

View Keys																
Turn off Padlock ESC	Enemy Views		Friendly Views		Ground Targets		Waypoint Views		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	Preferences (Configuration) F12
	Next		Next		Next		Next									
	Previous		Previous		Previous		Previous									
	Nearest		Nearest		Nearest											
	A.I.	F1		F2		F3		F4								

Throttle - Messages, Look, Pan																			
0% Throttle ~ Down/Left 1	10% Throttle Group Info Back Left Down 2	20% Throttle Precombat Back Down 3	30% Throttle Combat Back Right Down/Right 4	40% Throttle Post Combat Left Left 5	50% Throttle Tower Straight Up Reset view 6	60% Throttle Ground Attack Right Right 7	70% Throttle Forward Left Up/Left 8	80% Throttle Forward Up 9	90% Throttle Max Prop Pitch Forward Right Up/Right 0	100% Throttle Min Prop Pitch Forward Right Up/Right 0	Decrease Throttle by 1% Prop pitch up -	Increase Throttle by 1% Prop pitch down =	Inside/Outside View Toggle ↵						
Accelerated Time Toggle Faster Accelerated Time (move to map) Tab	Lean Left (Internal view only) Q	Lean Right (Internal view only) W	Cycle Engines (Me 110) Eject or Bailout E	Radio Messages Menu Reload Cheat R	Aircraft Text On/Off T	Toggle Joystick Mode Y	Lift by 1000ft Cheat U	Info Panel Toggle I	Open Cockpit (Eject Canopy Me109&110) O	Pause Screenshot P	Previous Weapon [	Next Weapon]	Padlock Toggle Enter						
Caps Lock	Break A	Stop Death seq. (Multi-player) Spin Recovery Cheat S	Dive Breaks (Ju87) Inc Detail Level Dec Detail Level D	Flaps Up F	Raise or lower Landing Gear Emergency Release G	Head Up Instruments Toggle H	Take over aircraft (Multi-player) J	Inc. Key Sensitivity Dec. Key Sensitivity K	Bomb view (Ju87) L									Enter	
Any Bandits? Z		Clear? Exit Game X	Flaps down Toggle player's voice V		Release Bomb (Ju87 & Me110) 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						

Screenshot Print Screen	Look up toggle for Sticky keys Scroll	Screen Print Pause
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Sticky Keys		
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

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

Panning or Fixed Views								
Panning/ Fixed View Toggle Num Lock	This key functions for Internal Views only Move view to left /	This key functions for Internal Views only 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	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	Rudder Right Ins							Enter

Gunner Position Views (He111/Ju88/Do17 only)								
Num Lock	/	*	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	
		Ins	Del					Enter

Joystick Buttons

- Fire
- Reset View
- Padlock Toggle
- Inside/Outside View Toggle
- Forward Elevator Trim
- Increase Range (gun sight)
- Aft Elevator Trim
- Reduce Range (gun sight)
- Speed Brake*
- Reset Elevator Trim*
- Throttle

1. Trigger button behind here

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

PRIMARY FLIGHT CONTROLS

Rudder Left:	Number pad [0]	Right Wheel brake:	[>]
Rudder Right:	Number pad [Delete]	Increase Keyboard Sensitivity:	[K]
Left Wheel Brake:	[<]	Decrease Keyboard Sensitivity:	[Shift] + [K]

TRIM CONTROLS

Elevator Trim Up:	[Ctrl] + [End]	Rudder Trim Right:	[Ctrl] + [→]
Elevator Trim Down:	[Ctrl] + [Home]	Reset All trims:	[Alt] + [End]
Rudder Trim Left:	[Ctrl] + [Delete]		

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 (') (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 [0]
Increase Throttle by 1%:	[+]
Decrease Throttle by 1%:	[-]

OTHERS

Flaps Up:	[F]	Dive Breaks (Ju87)	[D]
Flaps Down:	[V]	Prop Pitch Up	[Shift] + [+]
Bailout:	[Ctrl] + [E]	Prop Pitch Down	[Shift] + [-]
Landing Gear Up/ Down:	[G]	Max Prop Pitch:	[Shift] + [9]
Emergency gear down	[Ctrl] + [G]	Min Prop Pitch:	[Shift] + [0]
Open Canopy:	[O]	Cycle Engines (Me110)	[E]
Lean Left:	[Q]	Fuel gauge Selector switch:	[Shift] + [F]
Lean Right:	[W]		

WEAPONS

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

CHEAT KEYS

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

GAME CONTROLS

Screenshot:	[Esc]	Faster accelerated time (move to map):	[Shift] + [Tab]
Screenshot:	[Ctrl] + [P]	Increase Detail Level:	[Shift] + [D]
Exit/quit:	[Alt] + [X]	Decrease Detail level:	[Ctrl] + [D]
Info panel toggle (2 types of information):	[I]	Preferences menu:	[F12]
Pause:	[P]	Map:	[M]
Accelerated time (stay in 3D):	[Tab]	Aircraft Text On/Off:	[T]

RADIO QUICK KEYS

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

VIEWEES

Padlock next enemy	[F1]	Padlock subject of message	[F5]
Padlock next friendly	[F2]	Turn off padlock	[Esc]
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:	[F6]	Impact toggle:	[F11]
Inside view:	[F7]	Padlock on/off toggle:	[Enter]
Remove cockpit:	[F8]	Inside/outside view toggle:	[←]
Fly by/chase toggle:	[F9]	Fixed/Floating outside view:	[Shift] + [F6]
Satellite view toggle:	[F10]	Stuka bomb window view	[L]

ROTATE AND ZOOMVIEW KEYS

Toggle Fixed/Panning mode:	[F10]
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PANNING MODE (EXTERNAL VIEW)

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

STICKY KEYS

Sticky Keys mode Toggle	[Esc]	Back & right	Number pad [3]
Forward & left	Number pad [7]	Forward	[Home]
Forward	Number pad [8]	Backward	[End]
Forward & right	Number pad [9]	Back & Left	[Delete]
Left	Number pad [4]	Back & Right	[Esc]
Right	Number pad [6]	Front & Left	[Insert]
Back & left	Number pad [1]	Front & Right	[Ctrl]
Back	Number pad [2]		

MISCELLANEOUS

Heads up instruments toggle	[H]	Take over aircraft (multi-player)	[J]
Stop death sequence (multi-player)	[S]		

GUNNER POSITIONS

Dorsal Gunner:	Numpad [5]	Nose Gunner:	Numpad [8]
Ventral Gunner:	Numpad [2]		

RADIO COMMUNICATIONS

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

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

