

# *Quattro<sup>®</sup> Pro for Windows*

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## Quick Reference Guide

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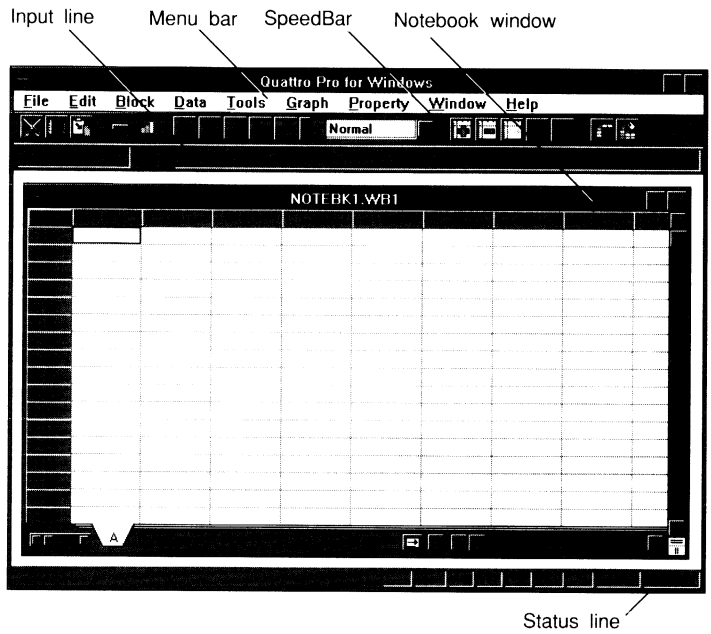
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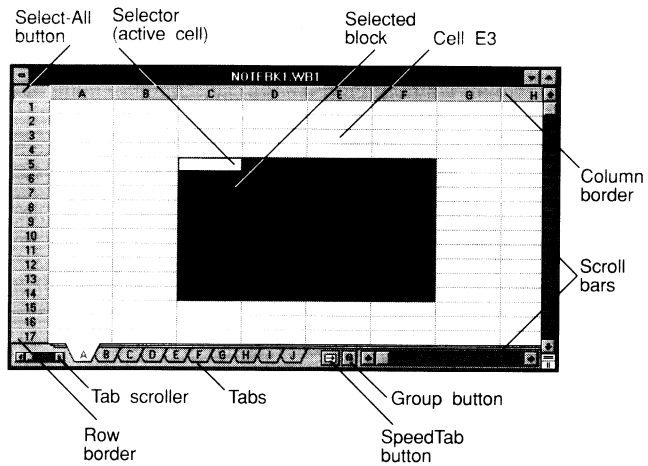
# Screen areas

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## Application window

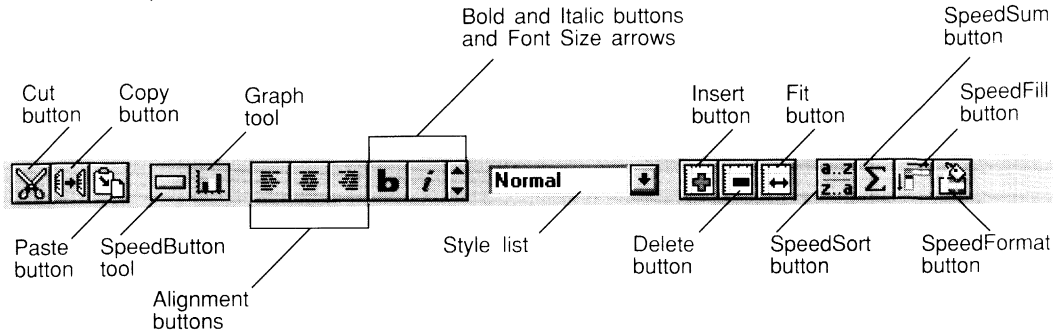


## Notebook window










# SpeedBars

## Notebook SpeedBar



The SpeedBar changes depending on the active window and on what you’re doing. When you’re entering or editing cell contents, the SpeedButton and Graph tools are replaced by the @Functions and Macros buttons.

Button/tool	Description
	<b>Cut, Copy, and Paste buttons.</b> Cut, copy, and paste data and objects to and from the Windows Clipboard; shortcuts for Edit Cut, Edit Copy, and Edit Paste.
	<b>SpeedButton™ tool.</b> Creates floating buttons you can use to run macros.
	<b>Graph tool.</b> Creates floating graphs that appear above spreadsheet cells.
	<b>Alignment buttons.</b> Place cell entries left-justified, right-justified, or centered; shortcut for the Alignment property in the block Object Inspector.
	<b>Style list.</b> Specifies the style for the active block.
	<b>Bold and Italic buttons, Font Size arrows.</b> Switch bold and italic font on and off in the active block; decrease and increase the point size. These buttons are equivalent to the Font property in the block Object Inspector.
	<b>Insert and Delete buttons.</b> Insert or delete blocks, rows, columns, and pages; shortcuts for Block Insert and Block Delete.



**Fit button.** Tailors a column's width to its widest cell entry; equivalent to the Auto-Width setting of the Column Width property in the block Object Inspector.



**SpeedSort™ button.** Sorts data in ascending or descending order in the active block.



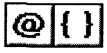
**SpeedSum™ button.** Totals values by generating @SUM functions.



**SpeedFill™ button.** Fills the selected block with entries based on the entry in its upper left cell.

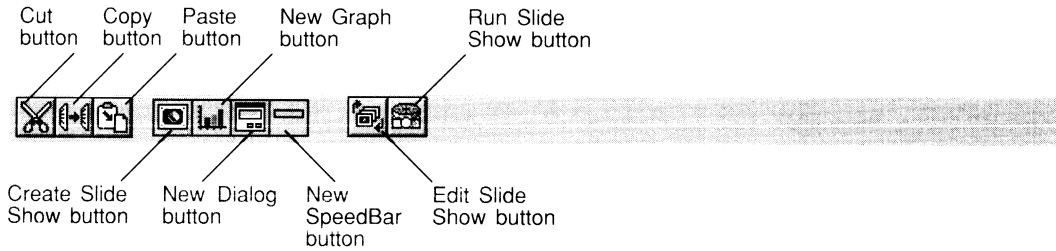


**SpeedFormat™ button.** Sets properties in various standard areas of the selected block.



**@Functions and Macros buttons.** Offer pick lists of available @functions and macro commands.

## Graphs page SpeedBar



Button/tool	Description
	<b>Cut, Copy, and Paste buttons.</b> Cut, copy, and paste data and objects to and from the Windows Clipboard; shortcuts for Edit Cut, Edit Copy, and Edit Paste.
	<b>Create Slide Show button.</b> Creates a slide show with the name you specify.
	<b>New Graph button.</b> Creates a graph in a graph window; shortcut for Graph New.
	<b>New Dialog button.</b> Creates a new dialog box; shortcut for Tools UI Builder.
	<b>New SpeedBar button.</b> Creates a new SpeedBar; shortcut for Dialog New SpeedBar.

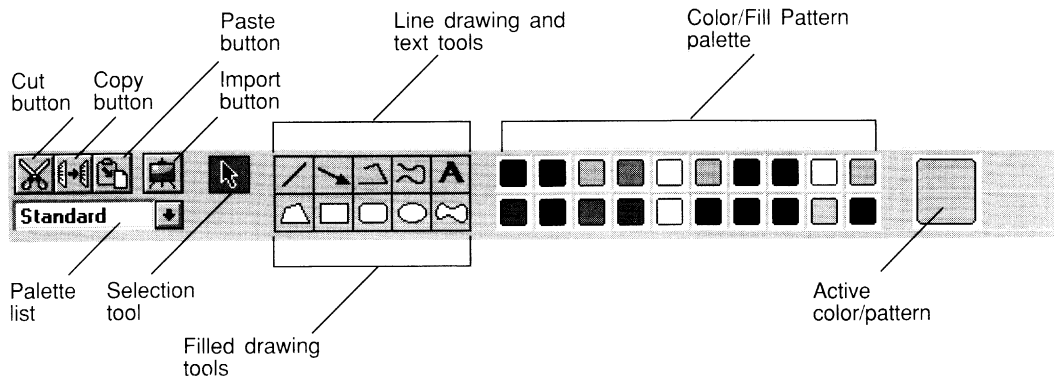


**Edit Slide Show button.** Displays the selected slide show in the Light Table, where you can change the sequence and visual effects of the slide show.



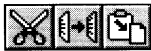
**Run Slide Show button.** Runs the selected slide show; shortcut for Graph|Slide Show.

## Graph SpeedBar



### Button/tool

### Description



**Cut, Copy, and Paste buttons.** Cut, copy, and paste objects to and from the Windows Clipboard; shortcuts for Edit|Cut, Edit|Copy, and Edit|Paste.



**Palette list.** Displays the name of the active color/fill palette; lets you choose or create a new one.



**Import button.** Helps import clip art and other graphics files.



**Selection tool.** Lets you select graph objects; switches to Selection mode when you finish using a drawing tool.



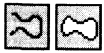
**Line and Arrow tools.** Draw straight lines anywhere on a graph; lines drawn with the Arrow tool have an arrow at the end.



**Polyline tool.** Draws lines with more than one segment.



**Polygon tool.** Creates filled shapes with straight sides.



**Freehand Polyline and Freehand Polygon tools.** Draw a line anywhere you drag the mouse; the Freehand Polygon tool draws filled shapes.



**Rectangle, Rounded Rectangle, and Ellipse tools.** Create filled shapes within a rectangular area.

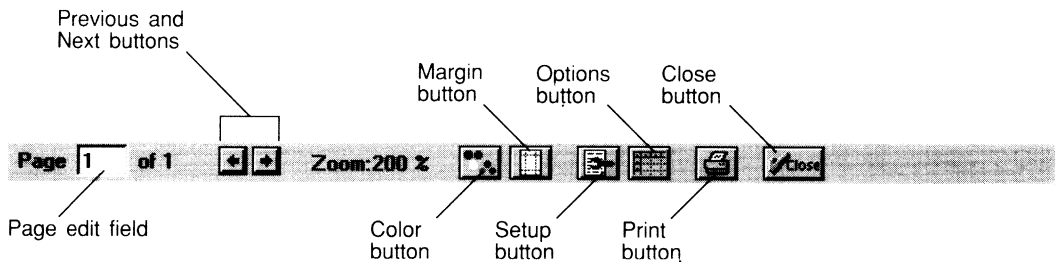


**Text tool.** Creates text boxes.



**Active Color/Pattern box.** The palette offers 20 color/pattern choices; the Active Color/Pattern box to the right shows the current selections for fill color, background color, fill style, and border color.

## Print Preview SpeedBar



Button/tool	Description
	<b>Previous and Next buttons.</b> Move to the preceding or following page. To change the preview to a specific page, enter the page number in the Page edit field.
	<b>Color button.</b> Toggles the previewed document between color and black-and-white palettes.
	<b>Margin button.</b> Overlays dashed lines on the previewed page to show margins; drag the lines to adjust margins (shown on the status line).
	<b>Setup button.</b> Like choosing File Page Setup; returns to the preview after any changes have been made, and displays the new settings.
	<b>Options button.</b> Like File Print Options; returns to the preview after any changes have been made, and displays the new settings.



