**Microsoft Flight Simulator [ v1.14.5.0 ]**

**Complete Controls List**

**& Default Assignements [ v1.0 ]**

**March 10, 2021**

In the present version of MSFS there are more than 1200 assignable commands: about 900 for managing the sim and the flight, and near 250 for the cameras.

However, in my opinion, the problem is not the number of possible commands, but the not always logic structure under which they are presented in the selection menu.

In this document you’ll find this main structure respected, except in a few cases where I have created some new sub-items, or relocated some commands. You can use the solid PDF version, or edit the MS Word as you like. Both are printable in A5 size, and both include an internal navigation aid (bookmarks in PDF / title navigation tree for Word).

I hope it could be as useful to you as it has been for me to made it.

Feedback always welcome.

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**MSFS Controls [ v1.14.5.0 ]**

[1. Axes 1](#_Toc66292943)

[2. Menu 2](#_Toc66292944)

[3. Miscellaneous 3](#_Toc66292945)

[4. Instruments & Systems 4](#_Toc66292946)

[4.1 Flight Instruments 4](#_Toc66292947)

[4.2 Engine Instruments 7](#_Toc66292948)

[4.3 Electrics 11](#_Toc66292949)

[4.4 Fuel 13](#_Toc66292950)

[4.5 Anti Ice 16](#_Toc66292951)

[4.6 Hydraulics 16](#_Toc66292952)

[5. Lights 17](#_Toc66292953)

[5.1 Exterior Lights 17](#_Toc66292954)

[5.2 Interior Lights 18](#_Toc66292955)

[6. Flight Control Surfaces 19](#_Toc66292956)

[6.1 Primary Control Surfaces 19](#_Toc66292957)

[6.2 Secondary Control Surfaces 19](#_Toc66292958)

[6.3 Control Trimming Surfaces 20](#_Toc66292959)

[7. Power Management 21](#_Toc66292960)

[7.1 Throttle 21](#_Toc66292961)

[7.2 Propeller 22](#_Toc66292962)

[7.3 Mixture 24](#_Toc66292963)

[8. Landing Gear 25](#_Toc66292964)

[9. Brakes 25](#_Toc66292965)

[10. Autopilot 26](#_Toc66292966)

[10.1 HDG 27](#_Toc66292967)

[10.2 NAV 27](#_Toc66292968)

[10.3 ALT 28](#_Toc66292969)

[10.4 VS 28](#_Toc66292970)

[10.5 SPD 29](#_Toc66292971)

[11. Radio 30](#_Toc66292972)

[11.1 ATC 30](#_Toc66292973)

[11.2 COMMS 31](#_Toc66292974)

[11.3 NAV 33](#_Toc66292975)

[11.4 VOR 34](#_Toc66292976)

[11.5 OBI 34](#_Toc66292977)

[11.6 KOLLSMAN 34](#_Toc66292978)

[11.7 DME 35](#_Toc66292979)

[11.8 XPNDR 35](#_Toc66292980)

[11.9 ADF 36](#_Toc66292981)

[12. VR 38](#_Toc66292982)

[13. Camera 38](#_Toc66292983)

[13.1 Camera Mode Switches 38](#_Toc66292984)

[13.2 Cockpit Camera 39](#_Toc66292985)

[13.3 Instrument Views 41](#_Toc66292986)

[13.4 External Camera 42](#_Toc66292987)

[13.5 Drone Camera 43](#_Toc66292988)

[13.6 Fixed Camera 45](#_Toc66292989)

[13.7 User Cameras 46](#_Toc66292990)

[13.8 Slew Mode 47](#_Toc66292991)

# Axes

| **Axes** | **Assignement** | **Remarks** |
| --- | --- | --- |
| Aileron |  |  |
| Elevator |  |  |
| Rudder |  |  |
| Elevator Trim |  |  |
| Aileron Trim |  |  |
| Rudder Trim |  |  |
| Flaps |  |  |
| Spoilers \* |  |  |
| Left Brake |  |  |
| Right Brake |  |  |
| Throttle |  |  |
| Throttle 1 \* |  |  |
| Throttle 2 \* |  |  |
| Throttle 3 \* |  |  |
| Throttle 4 \* |  |  |
| Propeller \* |  |  |
| Propeller 1 \* |  |  |
| Propeller 2 \* |  |  |
| Propeller 3 \* |  |  |
| Propeller 4 \* |  |  |
| Mixture \* |  |  |
| Mixture 1 \* |  |  |
| Mixture 2 \* |  |  |
| Mixture 3 \* |  |  |
| Mixture 4 \* |  |  |
| Cowl Flap 1 |  |  |
| Cowl Flap 2 |  |  |
| Cowl Flap 3 |  |  |
| Cowl Flap 4 |  |  |

\* Repeated with differences in denomination or numeric range.

# Menu

| **Menu** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Pause | **Esc** |  |
| Toggle Active Pause | **Pause** |  |
| In-Flight UI Panel - Zoom In |  |  |
| In-Flight UI Panel - Zoom Out |  |  |
| Toggle Basic Control Panel | **Ctrl + C** |  |
| Toggle Toolbar |  |  |
| Clear Search | **Del** |  |
| Select 1 | **Alt + F1** |  |
| Select 2 | **Alt + F2** |  |
| Select 3 | **Alt + F3** |  |
| Select 4 | **Alt + F4** |  |
| Display Checklist | **Shift + C** |  |
| Next Toolbar Panel | **.** |  |
| Previous Toolbar Panel | **/** |  |
| Back to Main Menu | **End** |  |
| Close Menu | **Backspace** |  |
| Fly | **Enter** |  |
| Change Aircraft | **F11** |  |
| Liveries | **F12** |  |
| See Specifications | **F10** |  |
| Help Menu | **Tab** |  |
| Restart Free Flight | **Home** |  |
| Last Waypoint Restart |  |  |
| Restart Activity | **Home** |  |

# Miscellaneous

| **Miscellaneous** | **Keyboard** | **Device** |
| --- | --- | --- |
| Cockpit Interaction - Increase |  |  |
| Cockpit Interaction - Decrease |  |  |
| Cockpit Interaction - Primary Action |  |  |
| Cockpit Interaction - Secondary Action |  |  |
| Cockpit Interaction - Tertiary Action |  |  |
| Plus | **Ctrl + Num +** |  |
| Minus | **Ctrl + Num -** |  |
| Set Pause Off |  |  |
| Set Pause On |  |  |
| Display NavLog | **N** |  |
| Display Map | **V** |  |
| New UI Window Mode | **Alt + Right** |  |
| Toggle Delegate Control to Copilot | **Ctrl + Alt + X** |  |
| Sim Rate | **R** |  |
| Decrease Sim Rate |  |  |
| Increase Sim Rate |  |  |
| Gauge Keystroke |  |  |
| Trigger Horn |  |  |
| Set Marker Sound |  |  |
| Toggle Marker Sound | **Ctrl + 3** |  |
| Skip RTC [skip flight sim cinematic] | **Backspace** |  |
| Toggle Pushback | **Shift + P** |  |
| Repair and Fuel |  |  |
| Request Fuel | **Shift + F** |  |
| Increase Steering |  |  |
| Decrease Steering |  |  |
| Set Steering |  |  |
| Toggle Launch Bar Switch |  |  |
| Set Launch Bar Switch |  |  |
| Disable Tug |  |  |
| Tug Heading |  |  |
| Tug Speed |  |  |

