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GoFlight TQ-6 Flaps/Spoilers

For this tutorial, I'm using FS2004 (FS9) and the aircraft is the default Boeing, 747-300.

REQUIREMENTS:

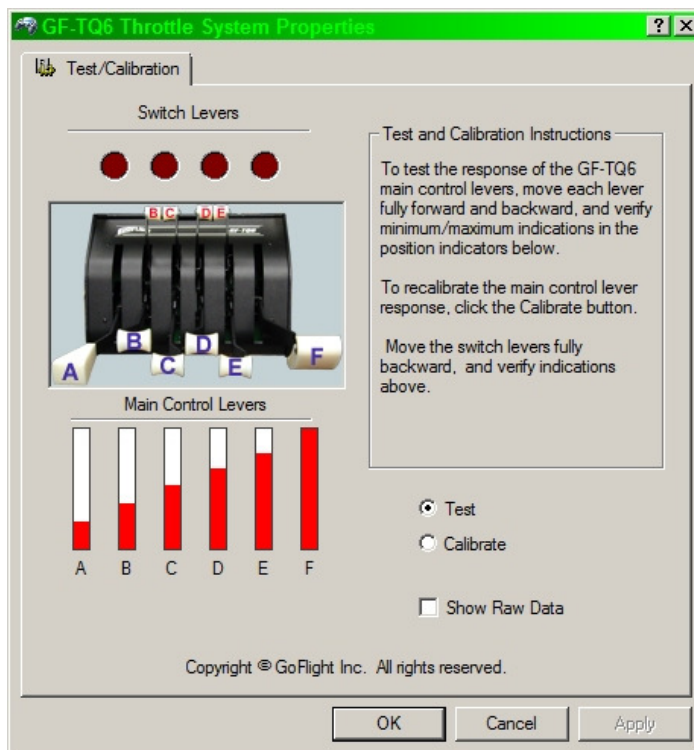
- You MUST have a REGISTERED version of FSUIPC. [Get the latest version here](#)

DEFINITIONS:

- FS: Flight Simulator
- AXIS: A joystick lever or control. NOT a button or switch.
- FUNCTION: To me, a "function" is the control on the aircraft. Example: The Flaps are a function... which is assigned to an AXIS.