**Print button.** Prints the data as it appears in the preview.

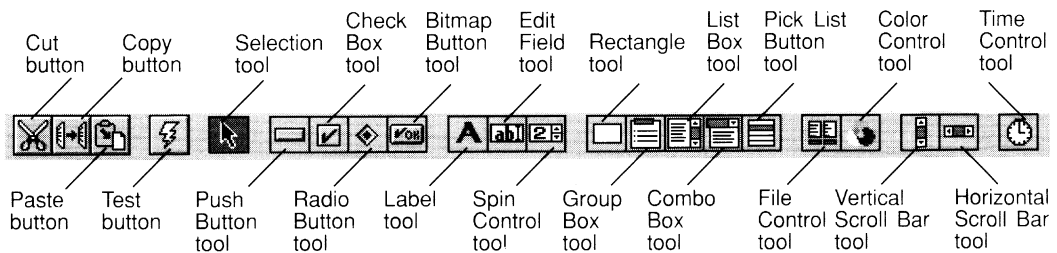


**Close button.** Closes the preview window.

### Special Print Preview keys

Key	Effect
<i>Esc</i>	Exits the preview.
<i>F1</i>	Displays online help.
<i>PgUp</i>	Displays the previous page.
<i>PgDn</i>	Displays the next page.
<i>+</i>	Zooms in a level, increasing detail.
<i>-</i>	Zooms out a level, decreasing detail.
<i>↑</i>	Scrolls the zoomed display up.
<i>↓</i>	Scrolls the zoomed display down.
<i>→</i>	Scrolls the zoomed display right.
<i>←</i>	Scrolls the zoomed display left.
<i>Home</i>	Displays the top left of a zoomed page.
<i>End</i>	Displays the bottom right of a zoomed page.

## Dialog SpeedBar



Button/tool	Description
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**Cut, Copy, and Paste buttons.** Cut, copy, and paste objects to and from the Windows Clipboard; shortcuts for Edit|Cut, Edit|Copy, and Edit|Paste.



**Test button.** Tests the operation of a dialog box (or SpeedBar).



**Selection tool.** Selects a control in the dialog window to move it, resize it, or change its properties.



**Push Button tool.** Creates push buttons, which perform a specific action when clicked.





**Check Box tool.** Creates check boxes, which present a Yes/No choice to users.



**Radio Button tool.** Creates radio buttons to give users a mutually-exclusive list.



**Bitmap Button tool.** Adds bitmap buttons, with graphic images instead of text.



**Label tool.** Adds labels to clarify what a specific control does.



**Edit Field tool.** Adds edit fields for entering specific information.



**Spin Control tool.** Adds spin controls, which let users click an arrow to increase or decrease the displayed value.



**Rectangle tool.** Creates rectangles to embellish dialog boxes or group controls together.



**Group Box tool.** Adds group boxes, which usually contain other controls such as radio buttons or check boxes.



**List Box tool.** Adds list boxes, which offer lists of items to choose from.



**Combo Box tool.** Creates list boxes that allow cumulative item selection; users can add items to the list.



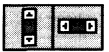
**Pick List tool.** Creates buttons that displays a list of choices when users point to it and click the left mouse button.



**File Control tool.** Creates buttons that display a list of files on disk.



**Color Control tool.** Adds color controls that let users change color settings.



**Scroll Bar tools.** Add vertical and horizontal scroll bars, which let users pick a value from a fixed range of values.



**Time Control tool.** Adds time controls, which show the current time or run link commands at certain times and regular intervals.

## Object Inspector menus

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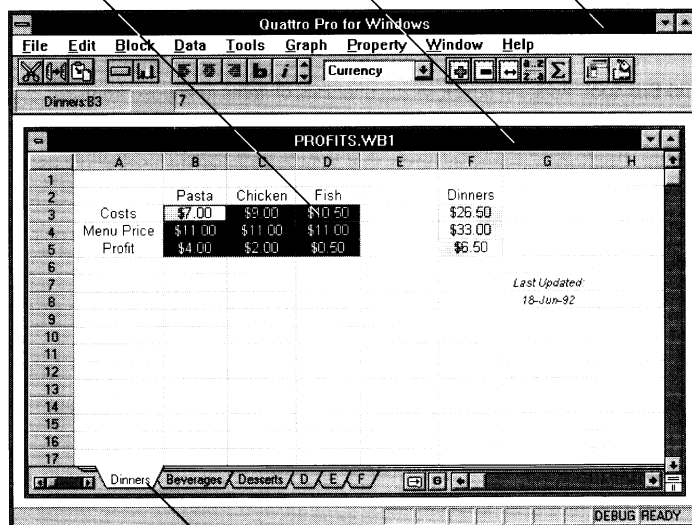
To display Object Inspector menus, select an object and right-click the mouse or choose Property on the menu bar. Each set of properties applies to the active object—the notebook, page, block, graph, and so on. The Application properties apply to the entire program.

### Where to access spreadsheet properties

Right-click Quattro Pro's title bar to change application properties

Right-click a notebook's title bar to change its properties

Right-click anywhere in this selected block to change its properties



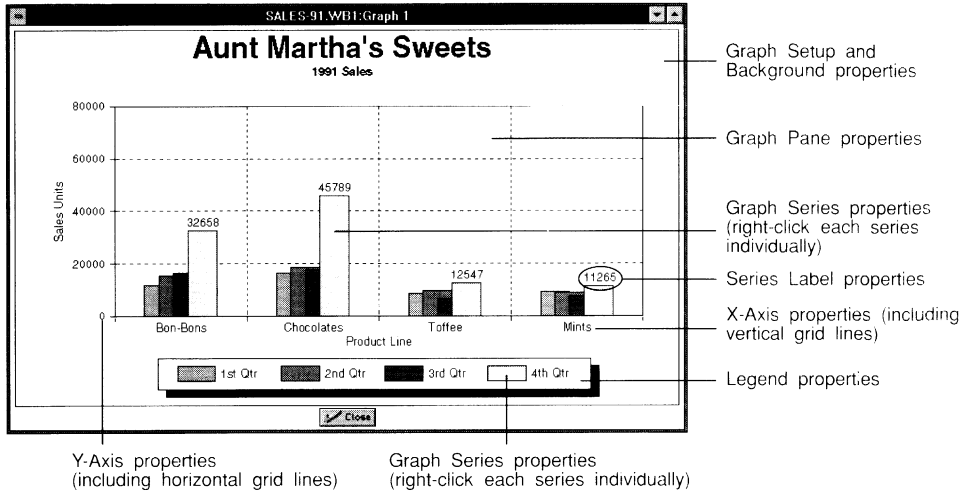
Right-click a page's tab to change its properties

## Spreadsheet property summaries

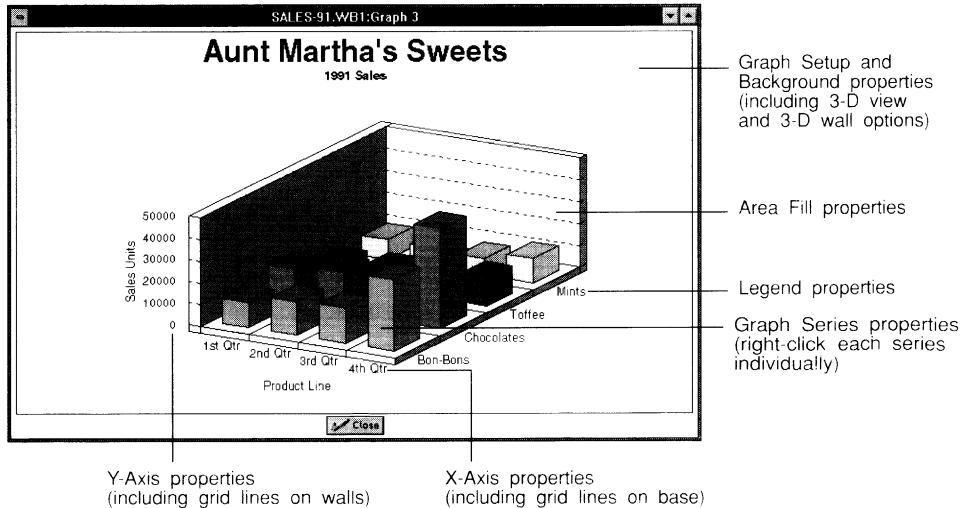
<b>Application properties</b>	<b>Action</b>
Display	Sets clock display options; toggles display of SpeedBars, input line, and status line; switches between page-range syntax schemes.
International Startup	Sets standards for displaying currency, punctuation, dates, times, and international characters. Changes default settings: directory, autoload file, file-name extension, startup macro, and whether Quattro Pro beeps when you make an error; enables or disables Edit Undo.
Macro SpeedBar	Controls macro redrawing and use of alternate menu systems. Displays alternate SpeedBars.
<b>Notebook properties</b>	<b>Action</b>
Recalc Settings	Determines how Quattro Pro updates formula values: in the "background" (default), automatically, or manually; changes the order in which Quattro Pro recalculates data and determines the number of iterations for circular references.
Zoom Factor	Rescales the screen display (25% – 200%) so more or less data displays onscreen.
Palette	Changes the color palette Quattro Pro uses for notebook objects.
Display	Toggles display of scroll bars and page tabs.
Macro Library	Lets you specify the active notebook as a macro library.
<b>Page properties</b>	<b>Action</b>
Name	Adds and edits page names.
Protection	Enables and disables write-protection.
Line Color	Sets the color of drawn lines.
Conditional Color	Changes the display color of specific types of data based on values.
Label Alignment	Determines global alignment of labels when entered—left (default), right, or centered.
Display Zeros	Displays (default) or hides any value that equals exactly zero.
Default Width	Sets the default column width (default = 9 characters).
Borders	Hides and displays the row and column headers.
Grid Lines	Hides and displays the horizontal and vertical spreadsheet grid lines.
<b>Block properties</b>	<b>Action</b>
Numeric Format	Changes the format of numeric data.
Font	Sets the font and point size for text in the block.
Shading	Specifies background color blend and shading pattern.
Alignment	Aligns data left, right, or center.
Line Drawing	Draws lines around cells or blocks.
Protection	Prevents cells and blocks from being edited.
Text Color	Determines the color of text in the block.
Data Entry Input	Forces a block to accept only labels or only dates.
Row Height	Sets the height of rows in the block.
Column Width	Sets the width of columns in the block.
Reveal/Hide	Displays and hides the selected row(s) and/or column(s).

## Where to access graph properties

Right-click these areas to display Object Inspector menus for 2-D graphs with axes.



Right-click these areas to display Object Inspector menus for 3-D graphs with axes.



The following table describes how to create and modify graph elements using the Graph menu and Object Inspector menus.

<b>Graphic element</b>	<b>How to create and modify</b>
Graph type	<i>To change:</i> Graph Type or [Graph Setup and Background Properties] Graph Type.
Title/subtitle	<i>To create:</i> Choose Graph Titles. <i>To edit:</i> Choose Graph Titles or right-click the title and subtitle. <i>To add a border:</i> Click the title to reveal title box borders, then right-click an area without text to display the text box Object Inspector.
Data series	<i>To define:</i> Choose Graph New or Graph Series. <i>To edit:</i> Right-click a series marker (line, bar, or area) in the graph or legend. For pie and column graphs, right-click the slice or section you want to modify.
Series labels	<i>To create:</i> Right-click a series marker (line, bar, or area), choose Series Options Label series, then enter the block that contains the labels. <i>To edit:</i> Right-click any label to display its properties.
Graph setup and background	<i>To edit:</i> Right-click the background, or choose Property Graph Setup.
Graph pane (2-D graphs)	<i>To edit:</i> Right-click any part of the area between the axes (except series markers), or choose Property Graph Pane. Note: horizontal grid lines are part of the y-axis; vertical grid lines are part of the x-axis.
Graph walls, base (3-D graphs)	<i>To change fill and border properties:</i> Right-click the base or a wall. <i>To toggle wall and base display:</i> Right-click the graph background or choose Property Graph Object, then choose 3-D Options.
Legend	<i>To display:</i> Either (1) define a legend series in the Graph New or Graph Series dialog box, (2) enter a label in the Series Options Legend input box of the series Object Inspector, or (3) choose a horizontal or vertical legend in the graph setup Object Inspector. <i>To edit:</i> Right-click the legend box (except a series marker) to list its properties.
Y-axis	<i>To edit properties:</i> Right-click the y-axis, or choose Property Y-axis. <i>To hide:</i> Uncheck the Graph Pane Properties Show Border Left border option (tick marks, labels, and grids are unaffected; use the Y-axis Tick and Grids options to hide these).
Y-axis titles	<i>To create:</i> Choose Graph Title. <i>To edit properties:</i> Right-click the title. <i>To edit text:</i> Use Graph Titles or the title Object Inspector. <i>To show scale values</i> in units such as thousands and add a title to the axis "(Thousands)": Check [Y-Axis Properties] Scale Show Units.
X-axis	<i>To edit:</i> Right-click the x-axis or choose Property X-axis. <i>To define x-axis labels:</i> Use Graph New or Graph Series, or right-click the x-axis.
X-axis titles	<i>To create:</i> Choose Graph Titles. <i>To edit properties:</i> Right-click axis title text. <i>To edit text:</i> Choose Graph Titles or right-click the axis title.

