

SKETCHER PLUS

Version 2.1

User Guide

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COMMON BUTTON FUNCTIONS

-  **New** - Create a new page
-  **Copy** - Copy the current sketch to a new page
-  **Delete** - Delete the current page
-  **Eraser** - Select eraser mode
-  **Pen color** - Open the color palette for selecting pen colors
-  **Thin line** - Set the line width to 1 pixel
-  **Normal line** - Set the line width to 2 pixels
-  **Heavy line** - Set the line width to 5 pixels
-  **Note Editor** - Attach a note to the current sketch
-  **Beam** - Beam the current sketch to another device
-  **List view** - Lists all sketches
-  **Alarm** - Open the Alarm view for setting alarm date and time
-  **Repeat alarm** - Set repeating Date Book alarms or To Do list tasks

-  **Back** - Return to the previous view
-  **Top of list** - Return to the top when scrolling through a long list
-  **Favorites** - Lists only sketches marked as favorites
-  **Information** - View on-board tips and help information

 **TIP**

From the Sketcher PLUS menu bar, select **View > Nav Key** for a quick reference to common button functions. For more help and tips for using Sketcher PLUS, Tap the “i” located in the upper right corner in most views.

INTRODUCTION

Thank you for trying **Sketcher PLUS**. We hope you find this product to be a fun and useful addition to your Palm Powered™ handheld computer. Sketcher PLUS is a multi-purpose 256-color drawing application designed for scribbling quick reminders (with alarms), capturing creative ideas, mapping directions, field drawings, doodling, and much more. Registered users receive full email support and free upgrades for a period of 3 years.

NOTE

Each Sketcher PLUS image and associated note, alarm setting, etc. is stored as a database record. The words "image", "sketch", "page", and "record" may be used interchangeably throughout this guide.

Product Registration

Sketcher PLUS can be registered at:

www.PalmGear.com/register Enter Product ID: **44164**

When registering, be sure to provide your Palm HotSync ID (a.k.a. Palm User Name). **The Palm HotSync ID is case sensitive (Bob is not the same as BOB)**. This ID is necessary to generate your registration key code. To locate your Palm HotSync ID, select **View > Registration** from the *Main* view menu bar. Your HotSync ID name should be displayed in the registration dialog. Alternately, tap the HotSync icon in the Palm application launcher. Your HotSync ID should be shown in the upper right corner of the display.

Shortly after registering (usually within 24 hours), you will receive your registration key code via email. From the Sketcher PLUS menu bar, select **View > Registration**. Enter the code exactly as provided and tap the **OK** button to disable the trial mode, enabling full registered use of the application

Also Available...

Sketcher EXPORT

A Microsoft® Windows application that allows you to effortlessly convert your Sketcher PLUS drawings from your handheld computer to your PC. Each sketch is exported as a separate bitmap (*.bmp) file, which can be edited or printed with Microsoft Paint or most other image editing applications. A free fully functional trial (valid for 15 days or 30 uses) is available for download from www.PalmGear.com (product ID # **47692**).

Installing Sketcher PLUS

To install Sketcher PLUS, load the self-expanding archive file **Skchrp_Arc.prc** to your handheld using the Palm desktop install tool. Refer to your Palm™ User's Guide for information on installing Palm programs. The first time you launch Sketcher PLUS, the installer will unpack the necessary files before launching the application. The installer archive will automatically delete itself when finished.

Upgrading from Sketcher to Sketcher PLUS



CAUTION

If you have the basic version of Sketcher installed, we recommend deleting it from your handheld before installing Sketcher PLUS. Failure to do so may cause loss of functionality for one application when deleting the other. Refer to [Backing Up and Restoring from a PC](#) on page 11 for more information about reinstalling a Sketcher database from a previous backup.

