Linux DA O/S for PowerPlay™V

The Embedded Operating System

The Most Advanced Embedded Operating System Solution for the Consumer Electronics Industry.

If you have any technical questions or concerns, please contact our Technical Support professionals at support@linuxda.com

The SDK for Linux DA is available for download at www.linuxda.com/download

The source code for the modified Linux kernel is available at www.linuxda.com/download. This offer is valid for three years for any third party.

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INTRODUCTION

The Linux DA Operating System (O/S) for PowerPlay ™ V and its bundled applications will help you stay organized, be on time, and be able to keep up with daily tasks while you are away from your desk.

Use your new Linux DA O/S to do the following:

- Enter your daily activities in Schedule to remind you of important meetings
- Keep all your contact names, addresses, and phone numbers in Address Book
- Prioritize and assign your tasks with a due date in To Do
- Jot quick notes in Memo
- Track expenses for your expense report

This Linux DA O/S for PowerPlay ™ V User Manual, provides information about performing basic tasks on your Personal Digital Appliance (PDA) and Linux DA Desktop software.

GETTING TO KNOW YOUR LINUX DA O/S ORGANIZER

For hardware information about your PDA, please refer to the booklet 'PDA Reference Guide'. With a Linux DA O/S organizer, you will no longer have trouble getting to meetings and appointments on time, remembering people's names and personal details, or keeping track of all the items on your to do list. The Linux DA O/S can help you improve your track record in all these areas, both at work and at home.

You can enter all your schedule details in Schedule so you can view them by the day, week, or month. Keep all your contact names, addresses, phone numbers, and other details in Address Book, so you can find them as soon as you need them. Add your tasks to Todo, prioritize them so you don't overlook them, and assign them a due date.

To make sure you don't lose any of this important information, you can synchronize your data with Linux DA Desktop software on your computer so you always have a backup copy.

To open an application:

1. Tap the Application you wish to use (Address Book, Memo, Todo, etc.)
2. Tap the icon of the application that you want to open. If you have many applications installed on your PDA, tap the scroll bar to see all of your applications.

Using menus

Menus on your PDA are easy to use. Once you have mastered them in one application, you can use them the same way in all other applications.

To open the menu bar of an application:

- Tap on the application title area at the top-left corner

OR

- Tap on the at the bottom-left corner

Choosing a menu

After you open the menu bar for an application, tap the menu that contains the command you want to use.

The menus and menu commands that are available depends on the application that is currently open. Also, the menus and menu commands vary depending on which part of the application you are currently using. For example in Memo, the menus are different for the Memo screen and the Memo edit screen.

CHAPTER 1: ENTERING DATA

ENTERING DATA

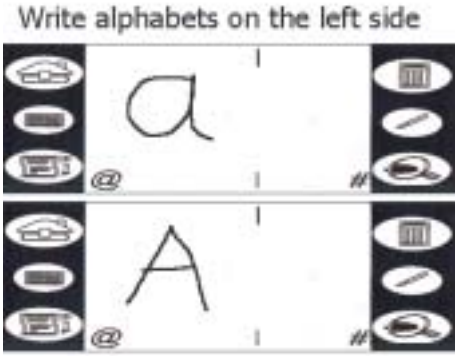
There are several ways to enter data into your Personal Digital Assistant (PDA): by writing with the stylus in the writing area, by using the onscreen keyboards and by using the Linux DA Desktop software. You can also accept beamed data from another Linux DA O/S PDA that is close by and has an infrared port. For beaming instructions see Chapter 3 – *Beaming Data.*

Using Handwriting to enter data

Your Linux DA O/S includes handwriting recognition capability as the primary system for entering text and numbers. With handwriting recognition, you may write the individual letters with the stylus in the designated writing area and each letter is instantly recognized and displayed on your screen. The handwriting recognition engine recognizes natural handwriting, meaning it recognizes the most common way in which alphabets, numbers and symbols are written.

Writing small letters and capital letters

The left side of the hand writing area is designated for writing alphabets.



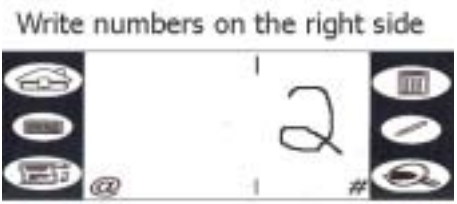
Linux DA recognizes common handwriting strokes. Refer to Appendix A for details of all recognizable writing shapes.

The normal mode is for writing small letters. To write capital letter, you have two choices. You can either use Caps Lock or Shift.

Note: Once you have signaled the Caps Lock mode, you can write in upper or lower case and the letter will be displayed as a capital.

Writing numbers

For numbers, write on the right-hand side of the writing area. Refer to Appendix A for details of all recognizable writing shapes.

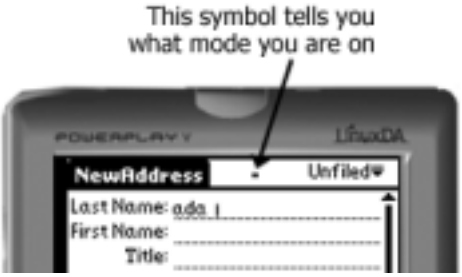


Writing functions

To use any of these six functions you must use your stylus on the designated writing area to indicate what commands you want. The following stylus strokes will provide a shift, caps lock, carriage return, backspace, space, and symbol mode.

Using your stylus, begin where the bigger dot is found on the line and move towards the designated direction.

If you want to enter the symbols mode, tap once on the writing area. A dot will appear on the top of the screen to let you know that you are on symbol mode. Pay attention to the top of your screen because it indicates what mode you are on. No symbol on the top of the screen indicates that you are on Normal mode.



An arrow pointing up means that you are on Shift Mode

An arrow with a dot on the bottom means that you are on Caps Lock Mode

■ A square dot means that you are on Symbol Mode.

Writing symbols

To enter symbols mode, tap once on the writing area (doesn't matter on which side). A dot will appear on the top of the screen to let you know that you are on symbol mode.

Refer to Appendix A for detail of all recognizable writing shapes.

Accessing the soft keyboard

In order to access the soft keyboard you must tap on the keyboard button as shown. It is on the left side of the writing template.

Note: The Soft keyboard will only activate when you are on writing mode.

Linux DA O/S allows the user to select the style of keyboard to use. The two choices are the Natural and the QWERTY keyboard.

Selecting your preferred style of keyboard

1. Tap the **HOME** icon

2. Tap the word “Linux DA” in the top-left corner
3. Tap “Preference..” under the “Option”
4. Tap beside “Keyboard Type”
5. You will be offered two soft keyboard styles (Natural and QWERTY)

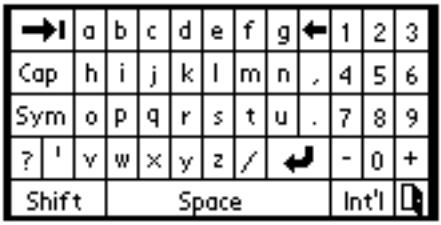
   Natural: the letter layouts are in alphabetical order

   QWERTY: the letter layouts are like the regular keyboard

   Note: Whichever style you select, they both have access to the symbols and the international keyboards.

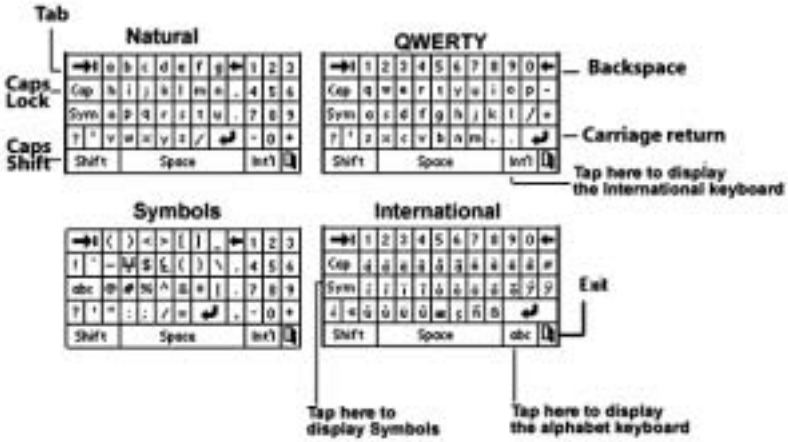
Entering data with the soft keyboard

When you create or edit a record in an application such as Address Book, you can open the soft keyboards to enter data.



