

# PicturePlus™ for the Palm OS

Version 3.10

## Users Guide



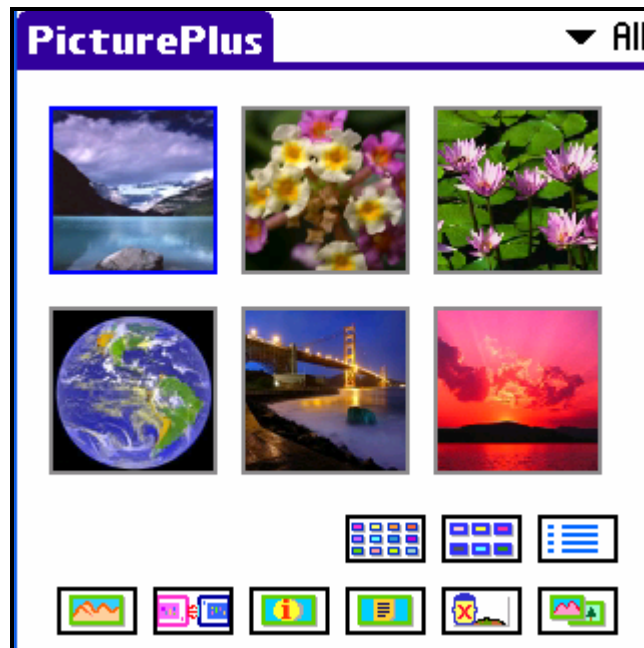
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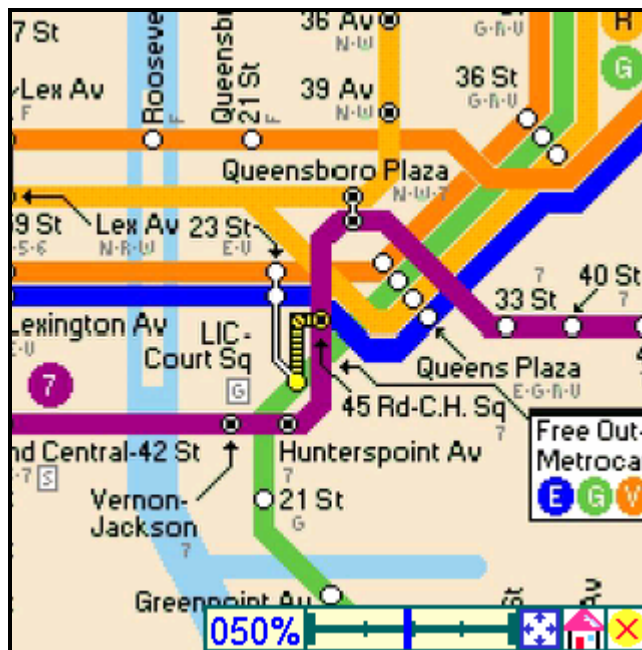
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## 1 Introduction

PicturePlus is the world's first and only Palm OS JPEG image viewer that makes it possible to view and zoom in **100-Megapixel (10,000 by 10,000)** JPEG images on a Palm OS device with only 300 KB of free memory required. PicturePlus is ideal for the viewing the following images:

- Large digital photos captured using high end digital cameras
- Huge high-way, subway, bus, street maps
- Digital images created by high-resolution color scanners
- High quality artwork created by image editing software





### Major Features of PicturePlus:

- Unique combination of high compression ratio of JPEG images and fast decoding algorithm allows fast viewing of highly compressed JPEG images, including huge maps and high quality digital camera images.

- Extremely low memory requirement – only requires 300 KB of memory to zoom a 100-Megapixel JPEG image to 800%.
- PicturePlus was fully optimized for Palm OS 5.x based devices such as Palm Tungsten/Treo/LifeDrive, and Sony Clie devices to achieve lightning fast display speed. The entire JPEG decoder engine was written in optimized ARM Native code so that a JPEG image of size 640 by 480 can be displayed in half a second on these devices.
- Standard compliant JPEG decoder implementation guarantees excellent image quality.
- Thumbnail view allows you to quickly browse through a large number of images.
- Support 4-bit grayscale, 8-bit color and 16-bit color output.
- Support Palm and Sony high resolution display. Support Palm Tungsten/LifeDrive and Sony dynamic input area and portrait and landscape display modes.
- Arbitrary ratio zoom support allow easy viewing of huge JPEG images.
- 360 degree drag and move.
- Beam pictures to other Palm devices.
- Slide show with configurable delay and loop option.
- Text notes can be attached to every image (up to 2048 characters).
- Customizable category support.
- Seamlessly handle JPEG images stored both in internal memory and on external VFS memory cards.
- Support Palm Tungsten/Treo/LifeDrive 5-way navigator and Sony Clie Jog Dial.

