

NOTE: Make sure **Num Lock** is OFF before using Num Pad commands.

SIMULATOR COMMANDS

Pause	P or BREAK
Full Screen Mode	ALT + ENTER
Menus (display/hide)	ALT
ATC Menu (display/hide)	ACCENT or SCROLL LOCK
Kneeboard (display/hide)	SHIFT+F10
Sound (on/off)	Q
Reset Current Flight	CTRL+; (SEMICOLON)
Save Flight	; (SEMICOLON)
Exit Flight Simulator	CTRL+C
Exit Flight Simulator Immediately	CTRL+BREAK
Joystick (on/off)	CTRL+K
Cycle Coordinates/Frame Rate	SHIFT+Z
Select Item 1	1
Select Item 2	2
Select Item 3	3
Select Item 4	4
Select Time Compression	R
Drop Objects	SHIFT+D
Fuel Truck (request)	SHIFT+F
Aircraft Labels (display/hide)	CTRL+SHIFT+L
Flying Tips (display/hide)	CTRL+SHIFT+X
Increase Selection	= (EQUAL SIGN)
Increase Selection Slightly	SHIFT+= (EQUAL SIGN)
Decrease Selection Slightly	SHIFT+- (MINUS SIGN)
Decrease Selection	- (MINUS SIGN)
Capture Screenshot	V
Jetway (attach/detach)	CTRL+J
End Flight	ESC

CONTROL SURFACE COMMANDS

Ailerons (bank left)	Num Pad 4
Ailerons (bank right)	Num Pad 6
Aileron Trim (left)	CTRL+Num Pad 4
Aileron Trim (right)	CTRL+Num Pad 6
Rudder (yaw left)	Num Pad 0
Rudder (yaw right)	Num Pad ENTER
Rudder Trim (left)	CTRL+ Num Pad 0
Rudder Trim (right)	CTRL+Num Pad ENTER
Center Ailerons and Rudder	Num Pad 5
Pitch Down (elevator)	Num Pad 8
Pitch Up (elevator)	Num Pad 2
Elevator Trim Down	Num Pad 7
Elevator Trim Up	Num Pad 1
Flaps (retract fully)	F5
Flaps (retract incrementally)	F6
Flaps (extend incrementally)	F7
Flaps (extend fully)	F8
Extend/Retract Spoilers/Airbrakes	/ (FORWARD SLASH)
Arm Spoilers	SHIFT+/ (FORWARD SLASH)
Water Rudder Up/Down	CTRL+W

ENGINE COMMANDS

On multiengine aircraft, engine commands affect all engines unless you first select an engine.	
Select Engine	E+engine number (1-4)

Select All Engines	E+1+2+3+4
Engine Autostart	CTRL+E
Throttle (cut)	F1
Reverse Thrust (turboprops/jets)	F2 (press and hold)
Throttle (decrease)	F2 or Num Pad 3
Throttle (increase)	F3 or Num Pad 9
Throttle (full)	F4
Propeller (low RPM)	CTRL+F1
Propeller (decrease RPM)	CTRL+F2
Propeller (increase RPM)	CTRL+F3
Propeller (high RPM)	CTRL+F4
Mixture (idle cutoff)	CTRL+SHIFT+F1
Mixture (lean quickly)	CTRL+SHIFT+F2
Mixture (enrich)	CTRL+SHIFT+F3
Mixture (full rich)	CTRL+SHIFT+F4
Carb Heat/Engine Anti-ice ((on/off))	H
Magnetos (select)	M
Master Battery/Alternator (select)	SHIFT+M
Jet Starter (select)	J
Helicopter Rotor Clutch ((on/off))	SHIFT+. (PERIOD)
Helicopter Rotor Governor ((on/off))	SHIFT+, (COMMA)
Helicopter Rotor Brake ((on/off))	SHIFT+B
Increase Selection	= (EQUAL SIGN)
Increase Selection Slightly	SHIFT+= (EQUAL SIGN)
Decrease Selection Slightly	SHIFT+- (MINUS SIGN)
Decrease Selection	- (MINUS SIGN)

GENERAL AIRCRAFT COMMANDS

Brake (set parking)	CTRL+. (PERIOD)
Pushback (start/stop)	SHIFT+P (then press 1 or 2 to turn tail right/left)
Brakes (apply/release)	. (PERIOD)
Brakes (apply left brake)	Num Pad + (PLUS)
Brakes (apply right brake)	Num Pad - (MINUS)
Landing Gear (extend/retract)	G
Tail wheel (lock/unlock)	SHIFT+G
Landing Gear (extend manually)	CTRL+G
Fuel Dump (on/off)	CTRL+SHIFT+D
Subpanels (display/hide)	SHIFT + 1 through 9
Smoke System ((on/off))	I
Cowl Flaps (open incrementally)	CTRL+SHIFT+V
Cowl Flaps (close incrementally)	CTRL+SHIFT+C
Tow Plane (call)	CTRL+SHIFT+Y
Tow Rope (release)	SHIFT+Y
Doors (select)	SHIFT+E

LIGHT COMMANDS

Lights - all (on/off)	L
Strobe Lights (on/off)	O
Panel Lights (on/off)	SHIFT+L
Landing Lights (on/off)	CTRL+L
Landing Light (tilt down)	CTRL+SHIFT+Num Pad 2
Landing Light (tilt left)	CTRL+SHIFT+Num Pad 4
Landing Light (tilt right)	CTRL+SHIFT+Num Pad 6
Landing Light (tilt up)	CTRL+SHIFT+Num Pad 8
Landing Light (center)	CTRL+SHIFT+Num Pad 5

