Shortcut Keys

Summary

Guide
GU0104 (v1.4) July 12, 2005

This guide provides a list of shortcut keys available for use within Altium Designer, ranging from those used at the environment level, through to those associated with particular document editors.

Environment Shortcuts

F1	Access Documentation Library (in context with object under cursor)
Ctrl + O	Access *Choose Document to Open* dialog
Ctrl + F4	Close active document
Ctrl + S	Save current document
Ctrl + P	Print current document
Alt + F4	Close Altium Designer
Ctrl + Tab	Cycle through open documents (to the right)
Shift + Ctrl + Tab	Cycle through open documents (to the left)
Drag & Drop from Windows Explorer into Altium Designer	Open document as a free document
F4	Hide/display all floating panels
Shift + F4	Tile open documents
Shift + F5	Toggle between active panel and workspace
Shift + F1	Access Natural Language Search facility (Smart Search)
Hold Ctrl while moving a panel	Prevent automatic docking, grouping or snapping

Project Shortcuts

C, C	Compile the current design project
C, R	Recompile the current design project
C, D	Compile Document
C, O	Open the *Options for Project* dialog for the current project

Ctrl + Alt + O	Access the *Open Project Documents* dialog for the current project
C, L	Close all documents belonging to active project
C, T, M	Access Storage Manager panel
C, T, L	Access Local History for the current project
C, V	Access the *Archiver* wizard

Panel Shortcuts

Common Panel Shortcuts[1]

Home	Jump to first entry in panel
End	Jump to last entry in panel
Up Arrow	Move to previous entry in the panel
Down Arrow	Move to next entry in the panel
Left Arrow	Collapse expanded top-level entry or sub-folder
Right Arrow	Expand collapsed top-level entry or sub-folder
Left-Click	Select entry under cursor
Right-Click	Display context sensitive pop-up menu
Left-Click on a column header	Sort data by that column
Left-Click & Drag column header	Move data column
Left-Click and type	Direct filtering based on typed character(s)
Esc	Clear current filtering when using the direct filter feature
Backspace	Clear previously entered filter characters when using the direct filter feature

Projects Panel Shortcuts

Double Left-Click	Edit document under cursor
Drag & Drop from one project to another	Move selected document
Ctrl + Drag & Drop from one project to another	Link selected document into second project

CAMtastic Panel Shortcuts

Select layer, Left Arrow	Turn all layers OFF except selected one
Select layer, Right Arrow	Turn all layers ON
Double Left-Click on a layer	Make that layer the current layer
Select two layers, C	Access *Compare Layers* dialog
Select layer, Delete	Delete layer

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[1] Not all panels will support all of these shortcuts. For detailed information with respect to each individual panel, press **F1** with the cursor over the (focused) panel.

List Panel Shortcuts

↑ ↓ ← →	Shift focus to next cell in direction of arrow key
Left-Click & Drag	Multi-select in direction of mouse movement
Ctrl + Click	Multi-select (non-sequential)
Shift + Click	Multi-select (sequential)
Spacebar (Schematic)	Edit selected cell
Spacebar (PCB)	Flush current entry for cell currently being edited
F2	Edit selected cell
Enter (Schematic)	Finish editing current cell
Enter (PCB)	Finish editing current cell and enter edit mode for cell beneath
Ctrl + C (or Ctrl + Insert)	Copy
Ctrl + V (or Shift + Insert)	Paste
PgUp	Jump selection to top of visible list area
PgDn	Jump selection to bottom of visible list area
Mouse Wheel	Pan Up or Down

Editor Shortcuts

Common Schematic and PCB Editor Shortcuts

Shift	While autopanning to pan at higher speed
Y	While placing an object to flip it along the Y-axis
X	While placing an object to flip it along the X-axis
Shift+ ↑ ↓ ← →	Move cursor ten grid increments in direction of arrow key
↑ ↓ ← →	Move cursor one grid increment in direction of arrow key
Esc	Escape from current process
End	Redraw the screen
Home	Redraw screen with center at the cursor point
Ctrl + Home	Jump to absolute origin (lower left corner of workspace)
Ctrl + mouse wheel down (or PgDn)	Zoom out
Ctrl + mouse wheel up (or PgUp)	Zoom in around cursor (zooms around cursor, position the cursor first)
Mouse wheel	Pan Up/Down
Shift + mouse wheel	Pan Left/Right
A	Display Align sub-menu
B	Display Toolbars sub-menu

