

# Keyboard Shortcuts & 3D Joystick Buttons

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## Common Shortcuts

Shortcut	Mode or Condition	Function
Ctrl + O		Load file
Ctrl + S		Save file
Ctrl + N		New file
Ctrl + « + »		Zoom In (Digital)
Ctrl + « - »		Zoom Out (Digital)
Shift	Model 3DView	Forces mouse drag -> Panning
Ctrl	Model 3DView	Forces mouse drag -> Zoomming
Shift - Q Shift - P	Photo View or Camera View	Current Inclusion Projection

## MBox commands Shortcuts

Shortcut	Mode, Condition	Function
« , » and « . » / <b>comma</b> and <b>dot</b>	Camera view	Change focus step
Ctrl + F	Camera view	Focus on front surface
Ctrl-Q or Ctrl-H	Camera view	Microscope Zoom In (next fixed zoom)
Ctrl-W or Ctrl-K	Camera view	Microscope Zoom Out (next fixed zoom)
Ctrl-E		Max / Min Zoom. First goes to Max zoom. From the Max Zoom goes to Min zoom value
Ctrl-R		Microscope Max Zoom
Ctrl-T		Microscope Min Zoom
Ctrl-I		Microscope Make photo
Ctrl-B		Microscope Blind shot
Ctrl-1	Camera view	Turn on/Cycle 1 group of upper lights (for MBox2Assist.dll since v. 1.2.72.1051)
Ctrl-2	Camera view	Turn on/Cycle 2 groups of upper lights
Ctrl-3	Camera view	Turn on/Cycle 3 groups of upper lights
Ctrl-4	Camera view	Turn on/off all 4 upper lights




## Motorized MBox shortcuts

Main key	Modifier key	Action
W		Continuous move Up
S		Continuous move Down
A		Continuous move Left

D		Continuous move Right
W	Right mouse button	Continuous rotation Ry
S	Right mouse button	Continuous rotation Ry
A	Right mouse button	Continuous rotation Rx
D	Right mouse button	Continuous rotation Rx
Left mouse button + drag	Ctrl	offset X-Y
Middle mouse button (scroller) + drag Up/Down, cursor over model		rotate Ry
Middle mouse button (scroller) + drag Left/Right, cursor over model		rotate Rx

### 3D Connexion Joystick

These are the current default mappings, which can be changed according to personal preferences by editing 3DConnexion.xml file

Button	Shortcut
	buttons from <b>1</b> to <b>4</b> are equal to <b>Ctrl-1</b> - <b>Ctrl-4</b> , Turn on/Cycle 1-4 light groups accordingly (for MBox2Assist.dll since v. 1.2.72.1051)
	<b>-/+</b> buttons switching between zoom presets ( <b>Ctrl-W</b> / <b>Ctrl-Q</b> )
	<b>F</b> button focuses on surface ( <b>Ctrl-F</b> )