PicturePlus is shareware and it is priced at \$19.95 per copy. You can try it for free, but if you decide to keep it, you must purchase a registration code from us. Your evaluation license will be valid for 15 days. If you decide to keep PicturePlus after the evaluation license is expired you must purchase a registration code from us. The registration code would unlock your software and enable it for unlimited use. Registered users will receive free software upgrades from us for one year. We also provide registered users free technical support for one year. You can order PicturePlus from our web site at:

<http://www.smartcell.com>

## 2 Installation

Follow the steps below to install PicturePlus on PC:

- Uncompress all files in the ZIP file containing PicturePlus to a folder on your PC.
- Open folder "PC" and double click on the executable file. This will start the installation process for PicturePlus. Please follow the instructions given by the installation program to complete the installation process.

Follow the steps below to install PicturePlus on Macintosh:

- Uncompress all files in the ZIP file containing PicturePlus to a folder on your Macintosh.
- Open folder "Mac" and use your Palm Desktop Install Tool to install PicturePlus.prc.
- If you want to install JPEG images directly to the external memory card, open your Desktop Install tool, select the JPEG files to install and specify the "Destination" to be memory card.
- If you want to install JPEG images to internal memory, you must first convert them into Palm Database (PDB) format using the PicturePlus Desktop Converter application (you must run this on a Windows PC). Two sample PicturePlus pictures in PDB format are included in the ZIP file (earth.pdb and flowers.pdb).
- Perform a HotSync operation to transfer the PicturePlus application and the pictures to your Palm OS device.

If you are installing PicturePlus to a Palm Tungsten T3 device, you also need to install the following PRC files:

<http://www.smartcell.com/Product/PicturePlus/AppSlipRotate.prc>

<http://www.smartcell.com/Product/PicturePlus/StatusBarLib.prc>

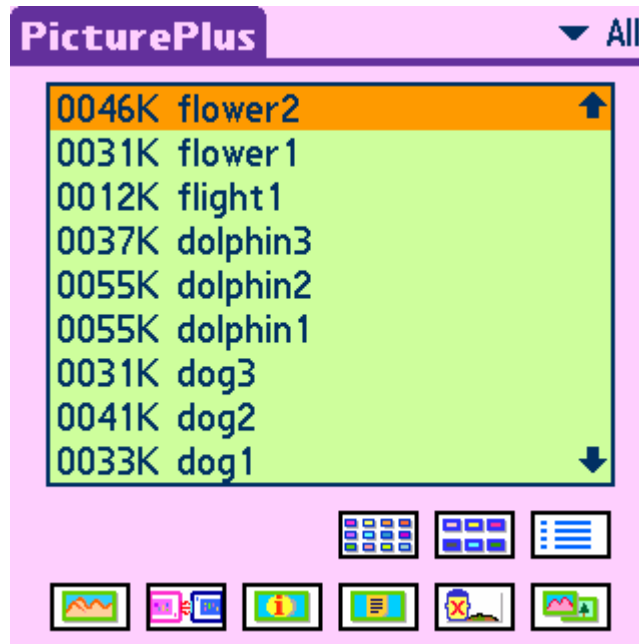
## 3 Un-installation

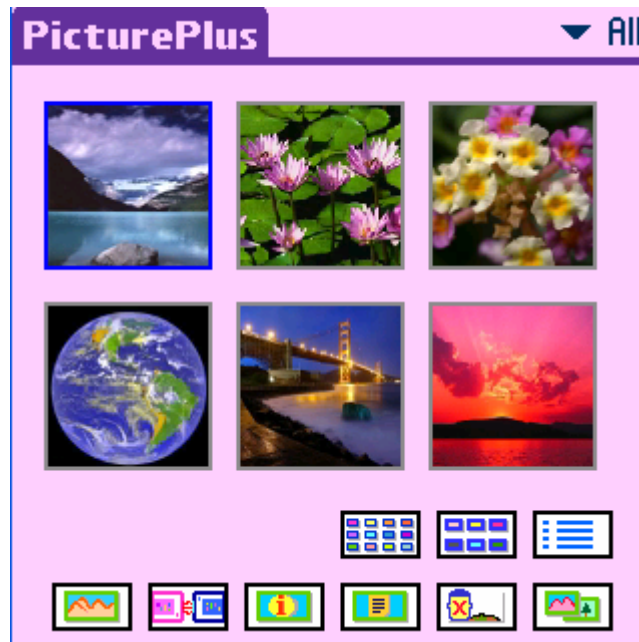
Follow the steps below to uninstall PicturePlus:

- Open Application Launcher (tap on the home icon), and open Menu App>Delete. Select "PicturePlus" from the list and tap on "Delete...". Tap on "Yes" to confirm.
- If you have an external memory card or internal drive mode card, you also need to delete the following files from the card:
  - /PALM/Programs/PicturePlus.prc
  - /PALM/Programs/PicturePlus/PicturePlusDB.dat

## 4 User Interface

### 4.1 *PicturePlus Main Window*

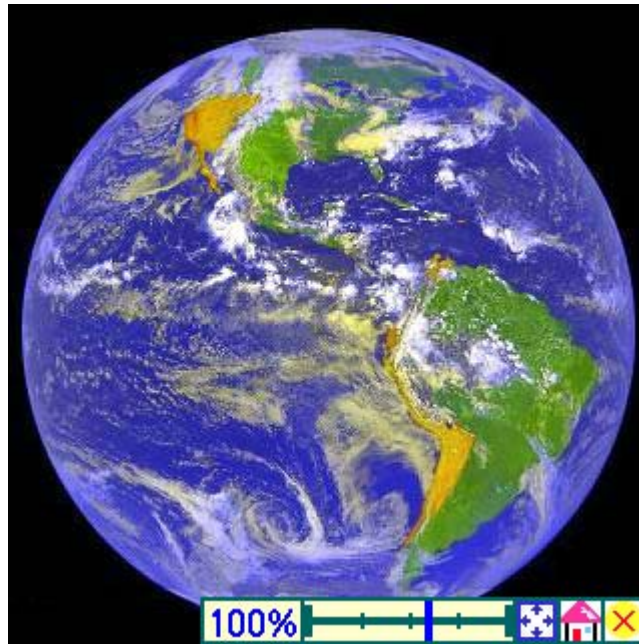




In the PicturePlus main window a list of all installed picture files in the current category is shown. You can also switch to small thumbnail view mode or large thumbnail view mode. The list includes all PicturePlus files in the current category in internal memory, as well as all PicturePlus files in the current category installed on external memory cards. To change the current category, tap on the pop trigger on the top-right corner and a list of categories is shown. You can also edit categories using this popup menu. To view a picture, select it from the list and tap on the leftmost button. The second button allows you to beam a picture to another device. The third button allows you to view the picture information window. The fourth button allows you to view and edit picture notes. The fifth button allows you to delete a picture. The last button starts the slide show. You can also access these functions using the Picture menu. You can use the "Left", "Right", "Up", and "Down" buttons to browse the list and press the center button on the 5-way navigator or press the Jog Dial to view the selected image.



## 4.2 *PicturePlus Picture View Window*



Once you tap on the "Picture View" button, the selected picture is displayed in a new window. In this window you can do the following:

- Use the "Down" button to move to the next picture and use the "Up" button to move to the last picture.

- Tap and drag on the screen to move the picture.
- Press the "Left" button to zoom out.
- Press the "Right" button to zoom in.
- Tap on the bottom right corner of the screen (within 10 pixels from the corner) to bring up the picture view toolbar. Using the toolbar you can select the zoom level, set the image to fit in the screen or return to the main window.
- Tap on the "Menu" icon or press the center button on the 5-way navigator or press the Jog Dial to return to the main window.
- You can stop the current operation at any time by starting a new operation or simply by tapping anywhere on the screen.

### 4.3 Picture Menu



The Picture menu allows you to view, beam, and delete a picture. You can also use the Picture Menu to view information related to a picture, to view text notes attached to a picture, and to start a Slide Show. To open the Picture menu, double tap on the title bar and tap on "Picture".