# Instruments & Systems

## Flight Instruments

| **Instruments & Systems - Flight Instruments** | **Keyboard** | **Device** |
| --- | --- | --- |
| Select Airspeed Bug | **Shift + Ctrl + R** |  |
| Select Altitude Bug | **Shift + Ctrl + Z** |  |
| Decrease Attitude Bars Position |  |  |
| Increase Attitude Bars Position |  |  |
| Set Attitude Bars Position |  |  |
| Autorudder Off |  |  |
| Autorudder On |  |  |
| Set Autorudder |  |  |
| Toggle Autorudder | **Shift + Ctrl + U** |  |
| Avionics Master 1 Off |  |  |
| Avionics Master 1 On |  |  |
| Set Avionics Master 1 |  |  |
| Avionics Master 2 Off |  |  |
| Avionics Master 2 On |  |  |
| Set Avionics Master 2 |  |  |
| Set Avionics Master |  |  |
| Set Altimeter | **B** |  |
| Set Altimeter to MSL Pressure |  |  |
| Select Heading Bug | **Shift + Ctrl + H** |  |
| Decrease Heading Bug | **Ctrl + Delete** |  |
| Increase Heading Bug | **Ctrl + Insert** |  |
| Set Heading Bug |  |  |
| Set Heading Indicator | **D** |  |
| Decrease Heading Indicator Drift |  |  |
| Increase Heading Indicator Drift |  |  |
| Set Heading Indicator Drift |  |  |
| Select VSI Bug |  |  |
| Toggle Alternate Static | **Alt + S** |  |
| Set Clock (Hours) |  |  |
| Set Clock (Minutes) |  |  |
| Toggle GPWS |  |  |
| Decrease Decision Altitude (MSL) |  |  |
| Increase Decision Altitude (MSL) |  |  |
| Decrease Decision Height |  |  |
| Increase Decision Height |  |  |
| ELT Off |  |  |
| ELT On |  |  |
| Set ELT |  |  |
| Toggle ELT |  |  |
| Set External System |  |  |
| Toggle External System |  |  |
| Set Freeze Altitude |  |  |
| Toggle Freeze Altitude |  |  |
| Set Freeze Attitude |  |  |
| Toggle Freeze Attitude |  |  |
| Set Freeze Lat/Long |  |  |
| Toggle Freeze Lat/Long |  |  |
| Decrease Inductor Compass Reference |  |  |
| Increase Inductor Compass Reference |  |  |
| Set Low Height Warning Gauge |  |  |
| Set Low Height Warning |  |  |
| Decrease Climb Rate Pressure |  |  |
| Increase Climb Rate Pressure |  |  |
| Set Climb Rate Pressure |  |  |
| Decrease Altitude Pressure |  |  |
| Increase Altitude Pressure |  |  |
| Pressure Dump Switch |  |  |
| Reset G-Force Indicator |  |  |
| Toggle Attitude Gauge |  |  |
| Toggle GPS Drives NAV1 |  |  |
| Toggle Turn Indicator Switch |  |  |
| Toggle Variometer Switch |  |  |
| Decrease True Airspeed Indicator |  |  |
| Increase True Airspeed Indicator |  |  |
| Set True Airspeed Calculator |  |  |
| Set Zulu Day |  |  |
| Set Zulu Hours |  |  |
| Set Zulu Minutes |  |  |
| Set Zulu Year |  |  |

## Engine Instruments

| **Instruments & Systems - Engine Instruments** | **Keyboard** | **Device** |
| --- | --- | --- |
| Select Engine | **E** |  |
| Auto Start Engine | **Ctrl + E** |  |
| Engine Autostop | **Shift + Ctrl + E** |  |
| Increase Cowl Flap | **Shift + Ctrl + V** |  |
| Increase Cowl Flap 1 |  |  |
| Increase Cowl Flap 2 |  |  |
| Increase Cowl Flap 3 |  |  |
| Increase Cowl Flap 4 |  |  |
| Decrease Cowl Flap | **Shift + Ctrl + C** |  |
| Decrease Cowl Flap 1 |  |  |
| Decrease Cowl Flap 2 |  |  |
| Decrease Cowl Flap 3 |  |  |
| Decrease Cowl Flap 4 |  |  |
| Set Engine 1 Cowl Flap |  |  |
| Set Engine 2 Cowl Flap |  |  |
| Set Engine 3 Cowl Flap |  |  |
| Set Engine 4 Cowl Flap |  |  |
| Toggle Master Ignition Switch | **Alt + I** |  |
| Magneto | **M** |  |
| Magnetos Both | **Shift + Alt + F** |  |
| Increase Magneto |  |  |
| Decrease Magneto |  |  |
| Magnetos Left | **Shift + Alt + S** |  |
| Magnetos Off | **Shift + Alt + Q** |  |
| Magnetos Right | **Shift + Alt + D** |  |
| Set Magnetos |  |  |
| Magnetos Start | **Shift + Alt + G** |  |
| Magneto 1 Both |  |  |
| Increase Magneto 1 |  |  |
| Decrease Magneto 1 |  |  |
| Magneto 1 Left |  |  |
| Magneto 1 Off |  |  |
| Magneto 1 Right |  |  |
| Set Magneto 1 |  |  |
| Magneto 1 Start |  |  |
| Magneto 2 Both |  |  |
| Increase Magneto 2 |  |  |
| Decrease Magneto 2 |  |  |
| Magneto 2 Left |  |  |
| Magneto 2 Off |  |  |
| Magneto 2 Right |  |  |
| Set Magneto 2 |  |  |
| Magneto 2 Start |  |  |
| Magneto 3 Both |  |  |
| Increase Magneto 3 |  |  |
| Decrease Magneto 3 |  |  |
| Magneto 3 Left |  |  |
| Magneto 3 Off |  |  |
| Magneto 3 Right |  |  |
| Set Magneto 3 |  |  |
| Magneto 3 Start |  |  |
| Magneto 4 Both |  |  |
| Increase Magneto 4 |  |  |
| Decrease Magneto 4 |  |  |
| Magneto 4 Left |  |  |
| Magneto 4 Off |  |  |
| Magneto 4 Right |  |  |
| Set Magneto 4 |  |  |
| Magneto 4 Start |  |  |
| Set Engine Master |  |  |
| Toggle Engine Master |  |  |
| Set Engine Master 1 |  |  |
| Toggle Engine Master 1 |  |  |
| Set Engine Master 2 |  |  |
| Toggle Engine Master 2 |  |  |
| Set Engine Master 3 |  |  |
| Toggle Engine Master 3 |  |  |
| Set Engine Master 4 |  |  |
| Toggle Engine Master 4 |  |  |
| Engine Primer |  |  |
| Set Engine Bleed Air Source |  |  |
| Decrease Bleed Air Source Control |  |  |
| Increase Bleed Air Source Control |  |  |
| Set Bleed Air Control Source |  |  |
| Toggle Engine Bleed Air Source |  |  |
| Set APU Bleed Air Source |  |  |
| Toggle APU Bleed Air Source |  |  |
| Set APU Bleed to Engine |  |  |
| Toggle APU Bleed to Engine |  |  |
| Set Engine Crank Mode |  |  |
| Set Engine IGN / START Mode |  |  |
| Set Engine NORM Mode |  |  |
| EGT |  |  |
| Increase EGT |  |  |
| Decrease EGT |  |  |
| Set EGT |  |  |
| Increase EGT 1 |  |  |
| Decrease EGT 1 |  |  |
| Set EGT 1 |  |  |
| Increase EGT 2 |  |  |
| Decrease EGT 2 |  |  |
| Set EGT 2 |  |  |
| Increase EGT 3 |  |  |
| Decrease EGT 3 |  |  |
| Set EGT 3 |  |  |
| Increase EGT 4 |  |  |
| Decrease EGT 4 |  |  |
| Set EGT 4 |  |  |
| Reset Max RPM Indicator |  |  |
| Set Starter 1 (Hold) |  |  |
| Set Starter 2 (Hold) |  |  |
| Set Starter 3 (Hold) |  |  |
| Set Starter 4 (Hold) |  |  |
| Set Starters (Hold) |  |  |
| Set Starter 1 |  |  |
| Set Starter 2 |  |  |
| Set Starter 3 |  |  |
| Set Starter 4 |  |  |
| Starters Off |  |  |
| Set Starters |  |  |
| Starters Start |  |  |
| Toggle All Starters |  |  |
| Toggle Master Starter Switch |  |  |
| Toggle Starter 1 |  |  |
| Toggle Starter 2 |  |  |
| Toggle Starter 3 |  |  |
| Toggle Starter 4 |  |  |
| Set Turbines Ignition Switch |  |  |
| Set Turbine 1 Ignition Switch |  |  |
| Set Turbine 2 Ignition Switch |  |  |
| Set Turbine 3 Ignition Switch |  |  |
| Set Turbine 4 Ignition Switch |  |  |
| Toggle Turbine Ignition Switch |  |  |

