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Book Descriptions:

Casio classpad ii manual

Basics Main Application Other Applications Conics Application Differential Equation Graph Application Function Graphs Sequence Application Statistics Application Geometry Application Numeric Solver Application Financial Application Program Application Spreadsheet Application System Application Performing Data Communication ClassPad and a Personal Computer ClassPads. Low battery power or incorrect replacement of the batteries that power the ClassPad can cause the data stored in memory to be corrupted or even lost entirely. Stored data can also be affected by strong electrostatic charge or strong impact. It is up to you to keep backup copies of data to protect against its loss. Backing Up Data ClassPad data can be converted to a VCP file or XCP file and transferred to a computer for storage. For detailSee Chapter 15 for details. Touch screen Stylus Icon panel See "13 Builtin Application Basic Operations". 1 CursoTo turn off the ClassPad, press f and then c. Auto Power Off The ClassPad also has an Auto Power Off feature. This feature automatically turns the ClassPad off when it is idle for a specified amount of time. For details, see "To configure power properties" on page 246. Note Any temporary information in ClassPad RAM graphs drawn on an application's graph window, a dialog box displayed, etc. is retained for approxUsing the Application Menu Tapping m on the icon panel displays the application menu. You can perform the operations below with the application menu. Tap a button to start up an Tap here or tap s on the icon panel to display the application. See "Builtin next menu. Applications" below. VCP file operations. See page 253. Starts touch panel aNote that you cannot switch the active window while an operation is being performed in the current active window. Resize the active window While a dual window is on the display, tap r. This causes the active window to so it fills the display fill the display.http://topukrainianhotels.com/userfiles/elcan-scope-manual.xml
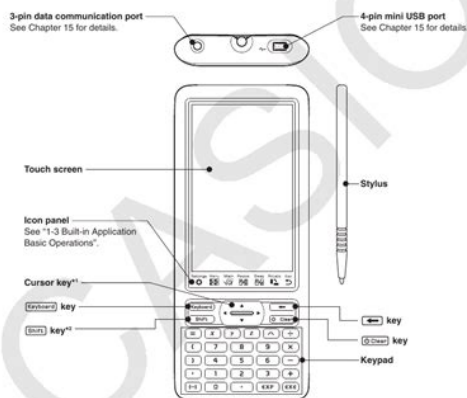
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Chapter 1:
Basics

This chapter provides a general overview of the ClassPad and application operations, as well as information about input operations, the handling of data (variables and folders), file operations, and how to configure application format settings.

1-1 General Guide

ClassPad at a Glance

*1 In this manual, cursor key operations are indicated as ▲, ▼, ◀, ▶.
*2 Certain functions (cut, paste, undo, etc.) or key input operations can be assigned to key combinations that consist of pressing the [Shift] key and a keypad key. For more information, see "14-2 Configuring System Settings".
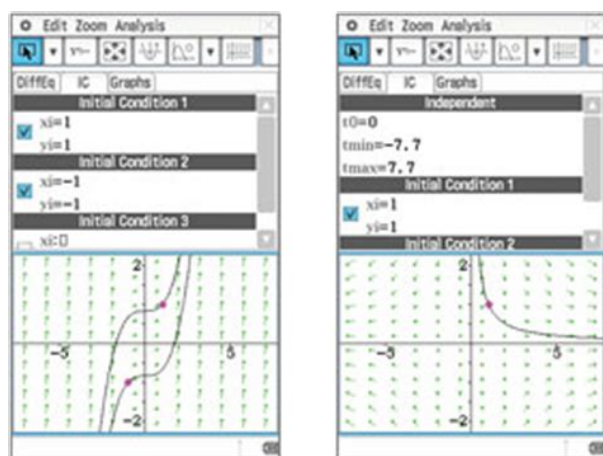
To return to the dual windowTapping "Cplx" indicating complex number calculations while the Main application is running will toggle the setting to "Real" indicating real number calculations. Tapping again will toggle back to "Cplx". For more details about the cInput using the soft keyboard is required to input higher level calculation expressions, functions, variables, etc. See Chapter 2 for more information about inputting expressions. Tip In some cases, the input expression and output expression result may not fit in the display area. If this happens, tap the left or right arrows that appear on the display to scroll tPerforming a copy or cut operation causes the current clipboard contents to be replaced by the newly copied or cut characters. To turn off the ClassPad, press f and then c. Auto Power Off The ClassPad also has an Auto Power Off feature. Using the Application Menu Tapping m on the icon panel displays the application menu. Input using the soft keyboard is required to input higher level calculation expressions, functions, variables, etc. This is simply to let you know that the letter is a singlecharacter variable name. This is an alphabetized list of commands, functions, and other items available in the category currently selected with "Form". The data type is indicated by a data type name. Though this section uses only the term "variables", the explanations provided here also refer to the other types of data that can be managed by Variable Manager. Delete a folder See "To delete a folder" page 29. Geometry Chapter 8, eActivity Chapter 10, Spreadsheet Chapter 13, Verify page 92, Probability page 92 This section explains the common operations that can be performed on data files created with these applications. The following describes each of the settings and commands that are available on the O menu. T o specify a source for table data Tap 2 and then tap one of the settings described below. Using the e Key Use the e key to input exponential values.http://www.zulassungsservice4you.de/bilder/elcan-optics-manual.xml

