

jpeg "Viewer" Plug-In

This manual describes the use of the *jpegPlugIn* for thinkDB 2.5. This Plug-In will work for DataViz's SmartList To Go but some of the terminology used in this document may have changed for SmartList To Go. For more information on SmartList To Go, please visit <http://www.dataviz.com/products/smartlisttogo> . If you want additional information on thinkDB Plug-Ins, please visit <http://ca.geocities.com/sltgplugins> .

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1. thinkDB Plug-In Overview

A thinkDB Plug-In is simply an add-on program that fills a specific purpose in thinkDB. As such, they extend the functionality of thinkDB. Plug-Ins are usually created by third-party developers to "plug into" thinkDB on a Palm OS based handheld.

2. *jpegPlugIn* Overview

a. Purpose:

This Plug-In will display full colour jpeg images at a high resolution which reside on an external card.

b. Requirements:

This Plug-In requires the pnoJpegLib library in order to run. Ver 2.13 of this library has been included with this zip.

3. Installation

a. Upgrading from a previous version:

If you are upgrading from a previous version of a Plug-In, the following is some special information to help you avoid problems:

"Un-configure" the old *Plug-In* by using the special Plug-In named Update.prc that is included in the zip. Install Update.prc if you do not have it already installed and then do the following steps:

- From the Field Editor, select the small box to the right of the field you have previously selected as the *Plug-In* field to get to the Field Properties screen.
- From the Plug-In list, select *Upgrade* and press the OK button.
- Select the small box to the right of the field you have selected as the *Upgrade Plug-In* field and re-select the desired upgraded *Plug-In* and configure the Plug-In as described in Section 5.

Installation (continued)

To install the *jpegPlugIn*, double-click the *jpegPlugIn.prc* file **and** the *pnoJpegLib.prc* file. You can also select Install from with the Palm Desktop and choose the two .prc files. There is a demo tinyByte included in the zip named *jpegExample.pdb* which shows a working example of what the *jpegPlugIn* can do. The name on the handheld will be TD2_jpegExample. The record in the demo tinyByte may need to be updated to use another jpeg file should 5.jpg not exist in the Photo & Videos directory on your internal drive.

The Palm Install Tool will then present a dialog to continue installation of the selected files to install. After doing a HotSync, the Plug-In will be installed into thinkDB and is ready for use. To verify that it was installed correctly, launch thinkDB on your handheld, choose Tools/Plug-in Manager from the thinkDB application menu. Tap the arrow beside "Plug-In" and you should see the *jpegPlugIn* listed. If not, repeat install instructions. If you do see it listed, it has been installed.

4. Un-Installing

To remove a Plug-In from thinkDB, first remove the Plug-In from all fields in all your tinyBytes. If you do not, you will encounter problems and could potentially corrupt data. Once you have removed all references of it from your tinyBytes, choose Tools/Plug-In Manger from the thinkDB application menu. Tap the arrow beside "Plug-In", tap on the Plug-In you wish to remove, then tap the "Delete ..." button.

5. Usage Overview

Before configuring any Plug-In, you must first create all the fields that the Plug-In requires for both input and output.

a. Configuring Plug-In Fields:

1. From the Field Editor, select Field Type thinkDB Plug-In from the Field Type list. Selecting the small box to the right will then open the Field Properties dialog.
2. From the Plug-In list, select the *jpegPlugIn* and then 2 input fields will be shown. This Plug-In currently has no output fields.

***jpegPlugIn* Inputs:**

The format of a complete path is: /volName/dir/.../filename

The user has complete flexibility over where the files can exist on the handheld. The complete path may be given in the input field 'JPEG name', or just a filename and the Plug-In will complete the path using the 'Default Path' input field. If no volName is supplied (the complete path starts with two slashes together), the first volume found will be used (most likely the internal drive). Note: The filename includes the .jpg extension if this is the case. An example could be: //Photos & videos/5.jpg and implies I want to use the internal drive. As a general rule, never place images in the root folder due to possible corruption (not by this Plug-In, but when adding files) that would render the drive unusable.

Default Path: This text 'field' is used to complete the path to the jpeg file should the JPEG name field (defined next) contain only the filename. It is best to select a **constant** field to hold this text. Note: This text must begin and end with a slash.

JPEG name: A text field in the record that holds the complete path or filename of the jpeg image file.

b. Running the Plug-In:

There are two methods for having any Plug-In perform its duties:

1. Place the "plugged-in" field onto a form and tap it. To return to thinkDB, tap on the jpeg image.
2. "Apply" the Plug-In from the "Filtered Operations" screen (which is one of the menu options that appears by tapping on the "tool" icon). This Plug-In ignores this method.

6. Known Problems

None.