## Electrics

| **Instruments & Systems - Electrics** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Master Alternator | **Alt + A** |  |
| Toggle Master Battery | **Alt + B** |  |
| Toggle Master Battery & Alternator | **Shift + M** |  |
| Toggle External Power |  |  |
| Set External Power |  |  |
| Alternator Off |  |  |
| Alternator On |  |  |
| Set Alternator |  |  |
| Set APU |  |  |
| Toggle APU |  |  |
| APU Off |  |  |
| APU Starter |  |  |
| Set Battery 1 |  |  |
| Set Battery 2 |  |  |
| Set Battery 3 |  |  |
| Set Battery 4 |  |  |
| Set Cabin Lights Power Setting |  |  |
| Set Electrical Circuit Power Setting |  |  |
| Excecute Electrical Procedure |  |  |
| Set Electrical Fuel Pump 1 |  |  |
| Set Electrical Fuel Pump 2 |  |  |
| Set Electrical Fuel Pump 3 |  |  |
| Set Electrical Fuel Pump 4 |  |  |
| Set Glareshield Lights Power Setting |  |  |
| Master Battery Off |  |  |
| Master Battery On |  |  |
| Set Master Battery |  |  |
| Set Panel Lights Power Setting |  |  |
| Set Pedestal Lights Power Setting |  |  |
| Toggle Alternator 1 |  |  |
| Toggle Alternator 2 |  |  |
| Toggle Alternator 3 |  |  |
| Toggle Alternator 4 |  |  |
| Toggle Electric Vacuum Pump |  |  |
| Toggle Electric Fuel Pumps |  |  |
| Toggle Electric Fuel Pump 1 |  |  |
| Toggle Electric Fuel Pump 2 |  |  |
| Toggle Electric Fuel Pump 3 |  |  |
| Toggle Electric Fuel Pump 4 |  |  |

## Fuel

| **Instruments & Systems - Fuel** | **Keyboard** | **Device** |
| --- | --- | --- |
| Add Fuel Quantity |  |  |
| Cross Feed Left to Right |  |  |
| Open Cross Feed |  |  |
| Cross Feed Off |  |  |
| Cross Feed Right to Left |  |  |
| Toggle Cross Feed |  |  |
| Toggle Fuel Pump | **Alt + P** |  |
| Pump On |  |  |
| Pump Off |  |  |
| Set Pump |  |  |
| Toggle Pump |  |  |
| Trigger On |  |  |
| Trigger Off |  |  |
| Set Trigger |  |  |
| Toggle Trigger |  |  |
| Fuel Valve On |  |  |
| Fuel Valve Off |  |  |
| Set Fuel Valve |  |  |
| Toggle Fuel Valve |  |  |
| Shutoff Valve On |  |  |
| Shutoff Valve Off |  |  |
| Toggle Shutoff Valve |  |  |
| Toggle All Fuel Valves | **Alt + V** |  |
| Toggle Engine 1 Fuel Valve |  |  |
| Toggle Engine 2 Fuel Valve |  |  |
| Toggle Engine 3 Fuel Valve |  |  |
| Toggle Engine 4 Fuel Valve |  |  |
| Set Fuel Dump Switch |  |  |
| Toggle Fuel Dump | **Shift + Ctrl + D** |  |
| Fuel Selector 1 All | **Alt W** |  |
| Fuel Selector 1 Off | **Ctrl + Alt + W** |  |
| Fuel Selector 1 Center |  |  |
| Crossfeed Fuel Selector 1 |  |  |
| Islolate Fuel Selector 1 |  |  |
| Fuel Selector 1 Left |  |  |
| Fuel Selector 1 Left Aux |  |  |
| Fuel Selector 1 Left Main |  |  |
| Fuel Selector 1 Right |  |  |
| Fuel Selector 1 Right Aux |  |  |
| Fuel Selector 1 Right Main |  |  |
| Set Fuel Selector 1 |  |  |
| Fuel Selector 2 All |  |  |
| Fuel Selector 2 Off |  |  |
| Fuel Selector 2 Center |  |  |
| Crossfeed Fuel Selector 2 |  |  |
| Isolate Fuel Selector 2 |  |  |
| Fuel Selector 2 Left |  |  |
| Fuel Selector 2 Left Aux |  |  |
| Fuel Selector 2 Left Main |  |  |
| Fuel Selector 2 Right |  |  |
| Fuel Selector 2 Right Aux |  |  |
| Fuel Selector 2 Right Main |  |  |
| Set Fuel Selector 2 |  |  |
| Fuel Selector 3 All |  |  |
| Fuel Selector 3 Off |  |  |
| Fuel Selector 3 Center |  |  |
| Crossfeed Fuel Selector 3 |  |  |
| Isolate Fuel Selector 3 |  |  |
| Fuel Selector 3 Left |  |  |
| Fuel Selector 3 Left Aux |  |  |
| Fuel Selector 3 Left Main |  |  |
| Fuel Selector 3 Right |  |  |
| Fuel Selector 3 Right Aux |  |  |
| Fuel Selector 3 Right Main |  |  |
| Set Fuel Selector 3 |  |  |
| Fuel Selector 4 All |  |  |
| Fuel Selector 4 Off |  |  |
| Fuel Selector 4 Center |  |  |
| Crossfeed Fuel Selector 4 |  |  |
| Isolate Fuel Selector 4 |  |  |
| Fuel Selector 4 Left |  |  |
| Fuel Selector 4 Left Aux |  |  |
| Fuel Selector 4 Left Main |  |  |
| Fuel Selector 4 Right |  |  |
| Fuel Selector 4 Right Aux |  |  |
| Fuel Selector 4 Right Main |  |  |
| Set Fuel Selector 4 |  |  |
| Set Junction |  |  |
| Toggle Fuel Flow Bug Position 1 |  |  |
| Toggle Fuel Flow Bug Position 2 |  |  |
| Toggle Fuel Flow Bug Position 3 |  |  |
| Toggle Fuel Flow Bug Position 4 |  |  |
| Manual Fuel Pressure Pump |  |  |
| Manual Fuel Transfer |  |  |
| Set Fuel Transfer Aft |  |  |
| Set Fuel Transfer Auto |  |  |
| Set Fuel Transfer Forward |  |  |
| Set Fuel Transfer Off |  |  |
| Toggle Primers |  |  |
| Toggle Primer 1 |  |  |
| Toggle Primer 2 |  |  |
| Toggle Primer 3 |  |  |
| Toggle Primer 4 |  |  |
| Set Engine 1 Valve |  |  |
| Set Engine 2 Valve |  |  |
| Set Engine 3 Valve |  |  |
| Set Engine 4 Valve |  |  |

## Anti Ice

| **Instruments & Systems - Anti Ice** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Anti Ice | **H** |  |
| Toggle Engine 1 Anti Ice |  |  |
| Toggle Engine 2 Anti Ice |  |  |
| Toggle Engine 3 Anti Ice |  |  |
| Toggle Engine 4 Anti Ice |  |  |
| Toggle Pitot Heat | **Shift + H** |  |
| Pitot Heat Off |  |  |
| Pitot Heat On |  |  |
| Set Pitot Heat |  |  |
| Set Engines Gradual Anti Ice |  |  |
| Set Engine 1 Gradual Anti Ice |  |  |
| Set Engine 2 Gradual Anti Ice |  |  |
| Set Engine 3 Gradual Anti Ice |  |  |
| Set Engine 4 Gradual Anti Ice |  |  |
| Set Anti Ice Off |  |  |
| Set Anti Ice On |  |  |
| Set Anti Ice |  |  |
| Set Engine 1 Anti Ice |  |  |
| Set Engine 2 Anti Ice |  |  |
| Set Engine 3 Anti Ice |  |  |
| Set Engine 4 Anti Ice |  |  |
| Toggle Propeller Deice |  |  |
| Toggle Structural Deice |  |  |
| Set Windshield Deice Off |  |  |
| Set Windshield Deice On |  |  |
| Set Windshield Deice |  |  |
| Toggle Windshield Deice |  |  |

## Hydraulics

| **Instruments & Systems - Hydraulics** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Hydraulic Switch |  |  |

# Lights

| **Lights** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Lights (general) | **L** |  |