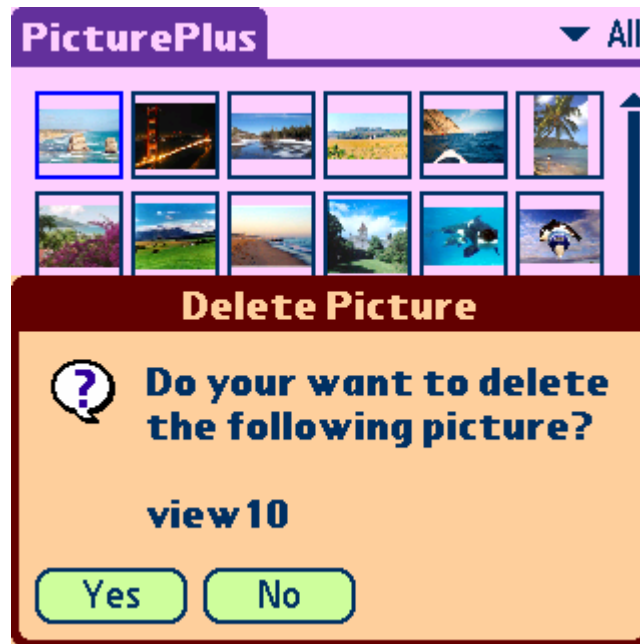
#### 4.3.1 Beam Picture File



To beam a PicturePlus file, first select the file from the list, then open the Picture menu and select Beam. You will be asked to confirm whether you want to proceed. If you wish to continue, tap on 'Yes' and the beaming will start.

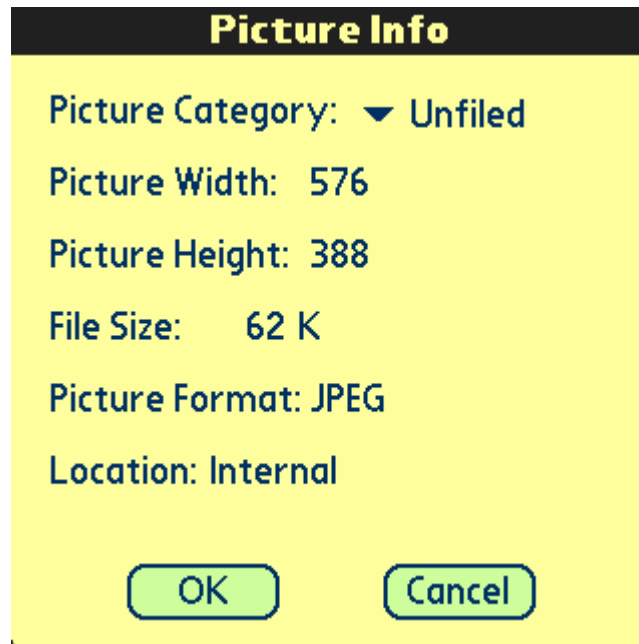
You will be informed whether the beaming is successful when the operation is finished.

### 4.3.2 Delete Picture File



To delete an PicturePlus file, first select it from the list, then open the File menu and select Delete. You will be asked to confirm whether you want to proceed. If you wish to continue, tap on 'Yes' and the PicturePlus file will be removed from your device.

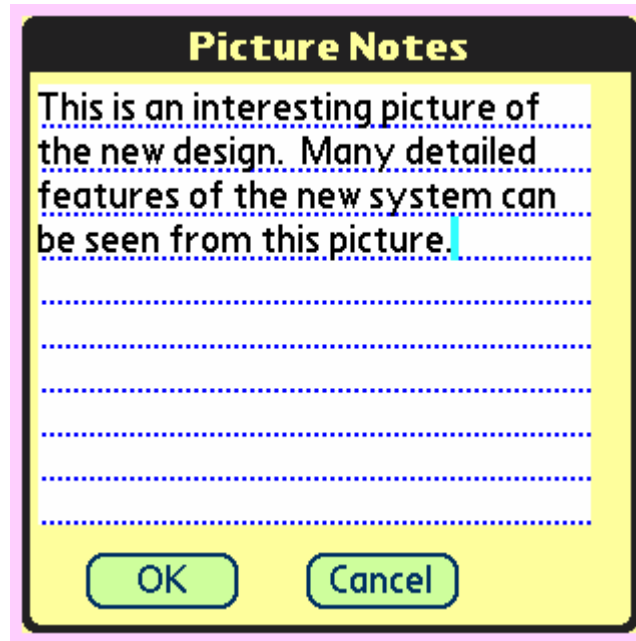
### 4.3.3 Picture Information



To show the Picture Information window, first select a picture from the list and tap on the Info button (or use the Picture menu and select Info). The Picture Information window shows the picture category, the width and height of the picture in pixels, picture file size, picture encoding format, and picture file location (Internal Memory or VFS card).