BinomialCD `Keyboard`

Syntax: BinomialCD⬚Lower value, Upper value, Numtrial value, pos value

Function: See "Binomial Cumulative Distribution" (page 146).

Break `Ctrl - Control`

Syntax: Break

Function: This command terminates a loop and causes execution to advance to the next command following the loop process.

Description:
- **Break** terminates a loop and causes execution to advance to the next command following the loop process.
- **Break** can be used inside of a **For, Do, While,** or **Switch** process.

Broken `Misc - Statistics(1) - Graph`

Function: Used as a **StatGraph** command argument to specify an option. See **StatGraph**.

C

CallUndef `Misc - Graph&Table(1)`

Function: Used as a **ViewWindow** command argument to specify an option. See **ViewWindow**.

Case `Ctrl - Switch`

See **Switch~Case~Default~SwitchEnd**.

ChiCD `Keyboard`

Syntax: ChiCD⬚Lower value, Upper value, df value

Function: See "χ^2 Cumulative Distribution" (page 146).

ChiPD `Keyboard`

Syntax: ChiPD⬚x value, df value

Function: See "χ^2 Probability Density" (page 146).

ChiGOFTest `Keyboard`

Syntax: ChiGOFTest⬚<Observed list name>, <Expected list name>, df value

Function: See "χ^2 GOF Test" (page 142).

ChiTest `Keyboard`

Syntax: ChiTest⬚<Observed matrix name>

Function: See "χ^2 Test" (page 142).

ChrToNum `Misc - String(1)`

Syntax: ChrToNum⬚"<string>", <storage variable name>[,n]

Function: Converts the characters up to the nth character of a string to their character code values and assigns the string to the specified variable.

Description: Omitting "n" starts conversion from the first character of the string. For information about character codes, see "Character Code Table" on page 259.

Circle `I/O - Sketch`

Syntax: Circle⬚<center x-coordinate>, <center y-coordinate>, radius[,<color command>]

Function: Draws a circle.

Clear_a_z `Misc - Variable`

Syntax: Clear_a_z⬚[<folder name>]

Function: Deletes all single letter lower-case named variables from a through z from the specified folder.

Description:
- If you don't specify a folder name, the variables of the current folder are cleared.
- Deletes all variables from a through z, regardless of type (program, etc.). See **GetType** for information about variable types.
- Keep in mind that this command clears all data types, including programs, functions, etc.

ClearSheet `Misc - Graph&Table(1) - Sheet`

Syntax: ClearSheet [[<sheet number> ; "<sheet name>"]]

Function: Deletes the sheet name and expressions on the sheet, and returns its settings to their default values. Omitting the argument causes all sheets to be cleared.

CloseComPort38k `I/O - Communication`

Syntax: CloseComPort38k

Function: Closes the 3-pin COM port.

ClrGraph `I/O - Clear`

Syntax: ClrGraph

Function: Clears the Graph window and returns View Window parameters to their initial default settings.

ClrPict `Misc - Graph&Table(2)`

Syntax: ClrPict

Function: Clears an image recalled by the RclPict command.

ClrText `I/O - Clear`

Syntax: ClrText

Function: Clears text from the Program Output window.

Cls `I/O - Clear`

Syntax: Cls

Function: Clears sketch elements (lines and other figures sketched on the Graph window), and graphs drawn using drag and drop.