To preserve your Sketcher database for use with Sketcher PLUS:

- Perform a HotSync® operation to backup your data
- Copy the file **SketcherDB.pdb** from your Palm backup folder to a temporary folder (Windows desktop, for example). The Palm backup folder is typically located at **C:\Palm\<your HotSync ID>\Backups**.
- Delete Sketcher from your handheld
- Install Sketcher PLUS as described in the previous section
- Reinstall the file **SketcherDB.pdb** using your Palm desktop install tool

Upgrading from previous versions of Sketcher PLUS

It is not necessary to delete previous versions of Sketcher PLUS. Installing this version will overwrite any previous version. To preserve your existing sketches, select **Cancel** when the installer asks to overwrite the file **SketcherDB.pdb**. Select **OK** for any other overwrite warnings (unless the file being replaced is newer than the file being installed).

IMPORTANT: Previous versions of background libraries may not be fully compatible with this version of Sketcher PLUS. The latest versions of our background libraries are always available for free downloading at www.palmettologic.com/SkBackgroundLibs.html.

Uninstalling Sketcher PLUS

Sketcher PLUS can be uninstalled by using either of the following two methods:

- 1). Select **App > Delete** from the menu bar in the Palm application launcher, select **Sketcher+** from the application list, then tap the **Delete** button at the bottom of the screen. **NOTE:** *This uninstall method will not delete the supporting files listed below. However, leaving these small files installed will do no harm. Since these files are shared by an increasing number of available Palm applications, deleting these files could cause a loss of functionality in other applications if the files existed prior to installing Sketcher PLUS.*

PDATBIA.prc (14 Kb) PDATRsrc.prc (11 Kb)

PDATMcStoreLib.prc (12 Kb) PDATPELib.prc (18 Kb)

- 2). Install and run the **UninstallSk_All.prc** file included in the zipped distribution file. This will remove Sketcher PLUS and all supporting files from your handheld, including those listed above.

MAIN VIEW

The *Main* view includes navigation buttons for first page, previous page, next page, and last page located along the bottom of the screen. Tap the **Favorite** button in the lower left corner of the screen to add the current page to your [Favorites list](#) (page 11). Tap the left side of the **Favorite** button to go directly to the *Favorites* list.

TIP

Many functions are only available as menu selections. Most menu selections also have associated shortcut strokes. See the [Menu Command Summary](#) provided on page 12.

ADD TO FAVORITES



FIRST
PREVIOUS
NEXT
LAST

Image titles

For each image, enter a short description (10 characters maximum) in the **Title** field at the top of the screen. This allows you to identify each image from the *List* views. Titles are also required to set repeating alarms. If desired, you can access the on-board Palm keyboard from the *Edit* menu to enter titles.

Selecting colors

The default pen color is black. Tap the **Pen Color** button (or select **Edit > Pen Color** from the menu bar) to access the color palette and choose from 256 pen colors (16 shades for grayscale displays). The default background color is pure white. This is also the first choice in the color palette and is seen as "transparent" by Sketcher PLUS. Select **Edit > Backfill Color** to fill all pure white areas with the selected color.



Line width and eraser mode

Normally, lines are two pixels wide. (A pixel is the smallest element of a display that can be assigned a color.) Line widths and eraser mode can be selected either from the designated toolbar buttons, from the *Edit* menu, or with Graffiti® shift strokes. A single graffiti shift (upward stroke) activates *fine line* mode for a line width of one pixel. A double graffiti shift activates *heavy line* mode for a line width of five pixels. A single tap activates the *eraser* mode. The eraser will erase any color on the standard white background. To erase on a color background, select the same background color for the pen and select the largest line width.

The graffiti shift indicator appears in the lower right corner of the *Main* view and the *Alarm* view. This serves as the line width/eraser mode indicator (as well as the graffiti mode indicator for entering titles).

NOTE

On devices with Palm OS® v5.0 or later, the graffiti shift indicator and the selected line width may not always be synchronized.

New

The **New** button creates a new page at the end of the database.



Refer to [Default backgrounds](#) on page 7 for assigning default background images for new records.

Copy

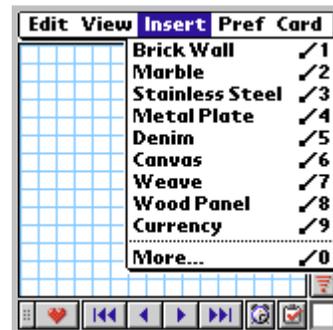
The **Copy** button copies the currently displayed page to a new page at the end of the database. This new page then becomes the currently active page.