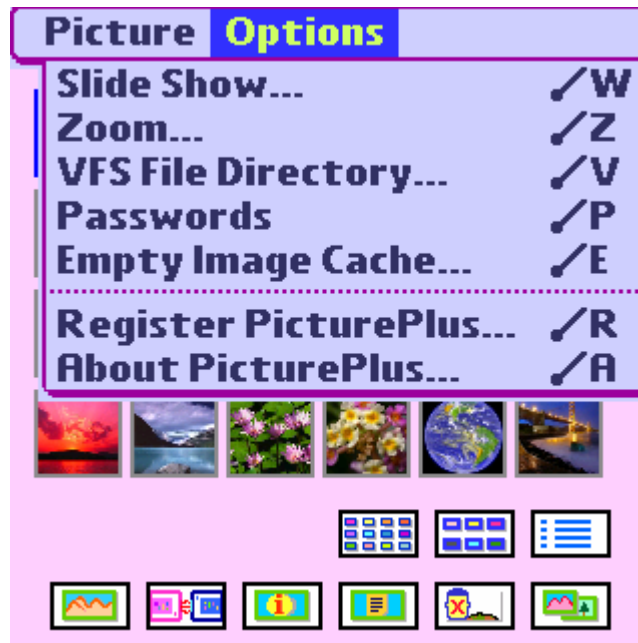
To change the category for this picture, tap on the popup trigger and a list of categories is shown. Select a category from list or create a new category. Tap on the "OK" button to save the new category information.

#### 4.3.4 Picture Notes



To show the Picture Notes window, first select a picture from the list and tap on the Notes button (or use the Picture menu and select Notes). The Picture Notes window allows you to view and edit the text notes associated with the picture. You can enter a maximum of 2048 characters for each picture.

## 4.4 Options Menu



The Options menu allows you to edit Slide Show options, to edit Zoom options, to specify the root directory for VFS picture files, to set passwords, to empty image cache, to register PicturePlus and to show version and copyright information about PicturePlus. To open the Options menu, double tap on the title bar and tap on "Options".

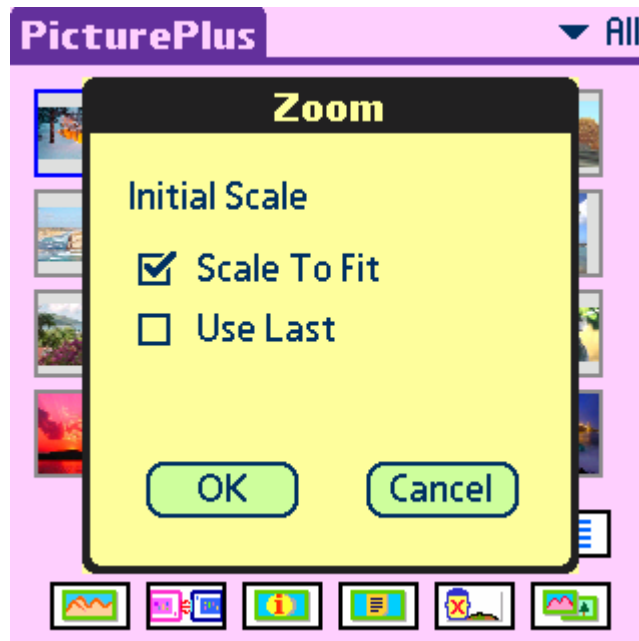


#### 4.4.1 Slide Show Options



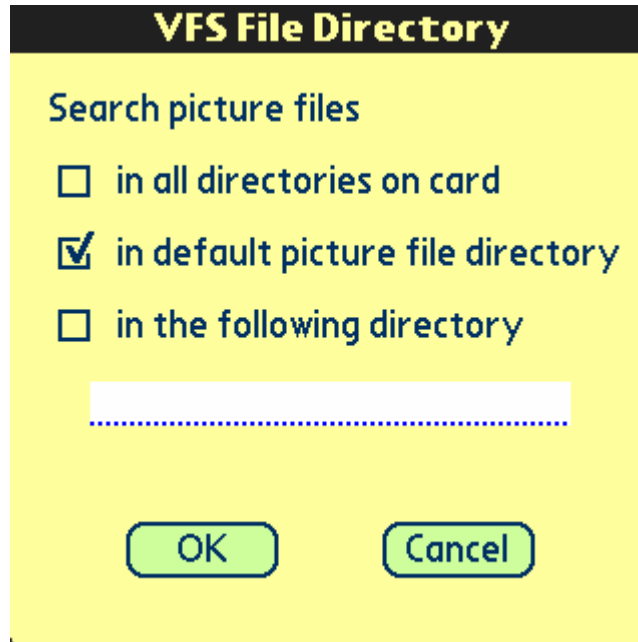
This option brings up the Slide Show Options dialog. The Slide Show Options dialog allows you to select whether the Slide Show would run only once or loop till being stopped by the user. The Slide Show Options dialog also allows you to set how long you want each picture to be displayed. To accept the settings, tap on the "OK" button. Tap on the "Cancel" button if you don't want to update the settings.