Shortcut Keys

J	Display Jump sub-menu
K	Display Workspace Panels sub-menu
M	Display Move sub-menu
O	Pop-up right-click Options menu
S	Display Select sub-menu
X	Display DeSelect sub-menu
Z	Pop-up menu with zoom commands
Ctrl + Z	Undo
Ctrl + Y	Redo
Ctrl + A	Select All
Ctrl + C (or Ctrl + Insert)	Copy
Ctrl + X (or Shift + Delete)	Cut
Ctrl + V (or Shift + Insert)	Paste
Ctrl + R	Copy and repeat paste selected objects (Rubber Stamp)
Ctrl + Q	Access the *Selection Memory* dialog
Alt	Constrain object movement horizontally or vertically
Delete	Delete Selection
V, D	View Document
V, F	View Fit placed objects
X, A	De-select all
Right-Click & Hold	Display slider hand & slide view
Left-Click	Select/deselect object under cursor
Right-Click	Pop-up floating menu, or escape from current operation
Right-Click on object, select Find Similar	Load object under cursor into *Find Similar Objects* dialog
Left-Click, Hold & Drag	Select inside area
Left-Click & Hold	Move object/selection under cursor
Left Double-Click	Edit object
Shift + Left-Click	Add/remove object from selection set
Tab	Edit attributes while placing
Shift + C	Clear current Filter
Shift + F	Click on object to display *Find Similar Objects* dialog
Y	Pop-up Quick Queries menu
F11	Toggle Inspector panel on/off
F12	Toggle Filter panel on/off
Shift + F12	Toggle List panel on/off
Alt + F5	Toggle Full Screen mode

, Left-Click	Cross probe to matching object on target document, stay remaining in source document
, Ctrl + Left-Click	Cross probe and jump to matching object on target, jumping to target document
Shift + Ctrl + T	Align selected objects by top edges
Shift + Ctrl + L	Align selected objects by left edges
Shift + Ctrl + R	Align selected objects by right edges
Shift + Ctrl + B	Align selected objects by bottom edges
Shift + Ctrl + H	Distribute selected objects equally in horizontal plane
Shift + Ctrl + V	Distribute selected objects equally in vertical plane
Shift + Ctrl + D	Align selected objects to grid
Ctrl + n (n=1 to 8)	Store current selection in memory location n
Alt + n (n=1 to 8)	Recall selection from memory location n
Shift + n (n=1 to 8)	Add current selection to selection already stored in memory location n
Shift + Alt + n (n=1 to 8)	Recall selection from memory location n and add it to current selection in workspace
Shift + Ctrl + n (n=1 to 8)	Apply filtering based on selection set in memory location n.

Schematic-Only Shortcuts

G	Cycle through snap grid settings
F2	Edit in-place
Ctrl + PgDn	Fit all objects into view
Spacebar	Rotate counterclockwise by 90 degrees while moving an object
Spacebar	Toggle start/end mode while placing a wire/bus/line
, Spacebar	Toggle pen color while using highlighting pens
Shift + Spacebar	Rotate clockwise by 90 degrees while moving an object
Shift + Spacebar	Cycle Step through placement modes while placing a wire/bus/line
Ctrl + Spacebar	Rotate counterclockwise by 90 degrees while dragging an object
Shift + Ctrl + Spacebar	Rotate clockwise by 90 degrees while dragging an object
, Ctrl + Left-Click on port or sheet entry	Highlight connection/net on target sheet while using highlighting pens
Shift + Ctrl + C	Clear all highlighting applied by highlighting pens
Backspace	Remove the last vertex when placing a wire/bus/line/polygon

