

VR7XX Twin Jet Throttle Quadrant

FSUIPC Installation Instructions

Non VRAircraft Software Installation - Setup & Calibration Guide - A Registered Version Of FSUIPC Is Required
“READ ADDITIONAL NOTES ON PAGE FIVE BEFORE YOU BEGIN”

1. Plug In The VRAC Throttle Quad Via The USB Plug, Confirm System Recognition (Ready For Use Message).
2. Open FSX And Go To Your “OPTIONS” Pull Down Menu.
3. Open The Sub Folder SETTINGS / CONTROLS.
4. The Following Needs To Be Done For All Controller Types Listed.
5. Start With The Top Controller Type And Work Your Way Down.
6. Select The BUTTONS/ KEYS Folder Option.
7. Highlight The First Controller Type, For Me It’s The Mouse Yoke, It May Be Different On Your System.
8. Confirm NORMAL Is Selected In The Flight Mode Section.
9. Remove All Joystick Assignments You Find.
10. Select SLEW In The Flight Mode Section.
11. Remove All Joystick Assignments You Find.
12. Select The Next Controller Type And Repeat The Above Process (Steps 8-9-10) Of Removing Joystick Assignments.
13. Continue Performing The Steps Above Until All Controller Types - Joystick Assignments Have Been Removed.
14. Once You Finish Removing All Joystick Assignments Press OK.
15. Exit And Reload FSX.
16. Go Back To OPTIONS / SETTINGS / CONTROLS And Confirm All Joystick Assignments Have Been Removed.
17. You May Have To Repeat Some Of The Above Steps, All Joystick Assignments Were Not Removed On My First Pass.
18. Now That All Joystick Assignments Have Been Removed, Press OK To Return To FSX.
19. Next We Are Going To Open FSUIPC, Go To ADD-ONS / FSUIPC.
20. First Thing We Are Going To Do Is Setup VRAC’s Button / Rocker Switches.
21. Left Mouse Click On The Folder Header Called BUTTONS + SWITCHES.

PARKING BRAKE

22. We Will Start With The Parking Brake, Turn The Parking Brake On or Off Using VRAC’s Switch, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 10, Yours May Be Different.
23. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.
24. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “Ctrl plus the . Key” This Is The Key Combo For The Brakes.

25. Confirm The “Key Press Will Not Be Held” Box Is Checked.

26. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Release This Button”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus the **.** Key” This Is The Key Combo For The Brakes.

27. Your Brakes Are Now Set And Are Ready For Use In FSX.

STAB TRIM

28. Next We Will Setup The Left & Right Stab Trim Switches, I Use Level-D’s 767 So My Key Commands May Differ From Your.

29. Press The Left Stab Trim Switch To/From NORM - CUTOUT, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 8, Yours May Be Different.

30. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.

31. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **Home** Key” This Is The Key Combo For The Left Stab Trim.

32. Confirm The “Key Press Will Not Be Held” Box Is Checked.

33. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Release This Button”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **Home** Key” This Is The Key Combo For The Left Stab Trim.

34. Press The Right Stab Trim Switch To/From NORM - CUTOUT, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 9, Yours May Be Different.

35. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.

36. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **End** Key” This Is The Key Combo For The Right Stab Trim.

37. Confirm The “Key Press Will Not Be Held” Box Is Checked.

38. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Release This Button”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **End** Key” This Is The Key Combo For The Right Stab Trim.

39. Your Stab Trim Rocker Switches Are Now Set And Are Ready For Use In FSX.

FUEL CUTOFF

40. Next We Will Setup The Fuel Cutoff Switches, I Use Level-D’s 767 So My Key Commands May Differ From Your.

41. Press The Left Fuel Cutoff Switch To/From RUN - CUTOFF, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 1, Yours May Be Different.

42. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.

43. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **F11** Key” This Is The Key Combo For The Left Fuel Cutoff Switch.

44. Confirm The “Key Press Will Not Be Held” Box Is Checked.

45. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Release This Button”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **F11** Key” This Is The Key Combo For The Left Fuel Cutoff Switch.

46. Press The Right Fuel Cutoff Switch To/From RUN - CUTOFF, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 2, Yours May Be Different.

47. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.

48. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **F12** Key” This Is The Key Combo For The Right Fuel Cutoff Switch.

49. Confirm The “Key Press Will Not Be Held” Box Is Checked.

50. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Release This Button”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **F12** Key” This Is The Key Combo For The Right Fuel Cutoff Switch.