1. Open any application (such as Address Book).
2. Tap any record, or tap New.
3. Tap where you want to record information.
4. Tap the keyboard button on the bottom left corner of the writing panel to display the soft keyboard.
5. Tap the characters to enter text and numbers.

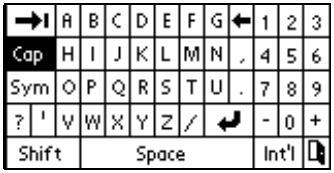
Below are four keyboard styles and their features:



6. Tap the Door icon in the far bottom right to close the onscreen keyboard.

Switching to Capital letters using the soft keyboards

1. Tap the “Cap” on the keyboard. The soft keyboard will now be displayed with all capital letters.



2. Tap the “Cap” again to return to small letters soft keyboard.

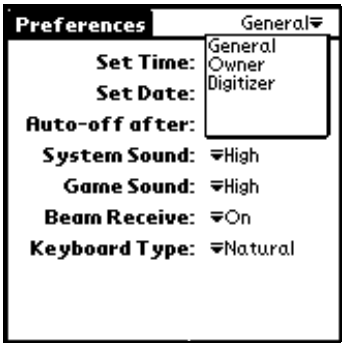
CHAPTER 2: GET TO WORK

Your Application Launcher contains all the applications available. By tapping the word Linux DA you will be connected to the Option list. Here you can select Preference, Set Category, View By, or Speed up your CPU.

SETTING GENERAL PREFERENCES

You can set your PDA's time, date, auto shutoff interval, sound options, beam on/off options and keyboard type.

1. Tap the HOME icon
2. Tap Linux DA title area in the top left corner
3. An Option list will appear, tap Preference



General connects you to the Preference screen where you can perform the setup for the following areas:

Set Time and Date: Set Time and Date.

Auto-off after: You have the option of choosing when you want it to turn off after not being in use for a particular amount of time.

System Sound: You have the option of turning it High, Medium, Low or Off.

Game Sound: You have the option of having it High, Medium, Low or Off.

Beam Receive: You have the option of having it On or Off.

Keyboard Type: You have a choice between two kinds of keyboards Natural, QWERTY as your preferred style of keyboard.

Owner connects you to a section where you can input your personal information.

Digitizer takes you to the calibration screen.

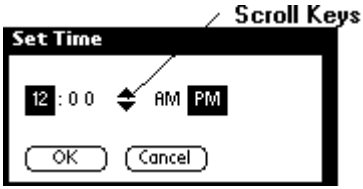
SETTING DATE AND TIME PREFERENCES

Use the Date and Time Preferences screen to set the date and time option on your PDA.

1. Tap the HOME icon
2. Tap Linux DA title area in the top left corner
3. An Options list will drop
4. Tap Preferences

To set the time:

1. Tap the Set Time box.



2. Tap the up or down arrows to change the hour.
3. Tap each number of the minute, and then tap the arrows to change them.

Note: Your PDA can also display time based on a 24-hour clock.

To set the date:

1. Tap the Set Date box
2. Tap the arrows to select the current year.

3. Tap the month.
4. Tap the current date.

Using Category

Each item on the main page can be categorized under: Application, Game, System, or Unfiled. This helps you to organize the different applications on your PDA.

1. Tap on Linux DA. The option menu will pop up.
2. Select Category.
3. Select a category by tapping on the item on the right hand side that corresponds to the application
4. Choose a category

To view files under the different categories.

On the main screen you can choose to view your applications under a specific category. Just tap on the word application on the upper left hand corner on the main screen. You can choose from: All, Application, Game, System, or Unfiled.

Another way to toggle throught the different categories is by tapping on the icon **home**

View By

You can choose to display large icons or small icons to appear on the main screen. Simply tap on the LinuxDA on the main screen. Then under Options choose View By.

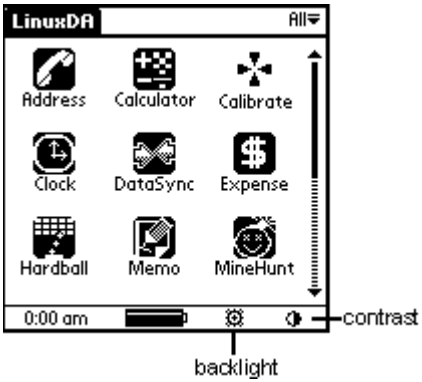
Adjusting the screen

If lighting conditions make it difficult to see the information on your PDA, you can use backlighting and/or adjust the contrast level of the screen.

Using backlighting

User can turn on or off backlighting in two ways.

1. Tap "⚙"at the main screen to turn on or off backlighting



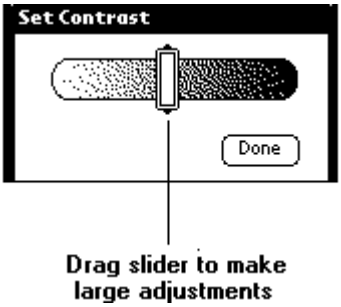
OR

2. Press the Power button for approximately 2 seconds to turn on or off backlighting

> **Note:** The backlighting also turns off automatically after a period of inactivity defined by the Auto-off setting. See "Setting General preferences" at the beginning of this chapter.

Adjusting the contrast

1. To adjust the contrast, tap the Contrast icon "◑" located in the lower-right corner of the screen.
2. Use your stylus to move the contrast bar to the right or left to adjust the contrast setting

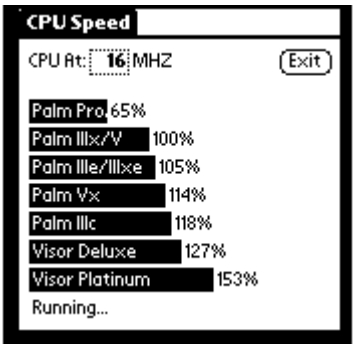


3. Tap Done

Speed up Central Processing Unit (CPU)

To increase the Speed of your CPU:

1. Please wait till it finishes “Running...”
2. Tap the dotted box with MHZ beside it.
3. Tap the number you want to increase or decrease your CPU by.



4. Tap Exit when complete.

Note: You may wish to speed up your CPU if you are using an application you want to be operating faster. When you increase the speed of the CPU you consume more battery power.

You may wish to slow down your CPU if you are using an application such as a game where you do not want it operating too fast. Also when you use the lower CPU speeds the battery will have a longer life span.

CHAPTER 3: YOUR BASIC APPLICATIONS

Your Linux DA O/S includes these basic applications:

- Address
- Blocks game
- Calculator
- Calibrate
- Clock
- DataSync
- Ebook
- Email
- Expense
- FileMan
- Find
- Glines game
- Hardball game
- Memo
- Mine game
- Paint
- Puzzle game
- Schedule
- Snake game
- Tic Tac Toe game
- Todo

COMMON TASKS

The tasks described in this section use the term “records” to refer to an individual item in any of the basic applications: a single Schedule event, Address Book entry, To Do item, Memo, or Expense item.

Creating records

You can use the following procedure to create a new record in Schedule, Address Book, To Do, Memo, or Expense.

To create a record:

1. Select the application in which you want to create a record.
2. Tap New.
3. For example: in Schedule select start and end times for your appointment.
4. Enter text in Notes and tap OK

There's no need to save the record manually because your PDA saves it automatically.

Editing records

After you create a record, you can change, delete, or enter new text at any time. Two screen features tell you when your PDA is in editing mode:

- A blinking cursor
- One or more edit lines

Entering text

For information on how to enter text-using handwriting, or the onscreen keyboards, see Chapter 1 "Entering Data".

USING ADDRESS BOOK

Address Book enables you to store names, addresses, phone numbers, and other information about your personal and business contacts.

In Address Book you can do the following:

- Quickly look up or enter names, addresses, phone numbers, and other information.
- Enter up to five phone numbers (home, work, fax, mobile, pager) and an e-mail address for each name.
- Define which phone number appears in the Address list for each Address Book entry.

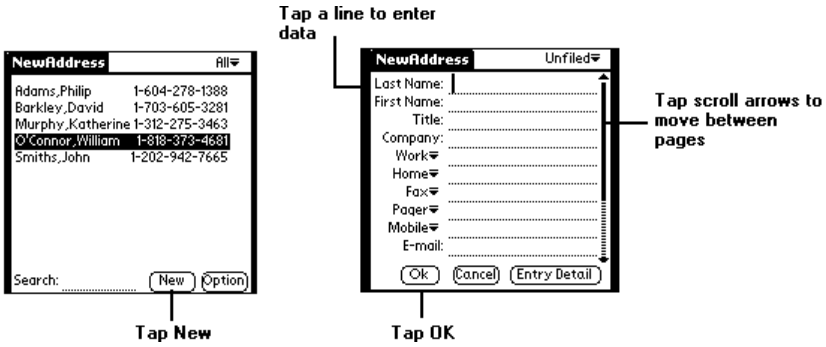
Assign Address Book entries to categories so that you can organize and view them in logical groups (Business, Personal and Unfiled).