Left-Click, Hold + Delete	When a wire is selected to delete a vertex
Left-Click, Hold + Insert	When a wire is selected to add a vertex
Ctrl + Left-Click & Drag	Drag object
Left-Click in Navigator panel	Cross probe to object on schematic document
Alt + Left-Click in Navigator panel	Cross probe to object on both schematic document and PCB
Alt + Left-Click on net object	Highlight all elements in net on sheet
Ctrl + Double Left-Click	On sheet symbol to descend hierarchy
Ctrl + Double Left-Click	On Port to ascend hierarchy
+ (numeric keypad)	Enlarge IEEE symbol size during placement or movement
- (numeric keypad)	Reduce IEEE symbol size during placement or movement
Ctrl + F	Find text
Ctrl + H	Find and replace text
F3	Find next occurrence of searched text
Insert	Copy attributes of object under the cursor while placing an object of the same type
S	Swap sheet entry side while moving one or more selected sheet entries
V	Reverse sheet entry order while moving two or more selected sheet entries
T	Toggle sheet entry IO type while moving one or more selected sheet entries
T	Toggle all sheet entry IO types while resizing selected sheet symbol
T, P	Access **Schematic – General** page of *Preferences* dialog

PCB-Only Shortcuts

Shift + R	Cycle through three routing modes (ignore, avoid or push obstacle)
Shift + E	Toggle electrical grid on/off
Shift + B	Build Query
Shift + PgUp	Zoom-in in small increments
Shift + PgDn	Zoom-out in small increments
Ctrl + PgUp	Zoom-in to 400%
Ctrl + PgDn	Fit document into view
Ctrl + End	Jump to defined relative origin for the workspace
Alt + End	Redraw current layer only
Alt + Insert	Paste on current layer

Ctrl + G	Pop up *Snap Grid* dialog
G	Pop up Snap Grid menu
N	Hide the ratsnest while moving a component
L	Flip component being moved to other side of board
Ctrl + Left-Click	Highlight routed net under cursor (repeat in free space to clear)
Ctrl + Spacebar	Cycle through connection lines modes during interactive routing
Backspace	Remove last track corner during interactive routing
Shift + S	Toggle single layer mode on/off
O, D, D, Enter	Set all primitives to display in draft mode
O, D, F, Enter	Set all primitives to display in final mode
O, D (or Ctrl + D)	Access **PCB – Show/Hide** page of *Preferences* dialog
L	View *Board Layers and Colors* dialog
Ctrl + H	Select connected copper
Ctrl + Shift + Left-Click & Hold	Break track
Shift + Ctrl + Left-Click	Highlight additional routed net under cursor
+ (numeric keypad)	Next layer
- (numeric keypad)	Previous layer
* (numeric keypad)	Next routing layer
M	Display Move sub-menu
Alt	Hold to temporarily switch from avoid-obstacle to ignore-obstacle mode
Ctrl	Hold to temporarily disable electrical grid while routing
Ctrl + M	Measure distance
Spacebar (in interactive process)	Rotate object anti-clockwise (define rotation step on **PCB – General** page of *Preferences* dialog)
Spacebar (during interactive routing)	Toggle start/end mode
Shift + Spacebar (in interactive process)	Rotate object being moved clockwise
Shift + Spacebar (during interactive routing)	Step through corner modes during interactive routing
[	Decrease mask level for permanent filter
]	Increase mask level for permanent filter
Ctrl + Left Arrow	View previous component in active library document
Ctrl + Right Arrow	View next component in active library document
Q	Toggle units (metric/imperial).
T, B	Access Component Body Manager dialog
T, P	Access **PCB – General** page of *Preferences* dialog

Devices View Shortcuts

F5	Refresh All
Esc	Halt Process Flow
Ctrl + F9	Compile Bit File
Ctrl + F10	Rebuild Bit File
F12	Reset Hard Device
F9	Compile Bit File and Download
F10	Rebuild Bit File and Download
F11	Download Bit File
Shift + Ctrl + F9	Compile All Bit Files
Shift + Ctrl + F10	Rebuild All Bit Files
Shift + F12	Reset All Devices
Shift + F9	Compile All Bit Files and Download
Shift + F10	Rebuild All Bit Files and Download
Shift + F11	Download All Bit Files
Alt + T, P	Access **FPGA – Devices View** page of *Preferences* dialog