#### 4.4.2 Zoom Options



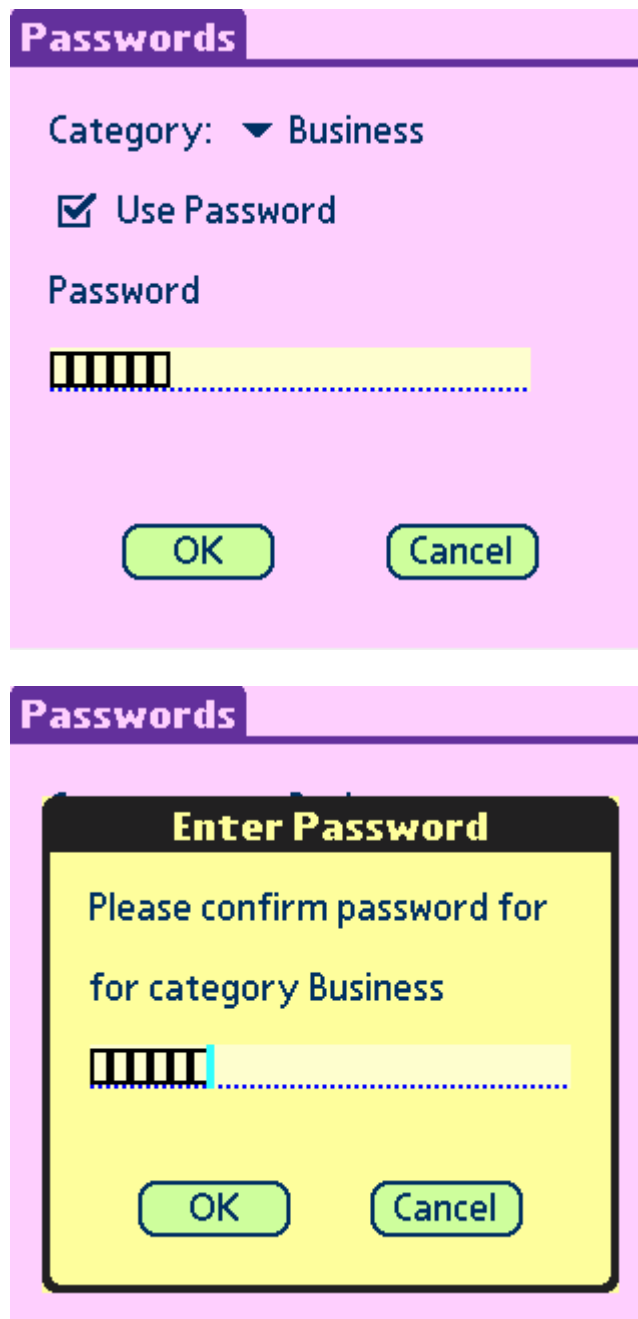
This option brings up the Zoom Options dialog. The Zoom Options dialog allows you to select how the initial scale for each picture is determined. If you choose the "Scale To Fit" option, each picture will be scaled so that it can fit in the screen. If you choose the "Use Last" option, the scale you used when viewing the last picture will be used. The "Use Last" option is useful in Manual Slide Show mode. To accept the settings, tap on the "OK" button. Tap on the "Cancel" button if you don't want to update the settings.

#### 4.4.3 VFS File Directory



By default PicturePlus will search the default image directory for installed JPEG files. You can also specify it to search in all directories. However, if you have many files and directories on your card, loading of the picture list could be slow. In this case, you may want to install the JPEG files only under a certain directory and its subdirectories. You can either install them to the default directory for image files or create a directory of your own. If your device uses a memory stick, the default directory for image files is typically "/Palm/Images", and if your device uses a MMC or SD card, the default directory is typically "/DCIM". You can use this window to ask PicturePlus to only search under the default directory and its subdirectories or to only search under the directory of your choice and its subdirectories.