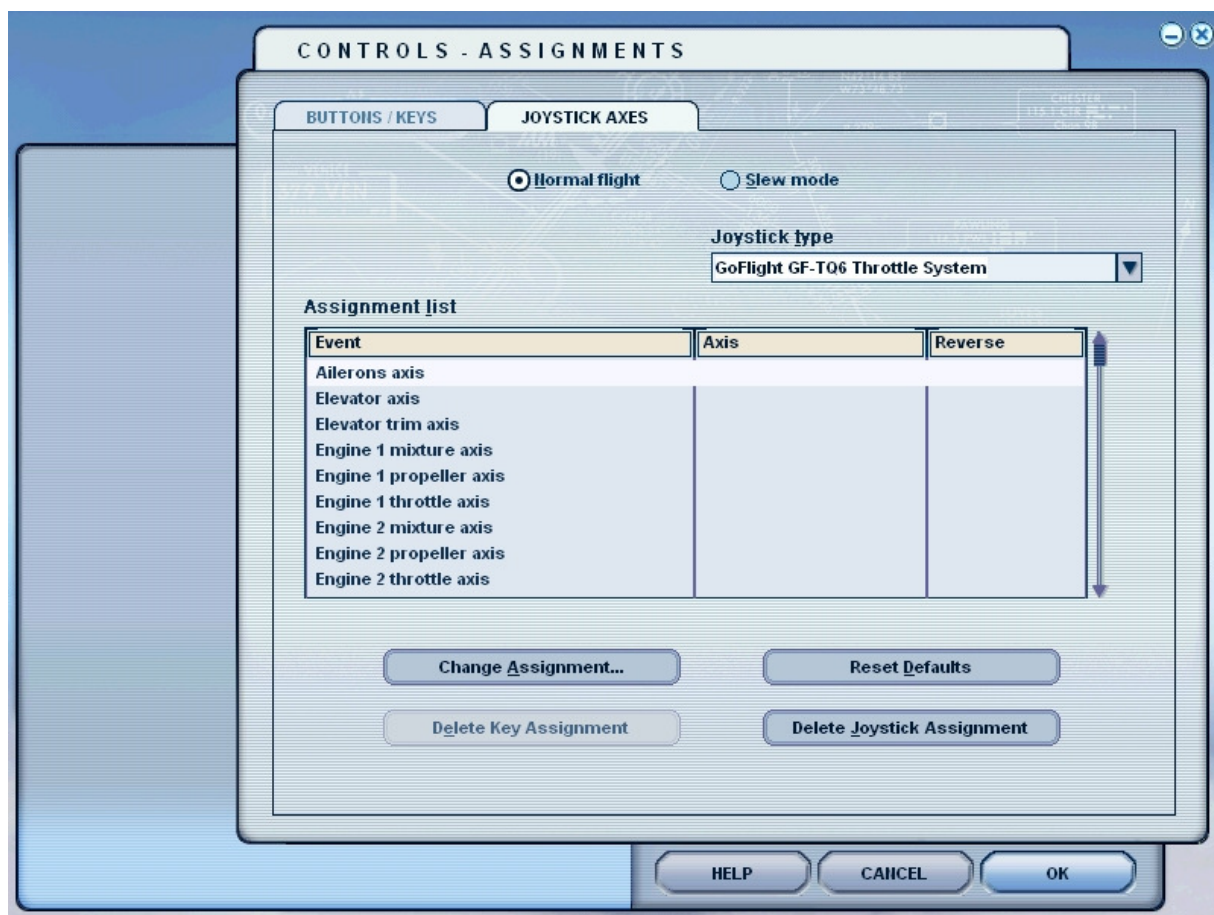
CALIBRATION:

If you have not done so, you will need to calibrate the TQ-6 within Windows. The calibration window is accessible from the Windows Control Panel (Gaming Devices) or through Flight Simulator's (FS) Calibrate button.



ASSIGNMENTS:

We are assigning the Flaps function to a lever on the TQ-6. This can be done several ways. But, since we want to use the Detent abilities of FSUIPC, it is critical that assignments made through Flight Sim (FS) are removed.



If you are having trouble with FS remembering your axis assignments, or lack there of... There is a manual work around. Open "My Computer" and navigate to your FS9.cfg file. Mine is located in the "C:\Users\[USERNAME]\AppData\Roaming\Microsoft\FS9" directory.

1. Open the file with notepad
2. Scroll down until you see a line similar to [JOYSTICK_MAIN {3423EBF0-D45D-11DE-8001-444553540000}]
There may be more than one so it's up to you to know which one is your TQ-6.
3. Look for AXIS_EVENT, AXIS_SCALE and AXIS_NULL entries.
Replace them with...
AXIS_EVENT_00=0
AXIS_SCALE_00=0
AXIS_NULL_00=0

I don't use FS to make any axis assignments so I do this for ALL of my joystick entries.