To open Address Book:

Press the Address Book application button on the front panel of your PDA or tap the Address icon . Address Book opens to display the list of all your records.

Creating an Address Book entry

1. Tap New



2. Enter the information you want to add

Note: In order to capitalize any letters you must tap the Cap key once. A capitalized alphabet should appear. When you want to revert to lower case letters tap once more on the Cap key.

3. After you finish entering information, tap the Door key to exit.
4. All the information you have recorded will be displayed. Continue this process until you have recorded all the needed information.
5. Tap the next line you want to enter information on.
6. After all the information is entered, tap OK.

Tip: You can also backup a database into Linux DA Desktop software and transfer it to your Linux DA O/S during the next DataSync operation.

Viewing and changing an Address Book entry

1. Tap the entry you want to view or change.
2. Tap Edit.
3. Tap the address category in the upper-right corner of the screen

4. Select any of these settings under the Address main screen:
    - All, Business, Personal, Unfiled, Edit Categories

Note: The addresses filed under that particular category will be displayed on the screen

Deleting an Address Book entry

1. Select the entry you want to delete.
2. Tap Delete
3. A warning will appear asking, “Are you sure?”
4. Tap Yes

USING THE BLOCKS GAME

To open Blocks:

1. Tap the HOME icon
2. Tap the Blocks icon

How to play:

1. Tap Help
2. Tap How_to, this feature will explain how to play the game.

    How_to:

- The idea of the game is to create horizontal lines using the blocks that fall.
- You accumulate points for forming lines with the objects.
- The buttons on your PDA will be used to move the objects on the screen

- The Schedule button moves the objects to the left.
- The Memo button moves the objects to the right.
- The Addressbook and Todo button changes the objects orientation.
- The Down scroll button moves the objects down.
- The Up scroll button pauses the object.
- On the right-hand side of the screen you can see what level you are on (Lv), how many lines you have created (Ln), Your score (Sc) and what block is coming next.

How to exit:

1. Tap the word Blocks in the top left corner
   - Under File Tap exit

USING THE CALCULATOR

The Calculator enables you to quickly insert numbers and get calculations.

In Calculator, you can do the following:

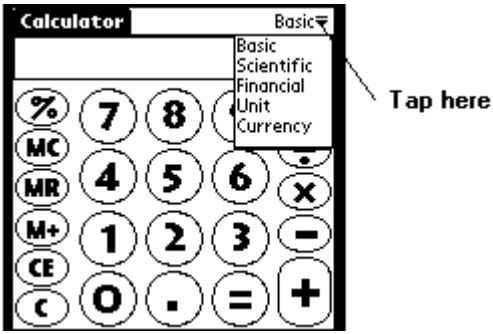
- Perform Basic, Scientific, and Financial calculations.
- Unit conversion
- Currency conversion

To open Calculator:

1. Tap the HOME icon
2. Tap the Calculator icon

To change the Calculator mode

1. Tap on the top right drop box



2. Select the mode you wish to use (Basic, Scientific, Financial, Unit and Currency)

Basic buttons

MC — Clears any value that is stored in the Calculator memory.

MR — Recalls the stored value from memory and inserts it in the current calculation.

M+ — Adds the displayed number to any number already in memory.

CE — Clears the last number you entered. Use this button if you make a mistake while entering a number in the middle of a calculation. This button enables you to re-enter the number without starting the calculation over.

C — Clears the entire calculation and enables you to begin a fresh calculation.

Displays the result of multiplication as a percentage.Enter one number, click *, enter the second number, and then click %. For example, 50 * 25% will display 12.5.You can also perform operations with percentages. Enter one number, click the operator (+, -, * or /), enter the second number, click % and then click =. For example 50 + 25% (of 50) = 62.5.

Other Features

The four other calculators available are:

- Scientific
- Financial
- Unit
- Currency

The Scientific and Financial features use the same buttons and operate the same way as a regular scientific or financial calculator.

The Unit feature has five different conversions, length, volume, area, weight and temperature. Simply select the units of conversion and enter the numeric figure. The calculator will display the conversion.

The Currency feature will displays the conversion rate between the two currencies selected. To update the rate, tap the Rate button.

Note: To update the currency rates you must have a reference from which you get the currency numbers (i.e. Today's newspaper). Select the currencies you wish to update and change the numbers to the current currency rates.

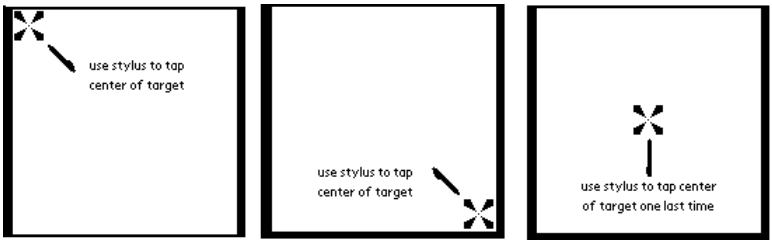
You must also select a Reference Currency, which all other currencies will be compared against. The Reference Currency is found at the bottom of the screen. Once you have selected the Reference Currency all the rates will adjust to compare 1 unit of the Reference Currency to the rest of the currencies.

USING THE CALIBRATOR

Like using a mouse to click elements on a computer screen, using the stylus to tap elements on your screen is a basic action that gets things done on your Linux DA O/S.

The first time you start your Linux DA O/S, setup instructions appear on the screen. These instructions include a calibration screen, or digitizer. Calibration aligns the internal circuitry of your Linux DA O/S with its touch-sensitive screen so that when you tap an element on the screen, the Linux DA O/S can detect exactly which task you want to perform.

Important: Always use the point of the stylus for tapping or making strokes on the screen. Never use an actual pen, pencil, or other sharp object to write on the handheld screen.



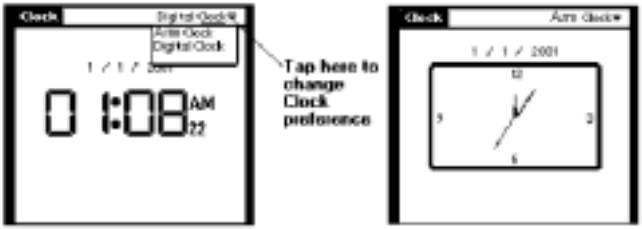
The Calibration icon opens the calibration screen. This is the same screen that appears when you start your Linux DA O/S for the first time. You can recalibrate your screen after a reset, or if your digitizer drifts.

USING THE CLOCK

To open Clock:

1. Tap the HOME icon
2. Tap the Clock icon

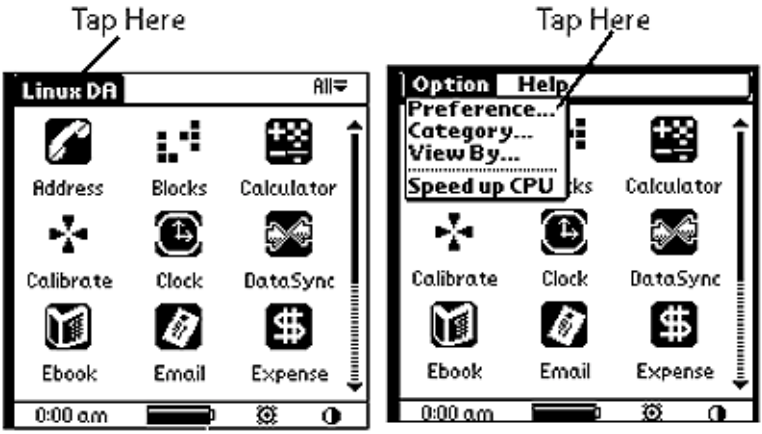
Viewing the time and date

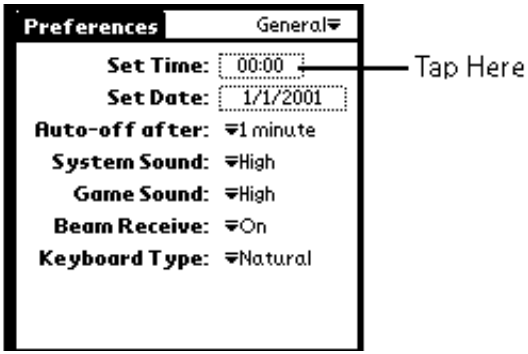


1. The top right drop box enables the user to pick the two different modes (Arm and Digital).

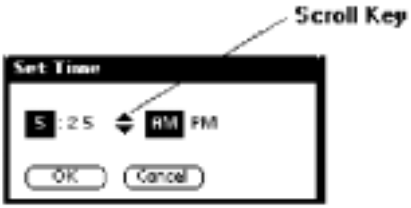
Adjusting the time and date

1. Tap the HOME icon , and then tap Linux DA on the top-left corner
2. Under Options tap on Preference





3. Tap on the box beside Set Time
4. Using the up and down scroll key adjust the time



Note: To set the Date you follow the same procedure, only tap on the month and day you want to be displayed.

