



Views

Turn off Padlock ESC	Enemy Next Previous Nearest A.I. F1	Friendly Next Previous Nearest F2	Ground Targets Next Previous Nearest F3	Waypoint Next Previous F4	View of Subject of Current Msg F5	Outside View Fixed/Floating Outside View F6	Inside View F7	Remove Cockpit F8	Fly by/Chase Toggle F9	Satellite View Toggle F10	Impact Toggle F11	Options F12
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Screenshot Print Screen	Look up toggle for Sticky keys Scroll	Screen Print Pause
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0% Throttle FULL Throttle

Group Info 1	Precombat 2	Combat 3	Post Combat 4	Tower 5	Ground Attack 6			Max Prop Pitch 9	Min Prop Pitch 0	-1%	+1%	Inside/Outside View Toggle	
Accelerated Time Toggle Faster Accelerated Time (move to map) Tab	Lean Left Q	Lean Right W	Cycle Engines (Me 110) Eject or Bailout E	Radio Messages Menu Reload Cheat R	Aircraft Text On/Off T		Lift by 1000ft U	Info Panel Toggle I	Open Canopy O	Pause Screenshot P	Previous Weapon [Next Weapon]	Padlock Toggle
	Break A	Spin Recovery Cheat S	Dive Breaks (Ju87) D	Flaps Up Fuel Selector F	Landing Gear Emergency Release G	Head Up Instruments Toggle H			Bomb view (Ju87) L				Enter
Shift	Any Bandits? Z	Exit Game X	Clear? C	Flaps down Toggle player's voice V	Release Bomb B	Cycle weapon Config N	Map Toggle radio msg text Toggle hostiles on 3D map M	Left Wheel Brake <	Right Wheel Brake >			Shift	
Ctrl	Alt	Fire										Alt	Ctrl

View Direction / Trim

Look NW Aileron Trim Down Insert	Look N Elevator trim down Home	Look NE Aileron Trim Up Page Up
Look SW Rudder Trim Left Delete	Look S Reset All Trims Elevator Trim Up End	Look SE Rudder Trim Right Page Down

Panning or Fixed Views

Panning/Fixed View Toggle Num Lock	This key functions for Internal Views only Move view to left Move view to right *	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
Rotate Left Fast Left 4	Reset to Forward 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		Rudder Right Del
		Enter

Gunner Position Views (He111 / Ju88 / Do17)

			Zoom Out Zoom Out Fast FOV : Zoom Out (External View) _
Rotate Up / Left Fast 7	Nose Gunner Fast 8	Rotate Up / Right Fast 9	Zoom In Zoom In Fast FOV : Zoom In (External view) _
Rotate Left Fast 4	Dorsal Gunner Rotate & Zoom Reset 5	Rotate Right Fast 6	
Rotate Down / Left Fast 1	Ventral Gunner Fast 2	Rotate Down / Right Fast 3	
			Enter

Flight Controls

(use if no joystick is present)

	Elevator Forward ↑	
Aileron Left ←	Elevator Back ↓	Aileron Right →

FLIGHT CONTROLS

Rudder Left: Number pad [9]	Right Wheel brake: [2]
Rudder Right: Number pad [5]	Increase Keyboard Sensitivity: [4]
Left Wheel Brake: [6]	Decrease Keyboard Sensitivity: [3]

TRIM

Elevator Trim Up: [Ctrl]+[Up]	Rudder Trim Right: [Ctrl]+[Right]
Elevator Trim Down: [Ctrl]+[Down]	Reset All trims: [Alt]+[R]
Rudder Trim Left: [Ctrl]+[Left]	

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%.	(-) or (0) (key under escape) goes to Zero % throttle. Which is required if you want to stop without using the wheel brakes constantly
Increase Throttle by 10% [1] to [9]	
Increase Throttle by 1% [0]	
Decrease Throttle by 1%: [8]	

OTHER

Flaps Up: [F]	Dive Breaks (Ju87) [D]
Flaps Down: [V]	Prop Pitch Up [Shift]+[Up]
Ballout: [Ctrl]+[B]	Prop Pitch Down [Shift]+[Down]
Landing Gear Up/ Down: [G]	Max Prop Pitch: [Shift]+[F]
Emergency gear down [Ctrl]+[G]	Min Prop Pitch: [Shift]+[D]
Open Canopy: [C]	Cycle Engines (Me110) [E]
Lean Left: [L]	Fuel gauge Selector switch: [Shift]+[F]
Lean Right: [R]	

