



# LabView cheat sheet

## Object movement

Shift + Left click	Selects multiple objects; adds object to current selection
Ctrl + Left click	Toggles a single object to join or leave the current selection
Arrow keys	Moves selected objects one pixel at a time
Shift + Arrow keys	Moves selected objects several pixels at a time. If the Alignment Grid is enabled, the object will move to align with the grid and thereafter will move in grid increments
Shift + Left click + Move the mouse	(drag) Moves selected objects in one axis
Ctrl + Left click + Move the mouse	(drag) Duplicates selected object
Ctrl + Shift + Left click + Move the mouse	(drag) Duplicates selected object and moves it in one axis
Shift	(resize) Resizes selected object while maintaining aspect ratio
Ctrl	(resize) Resizes selected object while maintaining center point
Ctrl + Shift	(resize) Resizes selected object while maintaining center point and aspect ratio
Ctrl + Left click + Move the mouse	(drag a rectangle) Adds more working space to the front panel or block diagram
Ctrl + Alt + Left click + Move the mouse	(drag a rectangle) Removes space from the front panel or block diagram
Ctrl + A	Selects all front panel or block diagram items
Ctrl + Shift + A	Performs last alignment operation on objects
Ctrl + D	Performs last distribution operation on objects
Double + Left click	(click open space) Adds a free label to the front panel or block diagram if automatic tool selection is enabled
Ctrl + Wheel up and wheel down	Scrolls through subdiagrams of a Case, Event, or Stacked

	Sequence structure
G	While dragging an object with the mouse, this momentarily toggles on or off the alignment grid
A	While dragging an object on the block diagram, this momentarily toggles on or off the automatic wiring
W	While dragging a selection on the block diagram into or out of a structure, turns off auto-wiring across structure boundaries
Space + Left click + Move the mouse	(drag) Disables preset alignment positions when moving object labels or captions

## Navigating the LabVIEW

### Environment

Ctrl + F	Finds objects or text
Ctrl + Shift + F	Displays Search Results window or the Find Project Items dialog box with the previous search results
Ctrl + G	Searches for next instance of object or text
Ctrl + Shift + G	Searches for previous instance of VIs, object, or text
Ctrl + Tab	Cycles through LabVIEW windows in the order the windows appear onscreen. The order of the windows depends on the window manager you use
Ctrl + Shift + Tab	Cycles the opposite direction through LabVIEW windows
Ctrl + L	Displays the Error List window
Ctrl + Shift + W	Displays the All Windows dialog box
Ctrl + Shift + B	Displays the Class Browser window

### Navigating front panels and block diagrams

Ctrl + E	Displays block diagram or front
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	panel window
Ctrl + Space	Displays the Quick Drop dialog box. On Chinese keyboards, press the Ctrl-Shift-Space keys. (Mac OS X) Press the Command-Shift-Space keys
Ctrl + #	Enables or disables grid alignment. On French keyboards, press the Ctrl-" keys. (Mac OS X) Press the Command-* keys
Ctrl + /	Maximizes and restores window
Ctrl + T	Tiles front panel and block diagram windows
Ctrl + Shift + N	Displays the Navigation window
Ctrl + I	Displays the VI Properties dialog box
Ctrl + Y	Displays the History window

## Navigating the VI hierarchy window

Ctrl + D	Redraws the VI Hierarchy window
Ctrl + A	Shows all VIs in the VI Hierarchy window
Ctrl + Left click	(click VI) Displays the subVIs and other nodes that make up the VI you select in the VI Hierarchy window
Enter	Finds the next node that matches the search string after initiating a search by typing in the VI Hierarchy window
Shift + Enter	Finds the previous node that matches the search string after initiating a search by typing in the VI Hierarchy window

## Debugging

Ctrl + Down arrow	Steps into node
Ctrl + Right arrow	Steps over node
Ctrl + Up arrow	Steps out of node
Ctrl + Left click	(click on wire) In run mode place a probe
Left click	(click on wire or block diagram

	space) In run mode place a breakpoint
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## File operations

Ctrl + N	Opens a new, blank VI
Ctrl + O	Opens an existing VI
Ctrl + W	Closes the VI
Ctrl + S	Saves the VI
Ctrl + Shift + S	Saves all open files
Ctrl + P	Prints the window
Ctrl + Q	Quits LabVIEW

## Basic editing

Ctrl + Z	Undoes last action
Ctrl + Shift + Z	Redoes last action
Ctrl + X	Cuts an object
Ctrl + C	Copies an object
Ctrl + V	Pastes an object

## Help

Ctrl + H	Displays Context Help window
Ctrl + Shift + L	Locks Context Help window
Ctrl + ? or F1	Displays LabVIEW Help

## Tools and palettes

Ctrl	Switches to next most useful tool
Shift	Switches to Positioning tool
Ctrl + Shift	(over open space) Switches to Scrolling tool
Space	Toggles between two most common tools if automatic tool selection is disabled
Shift + Tab	Enables automatic tool selection
Tab	Cycles through four most common tools if you disabled automatic tool selection by clicking the automatic tool selection button. Otherwise, enables automatic tool selection
Arrow keys	Navigates temporary Controls and Functions palettes