## Dialog properties

Some Dialog properties are common to most dialog elements. The following table lists these common properties. For dialog building details, see *Building Spreadsheet Applications*.

<b>Common Dialog properties</b>	<b>Action</b>
Hidden	Specifies whether the element appears when the dialog box initially appears.
Help line	A brief description that appears at the bottom of the Quattro Pro window when the element is chosen by the user.
Object ID	Used to identify the element. It can be used when creating dialog links and in macro statements.
Name	Used to identify the element. It can also be used when creating dialog links and in macros.
Grayed	Specifies whether the element can be chosen when the dialog box displays. When set to Yes, the element appears dimmer to indicate it's unavailable.
Disabled	Behaves like Grayed, but doesn't dim the control.
Depend On	Specifies the areas of Quattro Pro in which the element appears when the dialog box displays. For example, some elements are only appropriate in a graph window. Depend On can be set to Desktop, Notebook, Graph, Dialog, Formula Bar, or SpeedBar.
Dimension	Specifies the exact size and position of the element.
Terminate Dialog	Found in controls with input boxes, this property specifies whether pressing <i>Enter</i> in the control should also close the dialog box as if OK were chosen. The default is Yes.
Position Adjust	Specifies how an element moves when the dialog box containing it is resized.
Process Value	Setting this property to Yes lets the macro command {DODIALOG} pass and return the element's value.
Tab Stop	Determines whether the element can be activated by <i>Tab</i> .

# Menus

## File commands

<b>New</b>
Open...
Close
Save
Save As...
Retrieve...
Save All
Close All
Print Preview
Page Setup...
Print...
Printer Setup...
Named Settings...
Workspace ▶
Exit

Print commands: *Users Guide*, Chapter 7

Other commands: *Users Guide*, Chapter 5

## Edit commands

Cut	Shift+Del
Copy	Ctrl+Ins
Paste	Shift+Ins
Clear	
Clear Contents	Del
Paste Link	
Paste Special...	
Paste Format...	
Goto...	F5
Search and Replace...	
Define Style...	
Insert Object...	

*Users Guide*, Chapters 3 and 11

## Block commands

<b>Move...</b>
Copy...
Insert ▶
Delete ▶
Fill...
Names ▶
Transpose...
Values...
Reformat...
Move Pages...
Insert Break
Object Order ▶

*Users Guide*, Chapters 3 and 11

## Data commands

<b>Sort...</b>
Query...
Restrict Input...
Parse...
What-If...
Frequency...
Database Desktop...

*Users Guide*, Chapters 13 and 14

## Tools commands

<b>Macro</b>
Define Group...
Combine...
Extract...
Import...
Update Links ▶
Advanced Math ▶
Optimizer...
Solve For...
UI Builder

Macros and UI Builder: *Building Spreadsheet Applications*

Define Group, Combine, Extract: *Users Guide*, Chapter 11

Import: *Users Guide*, Chapter 15

Update Links: *Users Guide*, Chapter 12

Advanced Math, Optimizer, Solve For:

*Users Guide*, Chapter 14

## Dialog commands

<b>Connect...</b>
Links...
Align ▶
Order ▶
New SpeedBar
Open SpeedBar...
Save SpeedBar
Save SpeedBar As...
Close SpeedBar

*Building Spreadsheet Applications*

## Graph commands

<b>Type...</b>
Series...
Titles...
New...
Edit...
Delete...
Copy...
View
Slide Show...

*Users Guide*, Chapters 8, 9, 10

## Draw commands

<b>Group</b>
Ungroup
Bring Forward
Send Backward
Bring to Front
Send to Back
Align ▶
Import...
Export...

*Users Guide*, Chapter 10

## Property commands (spreadsheet)

<b>Current Object...</b>
Application
Active Notebook
Active Page

*Users Guide*, Chapters 4 and 16

## Window commands

<b>New View</b>
Tile
Cascade
Arrange Icons
Hide
Show...
Panes...
Locked Titles...
√ 1 NOTEBK2.WB1

*Users Guide*, Chapter 6

## Help commands

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Screen Areas	
Keyboard	
Functions	
Macros	
Support Info	
About Quattro Pro...	

*Users Guide*, Chapter 1

## Special keys in Quattro Pro

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The following table describes the effects of special keys in Quattro Pro. See Appendix A in the *User's Guide* for a description of other key effects and mode indicators. The keyboard template summarizes the actions of function keys.

Key	Description
<i>Backspace</i>	Erases the character to the left of the cursor.
<i>Caps Lock</i>	Enters Caps mode, in which all letters you type are displayed in uppercase letters. Press again to exit Caps mode.
<i>Ctrl+Backspace</i>	Clears an existing entry in a dialog box, or on the input line in Edit mode.
<i>Ctrl+Break</i>	Exits from a menu and returns to the notebook's Ready mode. If pressed while a macro is executing, terminates the macro.
<i>Del</i>	Erases the contents (but not properties) of the current cell or selected block. To delete contents and properties, use Edit Clear.
<i>Ctrl+Del</i>	In Group mode, acts like <i>Del</i> , but "drills" the deletion through the group (deletes the selected cell, block, or object on all grouped pages).
<i>/</i> (Slash)	Activates the active menu system, set with the Slash Key option of the Macro property in the application Object Inspector.
<i>\</i> (Backslash)	Lets you enter one or more characters to repeat across an entire cell width.
<i>Enter</i>	In the notebook, writes the entry on the input line into the current cell and returns to Ready mode. In a menu, choice list, or dialog box, chooses the highlighted item.
<i>Esc</i>	Cancel whatever you are doing. For example, it can back you out of a menu, exit a dialog box, or erase any changes you made to an entry on the input line.
<i>Num Lock</i>	Toggles performance of the numeric keypad keys. When you first press <i>Num Lock</i> , the NUM indicator displays and you can use the keypad for entering numbers. When you press it again you can use these keys as direction keys.
<i>Pause</i>	Enters macro Debug mode (works like <i>Shift+F2</i> ).
<i>Scroll Lock</i>	Toggles performance of the arrow keys. When you first press <i>Scroll Lock</i> , the SCR indicator displays and the arrow keys scroll the contents of the active window without moving the selector. When you press it again you can move the selector with the arrow keys.
<i>Ctrl+Shift+PgDn</i> or <i>PgUp</i>	Selects multiple pages.
<i>↑</i> or <i>↓</i>	In a dialog box edit field, enters Point mode.
<i>Tab</i> or <i>Ctrl →</i>	In the notebook, moves right one screen. In a dialog box, <i>Tab</i> moves between controls. In a graph window, <i>Tab</i> inserts a tab space in text boxes; use <i>Ctrl+Tab</i> to select the next object.
<i>Shift+Tab</i> or <i>Ctrl ←</i>	In the notebook, moves left one screen. In a dialog box, moves to the previous control. In a graph window, <i>Shift+Tab</i> moves to the start of the current word in a text box; use <i>Ctrl+Shift+Tab</i> to select the previous object.
<i>Ctrl+Shift+D</i>	Press this key combination before entering a date.
<i>Ctrl+PgUp</i> or <i>PgDn</i>	Moves from one page to the next or previous page; in an Object Inspector or dialog box with multiple settings, changes panes (groups of property options).



## @Function commands

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### Mathematical @function

### Returns

@ABS( <i>X</i> )	The absolute value of <i>X</i>
@ACOS( <i>X</i> )	The arc cosine of <i>X</i>
@ASIN( <i>X</i> )	The arc sine of <i>X</i>
@ATAN( <i>X</i> )	The arc tangent of <i>X</i> (2 quadrant)
@ATAN2( <i>X</i> , <i>Y</i> )	The arc tangent of <i>Y/X</i> (4 quadrant)
@COS( <i>X</i> )	The cosine of angle <i>X</i>
@DEGREES( <i>X</i> )	The number of degrees in <i>X</i> radians
@EXP( <i>X</i> )	<i>e</i> raised to the <i>X</i> th power
@INT( <i>X</i> )	The integer portion of <i>X</i>
@LN( <i>X</i> )	The Log base <i>e</i> of <i>X</i>
@LOG( <i>X</i> )	The Log base 10 of <i>X</i>
@MOD( <i>X</i> , <i>Y</i> )	The remainder of <i>X/Y</i>
@PI	The value $\pi$ (3.14159..)
@RADIANS( <i>X</i> )	The number of radians in <i>X</i> degrees
@RAND	A random number between 0 and 1
@ROUND( <i>X</i> , <i>Num</i> )	<i>X</i> rounded to the number of digits specified with <i>Num</i> (up to 15)
@SIN( <i>X</i> )	The sine of angle <i>X</i>
@SQRT( <i>X</i> )	The positive square root of <i>X</i>
@TAN( <i>X</i> )	The tangent of angle <i>X</i>

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### Statistical @function

### Returns

@AVG( <i>List</i> )	The average of <i>List</i>
@COUNT( <i>List</i> )	A value equal to the number of non-blank cells in <i>List</i>
@MAX( <i>List</i> )	The maximum value in <i>List</i>
@MIN( <i>List</i> )	The minimum value in <i>List</i>
@STD( <i>List</i> )	The population standard deviation of all non-blank values in <i>List</i>
@STDS( <i>List</i> )	The sample standard deviation of all non-blank values in <i>List</i>
@SUM( <i>List</i> )	The sum of values in <i>List</i>
@SUMPRODUCT( <i>Block1</i> , <i>Block2</i> )	The dot (scalar) product of the vectors corresponding to the blocks
@VAR( <i>List</i> )	The population variance of all non-blank values in <i>List</i>
@VARS( <i>List</i> )	The sample variance of all non-blank values in <i>List</i>

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Database @function	Returns
@DAVG( <i>Block, Column, Criteria</i> )	Average values in <i>Column</i> of <i>Block</i> that meet <i>Criteria</i>
@DCOUNT( <i>Block, Column, Criteria</i> )	Number of values in <i>Column</i> of <i>Block</i> that meet <i>Criteria</i>
@DMAX( <i>Block, Column, Criteria</i> )	Maximum value in <i>Column</i> of <i>Block</i> that meets <i>Criteria</i>
@DMIN( <i>Block, Column, Criteria</i> )	Minimum value in <i>Column</i> of <i>Block</i> that meets <i>Criteria</i>
@DSTD( <i>Block, Column, Criteria</i> )	The population standard deviation of values in <i>Column</i> of <i>Block</i> that meets <i>Criteria</i>
@DSTDS( <i>Block, Column, Criteria</i> )	The sample standard deviation of values in <i>Column</i> of <i>Block</i> that meets <i>Criteria</i>
@DSUM( <i>Block, Column, Criteria</i> )	Sum of values in <i>Column</i> of <i>Block</i> that meets <i>Criteria</i>
@DVAR( <i>Block, Column, Criteria</i> )	The population variance of values in <i>Column</i> of <i>Block</i> that meets <i>Criteria</i>
@DVARs( <i>Block, Column, Criteria</i> )	The sample variance of values in <i>Column</i> of <i>Block</i> that meets <i>Criteria</i>

