

CAMERA SLEW MODE

TOGGLE SLEW MODE Y

CAMERA MODE SWITCHES

COCKPIT/EXTERNAL VIEW MODE End
TOGGLE DRONE Insert

COCKPIT CAMERA

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
COCKPIT LOOK DOWN Shift+Down
COCKPIT LOOK LEFT Shift+Left
COCKPIT LOOK RIGHT Shift+Right
COCKPIT LOOK UP Shift+Up
COCKPIT QUICKVIEW UP Ctrl+Up
COCKPIT QUICKVIEW REAR Ctrl+Down
COCKPIT QUICKVIEW RIGHT Ctrl+Right
COCKPIT QUICKVIEW LEFT Ctrl+Left
COCKPIT VIEW QUICKVIEW CYCLE Q
RESET COCKPIT VIEW Ctrl+Space
COCKPIT VIEW UPPER Space
UNZOOM EXTERNAL VIEW -
TOGGLE SMART CAMERA S
ZOOM COCKPIT VIEW =

DRONE CAMERA

TOGGLE DRONE DEPTH OF FIELD F1
TOGGLE FOREGROUND BLUR F5
DRONE TOP DOWN VIEW Ctrl+Space
ATTACH DRONE TO NEXT TARGET Ctrl+Page Up
ATTACH DRONE TO PREVIOUS TARGET Ctrl+Page Down
TOGGLE DRONE AUTO EXPOSURE Ctrl+F4
TOGGLE DRONE AUTO FOCUS F4
DECREASE DRONE ROTATION SPEED F3
DECREASE DRONE TRANSLATION SPEED F1
DECREASE DRONE DEPTH OF FIELD F2
INCREASE DRONE DEPTH OF FIELD F3
DECREASE DRONE EXPOSURE Ctrl+F2
INCREASE DRONE EXPOSURE Ctrl+F3
INCREASE DRONE ROTATION SPEED F4
INCREASE DRONE TRANSLATION SPEED F2
LOCK DRONE TO NEXT TARGET A
LOCK DRONE TO PREVIOUS TARGET Shift+A
TRANSLATE DRONE BACKWARD S
TRANSLATE DRONE DOWN F
TRANSLATE DRONE FORWARD Z
TRANSLATE DRONE RIGHT D
TRANSLATE DRONE LEFT Q
TRANSLATE DRONE UP R
RESET DRONE ROLL Space
RESET DRONE TARGET OFFSET Num 5
PITCH DRONE UP Num 2
ROLL DRONE RIGHT Num 9
PITCH DRONE DOWN Num 8
YAW DRONE LEFT Num 4
YAW DRONE RIGHT Num 6
ROLL DRONE LEFT Num 7
TOGGLE DRONE FOLLOW MODE Tab
TOGGLE DRONE LOCK MODE Ctrl+Tab
INCREASE DRONE ZOOM Num +
DECREASE DRONE ZOOM Num -
TOGGLE PLANE CONTROLS C

EXTERNAL CAMERA

RESET EXTERNAL CAMERA Ctrl+Space
EXTERNAL QUICKVIEW LEFT Ctrl+Left
EXTERNAL QUICKVIEW REAR Ctrl+Down
EXTERNAL QUICKVIEW RIGHT Ctrl+Right
EXTERNAL QUICKVIEW TOP Ctrl+Up
UNZOOM EXTERNAL VIEW -
ZOOM EXTERNAL VIEW =

FIXED CAMERA

TOGGLE CAMERA 10 Ctrl+0
TOGGLE CAMERA 1 Ctrl+1
TOGGLE CAMERA 2 Ctrl+2
TOGGLE CAMERA 3 Ctrl+3
TOGGLE CAMERA 4 Ctrl+4
TOGGLE CAMERA 5 Ctrl+5
TOGGLE CAMERA 6 Ctrl+6
TOGGLE CAMERA 7 Ctrl+7
TOGGLE CAMERA 8 Ctrl+8
TOGGLE CAMERA 9 Ctrl+9
TOGGLE CAMERA 9 Ctrl+9
RESET FIXED CAMERA F
PREVIOUS FIXED CAMERA Shift+A
NEXT FIXED CAMERA A

INSTRUMENT VIEWS

PREVIOUS INSTRUMENT VIEW Shift+A
NEXT INSTRUMENT VIEW 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
INSTRUMENT VIEW LOOK DOWN Down
INSTRUMENT VIEW LOOK LEFT Left
INSTRUMENT VIEW LOOK RIGHT Right
INSTRUMENT VIEW LOOK UP Up