Enter	Navigates into a temporary palette
Esc	Navigates out of a temporary palette
Shift + Right arrow + Left click	Displays a temporary version of the Tools palette at the location of the cursor

## SubVIs

Double + Left click	(click subVI) Displays subVI front panel
Ctrl + double + Left click	(click subVI) Displays subVI block diagram and front panel
Left click + Move the mouse	(Drag VI icon to block diagram) Places that VI as a subVI on the block diagram
Shift + Left click + Move the mouse	(drag VI icon to block diagram) Places that VI as a subVI on the block diagram with constants wired for controls that have non-default values
Ctrl + Right arrow + Left click	(click block diagram and select VI from palette) Opens front panel of that VI

## Execution

Ctrl + R	Runs the VI
Ctrl + .	Aborts the VI, when used while VI is running
Ctrl + M	Changes to run or edit mode
Ctrl + Left click	(click Run button) Recompiles the current VI
Ctrl + Shift + Left click	(click Run button) Recompiles all VIs in memory
Ctrl + Down arrow	Moves key focus inside an array or cluster, when used while VI is running
Ctrl + Up arrow	Moves key focus outside an array or cluster, when used while VI is running
Tab	Navigates the controls or indicators according to tabbing order, when used while VI is running
Shift + Tab	Navigates backward through the

controls or indicators, when used while VI is running

## Wiring

Ctrl + B	Deletes all broken wires in a VI
Esc or Right click	Cancels a wire you started
Left click	(click terminal) Cancels a wire you started
Left click	(click wire) Selects one segment
Double click	(click wire) Selects a branch
Click three times (rapidly)	(click wire) Selects entire wire
A	While wiring, disables automatic wire routing temporarily
Double click	(while wiring) Tacks down wire without connecting it
Space	Toggles automatic wiring while moving objects
Shift + Left click	Undoes last point where you set a wire
Ctrl + Left click	(click input on function with two inputs) Switches the two input wires
Space	Switches the direction of a wire between horizontal and vertical

## Text

Double click	Selects a single word in a string
Click three times (rapidly)	Selects an entire string
Ctrl + Right arrow	Moves forward in string by one word when using text that has characters that use single bytes, such as Western character sets. Moves forward in string by one character when using text that has characters that use multiple bytes, such as Asian character sets
Ctrl + Left arrow	Moves backward in string by one word when using text that has characters that use single bytes, such as Western character sets. Moves backward in string by one character when using text that

has characters that use multiple bytes, such as Asian character sets

Home	Moves to beginning of current line in string
End	Moves to end of current line in string
Ctrl + Home	Moves to beginning of entire string
Ctrl + End	Moves to end of entire string
Shift + Enter	Adds new items when entering items in enumerated type controls and constants, ring controls and constants, or Case structures. In string constants, press the Shift-Enter keys on the keyboard to disable autosizing if it is enabled. If autosizing is disabled, press the Shift-Enter keys on the keyboard to display a scroll bar in the constant
Ctrl + Shift + Enter	Duplicates the current case structure frame while editing the name of the current frame
Esc	Cancels current edit in a string
Ctrl + Enter	Ends text entry
Ctrl + Shift + =	Increases the current font size
Ctrl + -	Decreases the current font size
Ctrl + 0	Displays the Font dialog box
Ctrl + 1	Changes to the Application font in Font dialog box
Ctrl + 2	Changes to the System font in the Font dialog box
Ctrl + 3	Changes to the Dialog font in the Font dialog box
Ctrl + 4	Changes to the current font in the Font dialog box

## Icon editor

F	Horizontally flips the selected user layer
R	Rotates the selected user layer in a clockwise direction. If you do not select a layer, this tool rotates all user layers

Ctrl + W	Closes the Icon Editor
Ctrl + Z	Undoes last action
Ctrl + Shift + Z	Redoes last action
Ctrl + X	Cuts the selection to the clipboard
Ctrl + C	Copies the selection to the clipboard
Ctrl + V	Pastes the selection from the clipboard
Ctrl + A	Selects everything
Ctrl + D	Deselects everything
Ctrl + Shift + Del	Deletes everything. This includes removing the Template, deleting all Icon Text, and deleting all User Layers
Ctrl + U	Deletes all User Layers
Ctrl + F	Opens the Icon Editor Properties dialog to the Text Tool page
Ctrl + T	Toggles visibility of an overlay on the Icon Edit Area showing the current connector pane pattern
Ctrl + P	Opens the Icon Editor Properties dialog box
Ctrl + L	Toggles visibility of the Layers page
Ctrl + N	Creates a new user layer
Ctrl + Del	Deletes the selected user layers on the Layers page
Ctrl + H	Toggles visibility of the Context Help window
Ctrl + Shift + L	Locks visibility of the Context Help window
Ctrl + ?	Opens the LabVIEW Help

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*More information: [defkey.com/fa/labview-shortcuts](http://defkey.com/fa/labview-shortcuts)*

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