4. Save the file and exit all remaining open windows.

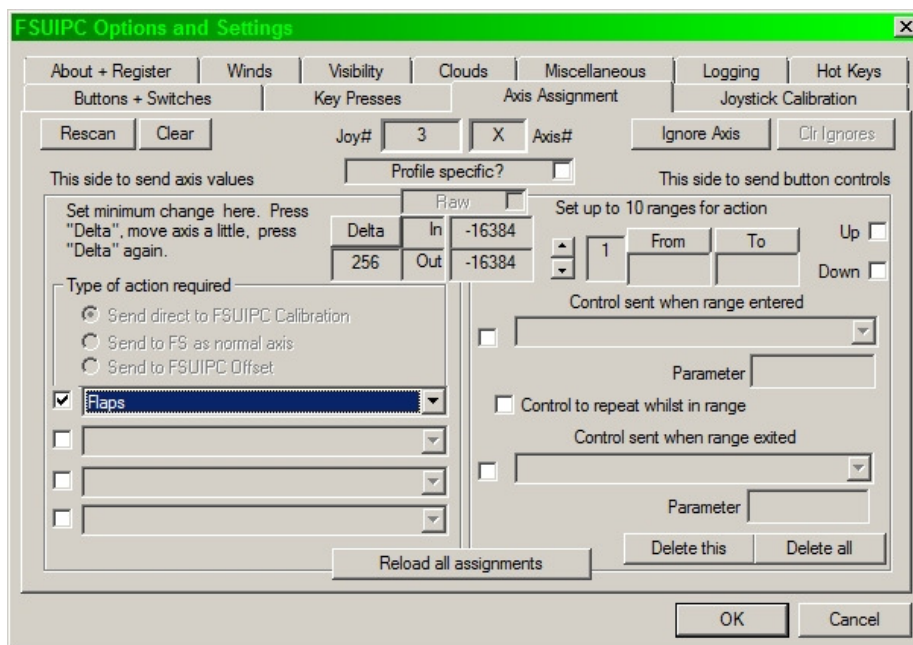
This is how my TQ-6 looks for JetLiner use. I say JetLiner because I use the "Profile Specific" option available in FSUIPC. If you don't know what I'm talking about, you'll need to research that on your own, sorry.



FSUIPC:

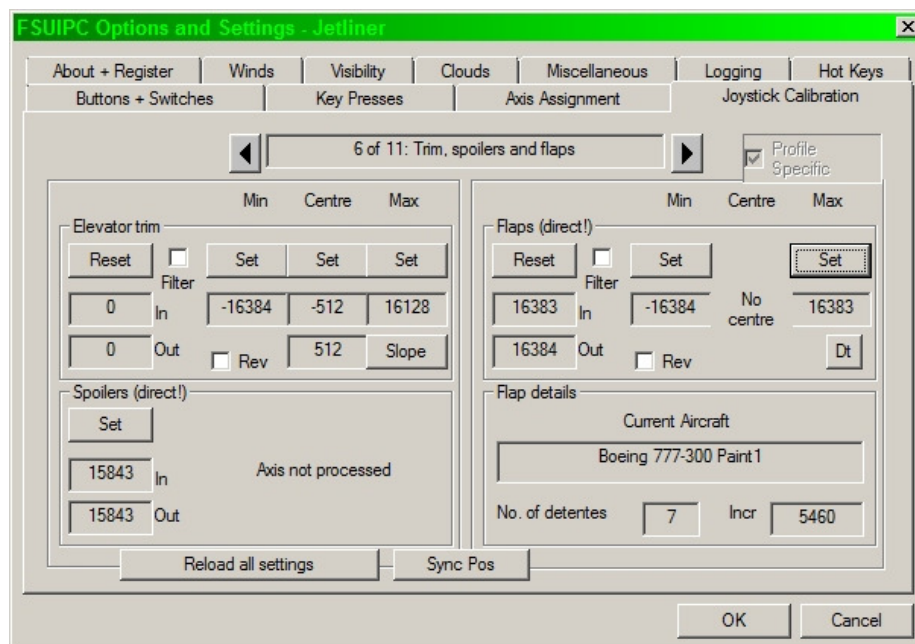
Open Flight Sim, load your aircraft of choice. Location and weather data does not apply so I suggest selecting an area with low detail to speed load time.