String @function	Returns
@CHAR( <i>Code</i> )	The character for ANSI decimal code number <i>Code</i>
@CLEAN( <i>String</i> )	The nonprintable ANSI codes from <i>String</i>
@CODE( <i>String</i> )	The ANSI code for the first character in <i>String</i>
@EXACT( <i>String1, String2</i> )	1 if <i>String1</i> and <i>String2</i> are identical; otherwise, 0
@FIND( <i>SubString, String, StartNumber</i> )	The character position of the first <i>SubString</i> found in <i>String</i>
@HEXTONUM( <i>String</i> )	The decimal value of hex string <i>String</i>
@LEFT( <i>String, Num</i> )	The first <i>Num</i> characters in <i>String</i>
@LENGTH( <i>String</i> )	The number of characters in <i>String</i>
@LOWER( <i>String</i> )	The lowercase value of <i>String</i>
@MID( <i>String, StartNumber, Num</i> )	<i>Num</i> characters of <i>String</i> , beginning with the <i>StartNumber</i> character position
@N( <i>Block</i> )	The numeric value of the upper left cell in <i>Block</i> (0 if it's a label)
@NUMTOHEX( <i>X</i> )	The hexadecimal value of <i>X</i>
@PROPER( <i>String</i> )	The text in <i>String</i> with the first letter in each word capitalized
@REPEAT( <i>String, Num</i> )	<i>String</i> , repeated <i>Num</i> times
@REPLACE( <i>String, StartNum, Num, NewString</i> )	Removes <i>Num</i> characters from <i>String</i> , beginning with <i>StartNum</i> , then inserts <i>NewString</i> in its place
@RIGHT( <i>String, Num</i> )	The last <i>Num</i> characters in <i>String</i>
@S( <i>Block</i> )	The string value of the upper left cell in <i>Block</i> (0 if it's a value entry)
@STRING( <i>X, Num</i> )	Numeric value of <i>X</i> as a string, with <i>Num</i> decimal places
@TRIM( <i>String</i> )	<i>String</i> without leading, trailing, or consecutive spaces
@UPPER( <i>String</i> )	<i>String</i> in uppercase characters
@VALUE( <i>String</i> )	Numeric value of <i>String</i>

## Miscellaneous @function

@@(*Cell*)  
@CELL(*Attribute,Block*)  
@CELLINDEX(*Attribute,Block,Column,Row,<Page>*)  
@CELLPOINTER(*Attribute*)  
@CHOOSE(*Number,List*)  
@COLS(*Block*)  
@COMMAND(*CommandEquivalent*)  
@CURVALUE(*GeneralAction,SpecificAction*)  
@DDELINK([*AppName* | *Topic*]  
"DataToReceive",  
<*nCols*>, <*nRows*>, <*nSheets*>)  
@ERR  
@HLOOKUP(*X,Block,Row*)  
@INDEX(*Block,Column,Row,<Page>*)  
@MEMAVAIL  
@MEMEMSAVAIL  
@NA  
@PROPERTY(*ObjectName.Property*)  
@ROWS(*Block*)  
@SHEETS(*Block*)  
@VERSION  
@VLOOKUP(*X,Block,Column*)

## Returns

The contents of the cell specified by cell address label in *Cell*  
The requested attribute of *Block*  
The requested attribute of the cell in the offset position of *Block*  
The requested attribute of the current cell  
The value in *List* in the position of *Number*  
The number of columns in *Block*  
The current setting of the given Quattro Pro for Windows command equivalent  
The current value of the given Quattro Pro for DOS menu equivalent  
The requested data from the specified application and DDE topic, retrieved to a block whose top-left cell is the one containing @DDELINK; optional arguments limit the size of the data block, otherwise the block remains its original size  
The value ERR (error)  
The contents of the cell *Row* number of rows beneath *X* in the index row of *Block*  
The contents of the cell located at the specified column and row in *Block*  
The amount of conventional memory currently available  
The amount of expanded (EMS) memory currently available  
The value of NA (Not Available)  
The current value of the given property  
The number of rows in *Block*  
The number of pages in *Block*  
The version number of Quattro Pro  
The contents of the cell *Column* number of columns to the right of *X* in *Block*

## Logical @function

@FALSE  
@FILEEXISTS(*FileName*)  
@IF(*Cond,TrueExpr,FalseExpr*)  
@ISERR(*X*)  
@ISNA(*X*)  
@ISNUMBER(*X*)  
@ISSTRING(*X*)  
@TRUE

## Returns

The logical value 0  
1 if the *FileName* exists; otherwise, 0  
*TrueExpr* if *Cond* is true, *FalseExpr* if *Cond* is false  
1 if *X* is ERR; otherwise, 0  
1 if *X* is NA; otherwise, 0  
1 if *X* is a numeric value; otherwise, 0  
1 if *X* is a string; otherwise, 0  
The logical value 1

**Financial @function**

@CTERM(*Rate, Fv, Pv*)  
 @DDB(*Cost, Salvage, Life, Period*)  
 @FV(*Pmt, Rate, Nper*)  
 @FVAL(*Rate, Nper, Pmt, <Pv>, <Type>*)  
 @IPAYMT(*Rate, Per, Nper, Pv, <Fv>, <Type>*)  
 @IRATE(*Nper, Pmt, Pv, <Fv>, <Type>*)  
 @IRR(*Guess, Block*)  
 @NPER(*Rate, Pmt, Pv, <Fv>, <Type>*)  
 @NPV(*Rate, Block, <Type>*)  
 @PAYMT(*Rate, Nper, Pv, <Fv>, <Type>*)  
 @PMT(*Pv, Rate, Nper*)  
 @PPAYMT(*Rate, Per, Nper, Pv, <Fv>, <Type>*)  
 @PV(*Pmt, Rate, Nper*)  
 @PVAL(*Rate, Nper, Pmt, <Fv>, <Type>*)  
 @RATE(*Fv, Pv, Nper*)  
 @SLN(*Cost, Salvage, Life*)  
 @SYD(*Cost, Salvage, Life, Period*)  
 @TERM(*Pmt, Rate, Fv*)

**Returns**

The number of compounding periods (kept for backward compatibility—see @NPER)  
 Double-declining depreciation allowance  
 The future value of an annuity (kept for backward compatibility—see @FVAL)  
 The future value of an annuity  
 The portion of a payment amount for a loan that is interest  
 The periodic interest rate  
 The internal rate of return  
 The number of periods  
 The present value of future cash flow  
 The payment amount for a loan  
 The payment amount for a loan (kept for backward compatibility—see @PAYMT)  
 The portion of a loan payment amount that is principal  
 The present value of an annuity (kept for backward compatibility—see @PVAL)  
 The present value of an annuity  
 The periodic interest rate (kept for backward compatibility—see @IRATE)  
 Straight-line depreciation allowance  
 Sum-of-the-years'-digits' depreciation allowance of an asset  
 The number of payment periods of an investment (kept for backward compatibility—see @NPER)

**Date and Time @function**

@DATE(*Yr, Mo, Day*)  
 @DATEVALUE(*DateString*)  
 @DAY(*DateTimeNumber*)  
 @HOUR(*DateTimeNumber*)  
 @MINUTE(*DateTimeNumber*)  
 @MONTH(*DateTimeNumber*)  
 @NOW  
 @SECOND(*DateTimeNumber*)  
 @TIME(*Hr, Min, Sec*)  
 @TIMEVALUE(*TimeString*)  
 @TODAY  
 @YEAR(*DateTimeNumber*)

**Returns**

A date serial number  
 A date serial number  
 The day of the month (1-31)  
 The hour of the day (0-23)  
 The minute of the hour (0-59)  
 A month number (1-12)  
 The current date/time serial number  
 A second number (0-59)  
 A time serial number  
 A time serial number  
 The current date serial number  
 A year number (-300 to 1299)

## Macro commands listed by category

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Key category	Keyboard command	Description
Status	{CAPOFF}	<i>Caps Lock off</i>
	{CAPON}	<i>Caps Lock on</i>
	{INS} or {INSERT}	<i>Toggles Ins on/off</i>
	{INSOFF}	<i>Ins off</i>
	{INSON}	<i>Ins on</i>
	{NUMOFF}	<i>Num Lock off</i>
	{NUMON}	<i>Num Lock on</i>
	{SCROLLOFF}	<i>Scroll Lock off</i>
	{SCROLLON}	<i>Scroll Lock on</i>
Function	{ABS}	<i>F4</i>
	{CALC}	<i>F9</i>
	{EDIT}	<i>F2</i>
	{FUNCTIONS}	<i>Alt+F3</i>
	{GRAPH}	<i>F11</i>
	{GRAPHPAGEGOTO}	<i>Shift+F5</i>
	{HELP}	<i>F1</i>
	{INSPECT}	<i>F12</i>
	{MACROS}	<i>Shift+F3</i>
	{MARK}	<i>Shift+F7</i>
	{MENU}	<i>F10</i>
	{NAME}	<i>F3</i>
	{NEXTPANE}	<i>F6</i>
	{NEXTTOPWIN}, {NEXTWIN}	<i>Ctrl+F6, Shift+F6</i>
	{QGOTO}	<i>F5</i>
	{QUERY}	<i>F7</i>
	{STEPON}, {STEPOFF}	<i>Shift+F2</i>
{TABLE}	<i>F8</i>	
Cursor-movement	{HOME}	<i>Home</i>
	{END}	<i>End</i>
	{LEFT <Number>} or {L <Number>}	<i>←</i>
	{RIGHT <Number>} or {R <Number>}	<i>→</i>
	{UP <Number>} or {U <Number>}	<i>↑</i>
	{DOWN <Number>} or {D <Number>}	<i>↓</i>
	{PGUP <Number>}, {PGDN <Number>}	<i>PgUp, PgDn</i>
	{BIGLEFT <Number>} or {BACKTAB <Number>}	<i>Ctrl ← or Shift+Tab</i>
	{BIGRIGHT <Number>} or {TAB <Number>}	<i>Ctrl → or Tab</i>
Other	{ALT+Key <Number>}	<i>The keystroke Key while Alt is held down</i>
	{BACKSPACE <Number>} or {BS <Number>}	<i>Backspace</i>
	{BREAK}	<i>Returns Quattro Pro to Ready mode</i>
	{CLEAR}	<i>Ctrl+Backspace (Clears any existing entry from a prompt line or from the input line in Edit mode)</i>
	{CR} or ~	<i>Enter</i>

Key category	Keyboard command	Description
Other (cont'd.)	{CTRL+Key <Number>} {DATE} {DEL} or {DELETE} {ESC} or {ESCAPE} {SHIFT+Key <Number>}	The keystroke <i>Key</i> while <i>Ctrl</i> is held down <i>Ctrl+Shift+D</i> <i>Del</i> <i>Esc</i> The keystroke <i>Key</i> while <i>Shift</i> is held down
Screen command	Description	
{BEEP <Number>}	Sounds the computer's bell	
{INDICATE <i>String</i> }	Sets the mode indicator to display <i>String</i>	
{PANELOFF}	Freezes current appearance of menus, SpeedBar, dialog boxes, and status line	
{PANELON}	Restores operation of objects previously disabled by {PANELOFF}	
{WINDOWSOFF}	Prevents screen updating	
{WINDOWSON}	Restores screen updating disabled by {WINDOWSOFF}	
{ZOOM}	Maximizes and restores the active window	
Interactive command	Description	
{ ? }	Pauses the macro and accepts input from the keyboard until you press <i>Enter</i>	
{ACTIVATE <i>WindowName</i> }	Makes the window specified by the string <i>WindowName</i> active	
{BREAKOFF}	Disables the <i>Ctrl+Break</i> key used to abort a macro	
{BREAKON}	Restores the <i>Ctrl+Break</i> key disabled by {BREAKOFF}	
{CHOOSE}	Displays a pick list of open windows	
{DIALOG <i>DialogName</i> , <i>OKExit?</i> , < <i>Arguments</i> >, < <i>MacUse?</i> >}	Displays the dialog box <i>DialogName</i> for use	
{GET <i>Location</i> }	Pauses the macro, accepts one keystroke, and stores it in <i>Location</i>	
{GETLABEL <i>Prompt</i> , <i>Location</i> }	Pauses the macro, displays <i>Prompt</i> , and stores the subsequent keystrokes as a label in <i>Location</i>	
{GETNUMBER <i>Prompt</i> , <i>Location</i> }	Pauses the macro, displays <i>Prompt</i> , and stores the subsequent keystrokes as a numeric value in <i>Location</i>	
{GOTO}	Moves the selector to a specified location	
{GRAPHCHAR <i>Location</i> }	Stores the character a user presses to leave a graph or message in <i>Location</i>	
{IFKEY <i>String</i> }	If <i>String</i> is the macro name for any key macro command, executes the macro in the same cell; otherwise skips to the next cell	
{LOOK <i>Location</i> }	Places the first keystroke typed in <i>Location</i>	
{MENUBRANCH <i>Location</i> }	Passes macro control to a custom menu at <i>Location</i>	
{MENUCALL <i>Location</i> }	Pauses the macro, and executes a customized menu as a subroutine	
{MESSAGE <i>Block</i> , <i>Left</i> , <i>Top</i> , <i>Time</i> }	Displays contents of block in a pop-up window for <i>Time</i> seconds	
{PAUSEMACRO}	Puts a displayed dialog box under user control until <i>Enter</i> is pressed, then resumes macro	
{STEPOFF}	Exits Debug mode, executing the macro at normal pace	
{STEPON}	Enters Debug mode, in which Quattro Pro executes the macro step by step, advancing when you press the spacebar	
{UNDO}	"Takes back" the last command; cancels its effects	
{WAIT <i>DateTimeNumber</i> }	Pauses the macro until the time specified in <i>DateTimeNumber</i> arrives	
{WINDOW}, {WINDOW< <i>Number</i> >}	Makes the next pane active; makes window <i>Number</i> active	