If you do not specify an argument, "rand" generates 10digit decimal values 0 or greater and less than 1. Specifying two integer values for the argument generates random numbers between them. The syntax of the "isPrime" function is shown below. Tip Since a vector can be viewed as 1row by n column matrix or n row by 1column matrix, this section does not include explanations specifically about vectors. An error occurs when you try to raise a nonsquare matrix to a specific power. All of the screenshots in this section show the "complete expression" version. Tip The Advanced Format dialog box can be used to configure settings related to the Fourier Transform, such a Fourier Transform definition, etc. The message "More solutions may exist" will appear on the display when a value is returned as the solution, because there may be multiple solutions. Note that the following commands are valid in the Assistant mode only. For more information on the Assistant mode see "Assistant Mode and Algebra Mode" on page 45. Verify will assist you in simplifying an expression by verifying whether or not the expression you entered is equivalent to your original expression. This will display an initial Probability dialog box. This section covers Graph Editor operations, and explains how to store functions. T o specify this Perform this operation Line type Tap "Graph Plot" and then tap the desired line type. Note that generation of a summary table can take a bit of time. You can also transform a manually input equation to a Conics Form. A solution curve is graphed starting at the initial condition value t 0 and continues until it reaches a target value, which can be either t min or t max. The solution direction determines the target values. Statistical graph drawing Singlevariable statistical graphs and pairedvariable statistical graphs. If you input a formula, the value of the calculation result will be input into the list.

It lets you see how a large number of data items are grouped within specific ranges. The lines from minX to Q 1, and from Q 3 to maxX are called "whiskers". Linear regression graph Quadratic regression graph Logistic regression graph Regression types. Regression calculation can also be performed on pairedvariable data. The median value is excluded. Q 1 and Q 3 then become the values described below. For example, you can draw a circle and then draw a line that is tangent to a particular point on the circle. This draws the tangent. Tip In the above example, we performed the transformation and the parallel displacement operations separately. You could also perform both

operations at the same time, if you want. Tap t to return to the normal toolbar. This feature allows you to visualize the relationship between Algebra and Geometry. Starting up the Numeric Solver displays the Numeric Solver window. Important! Financial calculation rules and practices can differ according to country, geographic area, or financial institution. For actual calculation examples, refer to the sections of this manual or the separate "Examples" booklet shown in the "Example" column. You can create programs that automate graphing and other operations. Finding and eliminating such errors is called "debugging the program". Userdefined functions can also be called up in other applications. Tip For information about the syntax of the Define command, see "Define" in the "Command List" page 201. Commands that do not use alphabetic characters such as. Lower value, Upper value, Numtrial value, pos value Function See "Binomial Cumulative Distribution" page 146. Function This command assigns the code number of the last key pressed to the specified variable. Lower value, Upper value, n value, M value, N value Function See "Hypergeometric Cumulative Distribution" page 147. HypergeoPD k Syntax HypergeoPD. Syntax 2 MultiSortD ,,,. Function Sorts a statistical list in descending order. Description See SinReg.

SetSci Misc Setup2 Syntax SetSci. Function Specifies the fixed number of significant digits. TPD k Syntax TPD x value, df value Function See "Student's t Probability Density" page 145. T woPropZInt k Syntax TwoPropZInt. A spreadsheet has 999 rows and 64 columns A1 to BL999. Dragging across a range of cells will input a reference to the selected range.Item A data blue, Item B data red, and Item C data green are cumulative, and there are two bars, one for each of the two days of the week. This lets you see the cumulative sales for each day. Each command is followed by a button to show the graph toolbar button that performs the same action as the command. The lines from Min to Q 1, and from Q 3 to Max are called "whiskers". To search again using the same character string, tap r. This sheet lists the names of all the files that have been created with the eActivity application, and shows the size of each file. You can also connect to a CASIO Data Analyzer or a CASIO projector. For information about connectable projectors, visit the site below. Use a variable as the argument of the variable. Circular Reference Circular reference exists for a variable. Insufficient Storage Memory Insufficient available capacity in the storage area. The initial default brightness setting after purchase is "Medium". Display brightness will dim automatically if you do not perform any operation for about 30 seconds. Connecting to Another ClassPad Unit 1. Turn both units off. 2. Connect the data communication cable as shown in the nearby illustration. Insert both of the plugs securely, as far as they will go. T ransferring Data between T wo ClassPads You can transfer variable data and eActivity data between two ClassPad units. ClassPad. Manager. User's Guide. CASIO Education website URLYou can store your programs and eActivities on yourNoteThe actual text and values that appear on display may differ from the examples shown in this User's. Guide.

