



# BLENDER 3x

SHORTCUT PDF

# **BLENDER 3 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

LMB (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 to help avoid years of confusion!....Yeah more like “what? There 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**

<b><u>Keys</u></b>	<b><u>Description</u></b>	<b><u>Mode</u></b>
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 + Tab	Snap During Transform	Object/Edit

<u>Keys</u>	<u>Description</u>	<u>Mode</u>
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

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## 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/MMB/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

Ctrl + F

Faces Menu

Edit

G

Move

All

GG

Edge Slide

Edit Mode

Shift + G

Select Grouped

Object/Pose

Shift + G

Select Similar

Edit

Ctrl + G

Create New  
Collection

Object/Pose

Ctrl + G

Vertex Groups

Edit

Ctrl + Alt + G

Remove from  
Collection

Object

Alt + G

Clear Translate  
Transformations

Object/Edit/Pose

Ctrl + Shift + Alt  
+G

Remove from all  
Collections

Object

Ctrl + Shift + G

Add selected to  
Active Collection

Object

H

Hide Selected

Object/Edit/  
Sculpt/Pose

Shift + H

Hide Unselected

Object/Edit/  
Sculpt/Pose

## A-Z

Ctrl + H

Hide Collection  
Menu

Object

Ctrl + H

Hooks

Edit

Alt + H

Reveal Hidden

Object/Edit/  
Sculpt/Pose

I

Inset

Edit

I

Insert Keyframe

Object/Pose

Ctrl + i

Invert Selection

Object/Edit

Alt + i

Delete Keyframe

Object/Pose

Shift + Ctrl + Alt +  
I

Select new Keying  
Set Active

Object/Pose

J

Connect Vertex  
Path

Edit

Alt + J

Tris to Quads

Edit

Ctrl + J

Join

Object

K

Knife Tool

Edit

L

Select all  
Connected

Edit

Shift + L

Add Pose to

Pose

## Library

Shift + L

Select Linked

Object

## A-Z

Ctrl + L

Make Links

Object

M

Move to Collection

Object/Pose

Ctrl + M

Mirror/Flip

Edit

Alt + M

Merge Menu  
Also Replaces  
Remove Doubles

Edit

N

Properties Shelf

All

Alt + N

Normals Menu

Edit

Ctrl + N

New File

All

Shift + N

Recalculate  
Normals Outside

Edit

Shift+ Ctrl + N

Recalculate  
Normals Inside

Object/Edit

O

Proportional  
Editing

Object/Edit

Shift + O

Proportional  
Falloff

Object/Edit

Shift + Ctrl + O

Open Recent

All

Ctrl + O

Open

All

## 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

## A-Z

Alt + R

Clear Rotation

Object/Pose

S

Scale

Object/Edit/Pose

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

Object/Edit

## A-Z

Menu  
Tweak/Select  
box/Circle/Lasso

Shift + W

Bend

Edit

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
F3	Search	All

# Views and Function Keys

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