## Exterior Lights

| **Lights - Exterior Lights** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Landing Lights | **Ctrl + L** |  |
| Landing Lights Off |  |  |
| Landing Lights On |  |  |
| Set Landing Lights |  |  |
| Landing Lights Up | **Shift + Ctrl + Num 8** |  |
| Landing Lights Down | **Shift + Ctrl + Num 2** |  |
| Landing Lights Left | **Shift + Ctrl + Num 4** |  |
| Landing Lights Right | **Shift + Ctrl + Num 6** |  |
| Landing Lights Home | **Shift + Ctrl + Num 5** |  |
| Toggle Taxi Lights | **Alt + J** |  |
| Taxi Lights Off |  |  |
| Taxi Lights On |  |  |
| Set Taxi Lights |  |  |
| Toggle Beacon Lights | **Alt + H** |  |
| Beacon Lights Off |  |  |
| Beacon Lights On |  |  |
| Set Beacon Lights |  |  |
| Toggle Nav Lights | **Alt + N** |  |
| Nav Lights Off |  |  |
| Nav Lights On |  |  |
| Set Nav Lights |  |  |
| Toggle Strobes | **O** |  |
| Strobes Off |  |  |
| Strobes On |  |  |
| Set Strobes |  |  |
| Toggle Logo Lights |  |  |
| Toggle Recognition Lights |  |  |
| Toggle Wing Lights |  |  |

## Interior Lights

| **Lights - Interior Lights** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Flashlight | **Alt + L** |  |
| Toggle Cabin Lights |  |  |
| Cabin Lights Off |  |  |
| Cabin Lights On |  |  |
| Set Cabin Lights |  |  |
| Toggle Glareshield Lights |  |  |
| Glareshield Lights Off |  |  |
| Glareshield Lights On |  |  |
| Set Glareshield Lights |  |  |
| [ Toggle Panel Lights ] – (apparently unavailable) |  |  |
| Panel Lights Off |  |  |
| Panel Lights On |  |  |
| Set Panel Lights |  |  |
| Toggle Pedestal Lights |  |  |
| Pedestal Lights Off |  |  |
| Pedestal Lights On |  |  |
| Set Pedestal Lights |  |  |
| Decrease Light Potentiometer |  |  |
| Increase Light Potentiometer |  |  |

# Flight Control Surfaces

## Primary Control Surfaces

| **Primary Control Surfaces** | **Keyboard** | **Device** |
| --- | --- | --- |
| Center Aileron |  |  |
| Aileron Left (Roll Left) | Num 4 |  |
| Aileron Right (Roll Right) | Num 6 |  |
| Center Aileron Rudder | Num 5 |  |
| Elevator Down (Pitch Down) | Num 8 |  |
| Elevator Up (Pitch Up | Num 2 |  |
| Center Rudder |  |  |
| Toggle Water Rudder | Ctrl + W |  |
| Rudder Left (Yaw Left) | Num 0 |  |
| Rudder Right (Yaw Right) | Enter |  |

## Secondary Control Surfaces

| **Secondary Control Surfaces** | **Keyboard** | **Device** |
| --- | --- | --- |
| Increase Flaps | F7 |  |
| Extend Flaps | F8 |  |
| Decrease Flaps | F6 |  |
| Retract Flaps | F5 |  |
| Flaps 1 |  |  |
| Flaps 2 |  |  |
| Flaps 3 |  |  |
| Flaps 4 |  |  |
| Increase Flaps (Continuous) |  |  |
| Decrease Flaps (Continuous) |  |  |
| Set Flaps (Continuous) |  |  |
| Flaps Axis (0 to 100%) \* |  |  |
| Toggle Spoilers |  |  |
| Arm Auto Spoilers |  |  |
| Disarm Auto Spoilers |  |  |
| Set Auto Spoilers Arming |  |  |
| Toggle Arm Spoilers |  |  |
| Retract Spoilers |  |  |
| Extend Spoilers |  |  |
| Spoilers Axis (0 to 100%) \* |  |  |

## Control Trimming Surfaces

| **Control Trimming Surfaces** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Elevator Trim |  |  |
| Elevator Trim Down (Nose Down) | Num 7 |  |
| Elevator Trim Up (Nose Up) | Num 1 |  |
| Set Elevator Trim |  |  |
| Elevator Trim Axis (0 to 100%) \* |  |  |
| Toggle Aileron Trim |  |  |
| Aileron Trim Left | Ctrl + Num 4 |  |
| Aileron Trim Right | Ctrl + Num 6 |  |
| Set Aileron Trim |  |  |
| Toggle Rudder Trim |  |  |
| Rudder Trim Left | Ctrl + Num 0 |  |
| Rudder Trim Right | Ctrl + Enter |  |
| Set Rudder Trim |  |  |
| Reset Rudder Trim |  |  |

\* I think these Axis are not the same than the section 1 ones, and can not be linked to a device.

# Power Management

## Throttle

| **Power Management - Throttle** | **Keyboard** | **Device** |
| --- | --- | --- |
| Increase Throttle | **F3** |  |
| Increase Throttle (Small) |  |  |
| [ Full Throttle ] – (apparently unavailable) | **[ F4 ]** |  |
| Decrease Throttle | **F2** |  |
| Throttle Cut | **F1** |  |
| Hold Throttle Reverse Thrust |  |  |
| Toggle Throttle Reverse Thrust |  |  |
| Throttle 1 Increase |  |  |
| Throttle 1 Increase (Small) |  |  |
| Full Throttle 1 |  |  |
| Throttle 1 Decrease |  |  |
| Throttle 1 Cut |  |  |
| Throttle 2 Increase |  |  |
| Throttle 2 Increase (Small) |  |  |
| Full Throttle 2 |  |  |
| Throttle 2 Decrease |  |  |
| Throttle 2 Cut |  |  |
| Throttle 3 Increase |  |  |
| Throttle 3 Increase (Small) |  |  |
| Full Throttle 3 |  |  |
| Throttle 3 Decrease |  |  |
| Throttle 3 Cut |  |  |
| Throttle 4 Increase |  |  |
| Throttle 4 Increase (Small) |  |  |
| Full Throttle 4 |  |  |
| Throttle 4 Decrease |  |  |
| Throttle 4 Cut |  |  |
| Throttle 10% |  |  |
| Throttle 20% |  |  |
| Throttle 30% |  |  |
| Throttle 40% |  |  |
| Throttle 50% |  |  |
| Throttle 60% |  |  |
| Throttle 70% |  |  |
| Throttle 80% |  |  |
| Throttle 90% |  |  |

## Propeller

| **Power Management - Propeller** | **Keyboard** | **Device** |
| --- | --- | --- |
| Increase Propeller Pitch | **Ctrl + F3** |  |
| Increase Propeller Pitch (Small) |  |  |
| Decrease Propeller Pitch | **Ctrl + F2** |  |
| Decrease Propeller Pitch (Small) |  |  |
| Propeller Pitch HI | **Ctrl + F4** |  |
| Propeller Pitch LO | **Ctrl + F1** |  |
| Hold Propeller Reverse Thrust |  |  |
| Toggle Propeller Reverse Thrust |  |  |
| Toggle Autofeather Arming |  |  |
| Toggle Feather Switches |  |  |
| Toggle Feather Switch 1 |  |  |
| Toggle Feather Switch 2 |  |  |
| Toggle Feather Switch 3 |  |  |
| Toggle Feather Switch 4 |  |  |
| Toggle Propeller Sync |  |  |
| Increase Propeller 1 Pitch |  |  |
| Increase Propeller 1 Pitch (Small) |  |  |
| Decrease Propeller 1 Pitch |  |  |
| Decrease Propeller 1 Pitch (Small) |  |  |
| Propeller 1 Pitch HI |  |  |
| Propeller 1 Pitch LO |  |  |
| Increase Propeller 2 Pitch |  |  |
| Increase Propeller 2 Pitch (Small) |  |  |
| Decrease Propeller 2 Pitch |  |  |
| Decrease Propeller 2 Pitch (Small) |  |  |
| Propeller 2 Pitch HI |  |  |
| Propeller 2 Pitch LO |  |  |
| Increase Propeller 3 Pitch |  |  |
| Increase Propeller 3 Pitch (Small) |  |  |
| Decrease Propeller 3 Pitch |  |  |
| Decrease Propeller 3 Pitch (Small) |  |  |
| Propeller 3 Pitch HI |  |  |
| Propeller 3 Pitch LO |  |  |
| Increase Propeller 4 Pitch |  |  |
| Increase Propeller 4 Pitch (Small) |  |  |
| Decrease Propeller 4 Pitch |  |  |
| Decrease Propeller 4 Pitch (Small) |  |  |
| Propeller 4 Pitch HI |  |  |
| Propeller 4 Pitch LO |  |  |