51. Your Fuel Cutoff Rocker Switches Are Now Set And Are Ready For Use In FSX.

AUTO THROTTLE

52. Next We Will Setup The AUTO THROTTLE - Engage / Disengage Buttons, Turn The Auto Throttle On or Off Using VRAC’s Switch, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 0, Yours May Be Different.

53. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.

54. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “**Shift** plus the **R** Key” This Is The Key Combo For The Brakes.

55. Confirm The “Key Press Will Not Be Held” Box Is Checked.

56. Do Not Enter Any Data For The Press The Key(s) To Be Sent When You Release This Button. Leave It Blank.

57. Your Auto Throttle - Engage / Disengage Buttons Are Now Set And Are Ready For Use In FSX.

TAKE OFF / GO AROUND

58. Next We Will Setup The Take Off / Go Around Buttons, Turn The Take Off / Go Around On or Off Using VRAC’s Switch, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 11, Yours May Be Different.

59. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.

60. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “**Ctrl** plus **Shift** plus the **G** Key” This Is The Key Combo For Take Off / Go Around.

61. Confirm The “Key Press Will Not Be Held” Box Is Checked.

62. Do Not Enter Any Data For The Press The Key(s) To Be Sent When You Release This Button. Leave It Blank.

63. Your Take Off / Go Around Buttons Are Now Set And Are Ready For Use In FSX.

REVERSE THRUST

64. Next We Will Setup The Reverse Thrust Handles, Engage / Disengage The Engine Reversers Using VRAC’s Reverse Thrust Handles, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Btn# 3, Yours May Be Different.

65. Check The Box “Select For Key Press”. Two Additional Setting Boxes Are Now Available For Edit, They Are: Press The Key(s) To Be Sent When You Press This Button and Press The Key(s) To Be Sent When You Release This Button.

66. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Press This Button ”. You Now Have To Select A Key or Key Combo, Press “**F2**” Key” This Is The Key For Engaging Reverse Thrust.

67. Confirm The “Key Press Will Not Be Held” Box Is Checked.

68. Press Set On The Box That Says “Press The Key(s) To Be Sent When You Release This Button”. You Now Have To Select A Key or Key Combo, Press “**F1**” Key” This Is The Key For Disengaging The Reverse Thrust.

69. Your Engine Reversers Are Now Set And Are Ready For Use In FSX.

70. That Takes Care Of VRACs Rocker Switches & Buttons, Next We Are Going To Setup The Axis Assignments

71. Left Mouse Click On The Folder Header Called AXIS ASSIGNMENT.

PITCH TRIM

72. We Will Begin With The Pitch Trim Axis Assignment, Slide The Pitch Trim Handle Up / Down, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Axis# Z, Yours May Be Different.

73. There Is A Box On The Lower Left Side, In A Sub Section Called “Type Of Action Required”, Make Sure The “Send Direct To FSUIPC Calibration Is Selected”. Directly Below The Three Circle Options Are Four Boxes With Check Options Next To Them, check The First Box. Once You Check This Box You Will Be Presented With A Down Arrow On The Right Side Of This Box, Left Mouse Click On This Down Arrow. Go Down Until You See ELEVATOR TRIM, Select This Option.

74. Your Pitch Trim Is Set. However, We Need To Calibrate This Option Before It Will Be Ready For Use In FSX. Calibration Will Take Place Once All Of The Axis Assignments Are Complete.

SPEED BRAKE

75. Next We Will Setup The Speed Brake Axis Assignment, Slide The Speed Brake Handle To OFF / MAX, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Axis# U, Yours May Be Different.

76. There Is A Box On The Lower Left Side, In A Sub Section Called “Type Of Action Required”, Make Sure The “Send Direct To FSUIPC Calibration Is Selected”. Directly Below The Three Circle Options Are Four Boxes With Check Options Next To Them, check The First Box. Once You Check This Box You Will Be Presented With A Down Arrow On The Right Side Of This Box, Left Mouse Click On This Down Arrow. Go Down Until You See SPOILERS, Select This Option.

77. Your Spoilers Are Set. However, We Need To Calibrate This Option Before It Will Be Ready For Use In FSX. Calibration Will Take Place Once All Of The Axis Assignments Are Complete.

THROTTLES

78. Next We Will Setup The Left Throttle Axis Assignment, Slide The Left Throttle To IDLE / MAX, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Axis# X, Yours May Be Different.

79. There Is A Box On The Lower Left Side, In A Sub Section Called “Type Of Action Required”, Make Sure The “Send Direct To FSUIPC Calibration Is Selected”. Directly Below The Three Circle Options Are Four Boxes With Check Options Next To Them, check The First Box. Once You Check This Box You Will Be Presented With A Down Arrow On The Right Side Of This Box, Left Mouse Click On This Down Arrow. Go Down Until You See Throttle 1, Select This Option.