USING THE EBOOK

Ebook

The Ebook application allows you to view doc, text, and HTML formats that have been converted to the Linux DA's Ebook format.

Viewing an Ebook

Follow the instructions on the DataSync Ebook section to convert doc, text or HTML formats to Linux DA's format. After that is complete, follow the instructions below to view the Ebook on your PDA.

1. Execute the Ebook applcation on the Main Menu to display the Ebook program screen.
2. Tap on the Ebook title you would like to view or highlight the Ebook title and tap Show.
3. There are two methods to advance to the next page on your Ebook. You can either page down manually by tapping on the screen, tapping on the scroll bar, or pressing the scroll button; Or you can have the PDA automatically advance each page for you.
4. If you would like to have the PDA automatically advance each page for you tap on Auto. If you decide to stop the Auto option tap on the screen.
5. To exit the Ebook, tap on return to go back the main page.

Viewing Options

1. Tap Option. From there you can customize the font size, line spacing, and auto speed.

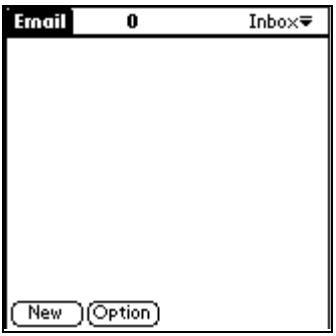
- Under Font Size you can choose: Small Font, Medium Font, and Large Font. With the Larger Font selection sometimes the linespacing has to be adjusted to allow for the size of the text to fit on the line.
- Under Line Spacing you can choose a number from 1 to 8
- Auto Speed allows you to control the speed your text pages advance.

2. Tap O.K. to exit the Option screen.

USING THE EMAIL

The Email application allows you to send and/or retrieve email from the Email software installed on your desktop PC.

Execute the Email application on the Main Menu to display the Email program screen



With Email, you can do the following:

- View, Delete, and Reply to incoming messages.
- Create drafts of messages that you can complete them later.
- Create outgoing messages and send them from your desktop E-mail application via the serial cable.

There are three email boxes in the menu located at the top-right corner. They are the “Draft”, “Inbox” and “Outbox” as explained on the following.

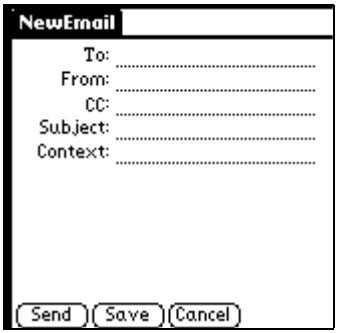
1. Draft: When a newly created message was saved instead of sent, it will be stored in this box.

2. Inbox: When you run DataSync on your PDA, the email messages in the “Inbox” of the desktop DataSync program will be copied to this “Inbox”. You can view, reply or delete the email messages.

3. Outbox: When a newly created message was sent instead of saved, it will be stored in this box.

How to create a message on Email:

1. Tap the New button, a dialog screen will appear as the following



2. Enter the Internet email addresses you want to send at the “To” field.

3. Enter your Internet email address at “From” field. The last email address entered will be automatically remembered.

4. Enter the Internet email addresses you want to copy to at 'CC'.
5. Enter the email subject at the 'Subject'.
6. Enter the email message at the "Content".
7. Click the "Send" button to send the mail. The mail message will be saved at the Outbox.
8. Click the "Save" button to save the mail. The mail message will be saved at the Draft Box for later editing before it is sent out.
9. Tap the "Option" button, a dialog will appear which allows you to choose what information you, want to display.

USING EXPENSE

The Expense Application enables you to keep track of your expenses. In Expense, you can do the following:

- Record dates, types of expenses, amount spent, payment method, and other details associated with any money that you spend.
- Assign expense items to categories so that you can organize and view them in logical groups.
- Keep track of vendors (companies) and people involved with each particular expense.
- Log miles traveled for a particular date or expense category.
- Sort your expenses by date or expense type.

To open Expense:

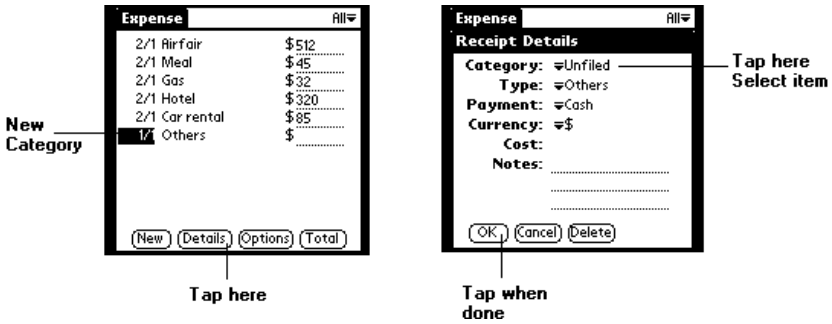
1. Tap the HOME icon
2. Tap the Expense icon

Creating an Expense Entry

1. Tap New

   Note: A new category will appear titled Other.

2. Tap Details, a 'Receipt Details' dialog box will appear



2. Select the category you want the item labeled as.
3. (Optional) using the keyboard enter a little note
4. Tap OK when done

Tip: To quickly enter the category or enter the date tap on the item and adjust accordingly.

Viewing and changing Expense Entry

1. Tap the entry you want to view or change
2. Tap Details, a 'Receipt Details' dialog box will appear
3. Select the category or categories you want to change

4. Once you have made all changes tap OK

To change the date:

1. Tap on the date and the 'Set Date' dialog box appears
2. Tap the day
3. Tap the month
4. Tap the year
5. Tap OK

Note: For further instructions on how to use 'Set Date' see Date Book

Deleting an Expense entry

1. Tap the entry you want to delete
2. Tap Details
3. Receipt Details dialog box will appear tap Delete

4. Delete Expense dialog box will appear tap OK

Expense Options

This feature allows you to select what elements of the list you would like displayed in the list.

1. Tap the Expense icon
2. Tap Options

3. Select the items you want displayed on the Expense list

Change Currency

1. Tap Expense in the top right corner
2. Tap Options

3. Tap Customize Currencies an 'Edit Currency' dialog box appears
4. Tap the country you want to change
5. Tap OK

Total Feature

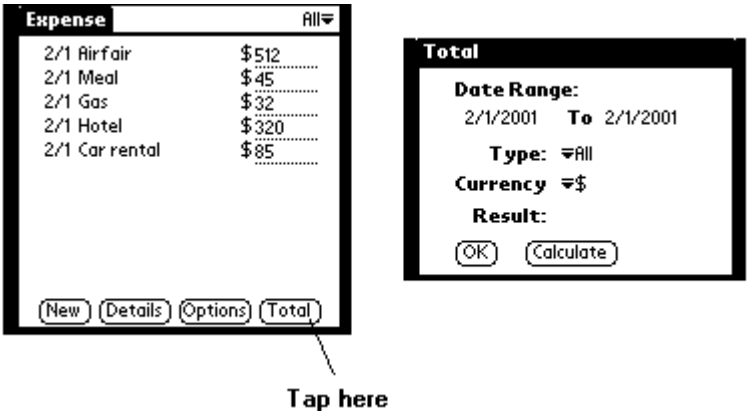
This feature totals all your expenses for a particular date range, type, or currency.

How to total something:

1. Tap Total in the expense dialog box.
2. A dialog box labeled Total will appear select the method of totaling you wish to use.

   For example if you wish to know how much you have spent on Car Rentals between March 7, 2001 and March 20, 2001with Canadian Currency:

   1. Tap Total
   2. Tap the date to insert the starting date
   3. Tap the To: date to insert the finishing date
   4. Beside Type tap and select Car Rentals
   5. Select the Currency, Canadian
   6. Tap Calculate



USING FILEMAN

The File Manager is a way of seeing explicitly how files are organized in your PDA. The Files are organized hierarchically in directories. The FileMan shows you the information in your current directory and the files in that directory. You can also view the contents of the file.