Delete

The **Delete** button permanently deletes the currently displayed page from the database. (Use the **Edit > Clear Sketch** option from the menu bar to delete *only* the contents of the drawing area).

Background Images

Pre-designed background images may be selected from the *Insert* menu. Backgrounds can be inserted behind any pure white area of the sketch (including white pen color or erased areas of a color background). Backgrounds are also cumulative and may be "layered" until there is no remaining white space. The **More...** option (last option in the *Insert* menu) opens the background library selection dialog. Select any installed library and tap the **OK** button to load the new backgrounds in Sketcher PLUS. The *Insert* menu options will change to reflect the newly loaded backgrounds. To delete a library file from your handheld, open the library selection dialog as above, select a library file for deletion, then tap the **Delete** button at the bottom of the screen.



Deleting the "Default" background library will remove the ability to reload the original backgrounds.



Additional background libraries may be downloaded **free** from our [web site](#). Refer to [Default backgrounds](#) on page 7 for assigning default background images for new records.

Color themes

Select **Pref > Themes...** from the *Main* view menu bar to change the color scheme of various UI (user interface) elements such as the title bars and dialog windows. The selected theme remains active until another theme is selected. Choose the **System** theme option to revert to the standard Palm system colors.

Default backgrounds

Select **Pref > Dflt Background...** from the *Main* view menu bar to assign any loaded background to all new records. Once a default background is assigned, each new record created (by tapping the **New** button) will automatically use the assigned image as its background. Backgrounds available for assigning depend on the currently loaded library. However, once assigned, the selection remains assigned regardless of which library is loaded. To cancel default background assignment, select **Pref > Dflt Background... > None**.

Alarm Tones

Select **Pref > Alarm Tones** from the *Main* view menu bar to change alarm tones. These alarm tones only apply to single-event reminders. Repeating Date Book reminders always use the system's alarm tone.

Minimizing confirmation warnings

Select **Pref > Warnings Min/Max** from the *Main* view menu bar to toggle frequently used confirmation warnings on or off. Warnings for critical actions such as deletions are not affected.



We strongly recommend leaving **All Warnings** turned on until familiarizing yourself with all of the Sketcher PLUS functions.

Card/RAM Auto-Saving

Select **Pref > Card/RAM** from the *Main* view menu bar to toggle between using the internal device memory (RAM) or an external expansion card (if equipped) for storing the Sketcher PLUS database. With the expansion card selected, the database will be automatically saved **to** the card each time you exit Sketcher PLUS and automatically loaded **from** the card each time Sketcher PLUS is launched. This will cause the application to launch slower, but can save a significant amount of memory on your handheld device. This has no effect on devices without expansion card capability.



In the same manner in which the Palm OS® runs applications from an expansion card, Sketcher PLUS temporarily copies the database from the card when the application starts and writes it back to the card after the application ends. This implies that there needs to be enough free memory for the database in the handheld's internal memory in order for Sketcher PLUS to successfully load the database from the card. If there is not enough room for the database in the device's internal memory, an error message will be displayed informing you to make more room before running the application.



The Sketcher PLUS database is stored on external expansion cards through the *Virtual File System* (VFS). When the expansion card option is used, Sketcher PLUS saves the database to the card in the following folder: /PALM/Sketcher/SketcherDB.pdb.



NOTE

“External expansion card” refers to any VFS supported memory card media for Palm Powered™ organizers, such as the Sony Memory Stick (MS), Secure Digital (SD), Compact Flash (CF), or Multimedia (MMC) expansion cards.

Backing up to external expansion cards

Select **Card > Backup** from the *Main* view menu bar to immediately save a backup copy of the current Sketcher PLUS database to an expansion card. Only one database may be saved per expansion card. **Each backup will overwrite the last copy backed up on the same card.** If there is not enough room for the database on the expansion card, an error message will be displayed and the database will not be copied.



NOTE

Databases stored on expansion cards are normally not backed up to your PC when performing a HotSync operation.

