

IBMpc TIFF (Tagged File Format) to Macintosh TIFF v2.0

Apple File Exchange Translator

Shareware \$10.00

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Place the "**TIFF (IBMpc to Mac)**" file into the same folder as Apple File Exchange application, the next time use start Apple File Exchange this translator will be available in the "Mac to Mac" menu or the MS-Dos to Mac" menus.

You can select the Macintosh the creator. Some applications allow only TIFF as a file type. This translator check the start of the file to filter out non-TIFF files, to support AFE "Show only eligible files" option. Only files starting with 'MM' or 'II' which is the correct header information for TIFF image will be listed as eligible files. To set the options select the TIFF IBM to Mac translator from Apple File Exchange's menu. It will bring up the following dialog box:



Not all TIFF (Tagged Image File Format) are the same, this AFE translator will read most formats of TIFF file defined in TIFF V5.0, it will not read TIFF RGB & new formats supported in TIFF V6.0.

TIFF file have many formats: Black and white, grey scale, full colour (24-bit), and palette colour (4-bit and 8-bit) images. TIFF files support the uses of data compression using: LZW, PackBits, and CCITT 1D compression (PackBits and CCITT 1D are allowed on black-and-white images only), LZW can be used with any image type.

To complicate matters, two byte orders are supported: 'II' (Intel) and 'MM' (Motorola), as indicated by the TIFF file header. The following is a short description of TIFF file formats and their usage. For more information on TIFF file format change the TIFF V6.0 file specifications.

Black-and-white TIFF image format:



The image on the left save as different types compressed B&W TIFF files take up different amounts of space.

- no compression (3042 bytes)
- CCITT 1D-compressed (2931 bytes)
- PackBis-compressed (1974 bytes)
- LZW-compressed (1310 bytes)

Note: file size varies, but image quality does not vary.

Special note: halftoned image are a special type of B&W image. As with all halftoned images, it won't look very pretty in PageMaker or on the screen, due to resampling and the 300-vs-72 dpi mismatch, but it will print fine unless you change the size (or scale it).

Grey scale TIFF image format

Grey scale image, are much better and more flexible format to save picture in than the equivalent halftone image. They can be re-scale, displayed on the screen and printed with no major problems. Note that a 8-bit grey scale scans at 72dpi or 150 dpi is more than adequate resolution for printing on 300 dpi and 600 dpi printers. The printer has to convert the Grey scale information into a B&W

halftone image to print it ..

Palette colour (4-bit and 8-bit) TIFF image descriptions:

Palette colour lookup tables describe the set of colours in the picture. User can scale them, and print them the same way Grey scale TIFF image can be scaled.

Full colour (24-bit) TIFF images

Independend R,G,B 8 bit colour channels. Currently not support by this version of the translator.

This is a shareware program, if you copy and use this translator please send a cheque for \$10.00 (make cheques payable to: R. Mark Fleming) to:

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(613) 545-2039 (work)

Or translates the TIFF file to Macintosh PICT file.

If you uses this translator, please send \$10.00 (Shareware) to the above address.
Educational site licences available for \$100.00.

Credits: I would like to thank Aldus Developers' Desk for posting sample TIFF reading code to AppleLink, and Apple for posting sample code to writing PICT 2 file on B&W Macintoshes.

You can send request for other translators, bug reports and suggestions to: markf@post.queensu.ca

History...

V1.0.0 Created from EPSF translator.

V2.0 RMF Added Translation of TIFF to PICT option.

Aldus and PageMaker are registered trademarks and TIFF is a trademark of Aldus Corporation.

Other translators that I have written (as of April 5th, 1993):

EPSF (IBMpc to Macintosh) v1.02

WordStar to RTF v1.02

dBase II, III, & IV to CSV v1.0.4

Windows (.BMP) to PICT2 V1.02