Program Flow command	Description
{BRANCH <i>Location</i> }	Passes execution control to another macro at <i>Location</i>
{DEFINE <i>Location1</i> <:Type1,...>}	Defines the type of arguments passed to a subroutine and tells where to store them
{DISPATCH <i>Location</i> }	Branches indirectly or directly to an alternate macro branch
{FOR <i>CounterLoc</i> , <i>Start</i> #, <i>Stop</i> #, <i>Step</i> #, <i>StartLoc</i> }	Executes a subroutine the specified number of times
{FORBREAK}	Terminates execution of a {FOR} command
{IF <i>Condition</i> }	If <i>Condition</i> is true, executes the macro in the same cell; otherwise skips to the next cell
{ONERROR <i>BranchLocation</i> , < <i>MessageLocation</i> >, < <i>ErrorLocation</i> >}	Continues execution at a specified location after Quattro Pro detects an error
{QUIT}	Terminates macro execution and returns keyboard control
{RESTART}	Changes the current subroutine to the starting or main routine
{RETURN}	Terminates the current subroutine and returns control to main routine
{ <i>Subroutine</i> < <i>ArgumentList</i> >}	Calls the specified subroutine, and passes any given arguments

Cell command	Description
{BLANK <i>Location</i> }	Erases a cell or block
{CONTENTS <i>Dest</i> , <i>Source</i> , < <i>Width</i> >,< <i>Format</i> >}	Copies the contents of one cell to another as a formatted label
{GETDIRECTORYCONTENTS <i>Block</i> , < <i>Path</i> >}	Enters into <i>Block</i> an alphabetized list of files in the directory specified by <i>Path</i> ; if <i>Path</i> is not included, lists the current directory
{GETWINDOWLIST <i>Block</i> }	Lists open windows in <i>Block</i>
{LET <i>Location</i> , <i>Value</i> <:Type>}	Places a number or string in the given location; <i>Type</i> lets you store <i>Value</i> as a number or string
{PUT <i>Location</i> , <i>Column</i> #, <i>Row</i> #, <i>Value</i> <:Type>}	Places a number or string in a given location offset by the specified number of columns and rows; <i>Type</i> lets you store <i>Value</i> as a number or string
{PUTBLOCK <i>Value</i> <:Block>}	Stores <i>Value</i> in each cell of <i>Block</i>
{PUTCELL <i>Data</i> }	Stores <i>Data</i> in the active cell
{RECALC <i>Location</i> , < <i>Condition</i> >,< <i>Iteration</i> >}	Recalculates formulas in <i>Location</i> in rowwise order for a specified number of times, or until <i>Condition</i> is reached
{RECALCCOL <i>Location</i> , < <i>Condition</i> >,< <i>Iteration</i> >}	Recalculates formulas in <i>Location</i> in columnwise order for a specified number of times, or until <i>Condition</i> is reached
{SPEEDFILL}	Fills the selected block with sequential data
{SPEEDFORMAT <i>FmtName</i> , <i>NumFmt</i> ? (0 1), <i>Font</i> ? (0 1), <i>Shading</i> ? (0 1), <i>TextColor</i> ? (0 1), <i>Align</i> ? (0 1), <i>LineDraw</i> ? (0 1), <i>AutoWidth</i> ? (0 1), <i>ColHead</i> ? (0 1), <i>ColTotal</i> ? (0 1), <i>RowHead</i> ? (0 1), <i>RowTotal</i> ? (0 1)}	Applies a standard format to the selected block
{SPEEDSUM <i>Block</i> }	Sums filled cells in <i>Block</i> , writes results in adjacent empty cells (right/bottom)

**UI Building command**

{ADDMENU *MenuPath*,*MenuBlock*}  
 {ADDMENUITEM *MenuPath*,*ItemName*,<*Link*>,<*Hint*>,<*HotKey*>,<*DependString*>,<*Checked* (Yes|No)>}  
 {DELETEMENU *MenuPath*}  
 {DELETEMENUITEM *MenuPath*}  
 {SETMENUBAR *SystemDefinition*}

**Description**

Adds the menu *MenuBlock* to the menu system at *MenuPath*  
 Adds the menu command *ItemName* (with optional properties *Link*, *Hint*, *HotKey*, *DependString*, and *Checked*) at *MenuPath*  
 Deletes the menu *MenuPath* from the active menu system  
 Deletes the menu item *MenuPath* from the active menu system  
 Sets the active menu system

**File command**

{ANSIREAD #*Bytes*,*Location*}  
 {ANSIREADLN *Location*}  
 {ANSIWRITE *String*<,<*String2*,...>}  
 {ANSIWRITELN *String*<,<*String2*,...>}  
 {CLOSE}  
 {FILESIZE *Location*}  
 {GETPOS *Location*}  
 {OPEN *Filename*, *AccessMode*}  
 {READ #*Bytes*,*Location*}  
 {READLN *Location*}  
 {SETPOS *FilePosition*}  
 {WRITE *String*<,<*String2*,...>}  
 {WRITELN *String*<,<*String2*,...>}

**Description**

Same as {READ} without character mapping  
 Same as {READLN} without character mapping  
 Same as {WRITE} without character mapping  
 Same as {WRITELN} without character mapping  
 Closes a file opened by {OPEN}  
 Stores the size of the current file (in bytes) in *Location*  
 Places the position of the file pointer in *Location*  
 Opens a file for reading, writing, modifying, or appending  
 Reads the specified number of bytes and stores them in *Location*  
 Reads a line of characters and stores it in *Location*  
 Sets the file pointer to the value of *FilePosition*  
 Writes a string of characters to the current file  
 Writes a string of characters to the current file and ends it with a carriage return/linefeed

**DDE command**

{EXEC *AppName*, *WindowMode*<,<*ResultLoc*>}  
 {EXECUTE *DDEChannel*, *Macro*<,<*ResultLoc*>}  
 {INITIATE *AppName*, *Topic*, *ChannelLoc*}  
 {POKE *DDEChannel*, *Destination*, *DataToSend*}  
 {REQUEST *DDEChannel*, *DataToReceive*, *DestBlock*}  
 {TERMINATE *DDEChannel*}

**Description**

Executes the application *AppName*  
 Executes the macro *Macro* in a server application  
 Initiates a conversation with a DDE application  
 Sends data to a DDE application  
 Requests data from a DDE application  
 Ends a DDE conversation

**Object command**

{COLUMNWIDTH *Block*, *FirstPane?* (0|1),  
*Set/Reset/Auto* (0|1|2), *Size*} (*Size* is width in twips  
 if *Set/...* = 0; is not needed if *Set/...* = 1;  
 is Extra Characters if *Set/...* = 2)  
 {CREATEOBJECT *ObjectName*, *x1*, *y1*, *x2*,  
*y2*<,<*x3*, *y3*, ...>}  
 {FLOATCREATE *Type*, *UpperCell*, *xoffset*,  
*yoffset*, *LowerCell*, *xoffset2*,  
*yoffset2*, *Text*}  
 {FLOATMOVE *UpperCell*, *xoffset*, *yoffset*}

**Description**

Sets the width of columns in *Block*  
 Creates graph or dialog objects  
 Creates a floating graph or macro button in the active notebook window  
 Moves a floating object in the active notebook window



**Object command** (continued)**Description**

{FLOATSIZE <i>UpperCell</i> , <i>xoffset</i> , <i>yoffset</i> , <i>LowerCell</i> , <i>xoffset2</i> , <i>yoffset2</i> }	Resizes a selected floating object in the active notebook window
{GETOBJECTPROPERTY <i>Cell</i> , <i>Object</i> , <i>Property</i> }	Gets property setting from an object
{GETPROPERTY <i>Cell</i> , <i>Property</i> }	Gets property setting from the object currently selected
{MOVETO <i>x</i> , <i>y</i> }	Moves selected objects to coordinates <i>x</i> , <i>y</i>
{RESIZE <i>x</i> , <i>y</i> , <i>NewWidth</i> , <i>NewHeight</i> , < <i>VertFlip?</i> >, < <i>HorizFlip?</i> >}	Resizes selected objects in the active window
{ROWCOLSHOW <i>Block</i> , <i>Show?</i> (0 1), <i>Row</i> (1) or <i>Col</i> (0), <i>FirstPane?</i> (0 1)}	Shows or hides rows or columns in <i>Block</i>
{ROWHEIGHT <i>Block</i> , <i>FirstPane?</i> (0 1), <i>Set/Reset</i> (0 1), <i>Size</i> } ( <i>Size</i> is width in twips if <i>Set/...</i> = 0; is not needed if <i>Set/...</i> = 1)	Sets the height of rows in <i>Block</i>
{SELECTBLOCK <i>Block</i> }	Selects a contiguous or noncontiguous block within the active notebook
{SELECTFLOAT <i>ObjectID1</i> <, <i>ObjectID2</i> , ...>}	Selects floating objects in the active window using their names
{SELECTOBJECT <i>ObjectID1</i> <, <i>ObjectID2</i> , ...>}	Selects objects in active window
{SETGRAPHATTR <i>FillColor</i> , <i>BkgColor</i> , <i>FillStyle</i> , <i>BorderColor</i> , <i>BoxType</i> }	Equivalent to setting Graph Setup and Background properties (Colors are comma-separated RGB triplets in quotes)
{SETOBJECTPROPERTY <i>Object</i> , <i>Property</i> , <i>Value</i> }	Sets properties of objects
{SETPROPERTY <i>Property</i> , <i>Setting</i> }	Sets properties of the selected object

**Miscellaneous command****Description**

} or {}	Inserts a right brace, }
{{ }	Inserts a left brace, {
{~ }	Inserts a tilde (~)
{ }	Reserves space in a macro without affecting program flow
{ ; <i>String</i> }	Lets you enter explanatory remarks in a macro
{HLINE <i>Distance</i> }	Scrolls window horizontally <i>Distance</i> lines
{HPAGE <i>Distance</i> }	Scrolls window horizontally <i>Distance</i> pages
{VLIN <i>Distance</i> }	Scrolls window vertically <i>Distance</i> lines
{VPAGE <i>Distance</i> }	Scrolls window vertically <i>Distance</i> pages

For slide-show control commands, see *Slide.Options* in the following command equivalent list.