1. Open the FSUIPC interface window.
2. We need to assign the Flaps function to the desired Axis. As you move your Flaps lever, you should see the numbers in the "In" & "Out" boxes change. If not, click on the Rescan button until those boxes are blank. Then move your Flaps lever again.
3. In the "Type of action required" section (Lower-left) Click on the first option "Send direct to FSUIPC Calibration"
4. Click the first check box
5. Select Flaps



1. Click on the Joystick Calibration Tab
2. Click the Right arrow until you are on page 6: Trim, spoilers and flaps
3. In the Flaps section... If it does NOT display "Axis not processed", click the Rest button.
4. Click Set.
5. Move the lever all the way down.
6. Click the left Set button
7. Move the lever all the way up
8. Click the right Set button.

As you can see in the image below, the range of motion for my TQ-6 Flaps lever is from -16384 to 16383. Meaning the lowest number the TQ-6 puts out is -16384 and the highest number is 16383.

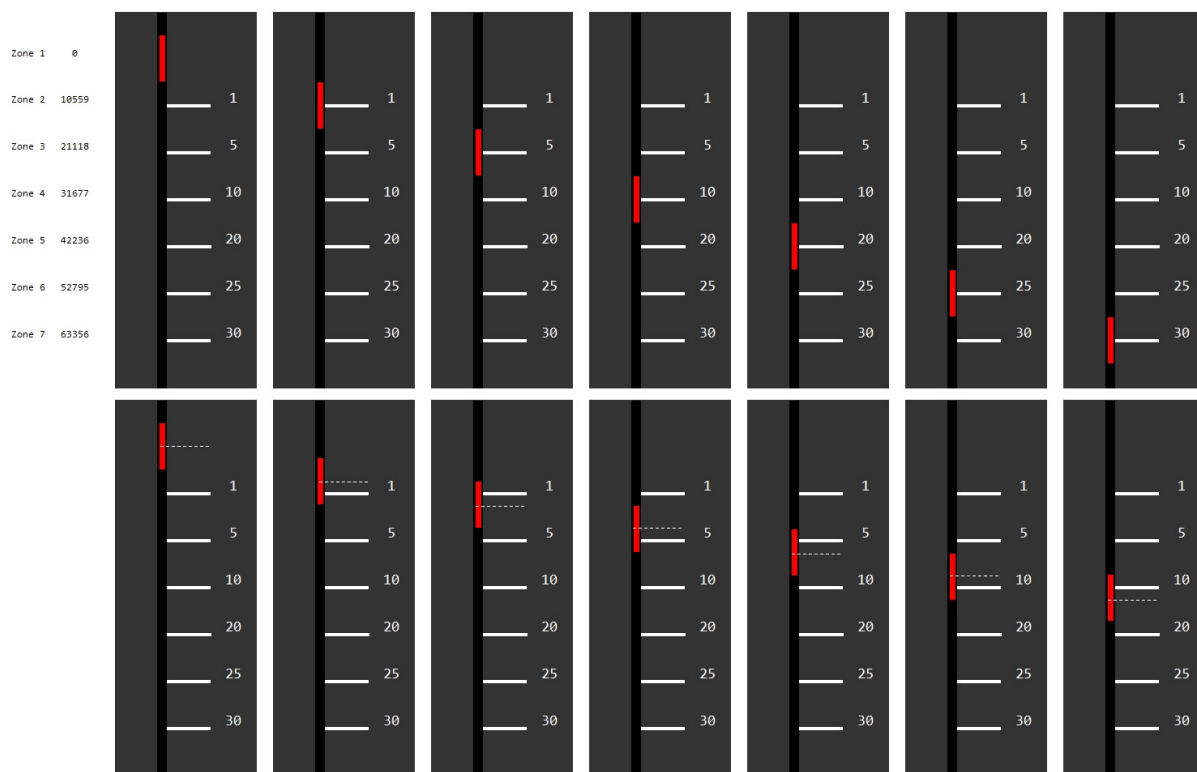


Click ok to close the FSUIPC interface window and verify your aircraft's lever moves in the same direction as your TQ-6 lever. I have my TQ-6 mounted upside down.

NOTE: If the aircraft is not responding correctly... Open the FSUIPC interface window and click the Rev checkbox.