To use FileMan:

1. Tap the FileMan icon.
2. You will immediately see the Path you are in and which files and sub-directories are contained in the path.
3. Tap on the file name to see what is contained in the directory.
4. You will notice that there are files with the symbols one period or two periods. The one period shows you your current directory. Tapping on the file with two period symbols brings you to your parent directory.

   . –current directory

   .. –parent directory

5. You can view the hexadecimal content of the selected file by tapping on the View option on the upper right hand corner. To view the ASCII format tap the Text option on the bottom of the screen.
6. The Exit option on the bottom of the screen will bring you back to the previous screen.

USING FIND

You can use Find to locate any text that you specify, in any of the 4 applications schedule, address book, to do and memo.

To use Find:

1. Tap the Find icon
2. Enter the text that you want to find:
3. Select the Case sensitive, Exact word or neither of the boxes.

   Case sensitive: Will locate the word you have entered. Specifically this feature focuses on the upper and lower case lettering. For example, searching for the name “smith” also finds “smith’s”.

   Exact word: Will only locate the word as you have entered it. For example, searching for the name “pen” will only find “pen”.

   Nothing: Taping neither of the boxes will create a search that locates any words that begin with the text you enter. For example, searching for “rain” finds “rainbow”.
4. Tap Search

   Find searches for the text in all records and all notes.
5. Tap the text that you want to review.

   The search you are looking for may not appear on the first search list use the Next button to view more findings. If you wish to return to a previous finding use the Back button to view these listings.

   The Main button will take you to the search page where you had entered your information.

   The Exit key will return you to the Applications menu

USING THE GLINES GAME

To open Glines:

1. Tap HOME icon
2. Tap the Glines icon

How to play:

1. Tap Help
2. Tap How_to, This feature will explain how to play the game.

   How_to:

   - The idea of the game is to create straight lines with 5 of the same object
   - You accumulate points when you complete a line
   - Each line you complete accumulates 10 points
   - Use your stylus to move the objects
   - Tap the object you wish to move (this object will now be highlighted)
   - Tap the square where you wish the object to go
   - Each time you select where you want to go more objects will appear on the screen
   - To view the highest score tap Glines in the top left-hand corner then tap highest score

USING THE HARDBALL GAME

To open HardBall:

1. Tap the HOME icon
2. Tap the HardBall icon

How to play:

1. Tap the HardBall icon
2. Tap the word HardBall in the top left corner
3. Tap Help
4. Tap How_to, this feature will explain how to play the game.
5. How_to:
   - The idea of the game is to hit all the bricks with the ball before the ball falls to the bottom of the screen
   - To start the momentum of the ball, press on the center bottom button of your PDA
   - Use the side buttons on your PDA to move safety platform from side to side
   - The Option menu allows the user to adjust the stage and speed levels.

How to exit:

1. Tap the word HardBall in the top left corner
   - Under File Tap exit

USING MEMO

Memo provides a place to store information that is not associated with Schedule, Address Book, or To Do. A record in Memo is called a "memo". Each memo can contain up to 200 characters. The number of memos you can store is dependent only on the memory available on your PDA.

In Memo, you can do the following:

- Take notes or write any kind of a message on your PDA.
- Assign memos to categories so that you can organize and view them in logical groups.
- Write down phone numbers and other types of information.

To open Memo:

1. Press the Memo application button on the front panel of your PDA. Memo opens to display the last Memo screen that you viewed.

Note: Press the up and down scroll key repeatedly to cycle through the categories in which you have memos.

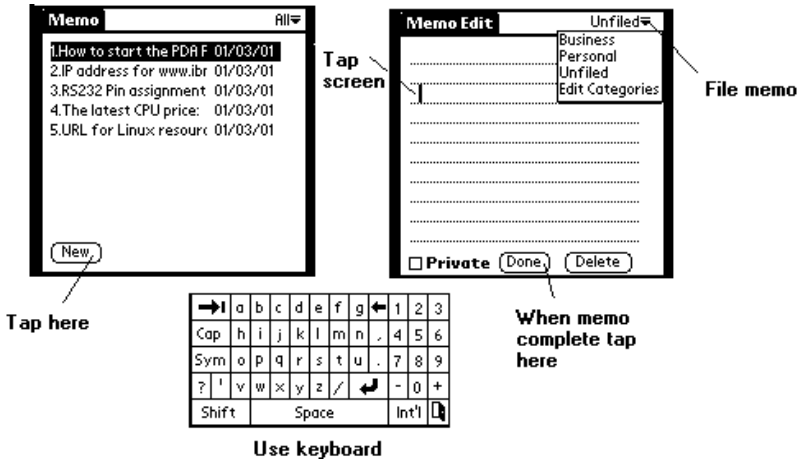
2. Tap the Memo Application icon to display the memo list

To create a new memo

1. Tap New
2. Tap the keyboard icon or begin writing in the writing area to enter text you want to appear in the memo. Use the carriage return stroke to move down to new lines in the memo.
3. Tap Done

Reviewing and changing a memo

1. In the Memo list, tap the text of the memo.



2. Review or edit the text in the memo.
3. Tap Done.

Deleting a memo

1. Select the memo you want to delete.
2. Tap Delete in the Memo Edit dialog box.

USING THE MINEHUNT GAME

To open MineHunt:

1. Tap the HOME icon
2. Tap the Mine icon

How to play:

1. Tap the word MineHunt in the top left corner
2. Tap Help
3. Tap How_to, this feature will explain how to play the game.

How_to:

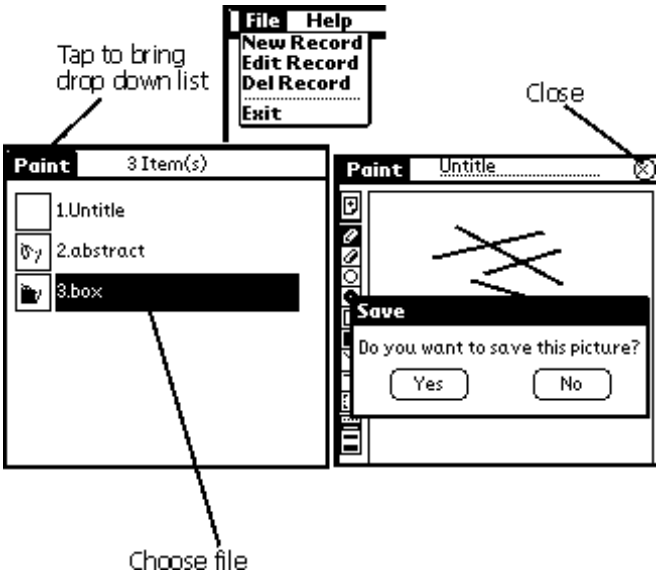
- Your goal is to uncover all the squares which to do not contain mines. Initially, the playing field is covered with hidden squares. Hidden among these squares are a number of mines.
- You uncover squares by clicking on them. The number on the square indicates how many of the neighboring squares contain mines.
- If you uncover a square containing a mine, you lose.
- The Preference menu allows the user to set the number of mines hidden in the game.

How to exit:

1. Tap the word MineHunt in the top left corner
2. Under File Tap exit

USING PAINT

Paint lets you quickly and easily draw pictures using the tools on the left side of the screen.

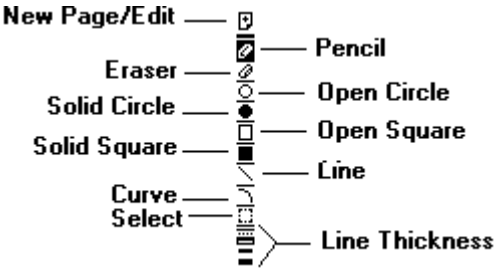


To open Paint:

1. Tap the HOME icon
2. Tap the Paint icon or the Paint icon on the right side of the writing area.
3. Tap on the Paint title bar and choose New Record from the File drop down list.

Features

To use any of the drawing features, using your stylus, tap on the one you want to use, and then place the stylus on the screen.



USING PUZZLE

To open Puzzle:

1. Tap the HOME icon
2. Tap the Puzzle icon

How to play:

1. Tap the Puzzle icon
2. Tap the word Puzzle in the top left corner
3. Tap Help
4. Tap How_to, this feature will explain how to play the game.

   How_to:

   - The idea of the game is to place the numbers in the correct order from left to right and up to down
   - The stage menu allows the user to choose the level of difficulty

How to exit:

1. Tap the word Puzzle in the top left corner
2. Under File Tap exit

USING SCHEDULE

The Schedule lets you quickly and easily record appointments or any kind of "event" associated with a time and date.