WEAPONS

Fire: [Spacebar]	Next weapon: [J]
Dump Ordnance: [Ctrl]+[W]	Previous weapon: [I]
	Cycle Weapon Config: [U]

CHEAT KEYS

Reload cheat: [Ctrl]+[R]	Spin recovery cheat: [Shift]+[I]
	Lift by 1000ft: [U]

GAME CONTROLS

Screenshot: [F5]	Faster accelerated time (move to map): [Shift]+[Tab]
Screenshot: [Ctrl]+[F]	Increase Detail Level: [Shift]+[D]
Exit/quit: [Alt]+[F]	Decrease Detail level: [Ctrl]+[D]
Info panel toggle (2 types of information): [I]	Options: [O]
Pause: [P]	Map: [M]
Accelerated time (stay in 3D): [Tab]	Aircraft Text On/Off: [T]

RADIO

Stick to me [Z]	Check Six [C]
Break [A]	

VIEWEES

Padlock next enemy [F1]	Padlock subject of message [F6]
Padlock next friendly [F2]	Turn off padlock [F7]
Padlock next ground target [F3]	Padlock previous enemy [Shift]+[F1]
Padlock next waypoint [F4]	Padlock previous friendly [Shift]+[F2]
Padlock nearest enemy [Ctrl]+[F1]	Padlock previous ground target [Shift]+[F3]
Padlock nearest friendly [Ctrl]+[F2]	Padlock previous waypoint [Shift]+[F4]
Padlock nearest ground target [Ctrl]+[F3]	A.I. enemy view [Alt]+[F1]

VIEWS

Outside view: [F8]	Impact toggle: [F9]
Inside view: [F7]	Padlock on/off toggle: [F5]
Remove cockpit: [F6]	Inside/outside view toggle: [F4]
Fly by/chase toggle: [F5]	Fixed/Floating outside view: [Shift]+[F6]
Satellite view toggle: [F8]	Stuka bomb window view [F1]

ROTATE AND ZOOM KEYS

Toggle Fixed/Panning mode: [F]

PANNING MODE (EXTERNAL ONLY)

Rotate down Number pad [2]	Rotate down & left Number pad [1]
Rotate up Number pad [8]	Rotate down & right Number pad [3]
Rotate right Number pad [4]	Rotate up & left Number pad [7]
Rotate left Number pad [6]	Rotate up & right Number pad [9]

FIXED MODE

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

OTHER

Sticky Keys mode Toggle [F10]	Back & right Number pad [3]
Forward & left Number pad [7]	Forward [F10]
Forward Number pad [8]	Backward [F10]
Forward & right Number pad [9]	Back & Left [Shift]+[Left]
Left Number pad [4]	Back & Right [Shift]+[Right]
Right Number pad [6]	Front & Left [Insert]
Back & left Number pad [1]	Front & Right [F10]
Back Number pad [2]	

MISC

Heads up instruments toggle [H]

GUNNER POSITIONS

Dorsal Gunner: Numpad [5]	Nose Gunner: Numpad [2]
Ventral Gunner: Numpad [3]	

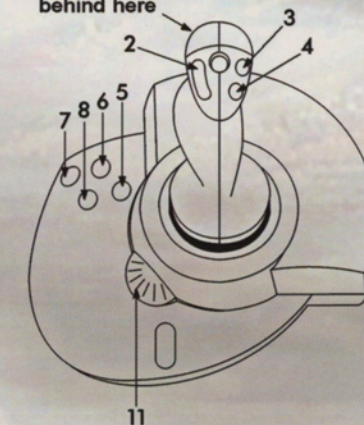
RADIO

Radio messages menu [R]

There are also short cut keys to the secondary menus:

Group Info [Shift]+[I]	Tower [Shift]+[3]
Precombat [Shift]+[P]	Bombing [Shift]+[B]
Combat [Shift]+[C]	Toggle radio msg text [Shift]+[M]
Postcombat [Shift]+[A]	Toggle player's voice [Shift]+[V]

1. Trigger button behind here



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*
11. Throttle

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