**Command equivalent****Command**

{Align.Bottom}	Dialog Align Bottom, Draw Align Bottom
{Align.Horizontal_Center}	Dialog Align Horizontal Center, Draw Align Horizontal Center
{Align.Horizontal_Space <i>Value</i> }	Dialog Align Horizontal Space
{Align.Left}	Dialog Align Left, Draw Align Left
{Align.Right}	Dialog Align Right, Draw Align Right
{Align.Top}	Dialog Align Top, Draw Align Top
{Align.Vertical_Center}	Dialog Align Vertical Center, Draw Align Vertical Center
{Align.Vertical_Space <i>Value</i> }	Dialog Align Vertical Space

## Command equivalent (continued)

Command equivalent (continued)	Command
{Application.Property}	Property Application
{Application.Display "Clock, SpeedBar, InputLine, Status, BlockSyntax"}	Property Application Display
{Application.Display.Clock_Display International None Standard}	P A Display Clock Display
{Application.Display.Range_Syntax "A..B:A1..B2"  "A:A1..B:B2"}	P A Display 3-D Syntax
{Application.Display.Show_InputLine Yes No}	P A Display Show Input Line
{Application.Display.Show_StatusLine Yes No}	P A Display Show Status Line
{Application.Display.Show_Toolbar Yes No}	P A Display Show SpeedBar
{Application.Enable_Inspection Yes No}	Property Application Enable Inspection (in /D startup mode)
{Application.International "CurSym, Currency, Placement, Negative, Punctuation, DateFmt, TimeFmt, Language, Conversion"}	Property Application International
{Application.International.Currency "Windows Default"  "Quattro Pro/Windows"}	P A International Currency
{Application.International.Currency_Symbol}	P A International Currency Symbol
{Application.International.Date_Format String}	P A International Date Format
{Application.International.LICS_Conversion Yes No}	P A International Conversion
{Application.International.Negative Signed Parenthesis}	P A International Negative Values
{Application.International.Placement Prefix Suffix}	P A International Placement
{Application.International.Punctuation "1 234,56 (a1.a2)" "1 234,56 (a1;a2)" "1 234.56 (a1,a2)" "1 234.56 (a1;a2)" "1.234,56 (a1.a2)" "1.234.56 (a1;a2)" "1.234.56 (a1;a2)" "1.234,56 (a1;a2)" "1.234,56 (a1.a2)" "Windows Default"}	P A International Punctuation
{Application.International.Sort_Table String}	P A International Language
{Application.International.Time_Format String}	P A International Time Format
{Application.Macro "MacSuppress, KeyRead, SlashKey"}	Property Application Macro
{Application.Macro.Macro_Redraw Both None Panel Window}	P A Macro Macro Suppress-Redraw
{Application.Macro.KeyReader Yes No}	P A Macro Key Reader
{Application.Macro.Slash_Key MenuName}	P A Macro Slash Key
{Application.SpeedBar SpeedBarName}	Property Application SpeedBar
{Application.Startup "StartDir, AutoFile, StartMacro, FileExt, UseBeep, UseUndo, CompatibleKeys"}	Property Application Startup
{Application.Startup.Autoload_File String}	P A Startup Autoload File
{Application.Startup.Beep Yes No}	P A Startup Use Beep
{Application.Startup.Compatible_Keys Yes No}	P A Startup Compatible Keys
{Application.Startup.File_Extension String}	P A Startup File Extension
{Application.Startup.Startup_Directory String}	P A Startup Directory
{Application.Startup.Startup_Macro String}	P A Startup Startup Macro
{Application.Startup.Undo Yes No}	P A Startup Undo Enabled
{Application.Title Title}	Property Application Title (in /D startup mode)
{BlockCopy SourceBlock, DestBlock, <ModelCopy?(0 1)>}	Block Copy
{BlockDelete.Columns Block, Entire Partial}	Block Delete Columns
{BlockDelete.Pages Block, Entire Partial}	Block Delete Pages
{BlockDelete.Rows Block, Entire Partial}	Block Delete Rows

## Command equivalent (continued)

## Command

{BlockFill.Block <i>Block</i> }	Block Fill Blocks
{BlockFill.Go}	Block Fill OK
{BlockFill.Order Column Row}	Block Fill Order
{BlockFill.Series Linear Growth Power Year  Month Week Weekday Day Hour Minute Second}	Block Fill Series
{BlockFill.Start <i>Value</i> }	Block Fill Start
{BlockFill.Step <i>Value</i> }	Block Fill Step
{BlockFill.Stop <i>Value</i> }	Block Fill Stop
{BlockInsert.Columns <i>Block</i> , Entire Partial}	Block Insert Columns
{BlockInsert.File <i>FileName</i> , <i>BeforeBlock</i> }	Block Insert File
{BlockInsert.Pages <i>Block</i> , Entire Partial}	Block Insert Pages
{BlockInsert.Rows <i>Block</i> , Entire Partial}	Block Insert Rows
{BlockMove <i>SourceBlock</i> , <i>DestBlock</i> }	Block Move
{BlockMovePages <i>SrcPages</i> , <i>BeforePage</i> }	Block Move Pages
{BlockName.Create <i>BlockName</i> , <i>Block</i> }	Block Names Create
{BlockName.Delete <i>BlockName</i> }	Block Names Delete
{BlockName.Labels Left Right Up Down}	Block Names Labels
{BlockName.MakeTable <i>Block</i> }	Block Names Make Table
{BlockName.Reset}	Block Names Reset
{BlockReformat <i>Block</i> }	Block Reformat
{BlockTranspose <i>SourceBlock</i> , <i>DestBlock</i> }	Block Transpose
{BlockValues <i>SourceBlock</i> , <i>DestBlock</i> }	Block Values
{ClearContents < <i>fPageOnly</i> (0 1)>}	Edit Clear Contents
{Controls.Order}	Dialog Order Order Controls
{Controls.OrderFrom}	Dialog Order Order From
{Controls.OrderTab}	Dialog Order Order Tab Controls
{Controls.OrderTabFrom}	Dialog Order Order Tab From
{DialogView <i>Window</i> }	Tools UI Builder
{DialogWindow. <i>Property</i> }	Property Dialog
{DialogWindow.Dimension.“X, Y, Height, Width”}	Property Dialog Dimension
{DialogWindow.Dimension.Height}	P D Dimension Height
{DialogWindow.Dimension.Width}	P D Dimension Width
{DialogWindow.Dimension.X}	P D Dimension X Pos
{DialogWindow.Dimension.Y}	P D Dimension Y Pos
{DialogWindow.Disabled Yes No}	Property Dialog Disabled
{DialogWindow.Enabled Yes No}	Counteracts DialogWindow.Disabled; no equivalent command
{DialogWindow.Grid_Options <i>GridSize</i> , <i>ShowGrid</i> (Yes No), <i>SnapToGrid</i> (Yes No)}	Property Dialog Grid Options
{DialogWindow.Name <i>Name</i> }	Property Dialog Name
{DialogWindow.Position_Adjust <i>Depend</i> (Yes No), <i>LeftRel</i> (Yes No), <i>TopRel</i> (Yes No), <i>RightRel</i> (Yes No), <i>BottomRel</i> (Yes No), <i>CenterHor</i> (Yes No), <i>CenterVer</i> (Yes No)}	Property Dialog Position Adjust
{DialogWindow.Title}	Property Dialog Title
{DialogWindow.Value <i>String</i> }	Sets and gets values in active dialog box; no equivalent command

**Command equivalent** (continued)

{EditClear}  
 {EditCopy}  
 {EditCut}  
 {EditGoto *Block*}  
 {EditPaste}  
 {ExportGraphic *Filename*, <*GrayScale?*{0|1|2}>, <*Compression?*{0|1|2}>}  
 {FileClose <*DoSave?* {0|1}>}  
 {FileCloseAll <*DoSave?* {0|1}>}  
 {FileCombine *FileName*, <*Blocks*>, Add|Subtract|Multiply|Divide|Copy}  
 {FileExit <*DoSave?* {0|1}>}  
 {FileExtract Formulas|Values, *Blocks*, *Filename*}  
 {FileImport "ASCII Text File"  
   "Comma & "" Delimited File"  
   "Only Commas"}  
 {FileNew}  
 {FileOpen *Filename*}  
 {FileRetrieve *Filename*}  
 {FileSave <Replace|Backup|Confirm>}  
 {FileSaveAll <Replace|Backup|Confirm>}  
 {FileSaveAs *Filename* <,Replace|Backup|Confirm>}  
 {FloatOrder.ToBack}  
 {FloatOrder.Backward}  
 {FloatOrder.ToFront}  
 {FloatOrder.Forward}  
 {Frequency.Bin\_ *Block Block*}  
 {Frequency.Go}  
 {Frequency.Reset}  
 {Frequency.Value\_ *Block Block*}  
 {GraphCopy *FromGraph*, *DestFile*, <*Style?*{0|1}>, <*Data?*{0|1}>,  
   <*Annotations*{0|1}>}  
 {GraphDelete *Name*}  
 {GraphEdit *Name*}  
 {GraphNew *Name*}  
 {GraphSettings.Titles *Main*, *Sub*, *X-Axis*, *Y-Axis*, *Y2-Axis*}  
 {GraphSettings.Type *Type*, *Class*}  
 {GraphSettings.Type "2D Half Bar, 2-D"}  
 {GraphSettings.Type "3D Area, 3-D"}  
 {GraphSettings.Type "3D Bar, 3-D"}  
 {GraphSettings.Type "3D Column, 3-D"}  
 {GraphSettings.Type "3D Contour, 3-D"}  
 {GraphSettings.Type "3D Pie, 3-D"}  
 {GraphSettings.Type "3D Ribbon, 3-D"}  
 {GraphSettings.Type "3D Shaded Surface, 3-D"}  
 {GraphSettings.Type "3D Stacked Bar, 3-D"}  
 {GraphSettings.Type "3D Step, 3-D"}  
 {GraphSettings.Type "3D Surface, 3-D"}  
 {GraphSettings.Type "3D Unstacked Area, 3-D"}

**Command**

Edit|Clear  
 Edit|Copy  
 Edit|Cut  
 Edit|Goto  
 Edit|Paste  
 Draw|Export  
 File|Close  
 File|Close All  
 Tools|Combine  
 File|Exit  
 Tools|Extract  
 Tools|Import  
  
 File|New  
 File|Open  
 File|Retrieve  
 File|Save  
 File|Save All  
 File|Save As  
 Block|Object Order|Send To Back  
 Block|Object Order|Send Backward  
 Block|Object Order|Bring To Front  
 Block|Object Order|Bring Forward  
 Data|Frequency|Bin Block  
 Data|Frequency|OK  
 Data|Frequency|Reset  
 Data|Frequency|Value Blocks  
 Graph|Copy  
  
 Graph|Delete  
 Graph|Edit  
 Graph|New  
 Graph|Titles  
 Graph|Type  
 Graph|Type|3-D|2-5-D Bar  
 Graph|Type|3-D|Graph|Type|3-D|  
 Graph|Type|3-D|Bar  
 Graph|Type|3-D|Column  
 Graph|Type|3-D|Contour  
 Graph|Type|3-D|Pie  
 Graph|Type|3-D|Ribbon  
 Graph|Type|3-D|Shaded Surface  
 Graph|Type|3-D|Stacked Bar  
 Graph|Type|3-D|Step  
 Graph|Type|3-D|Surface  
 Graph|Type|3-D|Unstacked Area