In Schedule, you can do the following:

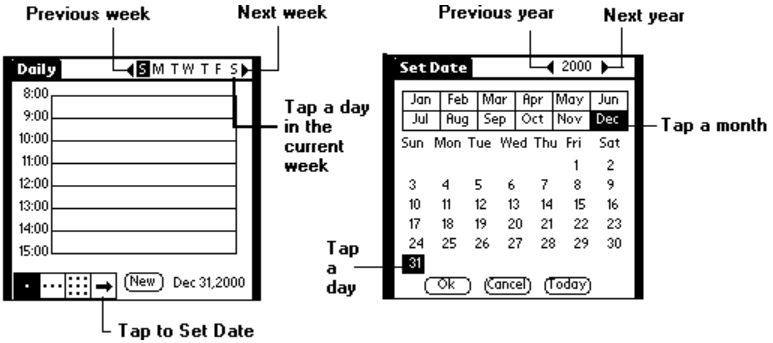
- Enter a description of your appointment and assign it to a specific time and date.
- Display a chart of your appointments for an entire week. The Week View makes it easy to spot days where you have morning, lunch, or afternoon appointments.
- Display an agenda showing appointments, and your To Do items for the day.
- Create reminders for events that are based on a particular date, rather than time of day. Birthdays and anniversaries are easy to track with your PDA.
- Attach notes to individual events for a description or clarification of the entry in your Schedule.

To open Schedule:

1. Press the Schedule application button on the front panel of your PDA. Schedule opens to today's events.
2. Tap the Schedule Application icon on your PDA.

Creating an event

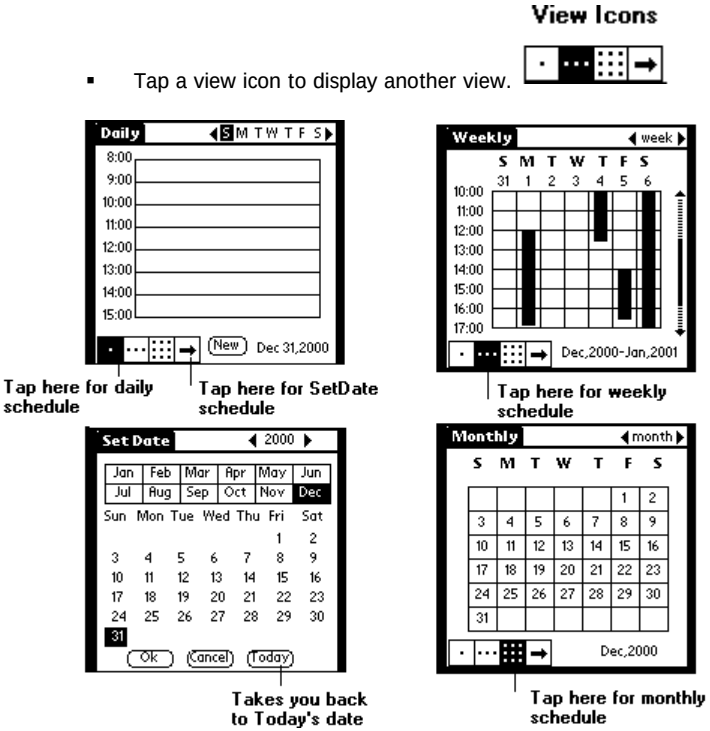
1. Select the date you want for the event



2. Tap the line for the time the event begins and enter a description.
3. If the event is longer or shorter than an hour, tap the time of the event to set the duration, and then tap OK.
4. A time bar appears next to the time, indicating the duration of the event.

Changing the Schedule view

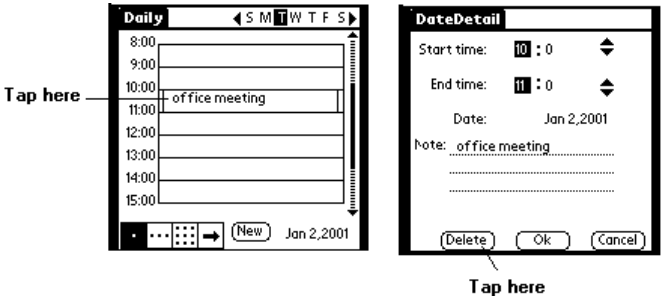
In addition to displaying the time list for a specific day, you can also display a whole week, a month, or an agenda.



- Tap a view icon to display another view.

Deleting an event

1. Select the event you want to delete (This opens Date Detail)
2. Tap Delete



USING THE SNAKE GAME

To open Snake:

1. Tap the HOME icon
2. Tap the Snake icon

How to play:

1. Tap the Snake icon
2. Tap the word Snake in the top left corner
3. Tap Help
4. Tap How_to, this feature will explain how to play the game.

How_to:

- The idea of the game is change the direction of the snake without its body touching the sides
- The settings menu allows the user to adjust the speed, stage, and define the buttons
- The buttons that can be defined are the Schedule key, the Address key, the Up and Down Scroll keys, the To Do key and the Memo key.

How to exit:

1. Tap the word Snake in the top left corner
2. Under File tap exit.

USING THE TIC TAC TOE GAME

To open Tic Tac Toe:

1. Tap the HOME icon
2. Tap the Tic Tac Toe icon

How to play:

1. Tap the Tic Tac Toe icon
2. Tap the word Tic Tac Toe in the top left corner
3. Tap Help
4. Tap How_to, this feature will explain how to play the game.

How_to

- The idea of the game is to get three O's in a row before the computer gets three X's in a row.

How to exit:

1. Tap the word Tic Tac Toe in the top left corner
2. Under File Tap exit

USING TO DO

To Do is a convenient place to create reminders and prioritize the things that you have to do. A record in To Do is called an "item".

In To Do, you can do the following:

- Make a quick and convenient list of things to do.
- Assign a priority level to each task.
- Assign a due date for any or all of your To Do items.
- Assign To Do items to categories so that you can organize and view them in logical groups.
- Sort your To Do items for a description or clarification of the task.

To open To Do:

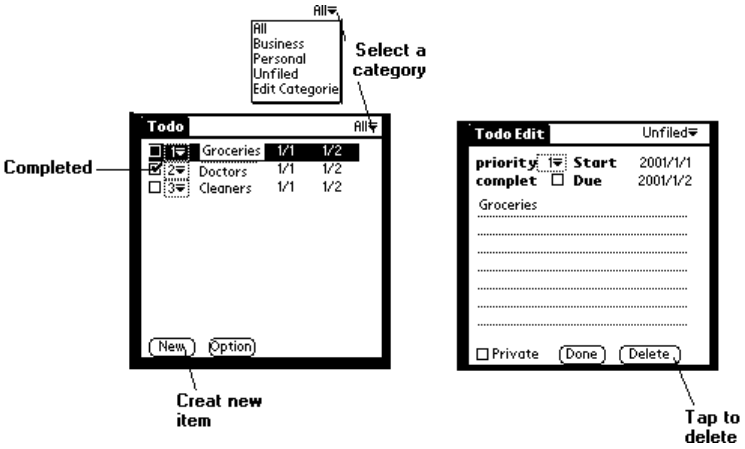
1. Press the To Do application button on the front panel of your PDA. To Do opens to display the category of items you last viewed.

   Note: Press the To Do application button repeatedly to cycle through the categories in which you have items.

2. Tap the To Do application button on your PDA.

Creating a To Do item

1. Tap New



2. Enter a description. The text can be longer than one line.
3. (Optional) Tap the Priority number on upper-left side of the item and set the Priority number (1 is most important).

Note: When you create a new To Do item, its priority is automatically set to level 1. If you select another item first however, the item you create appears beneath the selected item with the same priority as the selected item.

