PDA Requirement: Making the Best of your PDA’s

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Clinical Foundations 2004

Objectives
- Tour of AvantGo
  - What is “AvantGo”?“
  - Tour of AvantGo (sync.medsch.ucla.edu)
  - Subscribe/delete “Channels”
  - Add own channels
  - Changing Clerkships via the PDA Log
  - Tour of PDA Log web site
- Tour of PDA Requirements web site
  - Navigating the site
  - Review of PDA resources on the Web

Objectives
- Managing info on your PDA’s
- Knowing your PDA- menus and settings
- Using PDA’s in clinical settings
- Troubleshooting your PDA

Basics
- Key Points
  - Fear not breaking your PDA
  - Information is more vital and valuable
  - Synchronization with your desktop provides valuable backup
  - Think about how you naturally organize activities and information then implement this strategy on PDA
  - Enter information on either PDA or desktop

Review of Your PDA
- Home
- Menu
- Calculator
- Find
- Calendar
- Addressbook
- Todo
- Memo
- Graffiti area
- Other devices have additional buttons
Text Entry

- Graffiti
- Virtual Keyboard

Graffiti

Virtual Keyboard

Grafitti

Letters area

Numbers area

Invoke keyboard

Invoke numeric keyboard

Additional Text Entry

- Use 3rd party applications
  - Word Complete
  - www.cic.com
  - Text Plus
  - www.smartcell.com

Examples

- Use 3rd party applications
  - Word Complete
  - www.cic.com
  - Text Plus
  - www.smartcell.com

Calendar

- Tap onto time slot
- Adjust times
- Enter information
- TIPS
  - use repeat function
  - attach notes
- More functions
  - use Datebk5
  - or Agenda
  - Standard/Professional

Calendar – Alternative views
Addressbook
- Enter information
- Create categories
- Utilize drop lists
- TIPS
  - set business card
  - attach notes
  - reverse lookup - use find feature
- More functions
  - AddressPlus

Alternatives: Address Plus

Set Your Business Card

More Set Your Business Card
**To Do**

- Enter information
- Create categories
- Use priorities
- Use due dates
- **TIPS**
  - Attach notes
  - Keep list managed
- **More Functions**
  - To Do Plus
  - ToDo2 [http://www.palmgear.com/ak Haiti/softwares.cfm?o=318&p=10712]

**ToDo Plus**

- Additional Features
  - Alarms
  - Attached picture
  - Sorting
  - Color
- **Windows**
- Macintosh


**MemoPad**

- Enter text
- Create categories
- **TIPS**
  - Use privacy feature
  - Synchronized data is not encrypted
  - OS 3.5 supports beaming categories
- **More features**
  - MemoPlus

**MemoPlus**

- [http://www.handshigh.com/html/memoplus.html]

**Synchronizing**

- Connections
  - USB
  - Infrared
  - Serial
- Check com port
- Press button on PDA or cradle
- Read log for errors
- Right click on icon for custom configurations

**Beaming**

- Key feature of PDA
- To receive, set it on
- **TIP**
  - to conserve battery,
  - keep receive off,
  - however, to send is still enabled
- Key TIP
  - set beam with pen upstroke
Beaming II

- Example
  - select address
  - tap menu button
  - select beam address

Preferences

- Very useful
- Set buttons
- Set pen
- Digitizer
- Set owner
- Shortcuts

Button Assignments

- Change button to program that you use more often

Pen Upstroke

- Modify upstroke for easy beaming or other option

Digitizer Reset

- If screen is not responsive, then reset the digitizer

Owner Information

- Once security password is set, then owner information is locked
- Handy way for your device to contain information for return if lost
Mainly two methods

- Software has own self installation mechanism
- Software is installed by user

Both place files in the Install folder under user directory

TIP
- Keep track of where program is located when downloaded or copied

Advantages
- Standard
- Relatively easy

Disadvantages
- Forces synchronization, which may take a long time especially with Internet data synchronization
- Time consuming to configure custom Hotsync options

Alternative: Pinstall
- http://pinstall.envicon.de/
**Install Options**

- **Pinstall**
- **Free program**
- Only installs software
- No synchronizing
- Bypass Hotsync
- Great for trying new programs

http://pinstall.envicon.com

**Backup**

- Palm Desktop has its own proprietary backup system for PIM information
- Specify entries for backup
- Then export to file
- TIP
  - very useful for sharing categories when you are unable to beam to other PDA

