Paf/Pxo Converter v4.0 by M.K.Russ.

The Paf/Pxo Converter is a program designed to convert LG's proprietary image files, named .paf (Portable Animation File), and .pxo, into standard .bmp files, and back.

This is the fourth and most advanced version, which is able to decode multi-frame PAF files, as well as PXO files.

Paf/Pxo Converter 4.0 New/Improved Features:

- A new algorythm has been written to increase conversion speed, improve the handling of multi-framed images, fix previous bugs

- PXO extraction, and replacement features havce been added

- A Folder and File Browser have been added to make the program more user friendly

- An Image Previewer has been added for all images prior to conversion.

- New paf to bmp conversion window has been reformatted for user simplicity

- All types of images files have been added to the conversion library. A use may now convert all bit type bmp files, as well as .jpg, .jpeg, etc. You are no longer restricted to 16-bit bmp files

- An improved How-To Guide has been written to assist new users

- A Donate button has been added to encourage user to support future development

- The progress bar has been removed due to the increased speed of conversion and negligible waiting time for file conversion/extraction/replacement
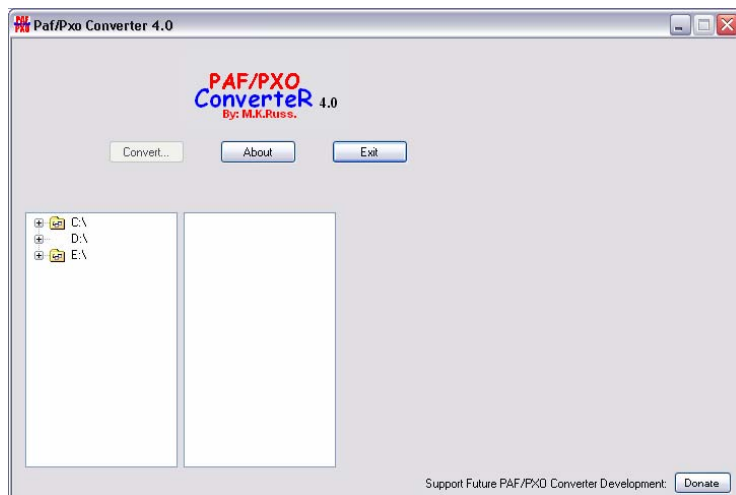
Future Considerations:

- Paf/Pxo Converter is able to connect directly to phone

- A Help file incorperated into the program

- PAF2 support

OPERATING PAF/PXO CONVERTER 4.0

When opening the program, you are greeted with a message with program information and a release date.

Proceeding from this you will view the following window

This window may not be resized, or maximized. This is done to preserve image display and program functions.
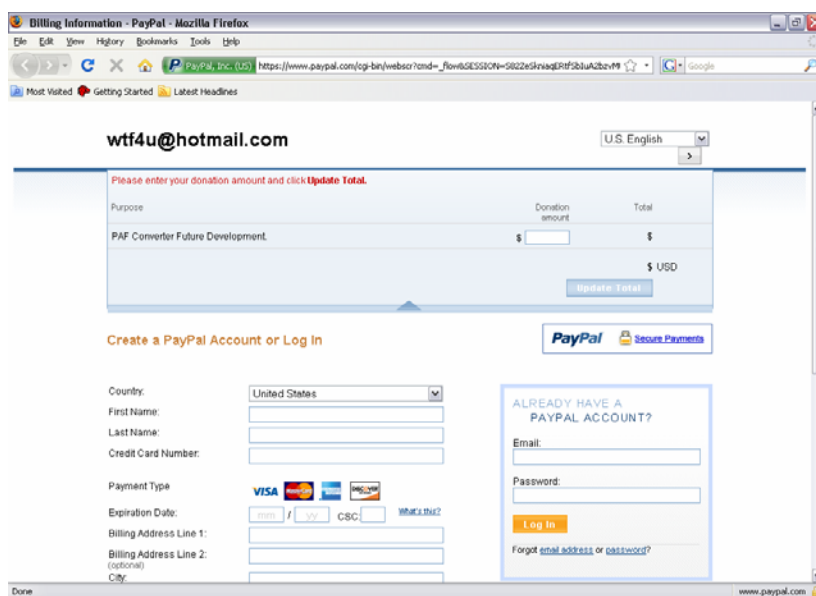
At this point, only three buttons are avaliable:

- About

- Exit (Self Explainatory)

- Donate

Clicking "About" will view the version history of the program as well as important notices

Clicking the "Donate" button will open your default browse to a PayPal donate screen with the programmer's/developer's information filled out. To donate, you must first log into your account. Donations are appreciated and are encouraged as they support the future development of the PAF/PXO Converter series.

You are able to convert the following types of files:

- PAF to Image

- Image to PAF

- PXO to Image

- Image to PXO

Begin by navigating to the preferred file.

PAF Files

IMPORTANT INFORMATION REGARDING .PAF CONVERSION

File Info:

File Size: 2864 bytes
File Type: .PAF
Image Dimensions:
{Width=55, Height=55}
PAF Type: PAF3
# of Frames: 1

In order for your newly created/modified .paf files to work properly, they must be overwritten wit the same settings as the original file.