PCB3D Editor Shortcuts

PgUp	Zoom In
PgDn	Zoom Out
Alt + B	Fit Board
↑ ↓ ← →	Pan in direction of the arrow key
Insert	Pan In
Delete	Pan Out
T, E	Access *IGES Export Options* dialog
T, P	Access **PCB – PCB 3D** page of *Preferences* dialog

PCB3D Library Editor Shortcuts

PgUp	Zoom In
PgDn	Zoom Out
Alt + M	Fit Model
↑ ↓ ← →	Pan in direction of the arrow key
Insert	Pan In
Delete	Pan Out
F2	Rename model
Shift + Delete	Delete model
Ctrl + T	Set rotation and translation
T, I	Import 3D model

T, E	Export model in IGES format
T, P	Access **PCB – PCB 3D** page of *Preferences* dialog

Output Job Editor Shortcuts

Ctrl + X (or Shift + Delete)	Cut
Ctrl + C (or Ctrl + Insert)	Copy
Ctrl + V (or Shift + Insert)	Paste
Ctrl + D	Duplicate
Delete	Clear
Alt + Enter	Configure
Ctrl + F9	Run Focused Output Generator
Shift + Ctrl + F9	Run Selected Output Generators
F9	Run all Batch-enabled Output Generators
Shift + Ctrl + O	Access *Output Job Options* dialog

CAMtastic Editor Shortcuts

Ctrl + Z (or Alt + Backspace)	Undo
Ctrl + Y (or Ctrl + Backspace)	Redo
Ctrl + X	Cut
Ctrl + C (or Ctrl + Insert)	Copy
Ctrl + V (or Shift + Insert)	Paste
Ctrl + E	Clear
Ctrl + M	Mirror
Ctrl + R	Rotate
Ctrl + L	Align Selective
L	Merge Layers
Alt + C	Select using crossing window
Alt + P	Select previous selection
Ctrl + F	Toggle Flash selection mode On/Off
Ctrl + T	Toggle Trace selection mode On/Off
Ctrl + A	Array objects
Ctrl + D	Modify/change objects
Ctrl + I	Set origin
Ctrl + U	Scale objects
Home	View all
Shift + P	View around specified point
Ctrl + Mouse Wheel Up (or PgUp)	Zoom-in
Ctrl + Mouse Wheel Down (or PgDn)	Zoom-out
Mouse Wheel Up	Pan Up

Mouse Wheel Down	Pan Down
Shift + Mouse Wheel Up	Pan Left
Shift + Mouse Wheel Down	Pan Right
Shift + V	Zoom last
End	Refresh
D	Dynamic panning mode
Shift + B	View Film Box
Ctrl + Home	Zoom Film Box
Alt + Home	Zoom current DCode
Shift + E	Toggle view of Extents Box On/Off
Shift + F	Toggle Fill Mode On/Off
Shift + H	Toggle highlight of current objects using current DCode
N	Toggle negative view
Shift + T	Toggle translucent view
Shift + G	Access **CAMtastic – Drawing Modes** page of *Preferences* dialog
Q	Query object
Shift + N	Query net
Shift + M	Measure point-to-point
Shift + A	Access apertures table
K	Access *Set Layers Off* dialog
Alt + K	Access *Set Layers On* dialog
Shift + S	Toggle Object Snap mode
Esc	Cancel action
Shift + Ctrl + R	Repeat last action
+ (numeric keypad)	display next layer only
- (numeric keypad)	display previous layer only
* (numeric keypad)	display next signal/plane layer only

Digital Waveform Editor Shortcuts

PgUp	Zoom-in around active time cursor
PgDn	Zoom-out around active time cursor
Ctrl + PgDn	Fit document
Ctrl + A	Select all waveforms
Ctrl + C (or Ctrl + Insert)	Copy waveform
Ctrl + X (or Shift + Delete)	Cut waveform
Ctrl + V (or Shift + Insert)	Paste waveform
Left-Click & Drag	Relocate focused waveform