Restoring from external expansion cards

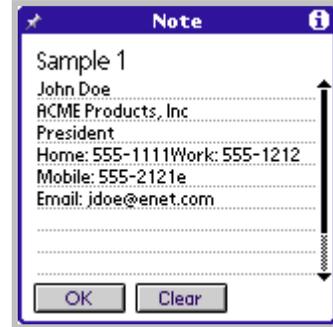
Select **Card > Restore** from the *Main* view menu bar to copy a backed-up Sketcher PLUS database from an expansion card to the device's internal memory. Sketcher PLUS first checks to see if the database being copied already exists in the device's memory. If so, you will be prompted to confirm that you wish to overwrite the database on the device. If there is not enough room for the database in the device's internal memory, an error message will be displayed and the database will not be copied. In this case, the database currently residing on the device will be left intact.

Deleting from external expansion cards

Select **Card > Delete** from the *Main* view menu bar to delete a Sketcher PLUS database stored on an expansion card. This has no effect on the database currently residing on the device.

Attaching notes

The *Note Editor* may be used to attach additional information to an image. Palm's on-board keyboard and edit functions (cut, copy, paste, etc.) are accessible from the *Edit* menu. If a note is longer than what can be displayed on the screen, a scrollbar will appear on the right. Alternately, you can use your device's up/down hardware keys (or jog dial, if equipped) to scroll up or down. Address Book contact information can be inserted in a note by selecting **Edit > Phone Lookup** from the menu bar. This will open the Palm Address Book. Select a contact and tap the **Add** button at the bottom of the screen to add the selected contact's name, company, title, home phone, work phone, mobile phone, and email address to the Sketcher PLUS note. Notes can also be exported to the Palm Memo Pad application. Select **Edit > Export to Memo** from the menu bar and the note will be immediately exported to Memo Pad with "Sketcher" prefixed to the memo title. Tap the **Clear** button to clear the contents of the current note. Tap the **OK** button to return to the *Main* view.



Beaming images

Selecting the **Beam** button will attempt to beam the current record to another device. Records may be beamed between two devices with either Sketcher or Sketcher PLUS installed.

CAUTION

Beaming of images created on a color device to a non-color device is NOT recommended.

Slide show

Select **View > Slide Show** from the *Main* view menu bar to start the *Slide Show* automation mode. This will display all records (in the currently sorted sequence), with a momentary delay between each record. When selecting this menu option, a confirmation dialog will be shown to allow canceling before the slide show is activated. *Once this mode is activated, it cannot be interrupted until all records have been displayed.* A beep will sound after the last record is displayed, to indicate the end of the *Slide Show* mode.

ALARM VIEW

Setting alarms

In *Alarm* view, tap anywhere in the date/time display field at the bottom of the screen to set the alarm's date and time. Tap the **OK** button to return to the *Main* view. When the preset date and time are reached, your handheld will automatically power on, launch Sketcher PLUS, sound the alarm, and display the assigned image. Alarm tones can be changed from the menu bar. These alarm tones only apply to single-event reminders. Repeating Date Book reminders always use the system's alarm tone. Select **Edit > Clear Alarm** from the menu bar to clear the date/time field and remove the alarm. *This will not clear repeating alarms or To Do items. These must be deleted manually from within the Date Book or To Do List applications.*



Repeating alarms

To set repeating alarms in the Palm Date Book application, first set the starting date and time (see previous section) then tap the **Repeat** button adjacent to the time/date field. Select the **Daily**, **Weekly**, or **Monthly** button to transfer the date/time settings, image title, and attached note (if one exists) to the Date Book. Once transferred, repeating alarm details can be directly modified in the Date Book application by selecting the **Date Book Launch** button. Tap the **Home** silkscreen button on your handheld to return from the Date Book to Sketcher PLUS.



NOTE

The Palm Date Book application's database is automatically created the first time the Date Book is used. If this database has never been created then Sketcher PLUS will display an error message and the Date Book entry will not succeed.