RADIO COMMANDS

ATC Window (display/hide)	ACCENT or SCROLL
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	LOCK
VOR 1 Ident (on/off)	CTRL+1
VOR 2 Ident (on/off)	CTRL+2
MKR Ident (on/off)	CTRL+3
DME Ident (on/off)	CTRL+4
ADF Ident (on/off)	CTRL+5
Standby Frequency (swap)	X
COM Radio (select)	C
NAV Radio (select)	N
OBS indicator (select)	SHIFT+V
ADF (select)	CTRL+SHIFT+A
DME (select)	F
Transponder (select)	T
Increase Selection	= (EQUAL SIGN)
Increase Selection Slightly	SHIFT+= (EQUAL SIGN)
Decrease Selection Slightly	SHIFT+- (MINUS SIGN)
Decrease Selection	- (MINUS SIGN)

AUTOPILOT COMMANDS

Master (on/off)	Z
Flight Director (on/off)	CTRL+F
Wing Leveler (on/off)	CTRL+V
Yaw Damper (on/off)	CTRL+D
Altitude Hold (on/off)	CTRL+ Z
Altitude Bug (select)	CTRL+SHIFT+Z
Heading Hold (on/off)	CTRL+H
Heading Bug (select)	CTRL+SHIFT+H
Airspeed Hold (on/off)	CTRL+R
Mach Hold (on/off)	CTRL+M
Autothrottle (arm)	SHIFT+R
Autothrottle engage (TOGA)	CTRL+SHIFT+G
Nav 1 Hold (on/off)	CTRL+N
Approach Mode (on/off)	CTRL+A
Back Course Mode (on/off)	CTRL+B
Localizer Hold (on/off)	CTRL+O
Attitude Hold (on/off)	CTRL+T
Increase Selection	= (EQUAL SIGN)
Increase Selection Slightly	SHIFT+= (EQUAL SIGN)
Decrease Selection Slightly	SHIFT+- (MINUS SIGN)
Decrease Selection	- (MINUS SIGN)

INSTRUMENT COMMANDS

Heading Indicator (reset)	D
Altimeter (reset)	B
Pitot Heat (on/off)	SHIFT+H
Increase Selection	= (EQUAL SIGN)
Increase Selection Slightly	SHIFT+= (EQUAL SIGN)
Decrease Selection Slightly	SHIFT+- (MINUS SIGN)
Decrease Selection	- (MINUS SIGN)

VIEW COMMANDS

2-D Cockpit (cycle panels)	W
Snap to Panel View	SHIFT+Num Pad 0
View (next category)	S
View (previous category)	SHIFT+S
View (next view in category)	A
View (previous view in category)	SHIFT+A
View (previous view toggle)	CTRL+S
View (default zoom)	BACKSPACE

Look (snap)	Num Pad
Look (pan)	Hat switch or thumbstick
Look (reset to forward view)	SHIFT+Num Pad DEL
Look Using Mouse (on)	Hold SPACEBAR
Look Using Mouse (on/off)	SHIFT+O
View (open new window)	[(LEFT BRACKET)
View (close selected window)] (RIGHT BRACKET)
View (open new top-down window)	SHIFT+] (RIGHT BRACKET)
Virtual Cockpit	F9
2-D Cockpit	F10
Locked Spot View	F11
Top-Down View	F12
2-D Panel Transparency	CTRL+SHIFT+T (+ or -)
Window (bring selected to front)	' (APOSTROPHE)
Zoom In	= (EQUAL SIGN)
Zoom Out	- (HYPHEN)
View (next window)	CTRL+TAB
View (previous window)	CTRL+SHIFT+TAB
Eyepoint (move back)	CTRL+ENTER
Eyepoint (move down)	SHIFT+BACKSPACE
Eyepoint (move forward)	CTRL+BACKSPACE
Eyepoint (move left)	CTRL+SHIFT+BACKSPACE
Eyepoint (move right)	CTRL+SHIFT+ENTER
Eyepoint (move up)	SHIFT+ENTER
Eyepoint (reset)	CTRL+SPACE

SLEW COMMANDS

Slew to rapidly reposition your aircraft without flying in real time.	
Slew Mode (on/off)	Y
Heading North/Attitude Level	CTRL+SPACEBAR
Freeze All Movement	Num Pad 5
Slew Forward	Num Pad 8
Slew Backward	Num Pad 2
Slew Left	Num Pad 4
Slew Right	Num Pad 6
Slew Up Slowly	Q or F3
Slew Up Quickly	F4
Slew Down Slowly	A
Slew Down Quickly	F1
Freeze Vertical Movement	F2
Rotate Left	Num Pad 1
Rotate Right	Num Pad 3
Pitch Nose Up	9
Pitch Nose Up Quickly	F5
Pitch Nose Down	F7 or 0
Pitch Nose Down Quickly	F8
Freeze Pitch	F6
Bank Left	Num Pad 7
Bank Right	Num Pad 9

MISSION COMMANDS

Compass/Pointer (on/off)	U
Compass Objective (next)	K
Compass Objective (previous)	SHIFT+K

MULTIPLAYER COMMANDS

Chat Window (display/hide)	CTRL+SHIFT+]]
Chat Window (make active)	ENTER
Voice (start transmit)	CAPS LOCK

Voice (stop transmit)	^CAPS LOCK
Voice (start transmit to all)	SHIFT+CAPS LOCK
Voice (stop transmit to all)	^SHIFT+CAPS LOCK
Transfer/Accept Control	SHIFT+T
Follow Other Player	CTRL+SHIFT+F

To add or customize keyboard commands, on the **Options** menu, point to **Controls**, then click **Buttons/Keys**. To learn more, see the **Using the Keyboard** article in the **Learning Center**