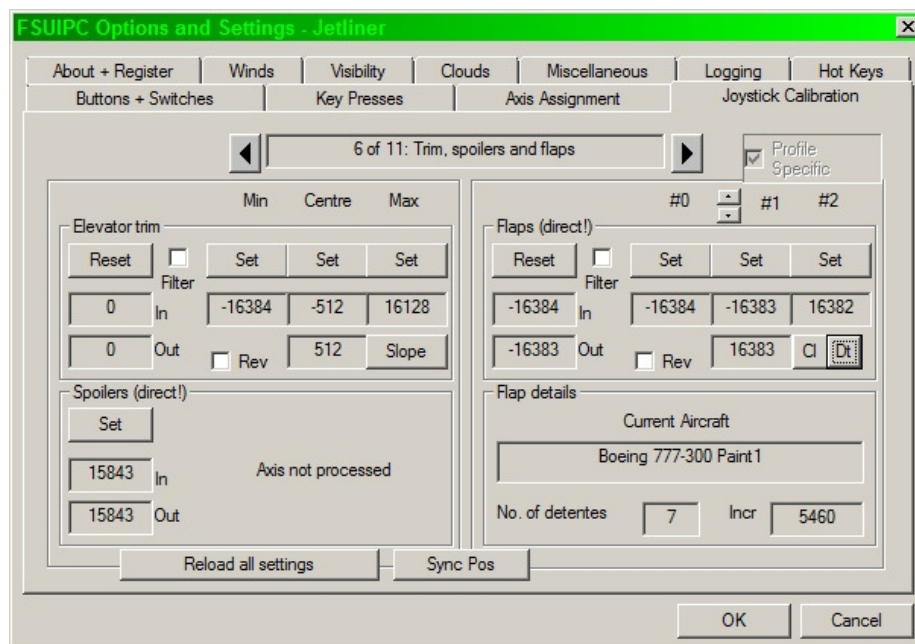
This next part is to ensure you set the detents correctly. Some people have problems because they place the TQ-6 lever at the detend position and make the assignment As displayed in the top portion of the image below. THIS IS NOT CORRECT.

FSUIPC looks at the "zones" of the lever. Remember my lowest and highest numbers... FSUIPC breaks this entire range into sections called "zones".



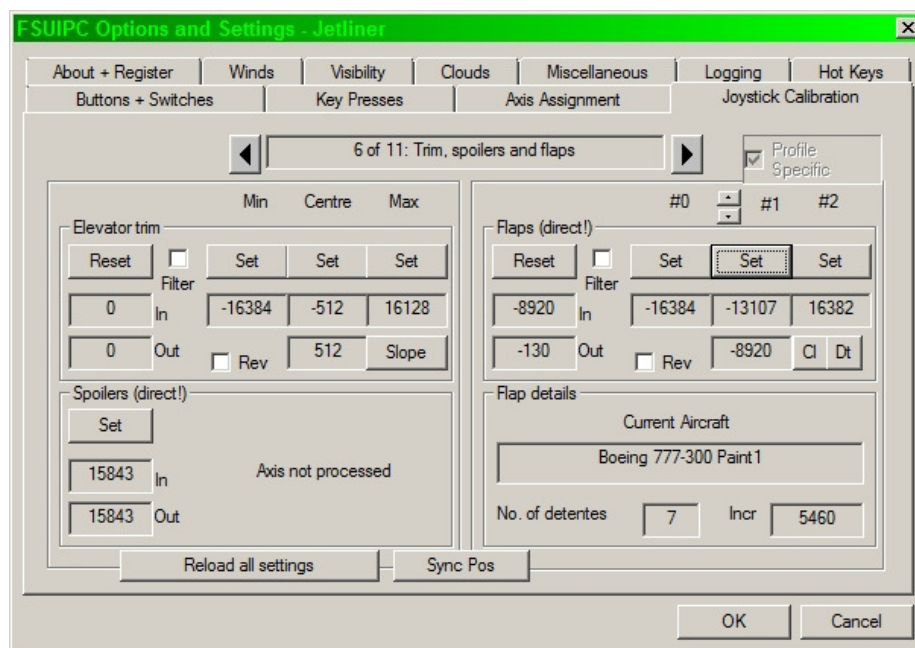
Referring to the image above, look at the lower part to see how I "set my zones". If you have a hard time seeing this pic, clicking on it will display the pic full size.