To Do List tasks

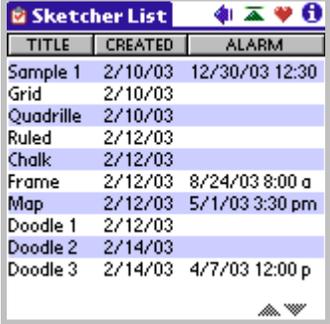
To set tasks in the Palm To Do List application, first set the date and time, then tap the **Repeat** button adjacent to the time/date field. Select the desired **Priority** button (1-5) to transfer the date/time setting (this becomes the task due date), image title, and attached note (if one exists) to the To Do List. The task details can be directly modified in the To Do List application by selecting the **To Do List Launch** button. Tap the **Home** silkscreen button on your handheld to return from the To Do list to Sketcher PLUS.

NOTE

The Palm To Do List application's database is automatically created the first time the To Do list is used. If this database has never been created then Sketcher PLUS will display an error message and the task entry will not succeed.

LIST VIEW & SORTING

The *List* view displays the title, creation date, and date/time setting for all records in the Sketcher PLUS database. Tapping any column heading will sort the records by the selected column in ascending order (A-Z). A second tap sorts the records by the selected column in descending order (Z-A). You can scroll up or down in the list by tapping the up/down arrows located at the bottom of the screen. Alternately, you can use your device's up/down hardware keys (or jog dial, if equipped). Tap any record in the list to open it in the *Main* view. To see only your favorites, tap the **Favorites** icon (heart)



TITLE	CREATED	ALARM
Sample 1	2/10/03	12/30/03 12:30
Grid	2/10/03	
Quadrille	2/10/03	
Ruled	2/12/03	
Chalk	2/12/03	
Frame	2/12/03	8/24/03 8:00 a
Map	2/12/03	5/1/03 3:30 pm
Doodle 1	2/12/03	
Doodle 2	2/14/03	
Doodle 3	2/14/03	4/7/03 12:00 p

at the top of the screen (see the following section). The **Back** icon (left arrow) returns to the previous view. The **Top of List** icon (up arrow) returns to the top when scrolling through a list that is longer than what will fit the screen. Select **Edit > Clear All** from the menu bar to delete all sketches from the Sketcher PLUS database.

NOTE

Due to limited screen space, some records may not fully display "AM" or "PM" in the *List* view's alarm column.

Favorites list

This feature allows you to quickly view a list of your favorite sketches. The *Favorites* list displays the title, creation date, and date/time setting for each record marked as a favorite (with the **Favorite** button in *Main* view). Tapping any column heading will sort the records by the selected column in ascending order (A-Z). A second tap sorts the records by the selected column in descending order (Z-A). The **Back** button (left arrow) returns to the previous view. The **Top of List** icon (up arrow) returns to the top when scrolling through a list that is longer than what will fit the screen.

BACKING UP AND RESTORING FROM A PC

Each HotSync® operation will back up the Sketcher PLUS database file **SketcherDB.pdb** to your Palm backup folder. To preserve it, simply copy the file from the backup folder to any other folder (Windows desktop, for example) before the next HotSync operation can overwrite it. The Palm backup folder is typically located at **C:\Palm\<your HotSync ID>\Backups** or for Sony® handhelds this may be **C:\Sony\<your HotSync ID>\Backups**. (Note that the HotSync ID folder name may be a slightly modified version of your HotSync ID.) To reinstall a database file to your handheld, simply click the **Install** button from your Palm Desktop software, and then use the **Browse** button to locate and add the file **SketcherDB.pdb** for installation at the next HotSync operation.

CAUTION

Reinstalling a Sketcher PLUS database will overwrite the existing copy on your handheld.

MENU COMMAND SUMMARY

Edit	View	Insert	Pref	Card
Pen Color			✓P	
Backfill Color			✓B	
.....				
Fine Line				
Normal Line				
Heavy Line				
Eraser				
Clear Sketch				
.....				
Keyboard			✓K	
Graffiti Help			✓G	

Edit	View	Insert	Pref	Card
List View			✓L	
Set Alarm			✓A	
Attach Note			✓N	
.....				
Slide Show			✓S	
.....				
Nav Key			✓Y	
Registration			✓E	
About			✓Z	

Edit	View	Insert	Pref	Card
Brick Wall			✓1	
Marble			✓2	
Stainless Steel			✓3	
Metal Plate			✓4	
Denim			✓5	
Canvas			✓6	
Weave			✓7	
Wood Panel			✓8	
Currency			✓9	
.....				
More...			✓0	

