[Panel State]
StartupPanelState=
[SDK]
EnableDataBroadcast=1
[Hydraulics]
Volume Sys.0=0.000000
Density Sys.0=0.000000
Temp Sys.0=500.000000
Volume Sys.1=0.000000
Density Sys.1=0.000000
Temp Sys.1=500.000000
SU Vol.0=0.000000
SU Vol.1=0.000000
SU Vol.2=0.000000
SU Vol.3=0.000000
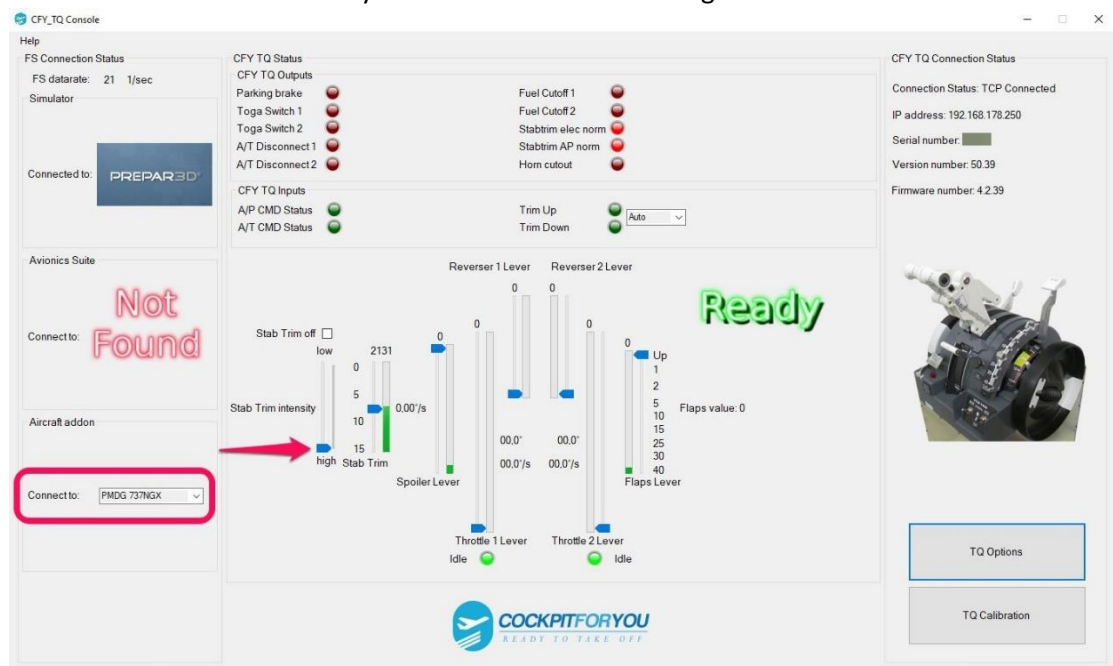**SU Vol.4=0.000000**
SU Vol.5=0.000000
SU Vol.6=0.000000

5) Save and close the file

6) Switch Aircraft addon: Connect to: PMDG 737NGX

7) Move the "Stab Trim intensity" slider as shown in the image.

"Sit back relax and enjoy your flight. "

This is it. By now your 737 throttle quadrant should be up and running. In case you have any further questions or you are experiencing difficulties, please do not hesitate to contact us via email.

Torsten Müller

Berlin, Germany 2023