## Mixture

| **Power Management - Mixture** | **Keyboard** | **Device** |
| --- | --- | --- |
| Increase Mixture |  |  |
| Increase Mixture (Small) | **Shift + Ctrl + F3** |  |
| Decrease Mixture | **Shift + Ctrl + F2** |  |
| Decrease Mixture (Slow) |  |  |
| Set Mixture Rich | **Shift + Ctrl + F4** |  |
| Set Mixture Lean | **Shift + Ctrl + F1** |  |
| Set Best Mixture |  |  |
| Increase Mixture1 |  |  |
| Increase Mixture 1 (Small) |  |  |
| Decrease Mixture 1 |  |  |
| Decrease Mixture 1 (Slow) |  |  |
| Set Mixture Lean 1 |  |  |
| Set Mixture 1 Rich |  |  |
| Increase Mixture 2 |  |  |
| Increase Mixture 2 (Small) |  |  |
| Decrease Mixture 2 |  |  |
| Decrease Mixture 2 (Slow) |  |  |
| Set Mixture Lean 2 |  |  |
| Set Mixture 2 Rich |  |  |
| Increase Mixture 3 |  |  |
| Increase Mixture 3 (Small) |  |  |
| Decrease Mixture 3 |  |  |
| Decrease Mixture 3 (Slow) |  |  |
| Set Mixture Lean 3 |  |  |
| Set Mixture 3 Rich |  |  |
| Increase Mixture 4 |  |  |
| Increase Mixture 4 (Small) |  |  |
| Decrease Mixture 4 |  |  |
| Decrease Mixture 4 (Slow) |  |  |
| Set Mixture Lean 4 |  |  |
| Set Mixture 4 Rich |  |  |

# Landing Gear

| **Landing Gear** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Landing Gear | **G** |  |
| Gear Down | **Ctrl + G** |  |
| Toggle Gear Emergency Handle |  |  |
| Set Gear |  |  |
| Gear Up |  |  |
| Toggle Tail Wheel Lock | **Shift + G** |  |

# Brakes

| **Brakes** | **Keyboard** | **Device** |
| --- | --- | --- |
| Brakes | **Num Del** |  |
| Toggle Parking Brakes | **Ctrl + Num Del** |  |
| Set Parking Brakes |  |  |
| Left Brake | **Num \*** |  |
| Right Brake | **Num -** |  |
| Toggle Anti Skid Brakes |  |  |
| Increase Autobrake Control |  |  |
| Decrease Autobrake Control |  |  |
| Set Autobrake Control |  |  |
| Set Autobrake LO |  |  |
| Set Autobrake MED |  |  |
| Set Autobrake HI |  |  |

# Autopilot

| **Autopilot** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Autopilot Master | **Z** |  |
| Autopilot On | **Alt + Z** |  |
| Autopilot Off | **Shift + Alt + Z** |  |
| Toggle Autopilot Wing Leveler | **Ctrl + V** |  |
| Autopilot Wing Leveler On |  |  |
| Autopilot Wing Leveler Off |  |  |
| Set Autopilot Disengage |  |  |
| Toggle Disengage Autopilot |  |  |
| Toggle Avionics Master | **Page Up** |  |
| Toggle Flight Director | **Ctrl + F** |  |
| Increase Autopilot Max Bank |  |  |
| Decrease Autopilot Max Bank |  |  |
| Toggle Yaw Damper | **Ctrl + D** |  |
| Yaw Damper On |  |  |
| Yaw Damper Off |  |  |
| Set Yaw Damper |  |  |

## HDG

| **Autopilot - HDG** |  |  |
| --- | --- | --- |
| Toggle Autopilot Heading Hold | **Ctrl + H** |  |
| Autopilot Heading Hold On |  |  |
| Autopilot Heading Hold Off |  |  |
| Set AP Heading Slot Index |  |  |

## NAV

| **Autopilot - NAV** |  |  |
| --- | --- | --- |
| Autopilot NAV1 Hold | **Ctrl + N** |  |
| Autopilot NAV1 Hold On |  |  |
| Autopilot NAV1 Hold Off |  |  |
| Set Autopilot NAV Select |  |  |
| Toggle Autopilot Localizer Hold | **Ctrl + O** |  |
| Autopilot Localizer Hold On |  |  |
| Autopilot Localizer Hold Off |  |  |
| Toggle Autopilot Approach Hold | **Ctrl + A** |  |
| Autopilot Approach Hold On |  |  |
| Autopilot Approach Hold Off |  |  |
| Toggle Autopilot Backcourse Hold |  |  |
| Autopilot Back Course Hold On |  |  |
| Autopilot Back Course Hold Off |  |  |

## ALT

| **Autopilot - ALT** |  |  |
| --- | --- | --- |
| Set AP Altitude Slot Index |  |  |
| Autopilot Altitude Hold On |  |  |
| Autopilot Altitude Hold Off |  |  |
| Toggle Autopilot Altitude Hold | **Ctrl + Z** |  |
| Increase Autopilot Reference Altitude | **Ctrl + Page Up** |  |
| Decrease Autopilot Reference Altitude | **Ctrl + Page Down** |  |
| AP Altitude Reference Imperial |  |  |
| AP Reference Altitude Metric |  |  |
| Toggle Autopilot Attitude Hold | **Ctrl + T** |  |
| Autopilot Attitude Hold On |  |  |
| Autopilot Attitude Hold Off |  |  |
| Toggle Autopilot Flight Level Change |  |  |
| Autopilot Flight Level Change On |  |  |
| Autopilot Flight Level Change Off |  |  |

## VS

| **Autopilot - VS** |  |  |
| --- | --- | --- |
| Toggle Autopilot VS Hold |  |  |
| Autopilot VS Hold On |  |  |
| Autopilot VS Hold Off |  |  |
| Set Autopilot VS Hold |  |  |
| Increase Autopilot Reference VS | **Ctrl + Home** |  |
| Decrease Autopilot Reference VS | **Ctrl + End** |  |
| Set AP Current VS |  |  |
| AP Reference VS Imperial |  |  |
| AP VS Reference Metric |  |  |
| Set AP VS Slot Index |  |  |
| Autopilot Pitch Leveler Hold |  |  |
| Autopilot Pitch Leveler On |  |  |
| Autopilot Pitch Leveler Off |  |  |
| Select AP Pitch Hold Reference |  |  |
| Increase AP Pitch Hold Reference |  |  |
| Decrease AP Pitch Hold Reference |  |  |
| Flight Director Pitch Sync |  |  |

## SPD

| **Autopilot - SPD** |  |  |
| --- | --- | --- |
| Arm Auto Throttle | **Shift + R** |  |
| Auto Throttle Disconnect |  |  |
| Auto Throttle TO GA | **Shift + Ctrl + G** |  |
| Increase Autopilot Reference Airspeed | **Shift + Ctrl + Insert** |  |
| Decrease Autopilot Reference Airspeed | **Shift + Ctrl + Delete** |  |
| Autopilot N1 Hold | **Ctrl + S** |  |
| Increase Autopilot N1 Reference | **Ctrl + Home** |  |
| Decrease Autopilot N1 Reference | **Ctrl + End** |  |
| Set Autopilot N1 Reference |  |  |
| Autopilot Mach Hold Current |  |  |
| Autopilot Airspeed Acquire |  |  |
| Autopilot Airspeed Hold Current |  |  |
| Autopilot Airspeed Hold |  |  |
| Autopilot Airspeed Hold On |  |  |
| Autopilot Airspeed Hold Off |  |  |
| Set Autopilot Airspeed Hold |  |  |
| Toggle Autopilot Mach Hold | **Ctrl + M** |  |
| Autopilot Mach Hold On |  |  |
| Autopilot Mach Hold Off |  |  |
| Set Autopilot Mach Hold |  |  |
| Increase Autopilot Reference Mach |  |  |
| Decrease Autopilot Reference Mach |  |  |
| Set Autopilot Mach Reference |  |  |
| Toggle AP Managed Speed in Mach |  |  |
| Set AP Managed Speed in Mach On |  |  |
| Set AP Managed Speed in Mach Off |  |  |
| Set AP Managed Speed in Mach |  |  |
| Set AP RPM Slot Index |  |  |
| AP Reference Airspeed in Knots |  |  |
| Set AP Speed Slot Index |  |  |