Access the URL below to register as an official user.Operating Systems Windows XP Home Edition SP3 or later, Windows XP Professional 32bit. Your hardware configuration needs higher than functionalities that operatingComputer. Computer with one of the Windows operating systems preinstalled ExcludingDisk SpaceNote. Actual requirements and product functionality may vary based on your systemOther. USB port for direct connection. Do not connect via a USB hub. CDROM drive. NoteChapter 1 Installing, Uninstalling or Updating the Software. E4. ClassPad Manager Data. E7. Chapter 2 Using the ClassPad Manager. E8. ClassPad Manager Overview. E8. ClassPad Manager Operations. E10. Using ClassPad Manager in the Fixedsize Mode. E27. Fixedsize Mode Menu Commands. E28. Appendix. E29. ClassPad Manager Shortcut Keys. E29Installing, Uninstalling or Updating the Software. Installing. NoteIf you agree to be bound byUninstalling. Perform the following steps if you ever need to remove ClassPad Manager from your computer.If your computer is connected to the Internet, the application will connect to the CASIO serverWhen there is an update file for ClassPad Manager on the CASIO server,You can disable further autonotification of updates by selecting the check box next to "Disable. To reenable autonotification of updates, selectStarting Up and Quitting ClassPad ManagerYou can also click f c to quit ClassPad Manager. Note. The dialog box shown below appears when you start up ClassPad Manager for the first time. ClassPad Manager home folder.Viewing "About ClassPad Manager" InformationManager, and your serial number. You can use either of the following two procedures to display "About ClassPad Manager"On the menu thatClassPad Manager". ClassPad Manager Data. Your ClassPad stores eActivity data in one memory area, and all other data application data andFor details, see the ClassPad User's Guide.

ClassPad Manager stores both types of data on your computer's hard drive in "virtual ClassPad"Using the ClassPad Manager. For details about ClassPad applications and operations, see the ClassPad User's Guide. ClassPad Manager Overview. The ClassPad Manager puts a virtual ClassPad on your computer screen, which you can use toThis section explains theClassPad Manager modes. Differences between the ClassPad Manager and the Functions of. ClassPad Applications. The following are the differences between the ClassPad Manager and the functions of the. ClassPad applications.Attempting to access aThe ClassPad Manager has three display modes a Resizable Mode, a Landscape Mode and a. Fixedsize Mode.Mode also provides a number of special extended functions that are not available on the Fixedsize Mode.Resizable Mode. Landscape Mode. Fixedsize Mode. Q To select the display modeThis section explains the operations you can perform on the Resizable Mode, Landscape ModeComputer Keyboard Operations. The following are the operations you can perform on your computer keyboard to control the. ClassPad application that is currently running in the ClassPad Manager.Note. For information about shortcut keys, see "ClassPad Manager Shortcut Keys" in the Appendix onCopy and Paste. Q To copy a screen image to the Windows clipboardTipQ To copy alphanumeric text from the screen to the Windows clipboardNoteMathML data. You can use "Paste Special" to paste text or MathML data created by other Windows applications. Important Warning. When the ClassPad detects MathML data on the clipboard, the ClassPad will attempt to paste itThere is no guarantee that the pastedThis section explains how to perform the following vcp file operations on the ClassPad Manager. New, Open, Save, and Save As. Q To create a new vcp fileClassPad Manager title bar.Drop the vcp file into the ClassPad Manager. Q To open an existing vcp file using the menu command.

You can also use the above procedures to open an mcs or fls file created using a previous. ClassPad Manager version. Doing so, however, will convert the file to vcp format automatically. Q To save the currently open vcp fileNote. The current active document is saved automatically whenever you quit ClassPad Manager. WhenQ To save the currently open vcp file under a different nameThe home folder is where ClassPad Manager creates your default document. You can also use the home folder as a ClassPad Storage area.For details about the Storage area and. By default, the home folder is located in My Documents\CASIO\ClassPad Manager for ClassPad II. Q To change the home folder. Clearing Main Memory Reset. Except for eActivity files, Main memory is the location where all

ClassPad data is stored. SeeQ To clear all data, except for eActivity files. Are you sure".Mode. Floating. Menu Bar. Function. Bar. Landscape. Window. OS screen. Resizable. Status. Resizable Mode. The Resizable Window size can be changed by clicking border and then dragging it to the size you. Floating Menu Bar. The menu bar has five menus File, Edit, Applications, Window, and. Help. The menu bar "floats", which mean that you can move it around. Function Bar. The function bar includes four buttons that correspond to the ClassPad'sThe status bar shows the following information.For more information, see "Changing the ClassPad OS Screen. Zoom Setting Zoom" on page E16.Q Function Bar Button Operations. The table below explains what you can do with the function bar buttons. When you want to do this. Click thisOr select this menuMenu. Resize the currently active window when there areSwap the upper and lower windows, or swap full size. SwapClick to toggle display of the ClassPad's softKeyboard. Using the Floating Menu Bar to Start Up a ClassPad ApplicationTo change the ClassPad OS screen zoom setting, rightclick anywhere within the window or click. NoteClick a key palette name to display it.