4. Tap Done.

Changing a To Do item

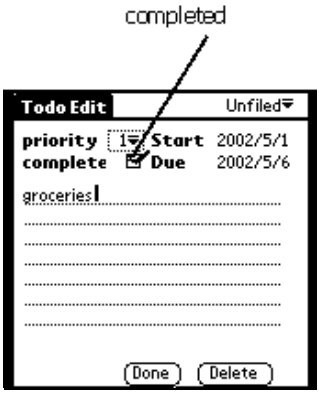
1. Tap the text of the item you want to change.
2. Tap the Due Date pick list and select a date for the item:

   Today will return you to today's date

3. Tap the word you want to correct or delete
4. Tap the keyboard on your screen, use the backspace button on the keyboard to make corrections
5. Tap the Door key to exit the keyboard
6. Tap Done to view your new To Do

Making a To Do item complete

- Tap the check box on the left side of the item



Deleting a To Do item

1. Select the item you want to delete.
2. The To Do Edit screen will appear

3. Tap Delete

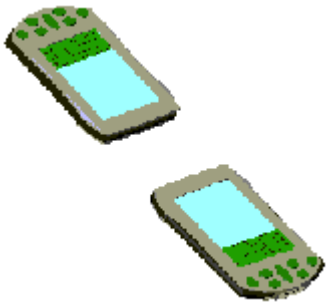
BEAMING INFORMATION

You can use the IR (infrared) port on your Linux DA O/S to beam the following information to another PDA that is close by and also has an IR port:

- The record currently displayed in the Schedule Book, Address Book, To Do or Memo.
- All records of the category currently displayed in Address Book, To Do, or Memo
- A special Address Book record you designate as your business card that contains information to exchange with business contacts

Beaming data

1. Locate the record or category you want to beam
2. Tap the Menu icon
3. Tap Record, and then tap the appropriate Beam command.
4. When the Beam Status dialog box appears, point the IR port on the top of your Linux DA O/S at the IR port of the receiving PDA.



5. Wait for the Beam Status dialog box to indicate the transfer is done.

Receiving beamed information

1. Turn on your PDA with Linux DA O/S.
2. Ensure Beam Receive is at On under Preferences.

3. Point the IR port on the top of your PDA with Linux DA O/S at the IR port of the transmitting PDA.
4. Tap Yes.

Beaming your business card

1. Create an Address Book entry with your business card information.
2. Tap the Menu icon.
3. Tap Select Business Card.
4. Tap Yes.
5. Tap the menu icon again.
6. Tap Beam Business card to beam your business card

   .

CHAPTER 4: LINUX DA DESKTOP

Linux DA Desktop software is mainly the DataSync program, which contains some applications as your PDA, and data conversion capabilities. You can use the DataSync to backup, synchronize data between your PDA and your desktop computer, and convert data from other programs to Linux DA's format.

If you are upgrading, you may want to create a copy of your old Desktop software folder and its contents before installing your new Linux DA Desktop software. This is optional. If you do this, rename the copied folder, and store it outside of the Linux DA Desktop software.

INSTALLING LINUX DA DESKTOP SOFTWARE ON A WINDOWS COMPUTER

1. Turn on your computer.
2. Exit any open programs, including those that run automatically at startup (such as Microsoft Office) and virus-scanning software.
3. Insert the Linux DA desktop software CD into the CD-Rom drive.

   Note: If installation does not begin, click the Windows Start button, choose Run, enter D: \ setup.exe, and then click OK. If necessary, replace D: with the drive letter assigned to your CD-ROM drive.
4. Follow the onscreen instructions to complete the installation. During installation, you may be asked to connect your PDA with Linux DA O/S to the DataSync connection.

Entering data with Linux DA Desktop software

Linux DA Desktop software enables you to use your computer keyboard to enter or import information.

1. Open Linux DA Desktop software:
2. Enter the information in the Linux DA Desktop software.
3. Perform a DataSync operation. See "Synchronizing data: Performing the first DataSync operation" below for details.

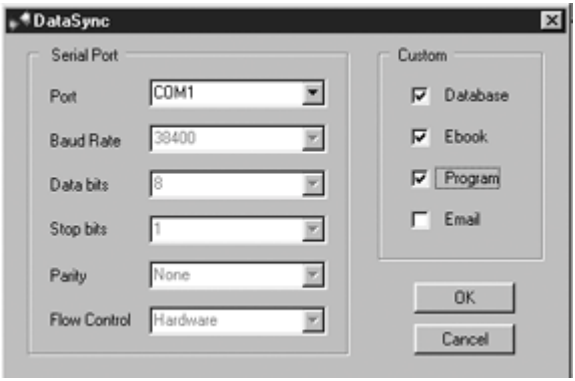
SYNCHRONIZING DATA: PERFORMING THE FIRST DATASYNC OPERATION

The DataSync process automatically synchronizes – that is, exchanges and updates – data between your PDA and Linux DA Desktop software. Changes you make on your Linux DA O/S and Linux DA Desktop software appear in both places after a DataSync operation.

1. Connect your PDA to the computer by following the instructions outlined in your PDA user manual.

2. On your computer open the Linux DA Desktop and open DataSync .

   Note: You can customize the selection of programs to synchronize by clicking clicking on the Options button. This dialog box will display.



3. On your PDA press the Sync button on the Sync Cable or select the DataSync Icon on your screen.

4. The synchronizing process will now begin. Your dialog box will display the information being synchronized.

5. On the computer under DataSync the Status folder will also allow you to view the information being synchronized.

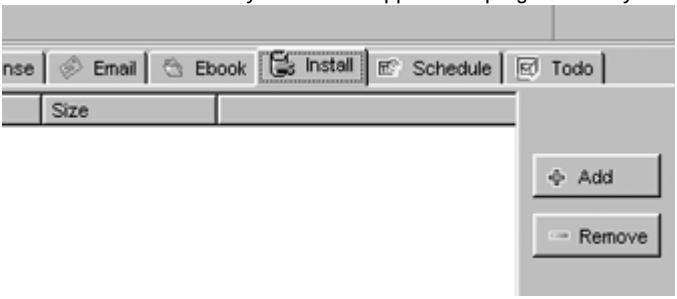
6. Wait for a message on your PDA indicating that the process is successful.

7. Click OK.

Note: If you cannot perform a DataSync operation, first check the cables to ensure they are all properly plugged in. Secondly, on your desktop right click on 'My Computer' select 'Properties' click on Device Manager and check your Serial.

DataSync Install Feature

The Install feature allows you to install appllication programs into your PDA**.**



1. Click Add

   A pop-up screen will appear that will allow you to select the program you want to install into your PDA.

2. Click the file you wish to add
3. Click Open

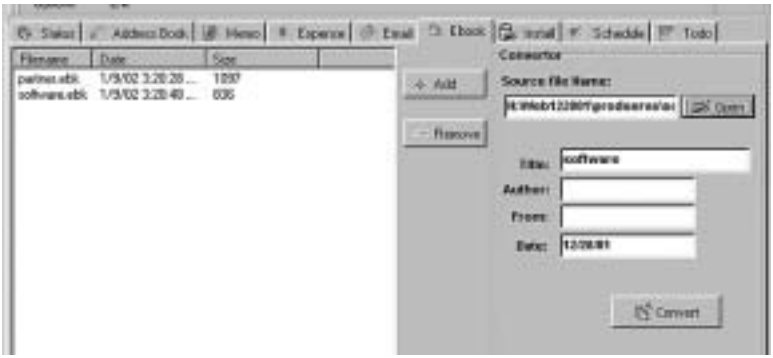
   Note: This file will now appear on your Install screen on the computer.

When you perform the DataSync this file will be transferred into the PDA. Once the DataSync has been performed you will find your file under the Unfiled category. The unfiled category is located in the drop down box in the Applications menu in the upper right-hand corner. The file will remain under the unfiled heading until you change its location.

Note: To remove any files select the file then click Remove on the Install screen.

DataSync Ebook Feature

This feature allows you to convert different Ebook formats and install them onto your PDA. On the E-Book screen there is a section called Converter.



How to convert a file into Ebook:

1. Under Source file Name click Open
2. Select the document you wish to convert

   Note: Currently only TXT, DOC (in Palm's pdb) and HTML Files can be converted
3. Click Open
4. Once this is accomplished you may click Convert.

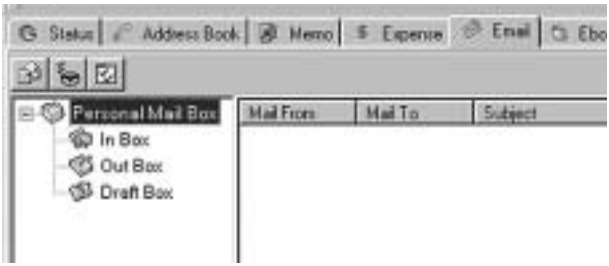
   A pop up screen will appear that reads, Converted Successfully.
5. Click Add

   A pop up screen will appear that will allow you to select the file you have converted. Make sure you select the file that has an "ebk.The file will appear in the Filename box until a DataSync is performed.

If you wish to remove the file, select the file and click Remove.

DataSync Email Feature

This feature allows you to exchange email messages with your desktop E-mail application. We currently support MS Outlook Express and MS Outlook 2000. On the Email folder screen, there are three function buttons called New Mail, Exchange Mail and Option.