**Command equivalent** (continued)

{GraphSettings.Type "Area,2-D"}  
 {GraphSettings.Type "Area\_bar,Combo"}  
 {GraphSettings.Type "Bar,2-D"}  
 {GraphSettings.Type "Column,2-D"}  
 {GraphSettings.Type "HiLo,2-D"}  
 {GraphSettings.Type "Hilo\_bar,Combo"}  
 {GraphSettings.Type "Line,2-D"}  
 {GraphSettings.Type "Line\_bar,Combo"}  
 {GraphSettings.Type "Multiple 3D columns,Combo"}  
 {GraphSettings.Type "Multiple 3D Pies,Combo"}  
 {GraphSettings.Type "Multiple Bar,Combo"}  
 {GraphSettings.Type "Multiple Columns,Combo"}  
 {GraphSettings.Type "Multiple Pies,Combo"}  
 {GraphSettings.Type "Pie,2-D"}  
 {GraphSettings.Type "R2D Bar,Rotate"}  
 {GraphSettings.Type "R2DHalf Bar,Rotate"}  
 {GraphSettings.Type "R3D bar,Rotate"}  
 {GraphSettings.Type "Rotated Area,Rotate"}  
 {GraphSettings.Type "Rotated Line,Rotate"}  
 {GraphSettings.Type "Stacked Bar,2-D"}  
 {GraphSettings.Type "Text,Text"}  
 {GraphSettings.Type "Variance,2-D"}  
 {GraphSettings.Type "XY,2-D"}  
 {GraphView <GraphName1, GraphName2,...>}  
 {GraphWindow.Property}  
 {GraphWindow.Aspect\_Ratio "35mm Slide"  
   "Floating Graph"|"Full Extent"|"Printer Preview"|"Screen Slide"}  
 {GraphWindow.Grid GridSize, DisplayGrid (Yes|No),  
   SnapToGrid (Yes|No)}  
 {Group.Define GroupName, StartPage, EndPage}  
 {Group.Delete GroupName}  
 {Group.ResetNames}  
 {GroupObjects}  
 {ImportGraphic Filename}  
 {InsertBreak}  
 {InsertObject ObjectType}  
 {Invert.Destination Block}  
 {Invert.Go}  
 {Invert.Source Block}  
 {Links.Change OldName, NewName}  
 {Links.Delete LinkName\*} (\* = all links)  
 {Links.Open LinkName\*} (\* = all links)  
 {Links.Refresh LinkName\*} (\* = all links)  
 {Multiply.Destination Block}  
 {Multiply.Go}  
 {Multiply.Matrix\_1 Block}  
 {Multiply.Matrix\_2 Block}

**Command**

Graph|Type|2-D|Area  
 Graph|Type|Combo|Area-Bar  
 Graph|Type|2-D|Bar  
 Graph|Type|2-D|Column  
 Graph|Type|2-D|High Low  
 Graph|Type|Combo|High Low-Bar  
 Graph|Type|2-D|Line  
 Graph|Type|Combo|Line-Bar  
 Graph|Type|Combo|3D columns  
 Graph|Type|Combo|3D Pies  
 Graph|Type|Combo|Bar  
 Graph|Type|Combo|Columns  
 Graph|Type|Combo|Multiple Pies  
 Graph|Type|2-D|Pie  
 Graph|Type|Rotate|2D Bar  
 Graph|Type|Rotate|2.5D Bar  
 Graph|Type|Rotate|3D Bar  
 Graph|Type|Rotate|Area  
 Graph|Type|Rotate|Line  
 Graph|Type|2-D|Stacked Bar  
 Graph|Type|Text  
 Graph|Type|2-D|Variance  
 Graph|Type|2-D|XY  
 Graph|View  
 Property|Graph Window  
 P|G W|Aspect Ratio  
  
 P|G W|Grid  
  
 Tools|Define Group  
 Tools|Define Group|Delete  
 Tools|Define Group|Delete  
 Draw|Group  
 Draw|Import  
 Block|Insert Break  
 Edit|Insert Object  
 Tools|Advanced Math|Invert|Destination  
 Tools|Advanced Math|Invert|OK  
 Tools|Advanced Math|Invert|Source  
 Tools|Update Links|Change Link  
 Tools|Update Links|Delete Links  
 Tools|Update Links|Open Links  
 Tools|Update Links|Refresh Links  
 Tools|Advanced Math|Multiply|Destination  
 Tools|Advanced Math|Multiply|OK  
 Tools|Advanced Math|Multiply|Matrix 1  
 Tools|Advanced Math|Multiply|Matrix 2

**Command equivalent** (continued)

{NamedStyle.Alignment General|Left|Right|Center}  
 {NamedStyle.Define "StyleName, Align? (0|1),  
   NumericFormat? (0|1), Protection? (0|1), Lines? (0|1), Shading? (0|1),  
   Font? (0|1), TextColor? (0|1)"}

{NamedStyle.Delete StyleName}  
 {NamedStyle.Font "FontName, PointSize, Bold (Yes|No),  
   Italic (Yes|No), Underline (Yes|No), Strikeout (Yes|No)"}

{NamedStyle.LineDrawing LeftLine (None|Single|Double|Thick),  
   TopLine, RightLine, BottomLine}

{NamedStyle.Numeric\_Format NumericFormat}  
 {NamedStyle.Protection Protected|Unprotected}  
 {NamedStyle.Shading ForegroundColor, BackgroundColor,  
   Pattern}

{NamedStyle.Text\_Color 0-15}

{NoteBook.Property}  
 {NoteBook.Display "VertScroll, HorizScroll, Tabs"}  
 {NoteBook.Display.Show\_HorizontalScroller Yes|No}  
 {NoteBook.Display.Show\_Tabs Yes|No}  
 {NoteBook.Display.Show\_VerticalScroller Yes|No}  
 {NoteBook.Macro\_Library Yes|No}  
 {NoteBook.Palette.Color\_n  
   "RedValue,GreenValue,BlueValue"}  
 {NoteBook.Recalc\_Settings Automatic|Background|Manual,  
   Column-wise|Row-wise|Natural, Iterations}  
 {NoteBook.Zoom\_Factor 25-200}  
 {OLE.Change\_Link FileName}  
 {OLE.Change\_To\_Picture}  
 {OLE.Edit}

{OLE.Play}

{OLE.Unlink}  
 {OLE.Update}  
 {OLE.Update\_All\_Objects}

{Optimizer.Add\_Constraint#, Cell, Operator, Constant}  
 {Optimizer.Answer\_Reporting\_Cell}

{Optimizer.Change\_Constraint#, Cell, Operator, Constant}  
 {Optimizer.Delete\_Constraint#}  
 {Optimizer.Derivatives Central|Forward}  
 {Optimizer.Detail\_Reporting\_Cell}

**Command**

Edit|Define Style|Included Properties|Alignment  
 Edit|Define Style|Define Style For

Edit|Define Style|Delete  
 Edit|Define Style|Included Properties|Font

Edit|Define Style|Included Properties|  
 Line Drawing

Edit|Define Style|Included Properties|Format  
 Edit|Define Style|Included Properties|Protection  
 Edit|Define Style|Included Properties|Shading

Edit|Define Style|Included Properties|Text  
 Color  
 Property|Active Notebook  
 Property|Active Notebook|Display  
 P|A N|Display|Horizontal Scroll Bar  
 P|A N|Display|Page Tabs  
 P|A N|Display|Vertical Scroll Bar  
 P|A N|Macro Library  
 P|A N|Palette|Color 1-16

P|A N|Recalc Settings

P|A N|Zoom Factor  
 OLE Link settings|Change Link  
 OLE Object settings|Change to Picture  
 OLE Link settings|Edit,  
 OLE Object settings|Edit  
 OLE Link settings|Play,  
 OLE Object settings|Play  
 OLE Link settings|Unlink  
 OLE Link settings|Update Now  
 Updates all OLE objects in active notebook; no  
 equivalent command  
 Tools|Optimizer|Constraints|Add  
 Report Block  
 Tools|Optimizer|Constraints|Change  
 Report Block  
 Tools|Optimizer|Constraints|Delete  
 Report Block  
 Tools|Optimizer|Options|Derivatives  
 Report Block  
 Tools|Optimizer|Options|Reporting|Detail  
 Report Block

**Command equivalent** (continued)

{Optimizer.Estimates Quadratic|Tangent}  
 {Optimizer.Linear 0|1}  
 {Optimizer.Load\_Model}  
 {Optimizer.Max\_Iters *Value*}  
 {Optimizer.Max\_Time *Value*}  
 {Optimizer.Model\_Cell *Cell*}  
     To load, use {Optimizer.Model\_Cell *Cell*}{Optimizer.Load\_Model}  
     To save, use {Optimizer.Model\_Cell *Cell*}{Optimizer.Save\_Model}  
 {Optimizer.Precision *Value*}  
 {Optimizer.Reset}  
 {Optimizer.Save\_Model}  
 {Optimizer.Search Conjugate|Newton}  
 {Optimizer.Show\_Iters 0|1}  
 {Optimizer.Solution\_Cell *SolutionCell*}  
 {Optimizer.Solution\_Goal Max|Min|None|Target *Value*}  
 {Optimizer.Solve}  
 {Optimizer.Target\_Value *Value*}  
 {Optimizer.Variable\_Cells *Cell(s)*}  
 {Order.Backward}  
  
 {Order.Forward}  
  
 {Order.ToBack}  
  
 {Order.ToFront}  
  
 {Page.*Property*}  
 {Page.Borders "*Row, Column*"}  
 {Page.Borders.Column\_Borders Yes|No}  
 {Page.Borders.Row\_Borders Yes|No}  
 {Page.Conditional\_Color "*Enable, SmallVal, GreatVal, BelowColor, NormalColor, AboveColor, ERRColor*"}  
 {Page.Conditional\_Color.Above\_Normal\_Color 0-15}  
 {Page.Conditional\_Color.Below\_Normal\_Color 0-15}  
 {Page.Conditional\_Color.Enable Yes|No}  
 {Page.Conditional\_Color.ERR\_Color 0-15}  
 {Page.Conditional\_Color.Greatest\_Normal\_Value *Value*}  
 {Page.Conditional\_Color.Normal\_Color 0-15}  
 {Page.Conditional\_Color.Smallest\_Normal\_Value *Value*}  
 {Page.Default\_Width *Width*}  
 {Page.Display\_Zeros Yes|No}  
 {Page.Grid\_Lines.Horizontal Yes|No}  
 {Page.Grid\_Lines.Vertical Yes|No}  
 {Page.Label\_Alignment Left|Right|Center}  
 {Page.Line\_Color 0-15}  
 {Page.Name *NewName*}  
 {Page.Protection Disable|Enable}

**Command**

Tools|Optimizer|Options|Estimates  
 Tools|Optimizer|Options|Assume Linear  
 Tools|Optimizer|Options|Load Model  
 Tools|Optimizer|Options|Max Iterations  
 Tools|Optimizer|Options|Max Time  
 Tools|Optimizer|Options|Load Model,  
 Save Model  
  
 Tools|Optimizer|Options|Precision  
 Tools|Optimizer|Reset  
 Tools|Optimizer|Options|Save Model  
 Tools|Optimizer|Options|Search  
 Tools|Optimizer|Options|Show Iteration Results  
 Tools|Optimizer|Goal|Solution Cell  
 Tools|Optimizer|Goal  
 Tools|Optimizer|Solve  
 Tools|Optimizer|Target Value  
 Tools|Optimizer|Variable Cells  
 Dialog|Order|Send Backward,  
 Draw|Send Backward  
 Dialog|Order|Bring Forward,  
 Draw|Bring Forward  
 Dialog|Order|Send to Back,  
 Draw|Send to Back  
 Dialog|Order|Bring to Front,  
 Draw|Bring to Front  
 Property|Active Page  
 Property|Active Page|Borders  
 P|A P|Borders|Column Borders  
 P|A P|Borders|Row Borders  
 P|A P|Conditional Color  
  
 P|A P|Conditional Color|Above Normal Color  
 P|A P|Conditional Color|Below Normal Color  
 P|A P|Conditional Color|Enable  
 P|A P|Conditional Color|ERR Color  
 P|A P|Conditional Color|Greatest Normal Value  
 P|A P|Conditional Color|Normal Color  
 P|A P|Conditional Color|Smallest Normal Value  
 P|A P|Default Width  
 P|A P|Display Zeros  
 P|A P|Grid Lines|Horizontal  
 P|A P|Grid Lines|Vertical  
 P|A P|Label Alignment  
 P|A P|Line Color  
 P|A P|Name  
 P|A P|Protection