#### 4.4.4 Set Passwords



**Passwords**

Category: ▼ Business

☒ Use Password

Password

■■■■■■

OK Cancel

**Passwords**

**Enter Password**

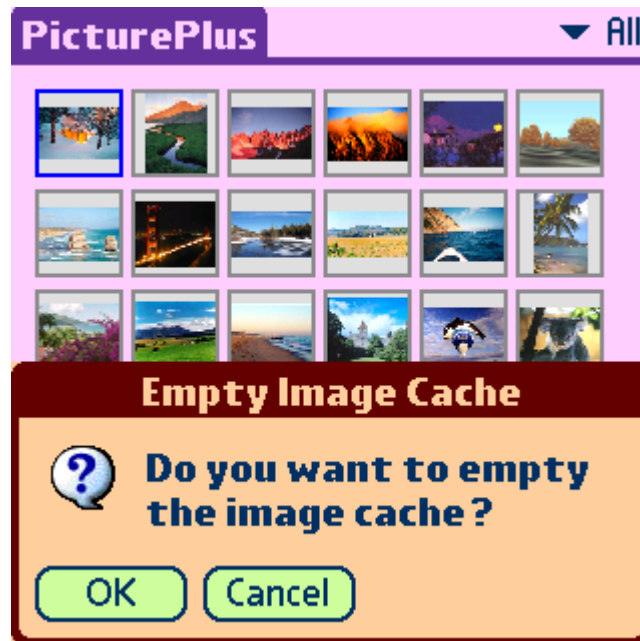
Please confirm password for  
for category Business

■■■■■■

OK Cancel

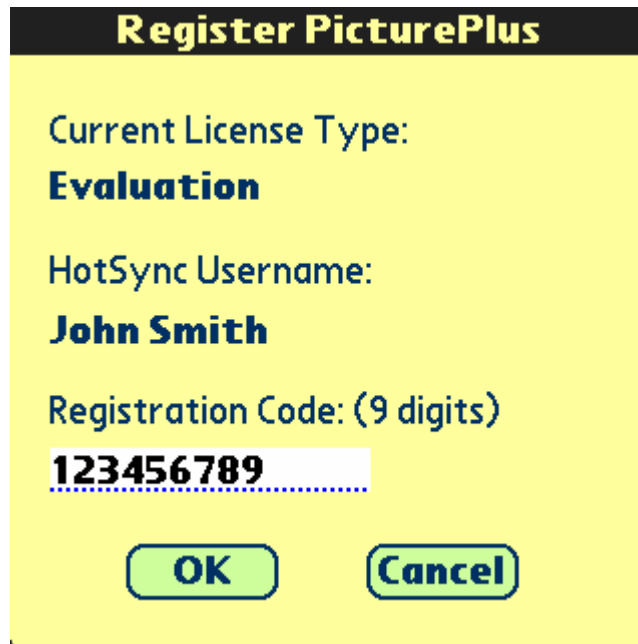
You can set a password for each category for protecting the contents of the category. Once a password is set for a category, the user must enter the password to view the pictures in the category. If a password is not provided or the password is not correct, no pictures will be listed when the user switch to the category. The protected pictures will also not be listed under the "All" category if no valid password is provided.

#### 4.4.5 Empty Image Cache



PicturePlus stores certain image information to help identify each image and to speed up image display speed. If an external memory card is available, PicturePlus stores this data on the memory card under the directory “/Palm/Programs/PicturePlus”. If no memory card is available, this data is stored in internal memory. If you wish to remove this data to free up memory space, you can use this menu option. However, this operation is not recommended unless you have no memory space left, as you will lose the category and notes information for all pictures once you delete the image cache.

#### 4.4.6 Register PicturePlus

A screenshot of the "Register PicturePlus" dialog box. The title bar is black with "Register PicturePlus" in yellow. The background is yellow. It contains the following text: "Current License Type: Evaluation", "HotSync Username: John Smith", and "Registration Code: (9 digits) 123456789". The code "123456789" is in a white box with a blue dotted underline. At the bottom are two buttons: "OK" and "Cancel".