# Radio

| **Radio** | **Keyboard** | **Device** |
| --- | --- | --- |
| Set Copilot Transmitter |  |  |
| Frequency Swap | **X** |  |
| Increase Wheel Speed |  |  |
| Mute Marker Beacon |  |  |
| Set Pilot Transmitter |  |  |
| Toggle Speaker |  |  |
| Toggle Annunciator Switch |  |  |
| Annunciator Switch On |  |  |
| Annunciator Switch Off |  |  |

## ATC

| **Radio - ATC** | **Keyboard** | **Device** |
| --- | --- | --- |
| Display ATC | **Scroll Lock** |  |
| ATC Panel Choice 0 | **0** |  |
| ATC Panel Choice 1 | **1** |  |
| ATC Panel Choice 2 | **2** |  |
| ATC Panel Choice 3 | **3** |  |
| ATC Panel Choice 4 | **4** |  |
| ATC Panel Choice 5 | **5** |  |
| ATC Panel Choice 6 | **6** |  |
| ATC Panel Choice 7 | **7** |  |
| ATC Panel Choice 8 | **8** |  |
| ATC Panel Choice 9 | **9** |  |

## COMMS

| **Radio - COMMS** | **Keyboard** | **Device** |
| --- | --- | --- |
| Com Radio | **C** |  |
| Set Com Radio |  |  |
| Set All Com Receive |  |  |
| Set Com1 Standby | **Shift + Alt + X** |  |
| Com1 Switch to Standby | **Alt + U** |  |
| Set Com1 |  |  |
| Com1 Swap |  |  |
| Increase Com1 (WHOLE) |  |  |
| Decrease Com1 (WHOLE) |  |  |
| Select Com1 Receive |  |  |
| Set Com1 Stored Frequency Index |  |  |
| Set Com1 Stored Frequency |  |  |
| Select Com1 Transmit |  |  |
| Increase Com1 Volume |  |  |
| Decrease Com1 Volume |  |  |
| Set Com1 Volume |  |  |
| Increase Com1 (Fract) |  |  |
| Increase Com1 Frequency (Fract, Carry) |  |  |
| Decrease Com1 (Fract) |  |  |
| Decrease Com1 Frequency (Fract, Carry) |  |  |
| Increase Com2 Frequency (Fract) |  |  |
| Increase Com2 Frequency (Fract, Carry) |  |  |
| Decrease Com2 Frequency (Fract) |  |  |
| Decrease Com2 Frequency (Fract, Carry) |  |  |
| Set Com2 |  |  |
| Com2 Swap |  |  |
| Increase Com2 Frequency (Whole) |  |  |
| Decrease Com2 Frequency (Whole) |  |  |
| Select Com2 Recieve |  |  |
| Set Com2 Standby |  |  |
| Set Com2 Stored Frequency Index |  |  |
| Set Com2 Stored Frequency |  |  |
| Select Com2 Transmit |  |  |
| Increase Com2 Volume |  |  |
| Decrease Com2 Volume |  |  |
| Set Com2 Volume |  |  |
| Increase Com3 Frequency (Fract) |  |  |
| Increase Com3 Frequency (Fract, Carry) |  |  |
| Decrease Com3 Frequency (Fract) |  |  |
| Decrease Com3 Frequency (Fract, Carry) |  |  |
| Set Com2 |  |  |
| Com3 Swap |  |  |
| Increase Com3 Frequency (Whole) |  |  |
| Decrease Com3 Frequency (Whole) |  |  |
| Select Com3 Receive |  |  |
| Set Com2 Standby |  |  |
| Set Com3 Stored Frequency Index |  |  |
| Set Com3 Stored Frequency |  |  |
| Increase Com3 Volume |  |  |
| Decrease Com3 Volume |  |  |
| Set Com3 Volume |  |  |
| Toggle Comm1 Autoswitch |  |  |
| Toggle Comm2 Autoswitch |  |  |
| Toggle Comm Nav1 Test |  |  |
| Toggle Comm Nav2 Test |  |  |
| Toggle Comm Nav3 Test |  |  |

## NAV

| **Radio - NAV** | **Keyboard** | **Device** |
| --- | --- | --- |
| NAV Radio | **N** |  |
| NAV1 Swap | **Shift + Ctrl + N** |  |
| Increase Nav1 (Fract) |  |  |
| Increase Nav1 Frequency (Fract, Carry) | **Shift + Ctrl + Page Up** |  |
| Decrease Nav1 (Fract) |  |  |
| Decrease Nav1 Frequency (Fract, Carry) | **Shift + Ctrl + Page Down** |  |
| Set Nav1 |  |  |
| Increase Nav1 (Whole) |  |  |
| Decrease Nav1 (Whole) |  |  |
| Set Nav1 Standby |  |  |
| Increase Nav1 Volume |  |  |
| Decrease Nav1 Volume |  |  |
| Set Nav1 Volume |  |  |
| Increase Nav2 (Fract) |  |  |
| Increase Nav2 Frequency (Fract, Carry) |  |  |
| Decrease Nav2 (Fract) |  |  |
| Decrease Nav2 Frequency (Fract, Carry) |  |  |
| Set Nav2 |  |  |
| Nav2 Swap |  |  |
| Increase Nav2 (Whole) |  |  |
| Decrease Nav2 (Whole) |  |  |
| Set Nav2 Standby |  |  |
| Increase Nav2 Volume |  |  |
| Decrease Nav2 Volume |  |  |
| Set Nav2 Volume |  |  |
| Toggle Nav1 Autoswitch |  |  |
| Toggle Nav2 Autoswitch |  |  |

## VOR

| **Radio - VOR** | **Keyboard** | **Device** |
| --- | --- | --- |
| VOR OBS | **Shift + V** |  |
| Increase VOR1 OBS | **Shift + Ctrl + Home** |  |
| Decrease VOR1 OBS | **Shift + Ctrl + End** |  |
| Set VOR1 |  |  |
| Disable VOR1 Identifier |  |  |
| Enable VOR1 Identifier |  |  |
| Set VOR1 Identifier |  |  |
| Toggle VOR1 Identifier |  |  |
| Increase VOR2 OBS |  |  |
| Decrease VOR2 OBS |  |  |
| Set VOR2 |  |  |
| Disable VOR2 Identifier |  |  |
| Enable VOR2 Identifier |  |  |
| Set VOR2 Identifier |  |  |
| Toggle VOR2 Identifier |  |  |

## OBI

| **Radio - OBI** | **Keyboard** | **Device** |
| --- | --- | --- |
| Increase VOR1 OBS (Fast) |  |  |
| Decrease VOR1 OBS (Fast) |  |  |
| Increase VOR2 OBS (Fast) |  |  |
| Decrease VOR2 OBS (Fast) |  |  |

## KOLLSMAN

| **Radio - KOLLSMAN** | **Keyboard** | **Device** |
| --- | --- | --- |
| Set Altimeter |  |  |
| Increase Altimeter |  |  |
| Decrease Altimeter |  |  |

## DME

| **Radio - DME** | **Keyboard** | **Device** |
| --- | --- | --- |
| DME | **F** |  |
| Toggle DME 1 |  |  |
| Toggle DME 2 |  |  |
| Select DME |  |  |
| Toggle DME |  |  |
| Disable DME 1 Identifier |  |  |
| Enable DME 1 Identifier |  |  |
| Set DME 1 Identifier |  |  |
| Toggle DME 1 Identifier |  |  |
| Disable DME 2 Identifier |  |  |
| Enable DME 2 Identifier |  |  |
| Set DME 2 Identifier |  |  |
| Toggle DME 2 Identifier |  |  |
| Disable DME Identifier |  |  |
| Enable DME Identifier |  |  |
| Set DME Identifier |  |  |
| Toggle DME Identifier |  |  |