You may view these settings when selecting the file you are interested in converting.

Mixing up these settings will cause errors when re-load your phone.

Once you have selected the paf file type you would like to convert, the Convert… button will now become active.

By clicking it, you will be prompted to select a location to save the Image file the PnP Converter will generate. You will also need to create a name for the file.

If the file contains multiple frames, the Save Name will be used as a prefix to each framed, and they will be numbered numerically.

Upon completion, you will be notified with a "Conversion Complete!" message.

In the new version, you are only able to convert the raw files from the image, as opposed to the Overlay settings.
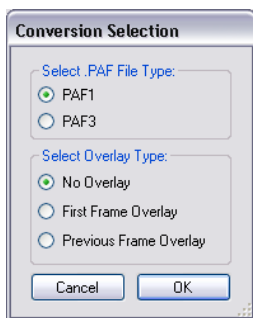
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<u>Image Files</u>

Once you have selected the image file you would like to convert, the Convert… button will now become active.

If this is the first frame of the image, or is a single frame of the image (file ending _0), you will be prompted with an Error Correction message.

By default, click No. If conversion problems arise, attempt the conversion again with the Error Correction in place.

If this is a multiframed image (anything other than _0), you will be prompted with a Conversion screen:

Using the data you remembered from the .paf file, fill out the correct .PAF File Type.
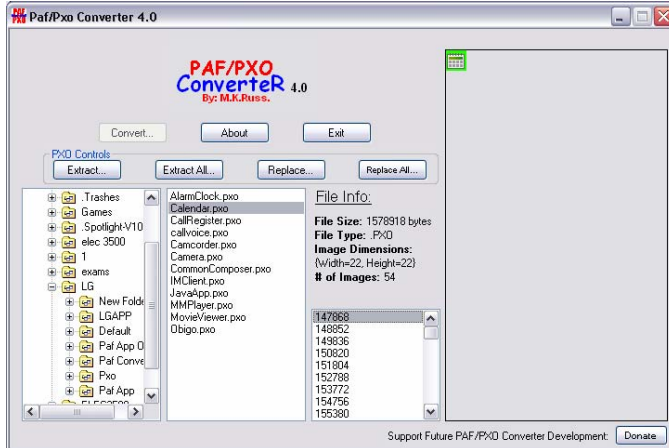
Depending on the modifications you made to the .paf file, select the appropriate Overlay Type.

A Tutorial on Animated Paf Creation is posted at the end of this document.

Upon completion, you will be notified with a Completion message.

PXO Files

As PXO Files are never directly converted, they have their own controls. Once you have selected the pxo file you would like to modify, and have selected an image from the file, the PXO Controls become visible.

The following buttons are relevant:

- Extract…

- Extract All…

- Replace…

- Replace All…

Clicking Extract… will extract the currently selected image. You will be promted with a Save As… window where you will need to fill out the File Name. Once completed, you will be notified with a Completion Message.

Clicking Extract All… will extract all of the images in the file. You will be prompted for a folder into which you wish to extract the images. The images will be extracted with the file name as the prefix, and the physical image location as the appix. This is important for when you wish to Replace All of the images.

Clicking Replace… will replace the image in the file with your own. You will be prompted to Load the image you wish to replace. **IT IS VITAL THAT THE IMAGES ARE THE SAME DIMENSIONS.** Upon completion, you will receive a Completion message.

Clicking Replace All… will replace all the images in the file with your own. You will be prompted to select the folder where the images are located. **IT IS VITAL THAT YOU DO NOT CHANGE THE IMAGE NAMES WHEN EDITING THEM PRIOR TO REPLACEMENT.** Upon completion, you will receive a Completion message.

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<u>ADDITIONAL INFORMATION:</u>

As users have in the past, you are encouraged to report any problems either to the website you are a member of, only if the user M.K.Russ. is a member of it. (www.LG-Vu.com, www.mygreatphone.com/forum/)

Otherwise, please feel free to contact me directly at wtf4u@hotmail.com.

For an online tutorial on how to make multiframed paf images, please visit http://www.lg-vu.com/index.php?topic=3837.0 . My thanks to NanoLT.

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Version History:

3.1 to 4.0(April 23, 2009):

- fixed conversion bugs from 3.1 and 3.1.1

- improved conversion algorythm

- improved multi-frame conversion states

- added image preview

- added folder/file browser

- added PXO conversion tools

- removed progress bar(negligible speeds)

3.1 to 3.1.1(December 24, 2008) (Private Release):

- fixed multi frame conversion error message

3.0 to 3.1(December 15, 2008):
- fixed single frame conversion error message
2.0 to 3.0(December 08, 2008):
- multiframe option
- fixed select bugs during conversion
1.1.0   to 2.0(October 15, 2008):
- GUI interface from console mode
- fixed select bugs during conversion
1.0 to 1.1.0(October 07, 2008):
- 1.1.0: First Public Release
- increased maximum allowable conversion image size
1.0(October 04, 2008,): Private Release

Thank you for using Paf/Pxo Converter v4.0 by M.K.Russ. ☺