



BLENDER 2.9x

SHORTCUT PDF

Blender 2.9 Hot Key Guide

Cheat Sheet

Blender is a vast multi-purpose program designed to do some very complex things.

Luckily for us the creators simplified the interface and squeezed most commands into shortcut key and mouse button combinations.

Granted there is a steep learning curve but once mastered you'll wonder what all the fuss was about.

The secret to mastering (at least the most common ones) is to practice! Start a project for yourself and start Blending!

Here are some useful settings I like to change but feel free to use the defaults.

Go to Edit – Preferences – Navigation:

Put a check mark in "**Zoom to mouse position**"

This lets you zoom to the position of the cursor on screen in the 3D view.

Put a check mark in "**Orbit around selection**"

This lets you rotate around the selected object in the 3D view

In the bottom left corner click the three line icon and ensure "**Auto-save preferences**" is checked. This will save any changes you make.

Essentials

It is recommended, and to get full interface integration use a **three button mouse**, preferably with a **scroll wheel** as the centre button.

Blender will work most efficiently for you with one hand on your **three button mouse** and the other on a keyboard.

Below are some of the most commonly used short cut key combinations.

Abbreviations

LLB (Left Mouse Button)

MMB (Middle Mouse Button)

RMB (Right Mouse Button).

In most instances select with LMB and cancel with RMB.

Usually when you buy a new high tech product you unpack it, then straight away open the user manual and read it as you try out all the buttons! Yeah more like “what? there’s a manual?”. The best way I found to learn new keys in Blender has been to try out every combination listed below. Just open up Blender and start working through them a couple of times, you’ll be amazed at what you discover.

These are the shortcut keys I use regularly and are by no means a complete list and I'm sure there are some great ones I have yet to discover.

Middle Mouse Button (MMB) Combinations

MMB + Hold + Drag – Rotates the 3D View — Drag the Editors Up/Down/Left/right

MMB Roll – Zooms in and Out in the 3D View — Rolls menus Up/Down

MMB + Shift — Pan

MMB + CTRL + Drag — Zooms

MMB + Alt + Left click and Drag in one direction — Switch Views

Left Mouse Button (LMB) Combinations

LMB Click — Selects and Confirms Actions

LMB Click + Drag — Box Selects (When Select Box is the Selection Type)

Right Mouse Button (RMB) Combinations

RMB + Shift — Place 3D Cursor

RMB + CTRL — Lasso Select

RMB — With an Object Selected Bring up an Object Context Menu

RMB — Cancels an Operation

<u>Keys</u>	<u>Descriptio</u> <u>n</u>	<u>Mode</u>
Ctrl + Tab	Mode Menu	All
Tab	Switch Mode	Object/Edit
Home	Centre 3D View	All
Delete	Delete An Object	All
Spacebar	Play Animation	All
Full Stop	Pivot Menu	All
Numpad /	Local/Global View	All
'	View Pie Menu	All
Minus	Zoom Out	All
Ctrl + Minus	Decrease Selection	Edit
Plus	Zoom In	All
Ctrl + Plus	Increase Selection	Edit
Shift Hold	Precise Incremental Changes	Object/Edit
Shift + 7	Align to Selected	Edit
Shift + Tab	Snap During	Object/Edit

<u>Keys</u>	<u>Descriptio</u> <u>n</u>	<u>Mode</u>
Transform		
Shift + Spacebar	Tool Shelf Menu	All
Shift + Ctrl + Spacebar	Reverse Play/Pause Animation	All
Ctrl + Spacebar	Full Screen	All
Ctrl + Alt + A	Align Bones	Edit
Ctrl + '	Fly Mode Control Keys (w, s, d,, a)	All
Ctrl + Alt + Spacebar	Full View	All
Ctrl + Alt + Q	Quad View	All
Ctrl + Alt + LMB	Edge Ring Select	Edit
Alt + LMB	Edge Select	Edit
1	Vertex Selection	Edit
2	Edge Selection	Edit
3	Face Selection	Edit

A-Z

A	Select	Object/Edit/Pose
Double Tap A	Select/Deselect All	Object/Edit/Pose
Alt + A	Deselect All	Object/Edit/Pose
Shift + A	Add Menu	Object/Edit/Pose
Ctrl + A	Apply Menu	Object/Pose
B	Box Select	Object/Edit/Pose
Shift + B	Zoom to Selected	All
Ctrl + B	Bevel Edge	Edit
Ctrl + Shift + B	Bevel Vertices	Edit
C	Circle Select/Deselect/Exit LMB/MBB/RMB	Object/Edit
Shift + C	Re-set 3D Cursor	Object/Edit/ Pose/Vertex/ Weight/Texture
Ctrl + C	Copy	All
Shift + D	Duplicate (Unlinked)	Object/Edit

A-Z

Alt + D	Duplicate (Linked)	Object
Alt + D	Rip Vertices and Fill	Edit
D + LMB	Grease Pencil Draw	All
D + RMB	Grease Pencil	All
E	Extrude	Edit
Shift + E	Edge Crease	Edit
Ctrl + E	Edges Menu	Edit
Alt + E	Extrude Menu	Edit
F	Fill	Edit
F	Brush Size	Sculpt/Vertex/ Weight/ Texture/Strokes
Alt + F	Fill Face	Edit
Shift + F	Brush Strength Control Keys (w, s, d,, a) Fall to ground (Tab)	Object/Edit/Pose