**Command equivalent** (continued)

**Command**

{Parse.Create}	Data Parse Create
{Parse.EditLine <i>NewEditLine</i> }	Data Parse Edit
{Parse.Go}	Data Parse OK
{Parse.Input <i>Block</i> }	Data Parse Input
{Parse.Output <i>Block</i> }	Data Parse Output
{Parse.Reset}	Data Parse Reset
{PasteFormat <i>LinkType</i> }	Edit Paste Format
{PasteLink}	Edit Paste Link
{PasteSpecial <"Properties" "", "Formulas" "Values" "", "Transpose" "", "NoBlanks" " ">}	Edit Paste Special
{Preview}	File Print Preview
{Print.All_Pages Yes No}	File Print Print Pages All Pages
{Print.Between_Block_Formatting "Lines" "Page Advance"}	File Print Options Print Between Blocks
{Print.Between_Page_Formatting "Lines" "Page Advance"}	File Print Options Print Between 3D Pages
{Print.Block <i>Block</i> }	File Print Print Blocks
{Print.Bottom_Margin <i>Value</i> }	File Page Setup Margins Bottom
{Print.Cell_Formulas Yes No}	File Print Options Print Options Cell formulas
{Print.Center_Block Yes No}	File Page Setup Options Center Blocks
{Print.Copies <i>Value</i> }	File Print Copies
{Print.Create <i>NamedSetting</i> }	File Named Settings Create,
	File Named Settings Update
{Print.Delete <i>NamedSetting</i> }	File Named Settings Delete
{Print.DoPrint}	File Print Print
{Print.DoPrintGraph}	File Print Print (selected graph)
{Print.End_Page_Number <i>Value</i> }	File Print Print Pages To
{Print.Footer <i>FooterString</i> }	File Page Setup Footer
{Print.Footer_Margin <i>Value</i> }	File Page Setup Margins Footer
{Print.Header <i>HeaderString</i> }	File Page Setup Header
{Print.Header_Margin <i>Value</i> }	File Page Setup Margins Header
{Print.Headers_Font " <i>Typeface, PointSize, Bold</i> (Yes No), <i>Italic</i> (Yes No), <i>Underline</i> (Yes No), <i>Strikeout</i> (Yes No)"}	File Page Setup Header Font
{Print.Left_Heading <i>Block</i> }	File Print Options Left Heading
{Print.Left_Margin <i>Value</i> }	File Page Setup Margins Left
{Print.Lines_Between_Blocks <i>Value</i> }	File Print Options Print Between Blocks Lines
{Print.Lines_Between_Pages <i>Value</i> }	File Print Options Print Between 3D Pages  Lines
{Print.Orientation Landscape Portrait}	File Page Setup Print Orientation
{Print.Page_Breaks Yes No}	File Page Setup Options Break Pages
{Print.PageSetupReset}	File Page Setup Reset Defaults
{Print.Paper_Type <i>PaperSize</i> }	File Page Setup Paper Type



**Command equivalent** (continued)

{Print.Print\_Borders Yes|No}  
 {Print.Print\_Gridlines Yes|No}  
 {Print.Print\_To\_Fit Yes|No}  
 {Print.PrintOptionsReset}  
   {Print.PrintReset} resets all print settings  
 {Print.Right\_Margin Value}  
 {Print.Scaling PercentageValue}  
 {Print.Start\_Page\_Number Value}  
 {Print.Top\_Heading Block}  
 {Print.Top\_Margin Value}  
 {Print.Use NamedSetting}  
 {PrinterSetup Printer, Port, PrintToFile (Yes|No), Filename, CancelOverwrite/Replace/Backup/Append? (0|1|2|3)}  
   (3 only applies when printing to a text file)  
 {Query.Assign\_Names}  
 {Query.Criteria\_Table Block}  
 {Query.Database\_Block Block}  
 {Query.Delete}  
 {Query.Extract}  
 {Query.Locate}  
   {Query.Locate} enters FIND mode,  
   {Query.EndLocate} returns the user  
   to the dialog box  
 {Query.Output\_Block Block}  
 {Query.Reset}  
 {Query.Unique}  
 {Regression.Dependent Block}  
 {Regression.Go}  
 {Regression.Independent Block}  
 {Regression.Output Block}  
 {Regression.Reset}  
 {Regression.Y\_Intercept Compute|Zero}  
 {ResizeToSame}  
 {RestrictInput.Enter Block}  
 {RestrictInput.Exit}  
 {Search.Block Block}  
 {Search.Case Any|Exact}  
 {Search.Direction Column|Row}  
 {Search.Find String}  
 {Search.Look\_In Condition|Formula|Value}  
 {Search.Match Part|Whole}  
 {Search.Next}  
 {Search.Previous}  
 {Search.Replace}

**Command**

File|Print|Options|Print Options|Row/Column Borders  
 File|Print|Options|Print Options|Gridlines  
 File|Page Setup|Options|Print to Fit  
 File|Print|Options|Reset Defaults  
 File|Page Setup|Margins|Right  
 File|Page Setup|Scaling  
 File|Print|Print Pages|From  
 File|Print|Options|Top Heading  
 File|Page Setup|Margins|Top  
 File|Named Settings|Named Settings  
 File|Printer Setup|Printer and Port  
 Data|Query|Field Names  
 Data|Query|Criteria Table  
 Data|Query|Database Block  
 Data|Query|Delete  
 Data|Query|Extract  
 Data|Query|Locate  
 Data|Query|Output Block  
 Data|Query|Reset  
 Data|Query|Extract Unique  
 Tools|Advanced Math|Regression|Dependent  
 Tools|Advanced Math|Regression|OK  
 Tools|Advanced Math|Regression|Independent  
 Tools|Advanced Math|Regression|Output  
 Tools|Advanced Math|Regression|Reset  
 Tools|Advanced Math|Regression|Y Intercept  
 Dialog|Align|Resize to Same  
 Data|Restrict Input (enters INPUT mode)  
 Any operation that ends INPUT mode  
 Edit|Search and Replace|Blocks  
 Edit|Search and Replace|Case Sensitive  
 Edit|Search and Replace|Columns First  
 Edit|Search and Replace|Find  
 Edit|Search and Replace|Look In  
 Edit|Search and Replace|Match Whole  
 Edit|Search and Replace|Next  
 Edit|Search and Replace|Previous  
 Edit|Search and Replace|Replace button

**Command equivalent** (continued)**Command**

{Search.ReplaceAll}	Edit Search and Replace Replace All
{Search.ReplaceBy <i>String</i> }	Edit Search and Replace Replace edit field
{Search.Reset}	Edit Search and Replace Reset
{Series.Data_Range <i>SeriesNumber</i>  "XAxisLabelSeries" "LegendSeries", <i>Block</i> <, <i>CreateIfNotExist?</i> (0 1)>}	Graph Series Number or X-Axis or Legend
{Series.Delete <i>SeriesNumber</i> <, <i>AndAllSeriesFollowing?</i> (0 1)>}	Graph Series Delete
{Series.Go}	Graph Series OK
{Series.Insert <i>SeriesNumber</i> , <i>Block</i> }	Graph Series Add
{Series.Label_Range <i>SeriesNumber</i> , <i>Block</i> <, <i>CreateIfNotExist?</i> (0 1)>}	[series Object Inspector] Label Series
{Series.Legend <i>SeriesNumber</i> , <i>LegendText</i> }	[series Object Inspector] Legend
{Series.Reverse_Series 1 0}	Graph Series Reverse Series
{Series.Swap_Row_Col 1 0}	Graph Series Row/Column Swap
{Slide.Effect <i>Effect</i> }	Specifies the transition effect to use when displaying a slide in a slide show; no equivalent command
{Slide.Goto <i>SlideName</i> }	Takes the active slide show directly to the slide <i>SlideName</i> ; no equivalent command
{Slide.Next}	Advances the active slide show to the next slide; no equivalent command
{Slide.Previous}	Returns the active slide show to the previous slide; no equivalent command
{Slide.Run <i>SlideShowName</i> }	Graph Slide Show
{Slide.Speed <i>Speed</i> }	Specifies the transition speed to use when displaying a slide in a slide show; no equivalent command
{Slide.Time <i>Time</i> }	Specifies the time in seconds to display a slide in a slide show; no equivalent command
{SolveFor.Accuracy <i>Value</i> }	Tools Solve For Accuracy
{SolveFor.Variable_Cell <i>Cell</i> }	Tools Solve For Variable Cell
{SolveFor.Formula_Cell <i>Cell</i> }	Tools Solve For Formula Cell
{SolveFor.Go}	Tools Solve For OK
{SolveFor.Max_Iters <i>Value</i> }	Tools Solve For Max Iterations
{SolveFor.Reset}	Clears all Solve For settings; no equivalent menu command
{SolveFor.Target_Value <i>Value</i> }	Tools Solve For Target Value
{Sort.Block <i>Block</i> }	Data Sort Block
{Sort.Data "Labels First" "Numbers First"}	Data Sort Data
{Sort.Go}	Data Sort OK
{Sort.Key_1-5 <i>Block</i> }	Data Sort Column 1st – 5th
{Sort.Labels "Character Code" "Dictionary"}	Data Sort Labels
{Sort.Order_1-5 Ascending Descending}	Data Sort Ascending 1st – 5th
{Sort.Reset}	Data Sort Reset

**Command equivalent** (continued)**Command**


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{TableQuery.Destination <i>Block</i> }	Data Table Query Destination
{TableQuery.FileQuery Yes No}	Data Table Query Query in File
{TableQuery.Go}	Data Table Query OK
{TableQuery.QueryBlock <i>Block</i> }	Data Table Query Query in Block (checked)
{TableQuery.QueryFile <i>Filename</i> }	Data Table Query QBE File
{TableView}	Data Database Desktop
{UngroupObjects}	Draw UnGroup
{WhatIf.Block <i>Block</i> }	Data What-If Data Table
{WhatIf.Input_Cell_1 <i>Cell</i> }	Data What-If Input Cell (Column Input Cell)
{WhatIf.Input_Cell_2 <i>Cell</i> }	Data What-If Row Input Cell
{WhatIf.One_Way}	Data What-If One Free Variable
{WhatIf.Reset}	Data What-If Reset
{WhatIf.Two_Way}	Data What-If Two Free Variables
{WindowArrangeIcons}	Window Arrange Icons
{WindowCascade}	Window Cascade
{WindowClose}	Control Menu Close
{WindowHide}	Window Hide
{WindowMaximize}	Control Menu Maximize
{WindowMinimize}	Control Menu Minimize
{WindowMove <i>UpperLeftX, UpperLeftY</i> }	Control Menu Move
{WindowNewView}	Window New View
{WindowNext}	Control Menu Next
{WindowPanels Horizontal Vertical Clear, Synch Unsynch, <i>Width, Height</i> }	Window Panels
{WindowRestore}	Control Menu Restore
{WindowShow <i>Name</i> }	Window Show
{WindowSize <i>X, Y</i> }	Control Menu Size
{WindowTile}	Window Tile
{WindowTitles Horizontal Vertical Both Clear}	Window Locked Titles
{Workspace.Restore <i>Filename</i> }	File Workspace Restore
{Workspace.Save <i>Filename</i> }	File Workspace Save

**Note:** The following macro commands are equivalent to menu command sequences, but they may not be used as arguments for @COMMAND:

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{SETPROPERTY <i>Property, Setting</i> }	Property Current Object
{STEPOFF}	Tools Macro Disable Debugger
{STEPON}	Tools Macro Debugger
{UNDO}	Edit Undo

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For a list of command equivalents by command, see Appendix A of *Building Spreadsheet Applications*.

# QUATTRO<sup>®</sup> PRO FOR WINDOWS

**B O R L A N D**

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PART #24MN-QPW05-10 ■ BOR 2943