80. Next We Will Setup The Right Throttle Axis Assignment, Slide The Right Throttle To IDLE / MAX, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Axis# Y, Yours May Be Different.

81. There Is A Box On The Lower Left Side, In A Sub Section Called “Type Of Action Required”, Make Sure The “Send Direct To FSUIPC Calibration Is Selected”. Directly Below The Three Circle Options Are Four Boxes With Check Options Next To Them, check The First Box. Once You Check This Box You Will Be Presented With A Down Arrow On The Right Side Of This Box, Left Mouse Click On This Down Arrow. Go Down Until You See Throttle 2, Select This Option.

82. Your Throttles Are Set. However, We Need To Calibrate This Option Before It Will Be Ready For Use In FSX. Calibration Will Take Place Once All Of The Axis Assignments Are Complete.

FLAPS

83. Next We Will Setup The Flaps Axis Assignment, Slide The Flaps Handle To UP / FULL, Confirm It Has Been Detected By FSUIPC. Mine Shows Joy# 0 Axis# V, Yours May Be Different.

84. There Is A Box On The Lower Left Side, In A Sub Section Called “Type Of Action Required”, Make Sure The “Send Direct To FSUIPC Calibration Is Selected”. Directly Below The Three Circle Options Are Four Boxes With Check Options Next To Them, check The First Box. Once You Check This Box You Will Be Presented With A Down Arrow On The Right Side Of This Box, Left Mouse Click On This Down Arrow. Go Down Until You See Flaps, Select This Option.

85. Your Flaps Are Set. However, We Need To Calibrate This Option Before It Will Be Ready For Use In FSX. Calibration Will Take Place Once All Of The Axis Assignments Are Complete.

86. That Takes Care Of VRACs Axis Assignments, Next We Are Going To Calibrate The VRAC Throttle Quad.

87. Left Mouse Click On The Folder Header Called JOYSTICK CALIBRATION.

JOYSTICK CALIBRATION

88. The Final Step In Setting Up The VRAC Throttle Quad Is To Calibrate All Control Axis's.

A. 1 of 11: Main Flight Controls - Calibrate Anything That States The Word (Direct) After Its Title. In This Section It Should Be: Ailerons (direct!) And Elevator (direct!).

B. 2 of 11: Prop Mixture And Brakes - There Is Nothing In This Section That Needs To Be Calibrated.

C. 3 of 11: Separate Throttles Per Engine - Calibrate Anything That States The Word (Direct) After Its Title. In This Section It Should Be: Throttle 1 (direct!) And Throttle 2 (direct!). You Also Need To Check The Box Called “No Reverse Zone”.

D. 4 of 11: Separate Mixture Controls - There Is Nothing In This Section That Needs To Be Calibrated.

E. 5 of 11: Separate Prop Pitch Controls - There Is Nothing In This Section That Needs To Be Calibrated.

F. 6 of 11: Trim, Spoilers And Flaps - Calibrate Anything That States The Word (Direct) After Its Title. In This Section It Should Be: Elevator Trim (direct!), Spoilers (direct!) and Flaps (direct!).

G. 7 of 11: Rudder And Other Trims - There Is Nothing In This Section That Needs To Be Calibrated.

H. 8 of 11: Cowl Flaps - There Is Nothing In This Section That Needs To Be Calibrated.

I. 9 of 11: Pan Axes (etc) - There Is Nothing In This Section That Needs To Be Calibrated.

J. 10 of 11: Slew Axes - There Is Nothing In This Section That Needs To Be Calibrated.

K. 11 of 11: Separate Reversers - There Is Nothing In This Section That Needs To Be Calibrated.

ADDITIONAL NOTES

There Are A Few Problems I Experienced While Setting Up The VRAC Throttle Quad, These Problems Are Easy To Fix You Just Need To Pay Attention To Your Entries When Entering Buttons + Switches Key Combos

Every Once And A While I Would Get An Entry Called “NULL” - If This Appears When You Select A Key Combo, Repeat The Setup / Key Press Until The Key Combo You Are Pressing Appears

Every Once And A While I Would Be Unable To Select The Next Axis Assignment If You Slide The Pitch Trim, Speed Brake, Throttle 1, Throttle 2 and/or Flaps Handles - If FSUIPC Does Not Respond Just Press OK To Exit FSUIPC And Go Back And Continue Where You Left Off

If Any Of Your Sliders Are Reversed, Go To FSUIPC Calibration Section And Check The REV Box

[Once You Complete This Installation, VRAC Software Is No Longer Required](#)

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