

Primary Flight Controls

Control surfaces

Rudder	Insert, Delete
Wheel Brakes	[], []
Increase Keyboard Sensitivity	[K]
Decrease Keyboard Sensitivity	Shift [K]

Elevator Trimming

Aft trim	[L]
Forward trim	[O]
Trim to neutral	Shift [L]

Throttle

All the keys that control the throttle are disabled when an analogue throttle is connected.

The number keys give throttle control from 10-100%.

Increase Throttle by 1%	[=]
Decrease Throttle by 1%	[−]

After landing and taxiing to the holding area, go to 10% throttle and apply the brakes. There is no need to go to 0% throttle.

Power/Cruise toggle (Mustang)	Shift [O]
Engine Restart	[E]

Others

Speed or Air Brakes	[B]
Flaps	[F]
Eject or bailout	Ctrl [E]
Dump external fuel	Ctrl [F]
Raise or lower landing gear	[G]
Left wheel brake	[.]
Right wheel brake	[,]

Weapons

Fire	Spacebar
Dump stores	Ctrl [W]
Previous weapon	[L]
Next weapon	[J]
Cycle through weapons	[N]

Cheat keys

Reload cheat	Ctrl [R]
Spin recovery cheat	Shift [S]
Lift by 1000ft	[U]
To see MIGs	Ctrl [M]

Game Controls

Screenshot	Print Screen, Ctrl [P]
Exit key	Alt [X]
Info panel toggle (2 types of information)	[I]

Pause	[P]
Accelerated time (stay in 3D)	[↵]
Faster accelerated time (move to map)	Shift [↵]
Detail level change	Ctrl [D], Shift [D]
Preferences menu	F12
Map	[M]
Box padlocked item	[D]
Gunsight (see cockpit section)	[Q], [W], [T], [Y]
Gun camera toggle	[V]
Gun camera reset	[X]
Any Bandits?	[A]
Break	[Z]
Clear?/Clear	[C]

Viewees

Padlock next nearest enemy	F1
Padlock next nearest friendly	F2
Padlock next nearest ground target	F3
Padlock next waypoint	F4
Padlock subject of message	F5
Turn off padlock	Esc
Padlock previous nearest enemy	Shift F1
Padlock previous nearest friendly	Shift F2
Padlock previous nearest ground target	Shift F3
Padlock previous waypoint	Shift F4
Reset to nearest enemy view	Ctrl F1

Reset to nearest friendly view	Ctrl F2
Reset to nearest ground target view	Ctrl F3
Reset to next waypoint view	Ctrl F4
A.I. enemy view	Alt F1
Escortee view	Alt F2

Views

Outside view	F6
Inside view	F7
Invisible cockpit	F8
Fly by/chase toggle	F9
Satellite view toggle	F10
Impact toggle	F11
Padlock on/off toggle	Enter
Inside/outside view toggle	[↵]
Fixed/Floating outside view	Shift F6

Rotate and Zoom View Keys

Toggle Fixed/Panning mode	Num Lock
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Panning Mode

Rotate down	Number pad [2]
Rotate up	Number pad [8]
Rotate right	Number pad [6]
Rotate left	Number pad [4]
Rotate down & left	Number pad [1]

Rotate down & right	Number pad [3]
Rotate up & left	Number pad [7]
Rotate up & right	Number pad [9]

Fixed Mode

Back	Number pad [2]
Forward	Number pad [8]
Right	Number pad [6]
Left	Number pad [4]
Back & left	Number pad [1]
Back & right	Number pad [3]
Forward & left	Number pad [7]
Forward & right	Number pad [9]
Move one view to the left	Number pad [7]
Move one view to the right	Number pad [*]
Rotate and Zoom reset	Number pad [5]
Zoom in	Number pad [+]
Zoom out	Number pad [−]
Field of View zoom in	Ctrl and number pad [+]
Field of View zoom out	Ctrl and number pad [−]

Sticky Keys

Forward & left	Insert
Forward	Home
Forward & right	[↑]
Back & left	Delete
Back	End
Back & right	Num Lock

Miscellaneous

Heads up instruments toggle	[H]
See Virtual Instruments in Cockpit section.	
Stop death sequence (multi-player)	[S]
Take over aircraft (multi-player)	[J]

Radio Communications

Radio messages menu	[R]
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There are also short cut keys to the secondary menus:

Group Info	Shift [1]
Precombat	Shift [2]
Combat	Shift [3]
Postcombat	Shift [4]
Tower	Shift [5]
FAC	Shift [6]
Toggle radio msg text	Shift [M]
Toggle player's voice	Ctrl [V]