J	Display Jump sub-menu
Shift + Ctrl + F	Jump to first transition for focused waveform
Shift + Ctrl + N	Jump to next transition for focused waveform
Shift + Ctrl + P	Jump to previous transition for focused waveform
Shift + Ctrl + L	Jump to last transition for focused waveform
T, P	Access **Wave – General** page of *Preferences* dialog

SimData Editor Shortcuts

Ctrl + X (or Shift + Delete)	Cut
Ctrl + C	Copy
Ctrl + V (or Shift + Insert)	Paste
Delete	Clear
+ (numeric keypad)	Next chart
- (numeric keypad)	Previous chart
PgUp	Zoom-in
PgDn	Zoom-out
Ctrl + PgDn	Fit Document
End	Refresh
Esc (or Shift + C)	Clear filter
Up Arrow	Scroll upwards through chart, one wave plot at a time
Shift + Up Arrow	Scroll upwards through chart, one page at a time
Ctrl + Up Arrow (or Ctrl + Home)	Jump to top of chart
Down Arrow	Scroll downwards through chart, one wave plot at a time
Shift + Down Arrow	Scroll downwards through chart, one page at a time
Ctrl + Down Arrow (or Ctrl + End)	Jump to bottom of chart
Left Arrow	Scroll left through chart, one major division on X-axis at a time
Shift + Left Arrow	Scroll left through chart, one page at a time
Ctrl + Left Arrow	Jump to start of X-axis
Right Arrow	Scroll right through chart, one major division on X-axis at a time
Shift + Right Arrow	Scroll right through chart, one page at a time
Ctrl + Right Arrow	Jump to end of X-axis

Text-based Document Editors

Common Shortcuts[2]

Ctrl + Z	Undo
Ctrl + X (or Shift + Delete)	Cut
Ctrl + C (or Ctrl + Insert)	Copy
Ctrl + V (or Shift + Insert)	Paste
Enter	Insert carriage return
Ctrl + N	Insert new line
Tab	Insert tab
Shift + Tab	Tab backwards
Insert	Toggle text insertion mode between Insert and Overwrite
Shift + Ctrl + C	Clear Filter Marks
Ctrl + F	Find text
Ctrl + H (or Ctrl + R)	Find and replace text
F3 (or Ctrl + L)	Find next instance of searched text
Shift + Ctrl + F	Find next selected instance of searched text
Ctrl + A	Select All
PgUp	Scroll one page up
PgDn	Scroll one page down
Ctrl + Up Arrow	Scroll one line up
Ctrl + Down Arrow	Scroll one line down
Ctrl + PgUp	Move cursor to top of window
Ctrl + PgUp	Move cursor to bottom of window
Home	Move cursor to beginning of current line
End	Move cursor to end of current line
Ctrl + Home	Move cursor to Beginning of File
Ctrl + End	Move cursor to End of File
Up Arrow	Move cursor one line up
Down Arrow	Move cursor one line down
Left Arrow	Move cursor one character left
Right Arrow	Move cursor one character right
Ctrl + Left Arrow	Move cursor one word left
Ctrl + Right Arrow	Move cursor one word right

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[2] These shortcuts are based on the `Default` key mapping. The key mapping used can be changed on the **Text Editors – General** page of the *Preferences* dialog (**Tools » Editor Preferences**).

