



BLENDER 4x

SHORTCUT PDF

BLENDER SHORTCUT GUIDE

Introduction

Blender is a free and open source 3D computer graphics software. Its a multi-purpose application designed to do some very complex things. These include 3D modelling, sculpting, visual effects, creating animated film, motion graphics, 3D-printed models, the list seems endless. 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 and start Blending!

To help you get a better experience the following are settings I like to change that enhance navigating Blender.

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 allows you rotate around the selected object

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

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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'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.

The following 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.

Platform Specific Keys



The **Cmd** ⌘ key can be used in place of **Ctrl** on MacOS for all but a few exceptions which conflict with the operating system.

To open preferences on a  use **Cmd + Comma**

On a Mac the **Alt** key is also known as the **Option** Key

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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

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TOOLS



Move

G

G

Rotate

R

R

Scale

S

S

Mouse



Select



Select add

Shift +

Shift +

Context Menu



Cancel Operation



Navigation



Rotate



Zoom

Roll +

Roll +

Pan

Shift +

Shift +

Zoom Out

Numpad Minus

Numpad Minus

Fly Mode

Shift + Grave Accent

Shift + Grave Accent

Zoom In

Numpad Plus

Numpad Plus

Orbit Left

Numpad 4

Numpad 4

Orbit Right

Numpad 6

Numpad 6

Orbit Up

Numpad 8

Numpad 8

Orbit Down

Numpad 2

Numpad 2

Orbit Opposite

Numpad 9

Numpad 9

Roll Left

Shift + Numpad 4

Shift + Numpad 4

Roll Right

Shift + Numpad 6

Shift + Numpad 6

Zoom Region

Shift + B

Shift + B

3D Cursor



3D Cursor Position

Shift +

Shift +

3D Cursor Snap Menu

Shift + S

Shift + S

Re-set 3D Cursor

Shift + C

Shift + C

Views



Front View

Numpad 1

Numpad 1

Back View

Ctrl + Numpad 1

+ Numpad 1

Right View

Numpad 3

Numpad 3

Left View

Ctrl + Numpad 3

+ Numpad 3

Top View

Numpad 7

Numpad 7

Bottom View

Ctrl + Numpad 7

+ Numpad 7

Centre 3D View

Home

Home

View Pie Menu

Apostrophe

Tilde

Full View

Ctrl + Alt + Spacebar

Ctrl + Spacebar

Quad View

Ctrl + Alt + Q

Ctrl + Option + Q

**Perspective/
Orthographic**

Numpad 5

Numpad 5

Roll Scene

Numpad 8

Numpad 8

Camera



Camera View



Set Active Camera

Ctrl + Numpad 0

Ctrl + Numpad 0

Context Menu



Render Image

F12

F12

**Align Active
Camera to View**

Ctrl + Alt + Numpad Zero

Cmd + Option + Numpad Zero

Collections



Create New Collection

Ctrl + G

Cmd + G

Remove from Collection

Ctrl + Alt + G

Cmd + Option + G

Add selected to Active Collection

Ctrl + Shift + G

Cmd + Shift + G

Hide Collection Menu

Ctrl + H

Ctrl + H

Move to Collection

M

M

Link to Collection

Shift + M

Shift + M

General



Copy

Ctrl + C

Cmd + C

Paste

Ctrl + V

Cmd + V

New File

Ctrl + N

Cmd + N

Open Recent

Shift + Ctrl + O

Shift + Cmd + O

Open

Ctrl + O

Ctrl + O

Quit Blender

Ctrl + Q

Cmd + Q

Save

Ctrl + S

Cmd + S

Save As

Shift + Ctrl + S

Shift + Cmd + S

Undo

Ctrl + Z

Cmd + Z

Redo

Ctrl + Shift + Z

Cmd + Shift + Z

Object Mode



Mode Menu	Ctrl + Tab	Ctrl + Tab
Delete an Object	Delete	Delete
Play Animation	Spacebar	Spacebar
Pivot Menu	Full Stop	Full Stop
Local/Global View	Forward Slash	Forward Slash
Precise Increments	Shift + Hold	Shift + Hold
Snap During Transform	Shift + Tab	Shift + Tab
Tool Shelf Menu	Shift + Spacebar	Shift + Spacebar
Reverse Play/Pause	Shift + Ctrl + Spacebar	Shift + Cmd + Spacebar
Full Screen	Ctrl + Spacebar	Ctrl + Spacebar
Select All	A	A
Select/Deselect All	Double Tap A	Double Tap A
Deselect All	Alt + A	Option + A
Add Menu	Shift + A	Shift + A
Apply Menu	Ctrl + A	Cmd + A
Box Select	B	B
Zoom to Selected	Shift + B	Shift + B
Circle Select	C	C
Duplicate (Unlinked)	Shift + D	Shift + D
Duplicate (Linked)	Alt + D	Option + D
Grease Pencil Draw	D + LMB	D + LMB
Grease Pencil	D + RMB	D + RMB
Brush Strength	Shift + F	Shift + F
Select Grouped	Shift + G	Shift + G
Clear Translate Transformations	Alt + G	Option + G
Hide Selected	H	H
Hide Unselected	Shift + H	Shift + H
Reveal Hidden	Alt + H	Option + H