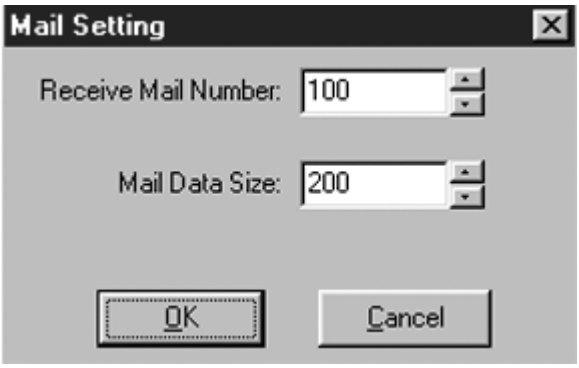
How to create New Mail in the Email:

1. By clicking the New Mail button, a dialog screen will appear.
2. Enter the Internet email addresses you want to send at the 'Mail To:' field
3. Enter the Internet email addresses you want to forward at 'Forward To:' field
4. Enter the email subject at the 'Subject:' field
5. Enter the email message at the body of the dialog box.
6. Click the Send button or select the Send function under the File button to send the mail. The mail message will be saved in the Out Box, which is under the Personal Mail Box.

How to exchange e-mail with your desktop E-Mail application software using the Data Sync's Email:

You need to set up your desktop E-Mail application software before you can exchange email message for the first time. Make sure your desktop E-Mail application is up and running. The DataSync supports desktop E-Mail applications with MAPI communication interface, such as Microsoft Outlook and Outlook Express. Make sure your DEFAULT desktop E-Mail application is set up to have the MAPI enable.

1. Click the “Option” button to set the number and mail size of email message you want to retrieve from your desktop E-Mail application



2. Click the “O.K.” button to conform and close.
3. Click the Exchange button to send and/or retrieve email messages with your desktop E-Mail application.
4. Click the In Box under the Personal Mail Box to view the email messages that were retrieved from your E-Mail application.
5. The email messages that you created on the Out Box will be sent out through your E-Mail application.

How to convert Palm Address Book

1. Using Palm's desktop program, export the address book as a CSV file (select all the fields)
2. Click Browse and select the CSV file just created
3. Click Convert Palm to convert the address book into Linux DA

How to convert Outlook Express 5.0 Address Book

1. Using Outlook Express 5.0, export the address book as a CSV file (select the following fields)

First Name, Last Name, E-mail Address, Home Street, Home City, Home Postal Code, Home State, Home Country, Home Phone, Home Fax, Mobile Phone, Business Phone, Pager, Company, Job Title

2. Click Browse and select the CSV file just created
3. Click Convert Outlook Express to convert the address book into Linux DA

How to convert Outlook 2000 Address Book

1. Open Outlook 2000, and click File
2. Select Import and Export
3. Select Export to a file
4. Select Comma Separated Values (DOS)
5. Select Contacts
6. Input a file name for the CSV file and save it
7. Open AddressBookConverter
8. Click Browse to select the CSV file generated at step 6
9. Click Convert Outlook to convert the data into Linux DA

How to convert Outlook Business Card

1. Click Browse to locate the Outlook Business Card file that you want to convert. This Outlook Business Card file has an extension of VCF.
2. Click Outlook Business Card to convert the data
3. Click YES to append the data into Linux DA
4. Click NO to cancel

How to convert ACT 2000 Address Book

1. Using the Act 2000 program, export the address book as a CSV file
2. Go to File -> Data Exchange -> Export
3. Input the exported file name -> Select Contact Records Only -> Select Records
4. Click Finish

How to convert Maximizer 6.0 Address Book

1. Using Maximizer 6.0 program, export the address book as a CSV file

2. File -> Export Address Book Entries -> Input a exported file name ->
3. Add Available Maximizer fields; please input the following fields in order:

   Address Line 1, Address Line 2, City, Company, Country, Email Address, First Name, Last Name, Phone1, Phone2, Phone3, Phone4, Phone1 Extension, Phone2 Extension, Phone3 Extension, Phone4 Extension, Position, State/Province, Zip/Postal Code

   Attention:

   The converter only converts the following phone extensions:

   Home; Work; Main; Fax; Cell; Pager

   If the phone extension is not included in the previous list, it will be moved to "other". If there is more than one phone number moving to "other", the new appended phone number will overwrite the previous one.

How to convert GoldMine 5.5 Address Book

1. Using the GoldMine 5.5 program, export the address book as a CSV file.
2. Go to Tools -> Import/Export Wizard -> Export Contact Records.
3. Select Export to New File and ASCII File
4. Select Filter/Group.
5. Add Available GoldMine fields, please input the following fields in order

   Address1, Address2, Address3, City, Company, Contact, Country, Email Address, Ext1, Ext2, Ext3, Ext4, Fax, Last Name, Phone1, Phone2, Phone3, State, Title, Zip.

6. Input an exported file name.

   Attention:
   The converter only converts the following phone extensions: Home, Work, Main, Office, Cell, Mobile, Cellular, Pager and Page. If the phone extension is not included in the previous list, it will be moved to "other". If there is more than one phone number moving to "other", the new appended phone number will overwrite the previous one.

How to convert Palm Memo Pad

1. Using the Palm Desktop program, export the Memo Pad as a CSV file.
2. Go to View -> Memo Pad
3. Go to File -> Export
4. Input the exported file name
5. Select "Comma Separated (*.csv, *.txt)" for File Type

6. Select the data range "All" or "Current selected records"
7. Click "Export"

Note: The converted records will appear when you open the DataSync program, and the information will transfer over in the next Sync session.

How to convert Palm To Do List

For Palm Desktop Program 4.0:

1. Using the Export function to export the To Do List as CSV file
2. Go to View -> To Do List
3. Go to Edit -> Select All -> Send -> Excel
4. MS Excel will be opened and data will be sent to Excel
5. In MS Excel, go to File ->Save As
6. Select "CSV (MSDOS)" as file type
7. Input the exported file name

For Palm Desktop Program 3.1:

1. Using the Export function to export the To Do List as CSV file
2. Go to View -> To Do List
3. Right Click to Select All the records, drag and drop into Excel Icon
4. MS Excel will be opened and data will be sent to Excel
5. In MS Excel, go to File ->Save As
6. Select "CSV (MSDOS)" as file type
7. Input the exported file name

How to Update the Exchange Rate

1. Make sure the internet connection is ready
2. Double Click the Exchange Icon
3. Click the “Go” button

APPENDIX A – HANDWRITING

Handwriting Recognizable shapes for Linux DA O/S.

FUNCTION KEYS

Function Keys	Recognizable Shapes
Space	
Back Space	
Shift	
Caps Lock	
Return	
Symbol Shift	

CAPITAL LETTERS

Letters	Recognizable Shapes				
A					
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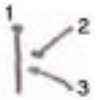
K					
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SMALL LETTERS

Letters	Recognizable Shapes			
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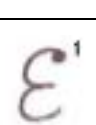
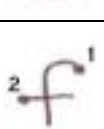
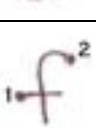
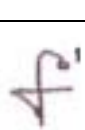
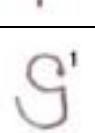
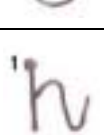
e				
f				
g				
h				

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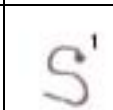
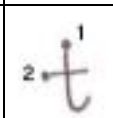
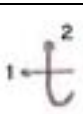
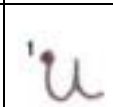
s				
t				
u				
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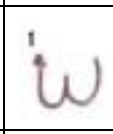
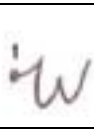
w				
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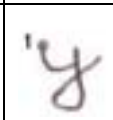
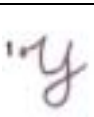
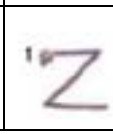
y				
z				

NUMBERS

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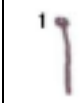
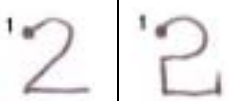
1				
2				
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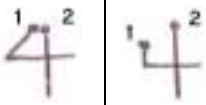
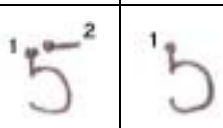
4				
5				
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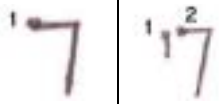
7				
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SYMBOLS

Symbols	Recognizable Shapes			
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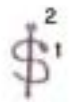
$				
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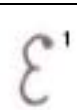
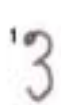
{				
}				
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