**Backup Software**

- However, not all files are backed up to desktop computer
- Some programs prevent themselves or data from backup
- TIP - use 3rd party software, BackupBuddy
  - www.bluenomad.com
- Note - for users with SD slot, free version of BackupVFS available
- Syncall
  - www.freewarepalm.com

**Archive**

- Archives, do exist
- When entries are deleted, you are asked whether you wish to archive deleted item on synchronization
- TIP - you should do so if unsure

**Reset**

- **Soft**
  - Does not erase data or programs
  - Use when there are memory problems
  - Put pin in reset hole
  - Stylus may have built-in pin
- **Hard**
  - Requires soft reset with power button held down
  - May erase all data or resume function
  - Often last resort when using buggy app

**HIPAA Health Insurance Portability and Accountability Act**

- goal is to improve efficiency of healthcare delivery by standardizing electronic exchange of certain administrative and financial data
- protect the security and privacy of healthcare information
- HHS must adopt national standards for electronic administrative and financial health care transactions
Security Measures

- **Authentication**
  - software forces authentication via signature or password upon turning on device

- **Encryption**
  - data scrambled to gibberish but revealed with password
  - higher level of security
  - may cause slow down in opening applications

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Encryption Products

- **PDA Defense**
  - Standard version: [www.pdadefense.com](http://www.pdadefense.com)
  - Professional version: [www.pdadefense.com/professional.asp](http://www.pdadefense.com/professional.asp)

- **PDA Secure**
  - Personal: [www.trustdigital.com](http://www.trustdigital.com)
  - SecureCard for memory cards: [http://www.trustdigital.com/personaledition.htm](http://www.trustdigital.com/personaledition.htm)

- **Toysoft**
  - [www.toysoft.ca](http://www.toysoft.ca)
    - mEncryptor for memory cards: [http://www.toysoft.ca/mencryptor.html](http://www.toysoft.ca/mencryptor.html)

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Making ‘iSilo’ files

- **Advantage**
  - Enables user to jump in documents via links to other sections in the same document
  - Similar to HTML file hyperlink
  - Can also be used to make local copy of web page

- **Reader program = iSilo** ([www.isilo.com](http://www.isilo.com))
- **Converter program = iSilox** ([www.isilox.com](http://www.isilox.com))

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iSilo Samples

- **T3**
- **m505**

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Plucker

- Freeware offline web and e-book reader
- **Parser – captures HTML**
- **Conduit – puts HTML from computer to PDA**
- **Viewer – displays HTML on PDA screen**
Issues with AvantGo

- Takes up considerable amount of handheld memory
- Free version limited to 2 MB data
- Client program for OS 5 now allows storage on external memory
- To run older clients off the external memory card, use Avantage
  - http://www.toysoft.ca/Avantage.html

External Memory Cards

- Great way to add extra storage capacity to your handheld
- Can hold both Palm and PC files when formatted with VFS
- Use a SD card reader/write for direct and faster file transfer via USB instead of Palm Hotsync, especially for large files

File Manager

- FileZ
  - www.nosken.net
  - Allows user to selectively delete/beam/copy/selected Palm files
  - Also can change attributes of each file such as archive/backup/open, etc. via ‘Details’
- Use with great caution!
- FREE

Samples

- Web content in portable web form
- Certain ‘channels’ created specifically for handheld
- Subscribe to specific channels
- Will be updated on each synchronization with desktop and live Internet Connection

Issues with AvantGo

- Must be run off internal memory
  - Allows program file to be linked to a button
  - Program file can be stored in external memory card at /palm/launcher to save memory, but with no button assignment
  - Try AvantageRx http://www.toysoft.ca/avantageRx.html
    - Needs OS4 or higher
    - Need free memory to run program
Run Programs from Memory Card

- **PowerRun**
  - [www.simple-palm.com](http://www.simple-palm.com)
  - Very easy to use utility to move programs to run off external memory card
  - Hot Sync will not backup that application and its data
  - Global find cannot find data in that application, except when the application is running
  - Application alarms will not come up
  - Application conduits will not work

Conduit Managers

- **JustInstall**
  - Toggles installation conduits only or you can select other conduits

- **Temporary Settings**
  - = custom HotSync

Conduit Managers

- **SyncEase**
  - Manage conduits, users, and HotSync schedule

  - More options
    - Synchronize
    - Desktop over PDA
    - PDA over Desktop
    - Nothing

Conduit Managers

- **Conduit Buddy**
  - Allows installation/uninstallation of conduits
  - Provides details about conduits
    - App Creator ID
    - Conduit DLL
    - Data file Name
    - Default Action
  - Free!