Keyguide

View Keys

Turn off
Padlock

ESC

Enemy Views

Next
Previous
Reset
Alt

F1

Friendly Views

Next
Previous
Reset
Escortee

F2

Ground Targets

Next
Previous
Reset

F3

Waypoint Views

Next
Previous
Reset

F4

View of Subject
of Current Msg

F5

Outside View
Fixed/Floating
Outside View
F6

Inside View
F7

Invisible cockpit
F8

Fly by/Chase
Toggle
F9

Satellite
View Toggle
F10

Impact Toggle
F11

Preferences
(Configuration)
F12

Screenshot

Print Screen

Look up toggle
for Sticky keys

Scroll

Screen Print

Pause

Throttle - Messages, Look, Pan

10% Throttle
Group Info
Back Left
Down/Left
1

20% Throttle
Precombat
Back
Down
2

30% Throttle
Combat
Back Right
Down/Right
3

40% Throttle
Post Combat
Left
Left
4

50% Throttle
Tower
Straight Up
Reset view
5

60% Throttle
FAC
Right
Right
6

70% Throttle
Forward Left
Up/Left
7

80% Throttle
Forward
Up
8

90% Throttle
Forward Right
Up/Right
9

100% Throttle
Power/Cruise
setting for
Mustang
0

Decrease
Throttle by 1%
-

Increase
Throttle by 1%
=

Inside/Outside
View Toggle
←

Accelerated Time Toggle
Faster Accelerated Time
(move to map)
Tab

Wingspan Up
(gun sight)
Q

Wingspan Down
(gun sight)
Dump
Stores
W

Engine Restart
Eject or Bailout
E

Radio Messages
Menu
Reload
Cheat
R

Reduce Range
(gun sight)
T

Increase Range
(gun sight)
Y

Lift by 1000ft
Cheat
U

Info Panel
Toggle
I

Forward
Elevator Trim
O

Pause
Screenshot
P

Previous
Weapon
[

Next
Weapon
J

Padlock Toggle

Caps Lock

Any Bandits?
A

Stop Death seq.
(Multi-player)
Spin Recovery
Cheat
S

Box Padlocked
item
Dec. 3D Detail
Inc. 3D
Detail
D

Flaps Toggle
Dump
External Fuel
F

Raise or lower
Landing Gear
G

Head Up
Instruments
Toggle
H

Take over
aircraft
(Multi-player)
J

Inc. Key
Sensitivity
Dec. Key
Sensitivity
K

Aft Elevator
Trim
Trim to neutral
L

;

'

Enter

Shift

Break
Z

Reset Gun
Camera
Exit Game
X

Clear?/
Clear
C

Gun Camera
Toggle
Toggle player's
voice
V

Speed or
Air Brakes
B

Cycle Through
Weapons
N

Map
Toggle radio
msg text
Toggle See MiGs
on 3D map
M

Left Wheel
Brake
,

Right Wheel
Brake
.

?

/

Shift

Ctrl

Alt

Fire

Alt

Ctrl

Sticky Keys

Sticky Look
Forward/Left

Insert

Sticky Look
Forward

Home

Sticky Look
Forward/Right

Page Up

Sticky Look
Back/Left

Delete

Sticky Look
Back

End

Sticky Look
Back/Right

Page Down

Elevator
Forward
↑

Aileron Left
←

Elevator Back
↓

Aileron Right
→

Aileron / Elevator

Panning or Fixed Views

Panning/
Fixed View
Toggle

Num Lock

This key functions
for Internal Views
only
Move view
to left
/
7

This key functions
for Internal Views
only
Move view
to right
*
8

Zoom Out
Zoom Out Fast
FOV : Zoom
Out
-

Rotate Up / Left
Fast
Forward / Left
7

Rotate Up
Fast
Forward
8

Rotate Up / Right
Fast
Forward/
Right
9

Zoom In
Zoom In Fast
FOV : Zoom
In
+

Rotate Left
Fast
Left
4

Reset to Forward
Fast
Rotate &
Zoom Reset
5

Rotate Right
Fast
Right
6

Rotate Down / Left
Fast
Back / Left
1

Rotate Down
Fast
Back
2

Rotate Down / Right
Fast
Back / Right
3

Rudder Left
0
Ins

Rudder Right
Del
Enter

Joystick Buttons

1. Fire

2. Reset View

3. Padlock Toggle

4. Inside/Outside View Toggle

5. Forward Elevator Trim

6. Increase Range (gun sight)

7. Aft Elevator Trim

8. Reduce Range (gun sight)

9. Speed Brake*

10. Reset Elevator Trim*

1 Trigger button behind here

A detailed line drawing of a joystick. Numbered callouts point to the following features: 1. Trigger button (behind the joystick). 2. Left trigger button. 3. Right trigger button. 4. Left joystick button. 5. Right joystick button. 6. Top button. 7. Bottom button. 8. Left joystick button. 9. Right joystick button. 10. Top button.

* Due to some joysticks not supporting ten buttons, functions not covered by the joystick can be controlled via the keyboard.