A-Z

Shift + F	Brush Strength	Sculpt/Vertex/ Weight/ Texture/Strokes
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Ctrl + F	Faces Menu	Edit
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G	Move	All
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GG	Edge Slide	Edit Mode
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Shift + G	Select Grouped	Object/Pose
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Shift + G	Select Similar	Edit
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Ctrl + G	Create New Collection	Object/Pose
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Ctrl + G	Vertex Groups	Edit
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Ctrl + Alt + G	Remove from Collection	Object
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Alt + G	Clear Translate Transformations	Object/Edit/Pose
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Ctrl + Shift + Alt + G	Remove from all Collections	Object
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Ctrl + Shift + G	Add selected to Active Collection	Object
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H	Hide Selected	Object/Edit/ Sculpt/Pose
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Shift + H	Hide Unselected	Object/Edit/ Sculpt/Pose
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A-Z

Ctrl + H	Hide Collection Menu	Object
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Ctrl + H	Hooks	Edit
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Alt + H	Reveal Hidden	Object/Edit/ Sculpt/Pose
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I	Inset	Edit
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I	Insert Keyframe	Object/Pose
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Ctrl + i	Invert Selection	Object/Edit
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Alt + i	Delete Keyframe	Object/Pose
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Shift + Ctrl + Alt + I	Select new Keying Set Active	Object/Pose
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J	Connect Vertex Path	Edit
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Alt + J	Tris to Quads	Edit
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Ctrl + J	Join	Object
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K	Knife Tool	Edit
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L	Select all Connected	Edit
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Shift + L	Add Pose to Library	Pose
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Shift + L	Select Linked	Object
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A-Z

Ctrl + L	Make Links	Object
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M	Move to Collection	Object/Pose
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Ctrl + M	Mirror/Flip	Edit
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Alt + M	Merge Menu Also Replaces Remove Doubles	Edit
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N	Properties Shelf	All
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Alt + N	Normals Menu	Edit
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Ctrl + N	New File	All
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Shift + N	Recalculate Normals Outside	Edit
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Shift+ Ctrl + N	Recalculate Normals Inside	Object/Edit
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O	Proportional Editing	Object/Edit
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Shift + O	Proportional Falloff	Object/Edit
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Shift + Ctrl + O	Open Recent	All
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Ctrl + O	Open	All
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A-Z

P	Separate	Edit
Ctrl + P	Set Parent to Menu	Object/Pose
Ctrl + P	Make Vertex Parent	Edit
Alt + P	Clear Parent	Object
Alt + P	Propagate Menu	Pose
Q	Quick Favourites Menu	All
Ctrl + Q	Quit Blender	All
R	Rotate	Object/Edit/Pose
RR	Free Rotate	Object/Edit
R + X/Y/Z	Rotate Along Global Axis	Object/Edit
R + X/Y/Z	Rotate Along Local Axis	Object/Edit
Shift + R	Repeat Last Action	Object/Edit/Pose
Ctrl + R	Insert Loop cut	Edit
Ctrl + R	Set Rotation Mode	Pose
Alt + R	Clear Rotation	Object/Pose
S	Scale	Object/Edit/Pose

A-Z

Shift + S	Snap Menu	Object/Edit/Pose
Ctrl + S	Save	All
Alt + S	Clear Scale Transforms	Object/Pose
Alt + S	Shrink/Flatten	Edit
Shift + Ctrl + S	Save As	All
Ctrl + Shift + Alt + S	Shear	Edit
T	Tool Shelf	All
Ctrl + T	Triangulate Faces	Edit
U	Unwrap	Edit
V	Rip	Edit
Alt + V	Rip Vertices and Fill	Edit
Ctrl+ V	Paste	All
Ctrl + V	Vertex Menu	Edit
Shift + V	Vertex Slide	Edit
W	Toggle Select Menu Tweak/Select box/Circle/Lasso	Object/Edit
Shift + W	Bend	Edit

A-Z

X	Delete Menu	All
Ctrl + X	Dissolve Selected	Edit
Y	Split	Edit
Z	Shading Menu	All
Alt + Z	Toggle X-Ray Mode	All
Ctrl + Z	Undo	All
Ctrl + Shift + Z	Redo	All
Shift + Z	Toggle Wireframe Mode	All
Alt + Shift + Z	Toggle Overlay	All
Shift + Ctrl + Z	Redo	All

Views and Function Keys

Toggle between Perspective/Orthographic with
Numpad 5

Numpad Zero	Camera Perspective/ 3DView	All
Numpad 1	Front View	All
Ctrl + Numpad 1	Back View	All
Numpad 2	Roll Scene	All
Numpad 3	Right View	All
Ctrl + Numpad 3	Left View	All
Numpad 4	Roll Scene	All
Numpad 7	Top View	All
Ctrl + Numpad 7	Bottom View	All
Numpad 8	Roll Scene	All
'	View Menu	All
Ctrl + Alt + Numpad Zero	Align Active Camera to View	All
F2	Name Selected Object	All

Views and Function Keys

F3	Search	All
F4	File Context Menu	All
F12	Render Image	All
Ctrl + F12	Render Animation	All
Shift + F2	Movie Clip Editor	All
Shift + F3	Node Editor	All
Shift + F4	Python Console	All
Shift + F5	3D Viewport	All
Shift + F6	Graph Editor	All
Shift + F7	Properties Editor	All
Shift + F8	Video Sequence Editor	All
Shift + F9	Outliner	All
Shift + F10	UV/Image Editor	All
Shift + F11	Text Editor	All
Shift + F12	Dope Sheet	All