## XPNDR

| **Radio - XPNDR** | **Keyboard** | **Device** |
| --- | --- | --- |
| Transponder |  |  |
| Set Transponder |  |  |
| Increase Transponder (1000) |  |  |
| Decrease Transponder (1000) |  |  |
| Increase Transponder (100) |  |  |
| Decrease Transponder (100) |  |  |
| Increase Transponder (10) |  |  |
| Decrease Transponder (10) |  |  |
| Increase Transponder (1) |  |  |
| Decrease Transponder (1) |  |  |
| Increase Transponder (1,CARRY) |  |  |
| Decrease Transponder (1,CARRY) |  |  |

## ADF

| **Radio - ADF** | **Keyboard** | **Device** |
| --- | --- | --- |
| ADF | **Shift + Ctl + A** |  |
| ADF1 Swap |  |  |
| Increase ADF1 (0.1) |  |  |
| Decrease ADF1 (0.1) |  |  |
| Increase ADF2 (100) |  |  |
| Decrease ADF2 (100) |  |  |
| Increase ADF2 (10) |  |  |
| Decrease ADF2 (10) |  |  |
| Increase ADF2 (1) |  |  |
| Decrease ADF2 (1) |  |  |
| Set ADF2 Complete |  |  |
| Increase ADF2 Frequency (Fract) |  |  |
| Decrease ADF2 Frequency (Fract) |  |  |
| ADF2 Swap |  |  |
| Increase ADF2 (0.1) |  |  |
| Decrease ADF2 (0.1) |  |  |
| Increase ADF2 Frequency (Whole) |  |  |
| Decrease ADF2 Frequency (Whole) |  |  |
| Increase ADF1 (100) |  |  |
| Decrease ADF1 (100) |  |  |
| Increase ADF1 (10) |  |  |
| Decrease ADF1 (10) |  |  |
| Increase ADF1 (1) |  |  |
| Decrease ADF1 (1) |  |  |
| Increase ADF Card |  |  |
| Decrease ADF Card |  |  |
| Set ADF Card |  |  |
| Set ADF1 Complete |  |  |
| Increase Adf1 Frequency (Fract, Carry) |  |  |
| Decrease Adf1 Frequency (Fract, Carry) |  |  |
| Set ADF Highrange |  |  |
| Set ADF Lowrange |  |  |
| Set ADF1 Needle |  |  |
| ADF1 Outside Source |  |  |
| Set ADF |  |  |
| Increase ADF Volume |  |  |
| Decrease ADF Volume |  |  |
| Set ADF Volume |  |  |
| Increase ADF1 Frequency (Whole) |  |  |
| Decrease ADF1 Frequency (Whole) |  |  |
| Disable ADF2 Identifier |  |  |
| Enable ADF2 Identifier |  |  |
| Set ADF2 Identifier |  |  |
| Toggle ADF2 Identifier |  |  |
| Disable ADF Identifier |  |  |
| Enable ADF Identifier |  |  |
| Set ADF Identifier |  |  |
| Toggle ADF Identifier |  |  |

# ****VR****

| **VR** | **Keyboard** | **Device** |
| --- | --- | --- |
| VR - Toolbar Toogle |  |  |
| VR - Activate / Deactivate VR Mode |  |  |
| VR - Cockpit Focus |  |  |
| VR - Camera Reset |  |  |

# Camera

| **Camera** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Camera Lock |  |  |
| Camera AI Player | **Home + Ctrl** |  |
| Select Next POI | **Page Up** |  |
| Toggle Follow Smartcam Target | **Page Down** |  |
| Next Smartcam Target | **Page Up + Ctrl** |  |
| Previous Smartcam Target | **Page Down + Ctrl** |  |
| Set Custom Smartcam Target | **T** |  |
| Unset Custom Smartcam Target | **Shift + T** |  |
| Reset Smartcam | **Ctrl + F** |  |

## Camera Mode Switches

| **Camera - Camera Mode Switches** | **Keyboard** | **Device** |
| --- | --- | --- |
| Cockpit / External View Mode | **End** |  |
| Toggle Drone | **Insert** |  |

## Cockpit Camera

| **Camera - Cockpit Camera** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle IFR Cockpit Mode |  |  |
| Toggle IFR Cockpit Mode (Hold) |  |  |
| Reset Home Cockpit Camera |  |  |
| Save Home Cockpit Camera |  |  |
| IFR Pilot View Reset |  |  |
| IFR Pilot View Save |  |  |
| Landing Pilot View Reset |  |  |
| Landing Pilot View Save |  |  |
| VFR Pilot View Reset |  |  |
| VFR Pilot View Save |  |  |
| Increase Cockpit View Height | **Alt + Down** |  |
| Decrease Cockpit View Height | **Alt + Up** |  |
| Translate Cockpit View Backward | **Down** |  |
| Translate Cockpit View Forward | **Up** |  |
| Translate Cockpit View Left | **Left** |  |
| Translate Cockpit View Right | **Right** |  |
| Toggle Copilot View |  |  |
| Toggle Cockpit Focus Mode |  |  |
| Cockpit View Quickview Cycle | **Q** |  |
| Reset Cockpit View | **Ctrl + Space** |  |
| Cockpit View Upper | **Space** |  |
| Previous Pilot Position |  |  |
| Next Pilot Position |  |  |
| Toggle VFR Cockpit Mode (Hold) |  |  |
| Toggle VFR Cockpit Mode |  |  |
| Toggle Landing Cockpit Mode (Hold) |  |  |
| Toggle Landing Cockpit Mode |  |  |
| Toggle Cockpit View |  |  |
| Toggle Smart Camera | **S** |  |
| Zoom Cockpit View | **=** |  |
| Unzoom Cockpit View | **-** |  |
| Cockpit Look Down (Lockable) |  |  |
| Cockpit Look Down Left (Lockable) |  |  |
| Cockpit Look Down Right (Lockable) |  |  |
| Cockpit Look Left (Lockable) |  |  |
| Cockpit Look Right (Lockable) |  |  |
| Cockpit Look Up (Lockable) |  |  |
| Cockpit Look Up Left (Lockable) |  |  |
| Cockpit Look Up Right (Lockable) |  |  |
| Cockpit Look Down | **Shift + Down** |  |
| Cockpit Look Left | **Shift + Left** |  |
| Cockpit Look Right | **Shift + Right** |  |
| Cockpit Look Up | **Shift + Up** |  |
| Cockpit Look Down Left |  |  |
| Cockpit Look Down Right |  |  |
| Cockpit Look Up Left |  |  |
| Cockpit Look Up Right |  |  |
| Toggle Cockpit Freelook |  |  |
| Toggle Cockpit View Freelook (Hold) |  |  |
| Cockpit Quickview Up | **Ctrl + Up** |  |
| Cockpit Quickview Rear | **Ctrl + Down** |  |
| Cockpit Quickview Right | **Ctrl + Right** |  |
| Cockpit Quickview Left | **Ctrl + Left** |  |
| Cockpit Quickview 45 Left |  |  |
| Cockpit Quickview 120 Left |  |  |
| Cockpit Quickview 45 Right |  |  |
| Cockpit Quickview 120 Right |  |  |

## Instrument Views

| **Camera - Instrument Views** | **Keyboard** | **Device** |
| --- | --- | --- |
| Next Camera View | **A** |  |
| Previous Camera View | **Shift + A** |  |
| Toggle Instrument View 10 | **Ctrl + 0** |  |
| Toggle Instrument View 1 | **Ctrl + 1** |  |
| Toggle Instrument View 2 | **Ctrl + 2** |  |
| Toggle Instrument View 3 | **Ctrl + 3** |  |
| Toggle Instrument View 4 | **Ctrl + 4** |  |
| Toggle Instrument View 5 | **Ctrl + 5** |  |
| Toggle Instrument View 6 | **Ctrl + 6** |  |
| Toggle Instrument View 7 | **Ctrl + 7** |  |
| Toggle Instrument View 8 | **Ctrl + 8** |  |
| Toggle Instrument View 9 | **Ctrl + 9** |  |
| Toggle Instrument View Autoselect |  |  |
| Instrument View Down | **Down** |  |
| Instrument View Left | **Left** |  |
| Instrument View Right | **Right** |  |
| Instrument View Up | **Up** |  |
| Toggle Instrument View Freelook |  |  |
| Toggle Instruments View Freelook (Hold) |  |  |

