

LabVIEW™

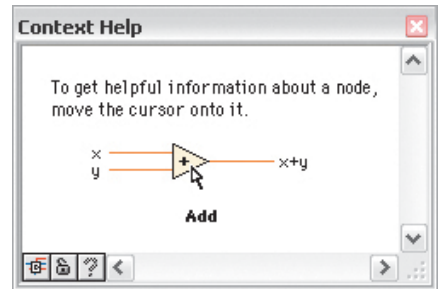
Quick Reference Card

Take advantage of the following resources to help you during each phase of using LabVIEW – from installation through advanced development. Use the following resources for our most comprehensive documentation.

Online Resources

HELP MENU

For the simplest, most integrated approach to using the **LabVIEW Help**, select **Help»Show Context Help** or press **Ctrl-H**. Move your cursor over an object.



Search the LabVIEW Help

Select **Help»Search the LabVIEW Help** to access information about LabVIEW programming concepts, step-by-step instructions for using LabVIEW, and reference information about LabVIEW VIs, functions, palettes, menus, and tools.

Find Examples

Select **Help»Find Examples** to browse hundreds of example VIs. You can modify an example VI to fit an application, or you can copy and paste from one or more examples into a VI you create.

Web Resources

Select **Help»Web Resources** to access links to LabVIEW resources on ni.com including upgrades, training and seminars, customer solutions, example VIs, LabVIEW support and documentation, user groups, and discussion forums.

LabVIEW

Keyboard Shortcuts

Objects and Movement

Shift-click	Selects multiple objects; adds object to current selection.
↑↓→←(arrow keys)	Moves selected objects one pixel at a time.
Shift-↑↓→←	Moves selected objects several pixels at a time.
Shift-click (drag)	Moves selected objects in one axis.
Ctrl-click (drag)	Duplicates selected objects.
Ctrl-Shift-click (drag)	Duplicates selected objects and moves them in one axis.
Shift-resize	Resizes object while maintaining aspect ratio.
Ctrl-resize	Resizes object while maintaining center point.
Ctrl-Shift-resize	Resizes selected object while maintaining center point and aspect ratio.
Ctrl-drag a rectangle in open space	Adds more working space to 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-click open space	Adds a free label to the front panel or block diagram if automatic tool selection is enabled.
Ctrl-mouse wheel	Scrolls through subdiagrams of a Case, Event, or Stacked Sequence structure.
Spacebar (drag)	Disables preset alignment positions when moving labels or captions.
Ctrl-U	Reroutes all wires and rearranges block diagram objects automatically.

Debugging

Ctrl-↓	Steps into node.
Ctrl-→	Steps over node.
Ctrl-↓	Steps out of node.

Basic Editing

Ctrl-Z	Undoes last action.
Ctrl-Shift-Z	Redoes last action.
Ctrl-X	Cuts selected objects.
Ctrl-C	Copies selected objects
Ctrl-V	Pastes last cut or copied objects.

Navigating the LabVIEW Environment

Ctrl-E	Displays block diagram or front panel windows.
Ctrl-#	Enables or disables grid alignment. (Mac OS) Press the Command-* keys.
Ctrl-/	Maximizes and restores window.
Ctrl-T	Tiles front panel and block diagram windows.
Ctrl-F	Finds objects or text.
Ctrl-G	Searches VIs for next instance of object or text.
Ctrl-Shift-G	Searches VIs for previous instance of object or text.
Ctrl-Shift-F	Displays the Search Results window.
Ctrl-Tab	Cycles through LabVIEW windows.
Ctrl-Shift-Tab	Cycles through LabVIEW windows in reverse order.
Ctrl-Shift-N	Displays the Navigation window.
Ctrl-I	Displays the VI Properties dialog box.
Ctrl-L	Displays the Error list window.
Ctrl-Y	Displays the History window.
Ctrl-Shift-W	Displays the All Windows dialog box.
Ctrl-Space	Displays the Quick Drop dialog box. (Mac OS) Press the Command-Shift-Space keys.