USER CAMERAS

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
LOAD NEXT CUSTOM CAMERA Alt+A
LOAD PREVIOUS CUSTOM CAMERA Alt+Shift+A
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
SELECT NEXT POI Page Up
RESET SMARTCAM Ctrl+F
SET CUSTOM SMARTCAM TARGET T
NEXT SMARTCAM TARGET Page Up+Ctrl
CAMERA AI PLAYER Home+Ctrl
PREVIOUS SMARTCAM TARGET Page Down+Ctrl
TOGGLE FOLLOW SMARTCAM TARGET Page Down
UNSET CUSTOM SMARTCAM TARGET Shift+T

MISCELLANEOUS

TOGGLE FUEL PUMP	Alt+P
TOGGLE MARKER SOUND	Ctrl+3
MINUS	Ctrl+Num -
PLUS	Ctrl+Num +
TOGGLE PUSHBACK	Shift+P
REQUEST FUEL	Shift+F
DISPLAY NAVLOG	N
DISPLAY MAP	V
SIM RATE	R
SKIP RTC	Backspace
TOGGLE DELEGATE CONTROL TO CO-PILOT	Ctrl+Alt+x

INSTRUMENTS AND SYSTEMS

TOGGLE ANTI ICE	H
TOGGLE PITOT HEAT	Shift+H

ELECTRICS

TOGGLE MASTER ALTERNATOR	Alt+A
TOGGLE MASTER BATTERY	Alt+B
TOGGLE MASTER BATTERY & ALTERNATOR	Shift+M

ENGINE INSTRUMENTS

DECREASE COWL FLAP	Shift+Ctrl+C
SELECT ENGINE	E
AUTO START ENGINE	Ctrl+E
ENGINE AUTOSTOP	Shift+Ctrl+E
INCREASE COWL FLAP	Shift+Ctrl+V
MAGNETO	M
MAGNETO BOTH	Shift+Alt+F
MAGNETOS LEFT	Shift+Alt+S
MAGNETOS OFF	Shift+Alt+Q
MAGNETOS RIGHT	Shift+Alt+D
MAGNETO START	Shift+Alt+G
TOGGLE MASTER IGNITION SWITCH	Alt+I

FLIGHT INSTRUMENTS

SELECT AIRSPEED BUG	Shift+Ctrl+R
SELECT ALTITUDE BUG	Shift+Ctrl+Z
TOGGLE AUTORUDDER	Shift+Ctrl+U
SET ALTIMETER	B
DECREASE HEADING BUG	Ctrl+Delete
INCREASE HEADING BUG	Ctrl+Insert
SELECT HEADING BUG	Shift+Ctrl+H
SET HEADING INDICATOR	D
TOGGLE ALTERNATE STATIC	Alt+S

FUEL

TOGGLE FUEL DUMP	Shift+Ctrl+D
FUEL SELECTOR 1 ALL	Alt+W
FUEL SELECTOR 1 OFF	Ctrl+Alt+W
TOGGLE ALL FUEL VALVES	Alt+V

AUTOPILOT

AUTOPILOT AIRSPEED HOLD	Alt+R
DECREASE AUTOPILOT REFERENCE ALTITUDE	Ctrl+Page Down
INCREASE AUTOPILOT REFERENCE ALTITUDE	Ctrl+Page Up
TOGGLE AUTOPILOT APPROACH HOLD	Ctrl+A
TOGGLE AUTOPILOT ATTITUDE HOLD	Ctrl+T
TOGGLE AUTOPILOT LOCALIZER HOLD	Ctrl+0
TOGGLE AUTOPILOT MACH HOLD	Ctrl+M
TOGGLE AUTOPILOT MASTER	Z
AUTOPILOT N1 HOLD	Ctrl+S
DECREASE AUTOPILOT N1 REFERENCE	Ctrl+End
INCREASE AUTOPILOT N1 REFERENCE	Ctrl+Home
AUTOPILOT NAV1 HOLD	Ctrl+N
DECREASE AUTOPILOT REFERENCE AIRSPEED	Shift+Ctrl+Delete
INCREASE AUTOPILOT REFERENCE AIRSPEED	Shift+Ctrl+Insert
DECREASE AUTOPILOT REFERENCE VS	Ctrl+End
INCREASE AUTOPILOT REFERENCE VS	Ctrl+Home
TOGGLE AUTOPILOT WING LEVELER	Ctrl+V
AUTOPILOT OFF	Shift+Alt+Z
AUTOPILOT ON	Alt+Z
ARM AUTO THROTTLE	Shift+R
AUTO THROTTLE TO GA	Shift+Ctrl+G
TOGGLE AVIONICS MASTER	Page Up
TOGGLE FLIGHT DIRECTOR	Ctrl+f
TOGGLE YAW DAMPER	Ctrl+D

