

MetaView

COLLABORATORS

	<i>TITLE :</i> MetaView		
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WRITTEN BY		August 24, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

MetaView

1.1 main

M E T A V I E W 2 . 5

Requirement

Installation

What is it?

Shareware

Bugs

Errormsg.

Start

ARexx

Menu

Requesters

converting more then one
History

Author

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1.2 requirement

- any Amiga
- OS 2.x (only tested with 3.0)
- 1 MB RAM or better (more than 0.5 MB free ChipMem)
- for Kick 3.x, the 'tabs.gadget' (included)
- for Kick 3.1, maybe the new 'SetPatch' (included)

1.3 installation

- doubleclick the install-icon.
- or
- copy the 'libs/amigametaformat.library' to 'libs:'
 - create the drawer 'libs:AMF/'
 - copy all files from 'libs/AMF/' to 'libs:AMF/'
 - copy from 'libs/gadgets/tabs.gadget' to 'sys:classes/gadgets/'
 - copy the executable "MetaView", where ever you want
 - remark the path to MetaView in 'envarc:MetaView.path', with 'echo "(MetaView ← path)/MetaView" >envarc:MetaView.path'
- and if you have:
- copy the keyfile "keyfile.metaview" to the same directory like the executable

1.4 what is it

Programm to view and convert

- * AMF files
- * CGM files
- * CMX files (work in progress)
- * DR2D files
- * DSDR files
- * DXF files
- * GEM files
- * HPGL files (work in progress)
- * WMF files (also embeded in Windows(tm) CLP files)
- * WPG files (version 1.0, version 2.0 work in progress)
- * XFIG files (version 3.0 or 3.1)

to

- * AI
- * AMF
- * CGM
- * DR2D
- * EPS (with TIFF preview)
- * GEM
- * HPGL
- * ILBM
- * JMF
- * WMF
- * XFIG

The CMX import replace the the CDR import. Still work in progress.

1.5 shareware

SHAREWARE:

This MetaView are shareware. If you use this programm regularly you must pay 30,- DM (20 \$) to

me

. After this you get the newest version from MetaView and the keyfile. Without the keyfile you can't save your pictures with ARexx.

For bank account and my address, please look at the end of file.

The executable are freely distributable, only the keyfile "keyfile.metaview" are not freely distributable without permission from me.

To get the newer versions from MetaView, bugfixes etc. please look at "Aminet:gfx/conv/" or you send

me

a empty disk and a franked and filled return envelop.

1.6 bugs

- Not all WMF-codes are supported, but the most WMF-files should work.
- In this version MetaView can't display and convert any included BitMaps!!!
- If you find a bug on startup and own Kick 3.1, please install the new SetPatch 43.6 (included) and try again.
- If you find any other bug please feel free to send me a mail with the following dates:
 - your configuration
 - in which cases the bug appears
 - if there only appears on some gfx files, then please send me also the gfx files

I TAKE NO WARRANTLY FOR ANY DAMAGES ON YOUR SYSTEM!

1.7 errors

- Warning in the metafiles are mostly harmless. Please look in AmigaMetaFormat-description for the exact cause.

Errors are:

0	no errors
1	not enough memory
2	not supported
3	wrong arguments
4	other

ex. Functions are:

11	polygons
15	splines

16 filled polygons
21 filled splines

1.8 start

This program is startable from Workbench or CLI.
For start from Workbench just doubleclick the icon.
For start from CLI just type in the consolewindow 'MetaView'. You can give some options:

- LOADNAME the gfx-file to view

- SAVENAME the gfx-file to save, for converting, if you have give a SAVENAME, then the program will not open the window to show the gfx-file.
You can also give only the path for saveing, then the savename will be build from loadname plus new extension for filetype
- LOAD/K force to load the gfx-file as AMF, WMF, CMX, DXF, DR2D, WPG, CLP, GEM, CGM, DSDR, HPGL
, IF you dont use this option, the program look FOR the filetype alone.

