

Special Function Key Assignment

INOVATE includes wide-ranging shortcut and function key assignments to aid in fast and efficient part design. Among these function key assignments are several familiar standards, but most are specific to INOVATE in such areas as camera and part positioning, TriBall functionality, and handle behavior.

This chapter serves as a centralized reference for INOVATE's default shortcut and function key assignments introduced throughout the various chapters of the **Getting Started Guide**. However, these function key assignments are fully customizable.

File/Edit Function Keys

Ctrl + N	New
Ctrl + O	Open
Ctrl + S	Save
Ctrl + P	Print
Ctrl + Z	Undo
Ctrl + X	Cut
Ctrl + C	Copy
Ctrl + V	Paste
Ctrl + A	Select All
Del	Delete
Shift + Select	Multiple selection

Camera Function Keys/Buttons

Function Key Assignment

F2	Pan Camera/Pan
F3	Orbit Camera
F4	Dolly Camera Forward or Backwards
F5	Zoom Camera
F8	Fit Scene/Fit Sheet
F9	Perspective Camera
Ctrl + F2	Walk Camera
Ctrl + F5	Window Zoom
Ctrl + F7	Target Camera

Three-Button Mouse

Middle button	Orbit Camera
Middle button + Shift	Pan Camera/Pan
Middle button + Ctrl	Zoom Camera
Middle button + Ctrl/Shift	Target Camera

Microsoft Intellimouse

Wheel button	Orbit
Rotate wheel	Zoom

With Orbit Camera toolbar button selected

Alt	Constrain rotation about vertical/horizontal part axis
Shift	Constrain rotation about vertical/horizontal scene axis
Ctrl + Alt	Constrain rotation about vertical/horizontal part axis in 45-degree increments
Ctrl + Shift	Constrain rotation about vertical/horizontal scene axis in 45-degree increments

With Walk Camera toolbar button selected

Shift	Tilt camera up/down
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TriBall Function Keys

F10	Toggles TriBall on/off for shape/part
Ctrl + drag	Incremental snap to linear and angular defaults

With TriBall selected

Spacebar	Toggle between TriBall Only and moving the shape/part
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Translation handle

Shift + drag Activate SmartSnap feedback to TriBall center

Positioning Function Keys

Shift + drag face/anchor Activate SmartSnap feedback

With Mate & Align Constraint tool selected

Space bar Toggle through Constraint type options

With Mate & Align Positioning tool selected

Space bar Toggle through positioning options

Tab key Toggle through orientation directions

Rendering Function Keys

Ctrl + R Immediate activation of realistic rendering

Ctrl + F8 Activates IRONCAD's internal **software** renderer

Ctrl + F9 Activates **OpenGL** rendering

3D SmartDimensions Function Keys

With SmartDimension toolbar button selected

Shift + select circular edge Attach to center of edge

Ctrl + select face of shape Attach to anchor of shape

Esc Cancel SmartDimension command

Cross-section Creation Function Keys

When drawing profile geometry

Right-click last point of curve Activate pop-up dialog for numerical input

Shift + draw geometry Deactivate SmartCursor feedback

Handle (sizebox, face, profile, sheet metal, etc.) Function Keys

Default behavior:

Shift + drag Direct SmartSnap to faces/edges/vertices

Tools/Options/Interaction - Use Snap as default handle behavior:

Shift + drag Use no snapping

Right-mouse-click on handle - Use SmartSnap:

Shift + drag SmartSnap to lanes and axes

Miscellaneous Function Keys

Esc Deselects most tools

Ctrl + drop from catalog Replace existing part with catalog part

Ctrl + KToggle between Parasolid and ACIS kernels
Shift + place 3D curve start point
on existing geometryDe-activates automatic perpendicular 3D curve
placement