Edit	View	Insert	Pref	Card
Theme...			✓T	
Dflt Background...			✓F	
Alarm Tone...			✓O	
.....				
Warnings Min/Max			✓W	
Card/RAM			✓C	

Edit	View	Insert	Pref	Card
Backup			✓U	
Restore			✓R	
.....				
Delete			✓X	

Pen Color - Opens the color palette for selecting pen colors

Backfill Color - Opens the color palette for selecting background colors

Fine Line - Sets the line width equal to 1 pixel

Normal Line - Sets the line width equal to 2 pixels

Heavy Line - Sets the line width equal to 5 pixels

Eraser - Selects eraser mode (equal to 5 pixels)

Clear Sketch - Deletes the contents of the drawing area

Clear Alarm (*Alarm* view only) - Clears the alarm date/time field

Clear All (*List* views only) - Deletes all data

Keyboard - Accesses the Palm on-board keyboard

Graffiti Help - Accesses help for graffiti input

List View – Opens the *List* view

Set Alarm – Opens the *Alarm* view

Attach Note – Opens the *Note Editor*

Slide Show (*Main* view only) - Activates the Slide Show mode

Nav Key - Navigation key reference

Registration - Enter or view registration code

About - Version, contact and registration information, etc.

Repeat Alarm (*Alarm* view only) - Accesses repeating Date Book options and To Do List options

Insert - (*Main* view only) This menu lists all loaded background images.

These menu options will vary depending on which background library is currently loaded.

Theme (*Main* view only) - Changes the UI (user interface) colors

Dflt Background (*Main* view only) - Allows selection of any loaded background image as the default background for new records

Alarm Tone - Select alarm tones (single-event alarms only)

Warnings Min/Max (*Main* view only) - Toggles confirmation warnings on or off for frequently used functions

Card/RAM (*Main* view only) - Toggles between storing the database on the device or on an expansion card

Backup - Copies the current database to an expansion card.

Restore - Restores a database from an expansion card.

Delete - Deletes a database from an expansion card.

SPECIFICATIONS

System Requirements

- ✓ Palm OS® 3.5 or later (color or grayscale)
- ✓ Minimum* 171 KB of available RAM (116 KB for the application + 55 KB for associated support files).

* Additional memory is required for your sketches plus any installed background libraries (each sketch uses approximately 17.5 KB of memory). The original install configuration also includes the *Default Library*. The Sketcher PLUS application file dynamically changes size depending on which background library is actively loaded. The table below outlines the memory requirements for initial installation.

Original Install Configuration	Memory Used (KB)
Application file †	116
Support files †	55
Application database	17
Default background library	18
Installer overhead (temporary)	10
Total	216 KB

† Required files



An optional background sampler library, **SKLib-Samples_v2_1.prc** (50Kb), is also included with the program. This sample library is not included in the installation archive but may be manually installed if desired.

Unregistered Limitations

Sketcher PLUS is fully functional but will expire after 30 days unless registered.

What's new in this version?

Version 2.1 adds the following features and updates:

- Selectable alarm tones for single event alarms
- Transparent background insertions and color fills (no longer overwrites existing sketch)
- Cumulative layering of backgrounds
- Alternating row colors in list views for better readability (color devices only)
- "Clear Sketch" function added to delete drawing area only
- "Clear All" function added to delete all records
- Revised icon for non-color devices

For complete version history, see the **History.txt** file included in the zipped distribution file.

Known Issues

A few third party applications or "hacks" have been found to conflict with Sketcher PLUS. These applications typically modify the functionality of your device's graffiti input, display colors, or other system functions in some manner. The resulting problem may be odd behavior with pen width selection or system error messages. The only solution at this time is to disable or uninstall the conflicting application.

One or more versions of the following applications/hacks are known to cause such conflicts:

CIC Jot
BlockCaseHack
TapPad
Colorize
ClockFix

Please report any other conflicting applications or bugs to the author at palmettousa@hotmail.com.

Email support: PalmettoUSA@hotmail.com

Web support/FAQ: <http://www.palmettologic.com/support.html>

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