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| **General user interface**   |  |  | | --- | --- | | New scene | Ctrl + N | | Shade selected faces | F2 | | Wirefr­ame­/smooth & highlights | F3 | | View edged faces | F4 | | Selection lock | Space | | Select | Q | | Add to selection | Ctrl + LMB | | Remove from selection | Alt + LMB | | Move | W | | Rotate | E | | Scale | R | | Hide grids | G | | Snaps | S | | Angle snap | A | | Percent snap | Ctrl + Shift + P | | Create camera from view | Ctrl + C | | Restrict movement along specific axis | F5 - F7 | | Restrict plane cycle | F8 | | Render last | F9 | | Quick render | Shift + Q | | Render scene dialogue | F10 | | Render to texture dialogue | 0 (zero) | | Material editor | M | | Particle view | 6 | | Enviro­nment and effects dialogue | 8 | | Open advanced lighting panel | 9 |   **Views**   |  |  | | --- | --- | | Top | T | | Bottom | B | | Left | L | | Front | F | | Isometric user | U | | Perspe­ctive user | P | | Camera | C | | Spot/d­ire­ctional light | Shift + 4 | |  | **General user interface (cont'd)**   |  |  | | --- | --- | | Open MAXScript listener | F11 | | Open last used explorer | Alt + Ctrl + Q | | Isolate selection | Alt + Q | | Maximise viewport | Alt + W | | Place highlight | Ctrl + H | | Select by name/s­elect from scene | H | | Select none | Ctrl + D | | Select invert | Ctrl + I | | Select ancestor | Page Up | | Select child | Page Down | | Clone | Ctrl+V | | Adaptive degrad­ation | O | | Expert mode | Ctrl + X | | Zoom mode | Alt + Z | | Zoom extents (single Viewport) | Ctrl + Alt + Z | | Zoom extents (all Viewports) | Ctrl + Shift + Z | | Zoom selected (all Viewports) | Z | | Pan | MMB | | Zoom | Ctrl+A­lt+MMB or Scroll MMB | | Arc rotate view mode | Ctrl + R | | Undo scene operation | Ctrl + Z | | Redo scene operation | Ctrl + Y | | Undo viewport operation | Shift + Z | | Redo viewport operation | Shift + Y | | Show safeframes | Shift + F | | Show statistics | 7 | | Auto key mode | N | | Hide/show cameras | Shift + C | | Hide/show geometry | Shift + G | | Hide/show helpers | Shift + H | | Hide/show lights | Shift + L | | Hide/show particle systems | Shift + P | | Hide/show shapes | Shift + S | | Hide/show space warps | Shift + W | | Display as see-th­rough | Alt + X | |  | **Editable Poly**   |  |  | | --- | --- | | Vertex level | 1 | | Edge level | 2 | | Border level | 3 | | Poly level | 4 | | Element level | 5 | | Extrude mode | Shift + E | | Bevel mode | Ctrl + Shift + B | | Chamfer mode | Ctrl + Shift + C | | Connect | Ctrl + Shift + E | | Edge constraint | Shift + X | | Target weld | Ctrl + Shift + W | | Cut | Alt + C | | Quickslice | Ctrl + Shift + Q | | Hide | Alt + H | | Hide unselected | Alt + I | | Unhide All | Alt + U |   **Quad Menus**   |  |  | | --- | --- | | Animation | Alt + RMB | | Lighti­ng/­render | Ctrl + Alt + RMB | | Modelling | Ctrl + RMB | | Reactor | Alt + Shift + RMB | | Snap | Shift + RMB | | Viewports | V |   **Material Editor**   |  |  | | --- | --- | | Background | B | | Backlight | L | | Cycle 3x2, 5x3, 6x4 sample slots | X | | Get material | G | | Go backward to sibling | Left arrow | | Go forward to sibling | Right arrow | | Go to parent | Up arrow | | Make preview | P | | Options | O | |

# Lokesh Surya Web Designing & Software Development

Cont. 9555405345 E-Mail Id. [lokesh.surya0@gmail.com](mailto:lokesh.surya0@gmail.com)

# 3ds Max Keyboard Shortcut