Open the FSUIPC interface... Page 6 and click on the "Dt" button. This activates the "detent zones". As you can see in the image below, FSUIPC initially thinks the first zone is the entire range -16383 to 16383.



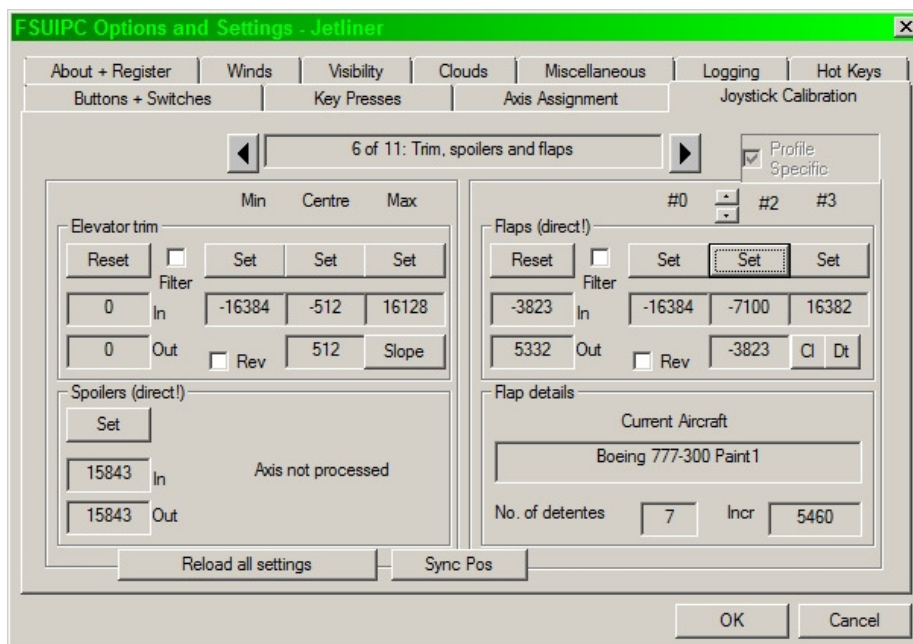
1. Move the TQ-6 lever to the point where the bottom part of the lever, closest to you, is touching the first detent.
2. Click the Center Set button.
3. Move the TQ-6 lever to the point where the top part of the lever, farthest from you, is touching the first detent.
4. Click the Center Set button again.

You have just set your First or #1 "zone"



Click the Up arrow, above the center set button to select the second zone.

1. Move the TQ-6 lever to the point where the bottom part of the lever, closest to you, is touching the second detent.
2. Click the Center Set button.
3. Move the TQ-6 lever to the point where the top part of the lever, farthest from you, is touching the second detent.
4. Click the Center Set button again.