## External Camera

| **Camera - External Camera** | **Keyboard** | **Device** |
| --- | --- | --- |
| Reset External View | **Ctrl + Space** |  |
| Toggle External View Focus |  |  |
| Toggle External View |  |  |
| Zoom External View | **=** |  |
| Unzoom External View | **-** |  |
| External View Freelook |  |  |
| Toggle External View Freelook (Hold) |  |  |
| External Quickview Left | **Ctrl + Left** |  |
| External Quickview Rear | **Ctrl + Down** |  |
| External Quickview Right | **Ctrl + Right** |  |
| External Quickview Top | **Ctrl + Up** |  |
| External View Look Down (Lockable) |  |  |
| External View Look Down Left (Lockable) |  |  |
| External View Look Down Right (Lockable) |  |  |
| External View Look Left (Lockable) |  |  |
| External View Look Right (Lockable) |  |  |
| External View Look Up (Lockable) |  |  |
| External View Look Up Left (Lockable) |  |  |
| External View Look Up Right (Lockable) |  |  |
| External View Look Down |  |  |
| External View Look Down Left |  |  |
| External View Look Down Right |  |  |
| External View Look Left |  |  |
| External View Look Right |  |  |
| External View Look Up Right |  |  |
| External Quickview 45 Left |  |  |
| External Quickview 120 Left |  |  |
| External Quickview 45 Right |  |  |
| External Quickview 120 Right |  |  |

## Drone Camera

| **Camera - Drone Camera** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Drone Camera | **Insert** |  |
| Toggle Plane Controls | **C** |  |
| Toggle Drone Follow Mode | **Tab** |  |
| Toggle Drone Lock Mode | **Ctrl + Tab** |  |
| Increase Drone Zoom | **Num +** |  |
| Decrease Drone Zoom | **Num -** |  |
| Drone Top Down View | **Ctrl + Space** |  |
| Translate Drone Forward | **W** |  |
| Translate Drone Backward | **S** |  |
| Translate Drone Left | **A** |  |
| Translate Drone Right | **D** |  |
| Translate Drone Up | **R** |  |
| Translate Drone Down | **F** |  |
| Reset Drone Roll | **Space** |  |
| Reset Drone Target Offset | **Num 5** |  |
| Pitch Drone Down | **Num 2** |  |
| Roll Drone Right | **Num 9** |  |
| Pitch Drone Up | **Num 8** |  |
| Yaw Drone Left | **Num 4** |  |
| Yaw Drone Right | **Num 6** |  |
| Roll Drone Left | **Num 7** |  |
| Increase Drone Translation Speed | **F2** |  |
| Decrease Drone Translation Speed | **F1** |  |
| Increase Drone Rotation Speed | **F2** |  |
| Decrease Drone Rotation Speed | **F3** |  |
| Attach Drone to Next Target | **Ctrl + Page Up** |  |
| Attach Drone to Previous Target | **Ctrl + Page Down** |  |
| Lock Drone to Next Target | **A** |  |
| Lock Drone to Previous Target | **Shift + A** |  |
| Toggle Drone Auto Exposure | **Ctrl + F4** |  |
| Increase Drone Exposure | **Ctrl + F3** |  |
| Decrease Drone Exposure | **Ctrl + F2** |  |
| Toggle Drone Depth of Field | **F1** |  |
| Toggle Foreground Blur | **F5** |  |
| Toggle Drone Auto Focus | **F4** |  |
| Increase Drone Depth of Field | **F3** |  |
| Decrease Drone Depth Of Field | **F2** |  |
| Translate Drone Left (Lockable) |  |  |
| Translate Drone Right (Lockable) |  |  |
| Translate Drone Down (Lockable) |  |  |
| Translate Drone Up (Lockable) |  |  |
| Translate Drone Backward (Lockable) |  |  |
| Translate Drone Forward (Lockable) |  |  |
| Drone In / Out Rewind |  |  |
| Drone In / Out Play |  |  |
| Pitch Drone Up (Lockable) |  |  |
| Pitch Drone Down (Lockable) |  |  |
| Yaw Drone Left (Lockable) |  |  |
| Yaw Drone Right (Lockable) |  |  |
| Roll Drone Left (Lockable) |  |  |
| Roll Drone Right (Lockable) |  |  |
| Set Drone Bookmark In |  |  |
| Set Drone Bookmark Out |  |  |
| Set Drone Target |  |  |

## Fixed Camera

| **Camera - Fixed Camera** | **Keyboard** | **Device** |
| --- | --- | --- |
| Next Fixed Camera | **A** |  |
| Previous Fixed Camera | **Shift + A** |  |
| Reset Fixed Camera | **F** |  |
| Toggle Fixed Camera 10 | **Ctrl + 0** |  |
| Toggle Fixed Camera 1 | **Ctrl + 1** |  |
| Toggle Fixed Camera 2 | **Ctrl + 2** |  |
| Toggle Fixed Camera 3 | **Ctrl + 3** |  |
| Toggle Fixed Camera 4 | **Ctrl + 4** |  |
| Toggle Fixed Camera 5 | **Ctrl + 5** |  |
| Toggle Fixed Camera 6 | **Ctrl + 6** |  |
| Toggle Fixed Camera 7 | **Ctrl + 7** |  |
| Toggle Fixed Camera 8 | **Ctrl + 8** |  |
| Toggle Fixed Camera 9 | **Ctrl + 9** |  |

## User Cameras

| **Camera - User Cameras** | **Keyboard** | **Device** |
| --- | --- | --- |
| Load Next Custom Camera | **Alt + A** |  |
| Load Previous Custom Camera | **Alt + Shift + A** |  |
| Load Custom Camera 0 | **Alt + 0** |  |
| Load Custom Camera 1 | **Alt + 1** |  |
| Load Custom Camera 2 | **Alt + 2** |  |
| Load Custom Camera 3 | **Alt + 3** |  |
| Load Custom Camera 4 | **Alt + 4** |  |
| Load Custom Camera 5 | **Alt + 5** |  |
| Load Custom Camera 6 | **Alt + 6** |  |
| Load Custom Camera 7 | **Alt + 7** |  |
| Load Custom Camera 8 | **Alt + 8** |  |
| Load Custom Camera 9 | **Alt + 9** |  |
| Save Custom Camera 0 | **Ctrl + Alt + 0** |  |
| Save Custom Camera 1 | **Ctrl + Alt + 1** |  |
| Save Custom Camera 2 | **Ctrl + Alt + 2** |  |
| Save Custom Camera 3 | **Ctrl + Alt + 3** |  |
| Save Custom Camera 4 | **Ctrl + Alt + 4** |  |
| Save Custom Camera 5 | **Ctrl + Alt + 5** |  |
| Save Custom Camera 6 | **Ctrl + Alt + 6** |  |
| Save Custom Camera 7 | **Ctrl + Alt + 7** |  |
| Save Custom Camera 8 | **Ctrl + Alt + 8** |  |
| Save Custom Camera 9 | **Ctrl + Alt + 9** |  |

## Slew Mode

| **Camera - Slew Mode** | **Keyboard** | **Device** |
| --- | --- | --- |
| Toggle Slew Mode | **Y** |  |
| Slew Translate Up (Slow) |  |  |
| Slew Translate Up (Fast) |  |  |
| Slew Translate Backward |  |  |
| Slew Translate Forward |  |  |
| Slew Translate Down (Fast) |  |  |
| Slew Translate Down (Slow) |  |  |
| Slew Y Axis Translation Freeze |  |  |
| Slew Translate Down |  |  |
| Slew Translate Up |  |  |
| Slew Roll Left |  |  |
| Slew Roll Right |  |  |
| Slew X Axis Translation Freeze |  |  |
| Slew Yaw Left |  |  |
| Slew Yaw Right |  |  |
| Slew Translate Left |  |  |
| Set Slew Mode Off |  |  |
| Set Slew Mode On |  |  |
| Slew Pitch Down (Fast) |  |  |
| Slew Pitch Down (Slow) |  |  |
| Slew Pitch Freeze |  |  |
| Slew Pitch Down |  |  |
| Slew Pitch Up |  |  |
| Slew Pitch Up (Fast) |  |  |
| Slew Pitch Up (Slow) |  |  |
| Reset Slew Mode |  |  |
| Slew Translate Right |  |  |