

LabVIEW™

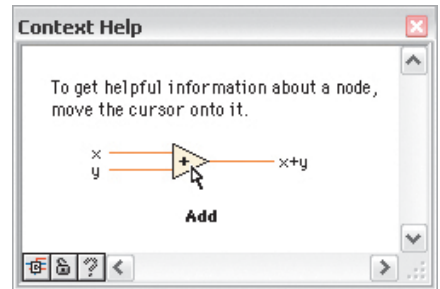
Quick Reference Card

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 the 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** and 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

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|--|---|
| Shift-click | Selects multiple objects; adds an object to the current selection. |
| ↑↓→← (arrow keys) | Moves the selected objects one pixel at a time. |
| Shift-↑↓→← | Moves the selected objects several pixels at a time. |
| Shift-click (drag) | Moves the selected objects in one axis. |
| Ctrl-click (drag) | Duplicates the selected objects. |
| Ctrl-Shift-click (drag) | Duplicates the selected objects and moves them in one axis. |
| Shift-resize | Resizes the selected object while maintaining aspect ratio. |
| Ctrl-resize | Resizes the selected object while maintaining center point. |
| Ctrl-Shift-resize | Resizes the 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 object labels or captions. |
| Ctrl-U | Reroutes all wires and rearranges block diagram objects automatically. |

Debugging

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

Basic Editing

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|---------------------|------------------------------------|
| 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 the block diagram or front panel window. |
| Ctrl-# | Enables or disables grid alignment. (Mac OS) Press the Command-* keys. |
| Ctrl-/ | Maximizes and restores the 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-Shift-E | Displays current VI in Project Explorer 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

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| 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

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|---------------------|------------------------|
| 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. |

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

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|-----------------------------------|---|
| Ctrl | Switches to the next most useful tool. |
| Shift | Switches to the Positioning tool. |
| Ctrl-Shift over open space | Switches to the Scrolling tool. |
| Spacebar[†] | Toggles between the two most common tools. |
| Shift-Tab[†] | Enables automatic tool selection. |
| Tab[†] | Cycles through the 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

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| Double-click subVI | Displays the subVI front panel. |
| Ctrl-double-click subVI | Displays the 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

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|------------------------------|--|
| 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

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|---------------------------|--|
| 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 the beginning of current line in string. |
| End | Moves to the end of current line in string. |
| Ctrl-Home | Moves to the beginning of entire string. |
| Ctrl-End | Moves to the 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 Style 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 Style** dialog box.

Wiring

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|--|---|
| Ctrl-B | Deletes all broken wires in a VI. |
| Esc, right-click, or click terminal[†] | Cancel a wire you started. |
| Single-click wire | Selects one segment. |
| Double-click wire | Selects a branch. |
| Triple-click wire | Selects the entire wire. |
| A[†] | Temporarily disables automatic wire routing. |
| Double-click[†] | Tacks down wire without connecting it. |
| spacebar[†] | 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[†] | Undoes last point where you set a wire. |

[†] While wiring.

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

Manuals

INSTALLATION



LabVIEW Release Notes

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

UPGRADE



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.

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.