Object Mode

Insert Keyframe	I	I
Invert Selection	Ctrl + I	Cmd + I
Delete Keyframe	Alt + I	Option + I
Select new Keying Set Active	Shift + Ctrl + Alt + I	Shift + Cmd + Option + I
Join	Ctrl + J	Cmd + J
Select Linked	Shift + L	Shift + L
Make Links	Ctrl + L	Cmd + L
Properties Shelf	N	N
Proportional Editing	O	O
Proportional Falloff	Shift + O	Shift + O
Set Parent to Menu	Ctrl + P	Cmd + P
Clear Parent	Alt + P	Option + P
Quick Favourites Menu	Q	Q
Rotate	R	R
Free Rotate	RR	RR
Rotate Along Global Axis	R + X/Y/Z	R + X/Y/Z
Rotate Along Local Axis	R + X/Y/Z	R + X/Y/Z
Repeat Last Action	Shift + R	Shift + R
Clear Rotation	Alt + R	Option + R
Clear Scale Transforms	Alt + S	Option + S
Tool Shelf	T	T
Toggle Select Menu	W	W
Delete Menu	X	X
Shading Menu	Z	Z
Toggle X-Ray Mode	Alt + Z	Option + Z
Toggle Wireframe Mode	Shift + Z	Shift + Z
Toggle Overlay	Alt + Shift + Z	Option + Shift + Z

Edit Mode



Switch Object/Edit

Tab

Tab

Delete an Object

Delete

Delete

Play Animation

Spacebar

Spacebar

Pivot Menu

Full Stop

Full Stop

Local/Global View

Forward Slash

Forward Slash

Decrease Selection

Ctrl + Minus

Cmd + Minus

Increase Selection

Ctrl + Numpad Plus

Cmd + Numpad Plus

Precise Increments

Shift + Hold

Shift + Hold

Snap During Transform

Shift + Tab

Shift + Tab

Tool Shelf Menu

Shift + Spacebar

Shift + Spacebar

Reverse Play/Pause

Shift + Ctrl + Spacebar

Shift + Cmd + Spacebar

Full Screen

Ctrl + Spacebar

Ctrl + Spacebar

Align Bones

Ctrl + Alt + A

Cmd + Option + A

Edge Ring Select

Ctrl + Alt + LMB

Ctrl + Option + LMB

Edge Select

Alt + LMB

Option + LMB

Vertex Selection

1

1

Edge Selection

2

2

Face Selection

3

3

Select All

A

A

Select/Deselect All

Double Tap A

Double Tap A

Deselect All

Alt + A

Option + A

Add Menu

Shift + A

Shift + A

Box Select

B

B

Zoom to Selected

Shift + B

Shift + B

Bevel Edge

Ctrl + B

Cmd + B

Bevel Vertices

Ctrl + Shift + B

Ctrl + Shift + B

Circle Select

C

C

Duplicate (Unlinked)

Shift + D

Shift + D

Edit Mode



Extrude	E	E
Edge Crease	Shift + E	Shift + E
Edges Menu	Ctrl + E	Cmd + E
Extrude Menu	Alt + E	Option + E
Fill	F	F
Fill Face	Alt + F	Option + F
Faces Menu	Ctrl + F	Cmd + F
Edge Slide	GG	GG
Select Similar	Shift + G	Shift + G
Vertex Groups	Ctrl + G	Cmd + G
Hooks	Ctrl + H	Ctrl + H
Inset	I	I
Connect Vertex Path	J	J
Tris to Quads	Alt + J	Option + J
Knife Tool	K	K
Select all Connected	L	L
Mirror/Flip	Ctrl + M	Ctrl + M
Merge Menu	M	M
Normals Menu	Alt + N	Options + N
Recalculate Normals Outside	Shift + N	Shift + N
Recalculate Normals Inside	Ctrl + Shift + N	Ctrl + Shift + N
Separate	P	P
Make Vertex Parent	Ctrl + P	Cmd + P
Insert Loop cut	Ctrl + R	Cmd + R
Shrink/Flatten	Alt + S	Option + S
Shear	Ctrl + Shift + Alt + S	Cmd + Shift + Option + S
Triangulate Faces	Ctrl + T	Cmd + T
Unwrap	U	U

Edit Mode



Rip

V

V

Rip Vertices and Fill

Alt + V

Option + V

Vertex Menu

Ctrl + V

Cmd + V

Vertex Slide

Shift + V

Shift + V

Bend

Shift + W

Shift + W

Dissolve Selected

Ctrl + X

Cmd + X

Split

Y

Y

Grease Pencil Draw

D + LMB

D + LMB

Grease Pencil

D + RMB

D + RMB

Brush Strength

Shift + F

Shift + F

Select Similar

Shift + G

Shift + G

Hide Selected

H

H

Hide Unselected

Shift + H

Shift + H

Reveal Hidden

Alt + H

Option + H



To Use the function keys on a Mac, in Mac system preferences, in keyboard, check on "Use F1, F2, etc. keys as standard function keys".

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