Shift + Ctrl + Home	Extend Selection to Beginning of File
Shift + Ctrl + End	Extend selection to End of File
Shift + PgUp	Extend selection one page up
Shift + PgDn	Extend selection one page down
Shift + Ctrl + PgUp	Extend selection to top of window
Shift + Ctrl + PgDn	Extend selection to bottom of window
Shift + Home	Extend selection to beginning of current line
Shift + End	Extend selection to end of current line
Shift + Left Arrow	Extend selection left one character
Shift + Right Arrow	Extend selection right one character
Shift + Up Arrow	Extend selection to same column in previous line
Shift + Down Arrow	Extend selection to same column in next line
Shift + Ctrl + Left Arrow	Extend selection one word left
Shift + Ctrl + Right Arrow	Extend selection one word right
Alt + Shift + Ctrl + Home	Extend selection column to Beginning of File
Alt + Shift + Ctrl + End	Extend selection column to End of File
Alt + Shift + PgUp	Extend selection column one page up
Alt + Shift + PgDn	Extend selection column one page down
Alt + Shift + Ctrl + PgUp	Extend selection column to top of window
Alt + Shift + Ctrl + PgDn	Extend selection column to bottom of window
Alt + Shift + Home	Extend selection column to beginning of current line
Alt + Shift + End	Extend selection to end of current line
Alt + Shift + Left Arrow	Extend selection column to the left by one column
Alt + Shift + Right Arrow	Extend selection column to the right by one column
Alt + Shift + Up Arrow	Extend selection column up by one line
Alt + Shift + Down Arrow	Extend selection column down by one line
Alt + Shift + Ctrl + Left Arrow	Extend selection column one word left
Alt + Shift + Ctrl + Right Arrow	Extend selection column one word right
Alt + Left-Click & Drag	Define selection column using mouse
Delete	Delete character to the right of cursor position
Backspace	Delete character to the left of the cursor position
Ctrl + Backspace	Delete to beginning of previous word
Ctrl + T	Delete to beginning of next word
Ctrl + Y	Delete current line
Ctrl + Q + Y	Delete to end of current line
Alt + T, P	Access **Text Editors – General** page of *Preferences* dialog

Embedded Software Editor (.c, .asm) Shortcuts

F9	Run the program being debugged
Ctrl + F9	Run to cursor
F5	Toggle breakpoint for current line
Left-Click in Gutter	Toggle breakpoint for line
Ctrl + F5	Add Watch
F7	Step into the current source line
Ctrl + F7	Evaluate
F8	Step to the next source line
Shift + F7	Step into the current instruction
Shift + F8	Step to the next instruction
Ctrl + F2	Reset the current debug session
Ctrl + F3	Finish the current debug session
Left-Click on code outline +/-	expand/contract segment of code
Ctrl + Double Left-Click on code outline +/-	expand/contract all code segments
Ctrl + Left-Click on variable/function/procedure name	Jump text cursor to respective declaration point

VHDL Editor Shortcuts

Ctrl + F9	Compile source HDL documents
F9	Run Forever
Ctrl + F5	Run simulation for the last time step
Ctrl + F8	Run simulation to a specified time
Ctrl + F11	Run simulation to next debug point
Ctrl + F7	Run simulation for a time step
F6	Run simulation for a Delta step
F7	Run simulation, stepping into procedures/functions
F8	Run simulation, stepping over procedures/functions
Ctrl + F2	Reset current simulation session
Ctrl + F3	End current simulation session
Left-Click in Gutter	Toggle breakpoint for line
Left-Click on code outline +/-	expand/contract segment of code
Ctrl + Left-Click on code outline +/-	expand/contract all code segments

Scripting Editor (.pas, .vbs, .js, .tcl, .bas) Shortcuts[3]

F9	Run the script
Ctrl + F9	Run to cursor
F5	Toggle breakpoint for current line
Left-Click in Gutter	Toggle breakpoint for line
Ctrl + F7	Evaluate
F7	Step into the current source line
F8	Step to the next source line
Ctrl + F3	Stop script execution
Ctrl + Left-Click on variable/function/procedure name	Jump text cursor to respective declaration point

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[3] Only the F9 shortcut applies to the TCL Script Editor

GU0104 (v1.4) July 12, 2005

Revision History

Date	Version No.	Revision
07-Jan-2004	1.0	New product release
05-Feb-2004	1.01	New Shortcut Key entries
18-Oct-2004	1.1	Added shortcut key entry for accessing the *Selection Memory* dialog, in Common Schematic and PCB Shortcuts.
30-Mar-2005	1.2	Updated for Altium Designer (SP3).
07-Jun-2005	1.3	F5 updated to Shift+F5
12-Jul-2005	1.4	Restructured and additional shortcut key descriptions added.