



# TROI CLIPSAVE PLUG-IN™ 1.0 USER GUIDE

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You can also visit the Troi web site at: <<http://www.troi.com/>> for additional information.

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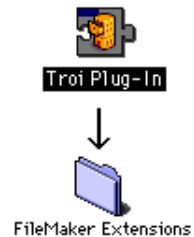
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## Installing plug-ins

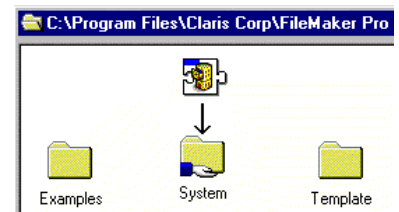
### For Macintosh:

- Quit FileMaker Pro.
- Put the file "Troj ClipSave Plug-in" from the folder "Macintosh Plug-in" into the "FileMaker Extensions" folder in the FileMaker Pro 4 folder.
- If you have installed previous versions of this plug-in, you are asked: "An older item named "Troj ClipSave Plug-In" already exists in this location. Do you want to replace it with the one you're moving?". Press the OK button.
- Start FileMaker Pro. The first time the Troj ClipSave Plug-in is used it will display a dialog box, indicating that it is loading and showing the registration status.



### For Windows:

- Quit FileMaker Pro.
- Put the file "clipsave.fmx" from the directory "Windows" into the "SYSTEM" subdirectory in the FileMaker Pro 4 directory.
- If you have installed previous versions of this plug-in, you are asked: "This folder already contains a file called 'clipsave.fmx'. Would you like to replace the existing file with this one?". Press the Yes button.
- Start FileMaker Pro. The Troj ClipSave Plug-in will display a dialog box, indicating that it is loading and showing the registration status.



**TIP** You can check which plug-ins you have loaded by going to the plug-in preferences: Choose **Preferences** from the **Edit** menu, and then choose **Plug-ins**.

You can now open the file "ClipSave.fp3" to see how to use the plug-in's functions. There is also a Function overview available.

**IMPORTANT** There is a problem in FileMaker Pro 4.0v1. Please make sure that all plug-ins that are in the folder "FileMaker Extensions" are enabled in the preferences. (Under Edit/ Preferences/ Application/ Plug-ins). Make sure all plug-ins have a cross before their name. Remove plug-ins you don't use from the "FileMaker Extensions" folder. This bug is fixed in version 4.1 and 4.0v2 and later.

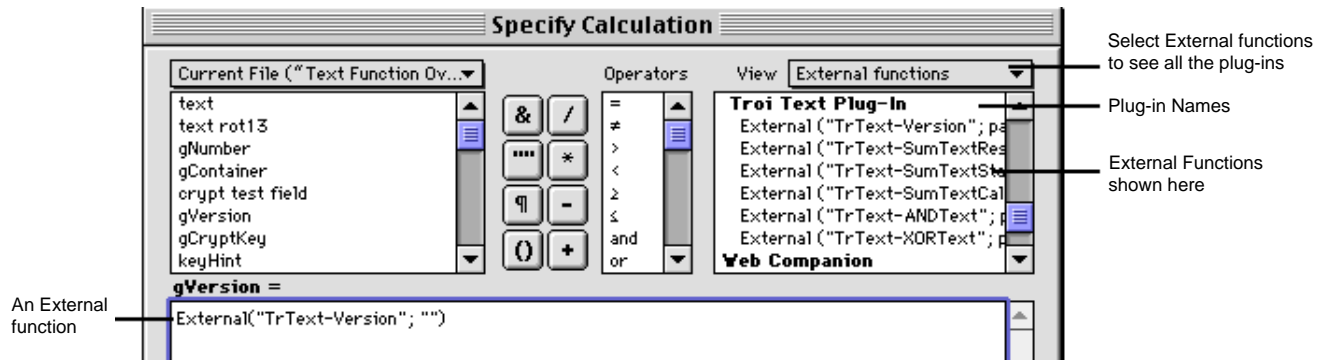
## If You Have Problems

This user manual tries to give you all the information necessary to use this plug-in. So if you have a problem please read this user guide first. If that doesn't help see the plug-in FAQ (Frequently asked questions): to see if this can answer your question: <<http://www.troi.com/software/pluginfaq.html>>. You can also get support by email. Send your questions to [support@troi.com](mailto:support@troi.com) with a full explanation of the problem. Also give as much relevant information (version of the plug-in, which platform, version of the operating system, version of FileMaker Pro) as possible.