BRAKES

TOGGLE ANTISKID BRAKES	
BRAKES	Num Del
LEFT BRAKE	Num *
RIGHT BRAKE	Num -
TOGGLE PARKING BRAKES	Ctrl+Num Del

FLIGHT CONTROL SURFACES PRIMARY CONTROL SURFACES

AILERON LEFT (ROLL LEFT)	Num 4
AILERON RIGHT (ROLL RIGHT)	Num 6
CENTER AILER RUDDER	Num 5
ELEVATOR DOWN (PITCH DOWN)	Num 2
ELEVATOR UP (PITCH UP)	Num 8
TOGGLE WATER RUDDER	Ctrl+W
RUDDER LEFT (YAW LEFT)	Num 0
RUDDER RIGHT (YAW RIGHT)	Enter

SECONDARY CONTROL SURFACES

DECREASE FLAPS	F6
EXTEND FLAPS	F5
INCREASE FLAPS	F7
RETRACT FLAPS	F8
TOGGLE SPOILERS	Num /

CONTROL TRIMMING SURFACES

AILERON TRIM LEFT	Ctrl+Num 4
AILERON TRIM RIGHT	Ctrl+Num 6
RUDDER TRIM LEFT	Ctrl+Num 0
RUDDER TRIM RIGHT	Ctrl+Enter
ELEVATOR TRIM DOWN (NOSE DOWN)	Num 7
ELEVATOR TRIM UP (NOSE UP)	Num 1

LANDING GEARS

Variable	Assignment
TOGGLE LANDING GEAR	G
GEAR DOWN	Ctrl+G
Toggle Tail wheel Lock	Shift+G

LIGHTS

TOGGLE LIGHTS	L
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EXTERIOR LIGHTS

TOGGLE LANDING LIGHTS	Ctrl+L
LANDING LIGHT DOWN	Shift+Ctrl+Num 2
LANDING LIGHT HOME	Shift+Ctrl+Num 5
LANDING LIGHT LEFT	Shift+Ctrl+Num 4
LANDING LIGHT RIGHT	Shift+Ctrl+Num 6
LANDING LIGHT UP	Shift+Ctrl+Num 8
TOGGLE STROBES	O
TOGGLE BEACON LIGHTS	Alt+H
TOGGLE NAV LIGHTS	Alt+N
TOGGLE TAXI LIGHTS	Alt+J

INTERIOR LIGHTS

TOGGLE FLASHLIGHT	Alt+L
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MENU

TOGGLE ACTIVE PAUSE	Pause
TOGGLE BASIC CONTROL PANEL	Ctrl+C
CLEAR SEARCH	Del
TOGGLE PAUSE	Esc
SELECT 1	Alt+F1
SELECT 2	Alt+F2
SELECT 3	Alt+F3
SELECT 4	Alt+F4
DISPLAY CHECKLIST	Shift+C
NEXT TOOLBAR	.
PREVIOUS TOOLBAR	/
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
RESTART ACTIVITY	Home

POWER MANAGEMENT MIXTURE

DECREASE MIXTURE	Shift+Ctrl+F2
INCREASE MIXTURE (SMALL)	Shift+Ctrl+F3
SET MIXTURE LEAN	Shift+Ctrl+F1
SET MIXTURE RICH	Shift+Ctrl+F4

PROPELLER

DECREASE PROPELLER PITCH	Ctrl+F2
PROPELLER PITCH HI	Ctrl+F4
INCREASE PROPELLER PITCH	Ctrl+F3
PROPELLER PITCH LO	Ctrl+F1

THROTTLE

CUT THROTTLE	F1
DECREASE THROTTLE	F2
FULL THROTTLE	F4
INCREASE THROTTLE	F3

RADIO

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
FREQUENCY SWAP	X
TOGGLE CABIN LIGHTS	Shift

ADF

ADF	Shift+Ctrl+A
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COMMS

COM RADIO	C
SET COM1 STANDBY	Shift+Alt+X
COM1 SWITCH TO STANDBY	Alt+U

DME

DME	F
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NAV

DECREASE NAV1 FREQUENCY (FRACT,CARRY)	Shift+Ctrl+Page Down
INCREASE NAV1 FREQUENCY (FRACT,CARRY)	Shift+Ctrl+Page Up
NAV1 SWAP	Shift+Ctrl+N
NAV RADIO	N

VOR

DECREASE VOR1 OBS	Shift+Ctrl+End
INCREASE VOR1 OBS	Shift+Ctrl+Home
VOR OBS	Shift+V

XPNDR

TRANSPONDER	T
SET TRANSPONDER	Shift+Alt+W