Navigating the VI Hierarchy Window

Ctrl-D	Redraws the window.
Ctrl-A	Shows all VIs in the window.
Ctrl-click VI	Displays the subVIs and other nodes that make up the VI you select in the window.
Enter [†]	Finds next node that matches the search string.
Shift-Enter [†]	Finds previous node that matches the search string.
[†] After initiating a search by typing in the VI Hierarchy window.	

File Operations

Ctrl-N	Creates 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.

Help

Ctrl-H	Displays the Context Help window. (Mac OS) Press the Command-Shift-H keys.
Ctrl-Shift-L	Locks the Context Help window.
Ctrl-? or F1	Displays the LabVIEW Help .

Refer to the **LabVIEW Help** for keyboard shortcut variations on other system locales and keyboard layouts.

Tools and Palettes

Ctrl	Switches to next most useful tool.
Shift	Switches to Positioning tool.
Ctrl-Shift over open space	Switches to Scrolling tool.
Spacebar[†]	Toggles between two most common tools.
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.
↑↓→←	Navigates temporary Controls and Functions palettes.
Enter	Navigates into a temporary palette.
Esc	Navigates out of a temporary palette.
Shift-right-click	Displays a temporary version of the Tools palette at the location of the cursor.

[†] If automatic tool selection is disabled.

SubVIs

Double-click subVI	Displays subVI front panel.
Ctrl-double-click subVI	Displays subVI block diagram and front panel.
Drag VI icon to block diagram	Places that VI as a subVI on the block diagram.
Shift-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-click block diagram and select VI from palette	Opens the front panel of that VI.

Execution

Ctrl-R	Runs the VI.
Ctrl-.[†]	Stops the VI.
Ctrl-M	Changes to run or edit mode.
Ctrl-Run button	Recompiles the current VI.
Ctrl-Shift-Run button	Recompiles all VIs in memory.
Ctrl-↓[†]	Moves key focus inside an array or cluster.
Ctrl-↑[†]	Moves key focus outside an array or cluster.
Tab[†]	Navigates the controls or indicators according to tabbing order.
Shift-Tab[†]	Navigates backward through the controls or indicators.

[†] While the VI is running

Text

Double-click	Selects a single word in a string.
Triple-click	Selects an entire string.
Ctrl-→	Moves forward in string by one word.
Ctrl-←	Moves backward in string by one word.
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.
Esc	Cancel current edit in a string.
Ctrl-Enter	Ends text entry.
Ctrl=	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.
Ctrl-2[†]	Changes to the System font.
Ctrl-3[†]	Changes to the Dialog font.
Ctrl-4[†]	Changes to the current font.

[†] In the **Font** dialog box.

Wiring

Ctrl-B	Removes all broken wires.
Esc, right-click, or click terminal	While wiring, cancels a wire you started.
Single-click wire	Selects one segment.
Double-click wire	Selects a branch.
Triple-click wire	Selects entire wire.
A	While wiring, disables automatic wire routing temporarily.
Double-click	While wiring, tacks down wire without connecting it.
spacebar	While wiring, switches the direction of a wire between horizontal and vertical.
spacebar	While moving objects, toggles automatic wiring.
Ctrl-click input on function with two inputs	Switches the two input wires.
Shift-click	While wiring, undoes last point where you set a wire.

Note: The **Ctrl** key in these shortcuts corresponds to the **Option** or **Command** key on Mac OS and the **Alt** key on Linux.

Printed Resources

INSTALLATION & UPGRADE



DVD Installation Instructions (Windows)

Outlines the DVD installation, which gives you access to nearly all products in the LabVIEW platform.



LabVIEW Release Notes

Provides additional installation instructions for LabVIEW. Also describes the system requirements for LabVIEW, including the LabVIEW Application Builder.



LabVIEW Upgrade Notes

Describes new features and issues you might encounter when you upgrade LabVIEW to the latest version on Windows, Mac OS, and Linux.

USAGE



Getting Started with LabVIEW

Complete quick tutorials to learn about building data acquisition and instrument control applications.



LabVIEW Fundamentals

Learn about LabVIEW programming concepts and techniques, features, VIs, and functions.

SUPPORT



LabVIEW Readme

Last-minute information about LabVIEW that did not make it into other resources. Includes bug fixes, possible installation or compatibility issues, and changes from previous versions of LabVIEW.