Each key palette can be opened, closed and repositionedNoteClassPad Manager can output algebraic expressions and text you input with the Main application,Q To export a selected algebraic expression to a MathML file. Example To output an algebraic expression input with the Main application to a MathML fileQ To copy a selected algebraic expression as MathML data to the WindowsTo copy data using this type of MathML markup. Select this option. Content. Presentation. Combined. Otherwise, it usesCombinedCopying algebraic Expressions and Text as Unicode Text. You can use the procedure below to copy text or an algebraic expression you selected on the. ClassPad application to the Windows clipboard as Unicode text. Q To copy algebraic expressions or text as Unicode textYou can copy the entire content of an eActivity that is currently opened with the eActivityThe format of the copied data depends on whether it comesCopied as Unicode text. Since a natural display expression that was input withBoth the calculation expression and its result are copied as bitmaps. BecauseCalculation rows cannot be edited within otherThe string " " is inserted in place of the strip. If the strip has a title,Original eActivity. Data Pasted in WordPad. Q To copy an entire eActivityTo specify this option. Select this optionQ Shortcut Menu Commands. To do this. Select this menu item. Change to the Fixedsize Mode. Create a new vcp virtual ClassPad file. File New. Open an existing file. File Open. Save changes to the current vcp file. File Save. Save the current vcp file with a new name. File Save As. Change the home folder. File Change Home Folder. Clear Main memory. File Reset. Reopen one of the four most recently opened files. Recent Documents. Print the current screen. Print. Paste the text on the Windows clipboard. Paste Special. Capture a screenshot of the virtual ClassPad screen to the. Capture Screen. Windows clipboard.

Keep the ClassPad Manager window and all of its subwindows on top of all other windows. Always on top. Minimize the ClassPad Manager window. Minimize. Change the ClassPad OS screen zoom setting. Zoom. Show ClassPad Manager version and other information. About ClassPad Manager. Show information about the license agreement. License Agreement. Start up your browser and go to the CASIO website. Search ClassPad Manual. Open the ClassPad Manager manual. Search ClassPad Manager Manual. Quit the ClassPad Manager application. ExitSelect this menu item. New. Open an existing vcp file. Open. Save. Save As. Reset. Change Home Folder. Export selected math expressions and text to an mml file. Export MathML. PrintExitSelect this menu item. Copy an entire eActivity. Copy Special eActivity. Copy the selected math expression with content markup Copy Special MathML Content. Copy the selected math expression with presentationCopy Special MathML Presentation. Copy the selected math expression with combinedCopy Special MathML Combined. Copy the selected text as Unicode. Copy Special Unicode. Paste text from the Windows

clipboard. Capture a screenshot of the virtual ClassPad screen toCapture Screen. Capture a screenshot of the current active panel to the. Capture Current PanelSelect this menu item. Display the Application menu. Menu. Start up an application. Applicable menu itemSelect this menu item. Keep the ClassPad Manager Window and all of its subwindows onAlways on top. Minimize the ClassPad Manager Window. Change the ClassPad OS screen zoom setting to normal size. Zoom Normal. Change the ClassPad OS screen zoom setting to large size. Zoom Large. Open the ClassPad keyboard. Keyboard. Open the General Math key palette. Palettes General Math. Open the 2D Math key palette. Palettes 2D Math. Open the 2D Math ADV key palette. Palettes 2D Math ADV. Open the Variables key palette. Palettes Variables. Open the Math key palette. Palettes Math. Open the Symbols key palette.

Palettes Symbols. Open the International Characters key palette. Palettes International. Characters. Resize the currently active window when there are two windowsResize. Swap the upper and lower windows, or swap full size windowsSwapSelect this menu item. Toggle Auto Notification of Update between enabled andAuto Notification of Update. About ClassPad ManagerLCD Window. In the Fixedsize Mode, you can display only the screen portion including the Icon Panel of the. ClassPad in a separate window, called the "LCD Window". LCD Window. Q To open the LCD Window. Q To close the LCD Window.