If you find any mistake in this manual or have a suggestion please let us know. We appreciate your feedback!

## Summary of functions

Plug-ins add new functions to the standard functions that are available in FileMaker Pro. You can see those extra functions for all plug-ins at the top right of the Specify Calculation Box:



**IMPORTANT** In the United States, commas act as list separators in functions. In other countries semi-colons might be used as list separators. The separator being used depends on the operating system your computer uses, as well as the one used when the file was created. All examples show the functions with comma's.

The Troi ClipSave Plug-in adds the following functions:

<u>function name</u>	<u>short description</u>
Clip-Version	check for correct version of the plug-in
Clip-Save	save the clipboard
Clip-Restore	restore the previously saved clipboard

## Using external functions

External functions for this plug-in can be used in a script step using a calculation. The functions should not be used in a define field calculation.

# Using the ClipSave plug-in

## Purpose of the ClipSave plug-in

This plug-in is mainly intended to be used by developers of FileMaker databases. The functions of this plug-in should be added to ScriptMaker scripts only. This plug-in will make it possible to use the clipboard in the scripts, without the end user knowing the clipboard was temporary changed. Some useful script steps that change the clipboard are:

- Copy Record
- Copy All Records
- Copy (of a Page in Preview mode)
- Copy (of a field, with font and style preserved)
- External function steps from Plug-ins that use the clipboard (see for example our Grabber plug-in)

More uses might be possible.

## Implementing the ClipSave functions

You can implement the ClipSave functionality with 2 functions. These are the main steps to preserve the clipboard:

- 1- Save the clipboard
- 2- Use the clipboard as you need it
- 3- Restore the clipboard

In ScriptMaker this will look as follows:

```
Set Field [gErrorCode, External("Clip-Save", "") ]  
... add here your step(s) that mess with the clipboard  
Set Field [gErrorCode, External("Clip-Restore", "") ]
```

## Example Usage

This script uses the the **Copy All records** step to get a list of all the IDs of the records. First the Clipboard is saved, the Copy All Records step is done, and finally the clipboard is restored to the original value.

```
Set Field [gErrorCode, External("Clip-Save", "") ]  
Go to Layout ["Copy All Records"]  
Copy All Records  
Go to Layout [original layout]  
Paste [Select, "gAllRecordIDs"]  
Go to Field []  
Set Field [gErrorCode, External("Clip-Restore", "") ]
```

## Plug-in Limitations

The plug-in may fail if there is not enough memory to save the clipboard. The clipboard is then not saved, but FileMaker will continue.

# Function Reference

## Clip-Version

Example usage: External("Clip-Version" , "") will return "ClipSave Plug-in 1.0".

**IMPORTANT** Always use this function to determine if the plug-in is loaded. If the plug-in is not loaded use of external functions may result in data loss, as FileMaker will return an empty field to any external function that is not loaded.

## Clip-Save

**Syntax**    External("Clip-Save" , "")

Use this function to save the current contents of the clipboard. The contents of the clipboard is saved into memory. After you have called this function you can use the clipboard for your own purposes. Call the function **Clip-Restore** to restore the clipboard.

### Parameters

*no parameters:* leave blank

### Returned result

An error code. Possible results with error codes are:

0	no error occurred. the clipboard was saved.
\$\$-108	memory Full, the clipboard is not saved.

Other error codes might be returned.

**IMPORTANT** In your script always check for an error code in the returned result by checking if the result begins with "\$\$"

### Example Usage

```
Set Field [gErrorCode, External("Clip-Save", "") ]
```

## Clip-Restore

**Syntax**    External("Clip-Restore" , "")

Use this function to save the current contents of the clipboard. The contents of the clipboard is saved into memory. After you have called this function you can use the clipboard for your own purposes. Call the function **Clip-Save** first to save the clipboard.

### Parameters

*no parameters:* leave blank

### Returned result

An error code. Possible results with error codes are:

0	no error occurred, the clipboard was restored.
\$\$-50	parameter error, save the clipboard first.
\$\$-108	memory Full, the clipboard is not restored.

Other error codes might be returned.

**IMPORTANT** In your script always check for an error code in the returned result by checking if the result begins with "\$\$"

### Example Usage

```
Set Field [gErrorCode, External("Clip-Restore", "") ]
```