Conduit Manager

- **NotSync**
  - [http://www.ultrasoft.com/NotSync/overview.shtml](http://www.ultrasoft.com/NotSync/overview.shtml)
  - Similar to JustInstall
  - Save configurations

User Interface

- **App Launcher**
  - simple interface
  - no additional cost
  - less information
  - more time to do tasks
User Interface

- **3rd Party Apps**
  - efficient use of screen space
  - better functionality
  - drag and drop
  - improved customizability
  - VFS support

User Interface

- **Skins!**
  - Modify
    - Buttons
    - Color scheme
    - Icon size

User Interface

- **MegaLauncher**
- **Launcher X**
- **Silver Screen**
  - [http://www.pocketsensei.com/silverscreen.htm](http://www.pocketsensei.com/silverscreen.htm)
- **Facer 2**
  - Note: OS5 devices only
  - Includes Today page, plugins

Backup Programs

- **Accidents Happen....**
  - Lose your PDA
  - Break it
  - Batteries can die
  - Hard reset

Backup to PC: BackupBuddy

- **Is Hotsyncing enough?**
  - Useful for built-in applications
  - Inadequately manages 3rd party software
  - No customizability
  - Need access to your computer

- **Backup Buddy**
  - [www.bluenomad.com](http://www.bluenomad.com)
  - Improved backup to PC

- **Backup Buddy**
  - Completely backup and restore data
  - Customize your hotsyncs
  - Choose what to back up
  - Choose what to exclude
  - Comes with backupBuddyVFS
Backup to PC: SyncAll
- One button operation
- Saves all data
- Not customizable
- Freeware

Mobile Backup
- Copy image of PDA onto flash media
- Schedule routine backup
- File by file backup
- BackupBuddyVFS—to media card
- JBBackup—to flash ROM or media card
- BackupPro—to flash ROM

Backup to Card
- **BackupBuddy (VFS)**
  - Perform complete (lite version) or incremental backups (full version)
- Back up Flash ROM files
- Choose what and when you back up
- Back up to SD card or memory sticks for enhanced mobility
- Now OS 5 compatible

Other Backup Options
- **BackupPro**
  - [http://www.handera.com/Products/BackupPro.aspx](http://www.handera.com/Products/BackupPro.aspx)
  - Backup to Flash ROM
  - Select programs/data to backup
  - Only backup changed or new files
- **JBBackup**
  - Advantages
    - Backup to Flash ROM or media
    - Create Image of entire PDA memory
    - Compress backup

Congratulations!

The End – You Survived!
## General PDA Web Sites
- [http://www.palmgear.com/](http://www.palmgear.com/)
- [http://www.handango.com](http://www.handango.com)
- [http://www.pdabuzz.com](http://www.pdabuzz.com)

## Medical PDA Sites
- Handheldmed
- CollectiveMed
- PDAMD
- HealthyPalmPilot
- EctopicBrain
- PocketPsych

## Drug Reference Guides
- A to Z Drugs
- DrDrugs
- ePharmacopoeia
- ePocrates Rx
- LexiDrugs
- MosbyDrugs
- Physician’s Drug Handbook
- Physician’s Drug Reference

## Psychiatric Reference Texts
- APA Practice Guidelines
- DSM-IV TR
- Clinical Psychiatry
- Psychiatric Drug Therapy
- Manual of Clinical Psychopharmacology
- Psych Dx, Psych Rx
- Psych Recall

## Patient Tracking Software
- Pocket Psychiatry
- SoapMH
- Virtual Briefcase – Psych
- ePatient 2000
- Mobile Med Data POC
- Patient Handchart
- Patient Keeper
- WardWatch

## Security Software
- Signature Wallet
- movianCrypt
- PDA Defense
- PDA Secure
- Teal Lock
ROM Replacements
- Address
  - Address Plus
  - Address Album
  - Fast Address Book
  - Beyond Contacts
- ToDo
  - To Do Plus
  - To Do 2
- Memo
  - MemoPlus
- Launcher
  - Launcher X

Calendar ROM Replacements
- Agenda
- Agendus
- Avenga
- DateBk5

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- Additional 3% off Skyscape 'constellation'