**Register PicturePlus**

Current License Type:  
**Evaluation**

HotSync Username:  
**John Smith**

Registration Code: (9 digits)  
**123456789**

**OK** **Cancel**

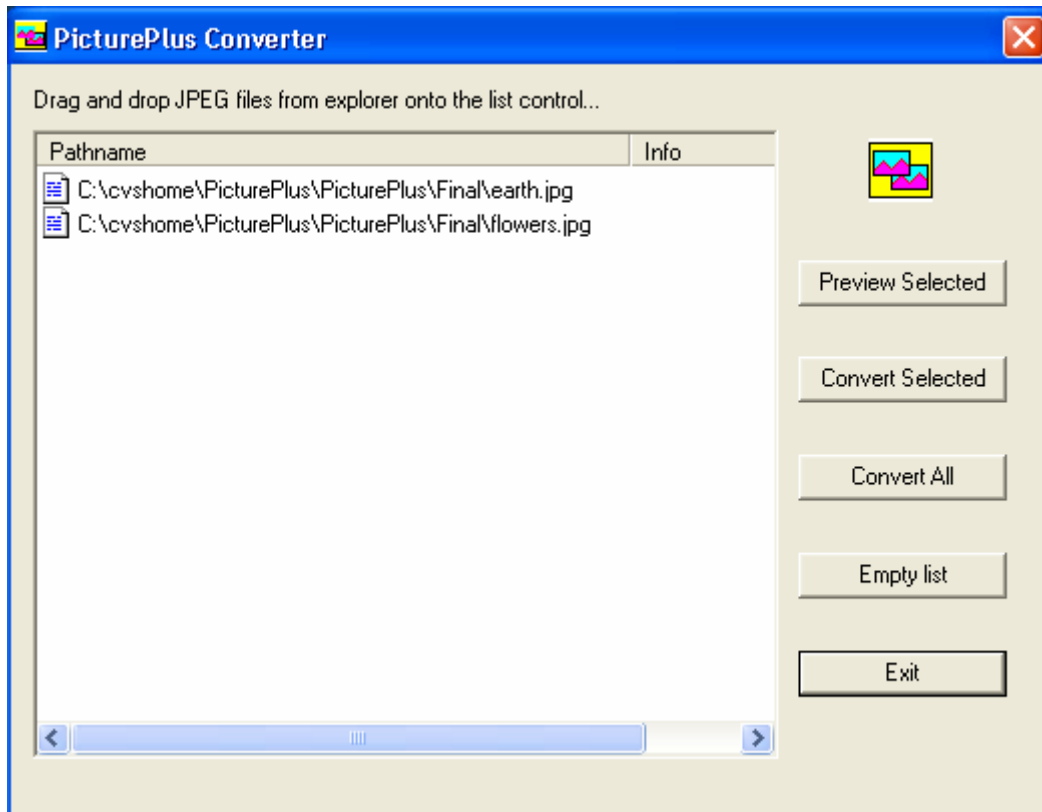
This option brings up the Register PicturePlus dialog. The Register PicturePlus dialog shows the current license type, the HotSync user name, and the 9-digit Registration Code. To register, enter your 9-digit registration code and tap on OK. If the code is correct, a confirmation message will be shown and your copy of software is then fully functional. Please note that the registration code would not work if the HotSync Username you provide us when you place the order does not match the HotSync Username shown in this window.

#### 4.4.7 About PicturePlus



This option brings up the About PicturePlus dialog. The About PicturePlus dialog shows the copyright and version information of the PicturePlus application.

## 5 PicturePlus Desktop Converter



The PicturePlus Desktop Converter is a Windows 95/98/2000/NT/XP application that converts any JPEG files (\*.jpg) to Palm database format (\*.pdb). A converted PDB file has about the same size as the original JPEG file.

Follow the steps below to use the desktop converter:

- Start the converter program by double clicking on the Converter.exe file.
- Drag and Drop JPEG files you want to convert onto the list control.
- Click on the "Convert All" button to convert all files.
- Double tap on the PDB files to bring up the Desktop Install Tool to install the PDB files to your device.



## 6 How to Contact Us

### Web Site

Visit our web site at <http://www.smartcell.com> for general information and software upgrades.

### Questions about Your Order

Send email to [sales@smartcell.com](mailto:sales@smartcell.com).

### Technical Support

Send email to [support@smartcell.com](mailto:support@smartcell.com).

### Comments, Suggestions, and Bug Report

Send email to [feedback@smartcell.com](mailto:feedback@smartcell.com).

### Mailing Address

SmartCell Technology, LLC  
1720 E. Garry Ave., #220  
Santa Ana, CA 92705  
USA  
TEL: (949)838-0089  
FAX: (949)271-4597

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