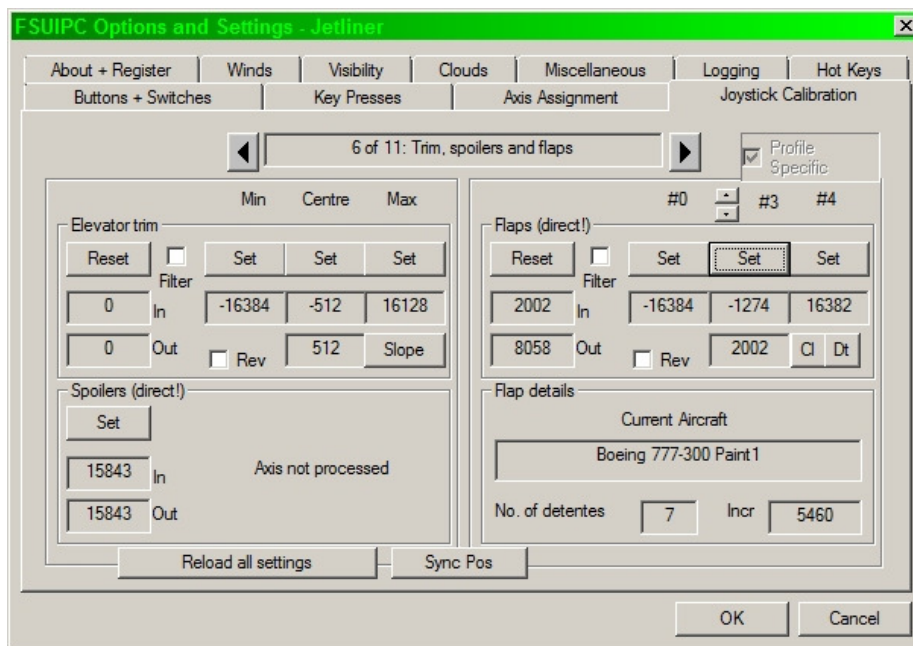


Click the Up arrow, above the center set button to select the third zone.

1. Move the TQ-6 lever to the point where the bottom part of the lever, closest to you, is touching the third detent.
2. Click the Center Set button.
3. Move the TQ-6 lever to the point where the top part of the lever, farthest from you, is touching the third detent.
4. Click the Center Set button again.

Repeat this sequence until you have set the SECOND TO LAST zone. There is no need to set the last zone because FSUIPC knows, if the lever is below the last zone, it's in the next zone.

I'm including the remaining images so you can see the progression of how the zones are assigned.



FSUIPC Options and Settings - Jetliner

[About + Register](#) | [Winds](#) | [Visibility](#) | [Clouds](#) | [Miscellaneous](#) | [Logging](#) | [Hot Keys](#)
[Buttons + Switches](#) | [Key Presses](#) | [Axis Assignment](#) | [Joystick Calibration](#)

6 of 11: Trim, spoilers and flaps

☒ Profile Specific

Elevator trim			Min	Centre	Max
Reset	<input type="checkbox"/>	Set	Set	Set	Set
0	In	-16384	-512	16128	
0	Out	<input type="checkbox"/> Rev	512	Slope	

Spoilers (direct!)

Set

15843 In Axis not processed

15843 Out

Flaps (direct!)

Reset ☐ Filter

7100 In -16384 4551 16382

9696 Out ☐ Rev 7100 Cl Dt

Flap details

Current Aircraft

Boeing 777-300 Paint1

No. of detentes 7 Incr 5460

[Reload all settings](#) | [Sync Pos](#)

OK Cancel

FSUIPC Options and Settings - Jetliner

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6 of 11: Trim, spoilers and flaps

☒ Profile Specific

Elevator trim			Min	Centre	Max
Reset	<input type="checkbox"/>	Set	Set	Set	Set
0	In	-16384	-512	16128	
0	Out	<input type="checkbox"/> Rev	512	Slope	

Spoilers (direct!)

Set

15843 In Axis not processed

15843 Out

Flaps (direct!)

Reset ☐ Filter

12197 In -16384 9648 16382

10788 Out ☐ Rev 12197 Cl Dt

Flap details

Current Aircraft

Boeing 777-300 Paint1

No. of detentes 7 Incr 5460

[Reload all settings](#) | [Sync Pos](#)

OK Cancel

When you have made the last assignment. Click OK, closing the FSUIPC interface and compare how the aircraft responds. You should now be able to look at your TQ-6, move the lever into the desired position and see that the aircraft's lever is in the correct place.

For question, comments, additions or corrections... please contact me at skittles@anadrac.com.