- SAVE/K save the gfx-file as AMF, EPS, CGM, GEM, WW, ILBM, AMF2, JMF, WMF or PRT
AMF - AmigaMetaFileFormat
AMF2 - AMF with previewpicture (* not yet *)
DR2D - Drawing 2D
JMF - Java Metafile
WMF - Windows Metafile
CGM - Computer Graphics Metafile
GEM - GEM Metafile
WW - WordWorth-ARexx-script
EPS - Encapsulated PostScript
AI - Adobe Illustrator
ILBM - Interleaved Bitmap
HPGL - HP Graphics Language
PRT - Printer
CLIP - copy to ClipBoard unit 0
PLOT - send HPGL to Plotter
POST - send PS to PostScriptPrinter

if you dont use this option, then you get AMF-files

- WIDTH/K/N for ILBM, CLIP and PRT the WIDTH of output (ILBM, CLIP - pixels, PRT, PLOT, POST - mm)

- HEIGHT/K/N for ILBM, CLIP, PRT, PLOT and POST the HEIGHT

- XOFF/K/N for PRT, POST and PLOT the x-position in mm

- YOFF/K/N for PRT, POST and PLOT the y-position in mm

- DEPTH/K/N Depth for ILBM, CLIP and PRT output
- ERRORS/S writeout debug informations, make a big decrease of the speed of fileparsing
- NOPROP/S no preserve picture-aspect
- TRANSPARENT/S no drawing in background and set color 0 as transparent for ILBM and CLIP output
- NODISPLAY/S MetaView will not open a screen but only create a ARexxPort for background operations

the default options are:

```
SAVE      = AMF
WIDTH    = 640 (ILBM,CLIP) or 50 (PRT,POST,PLOT)
HEIGHT   = 400 (ILBM,CLIP) or 50 (PRT,POST,PLOT)
XOFF     = 0
YOFF     = 0
DEPTH    = 4
```

1.9 batch

For converting a whole directory of cliparts you can use the ↔ shellscript

"s:spat". How to use:

1. go to the CLI
2. write down the following command in one line


```
"s:spat <MetaView-path>/MetaView <Source-path>/<Source-pattern>
<Destination-path>/ SAVE <
Saveformat
>"
```

```
substitute <MetaView-path>    with the path to MetaView
substitute <Source-path>     with the path to the source directory
substitute <Source-pattern>   with the pattern for the Sourcefiles,
look at the DOS manual
substitute <Destination-path> with the path to the destination directory,
must exist
substitute <Saveformat>      with the format, you want to convert to
```

Example: "s:spat work:MetaView/MetaView cd0:clips/#?.wmf Cliparts: SAVE DR2D"

1.10 arexx

MetaView opens a ARexxPort based on the name "METAVIEW" a point ↔ "." and a

number starting at 0. So if you start MetaView once the ARexxPort name are "METAVIEW.0".

Commands:

- LOAD load a gfx-file
 - LOADNAME/A name of gfx-file
 - AS/K force to load gfx-file as AMF,WMF,...
- SAVE save a gfx-file
 - SAVENAME/A name of gfx-file
 - AS/K save the gfx-file as
 - AMF, EPS, GEM, CGM, HPGL, DR2D, WW, ILBM, JMF, WMF, XFIG
 - WIDTH/K/N pixel width for ILBM output
 - HEIGHT/K/N pixel height for ILBM output
 - DEPTH/K/N depth for ILBM output
- PRINT print a gfx-file
 - XOFF/K/N left offset in mm
 - YOFF/K/N right offset in mm
 - WIDTH/K/N width in mm
 - HEIGHT/K/N height in mm
 - DEPTH/K/N depth of printing
- COPY copy a gfx-file to clipboard (unit 0)
 - WIDTH/K/N pixel width
 - HEIGHT/K/N pixel height
 - DEPTH/K/N depth
- SET set some attributes
 - PROP/S preserve picture-aspect
 - NOPROP/S no preserve picture-aspect
 - TRANSPARENT/S background transparent
 - NOTRANSPARENT/S no transparent
- REQUESTFILE ask for a filename (in "result")
 - PATH initial filepath and -name
 - TITLE/K title of requester
 - OK/K string for ok-button
 - PATTERN/K string for pattern
- REQUESTCHOICE ask for options (in "rc")
 - TITLE/K title of requester
 - BODY/K string for question
 - BUTTONS/K string for buttons (seperate with "|")
- REQUEST inform the user
 - BODY/F information string
- ASKFONT ask the user for unkown fonts
 - NO/S or use the default font
- QUIT quit MetaView

There exist some ARexx-Scripts in the drawer "ARexx-Examples".

1.11 menu

- Project
- Open
 - (look here for formate)
 - Open as
 - AMF
 - WMF
 - CLP
 - DR2D
 - WPG

```

- DXF
- FIG
- CMX
- DSDR
- GEM
- CGM
- HPGL
- Save as
      (look here for formate)
      - AMF
- AMF+PIC /* not yet */
-
      ILBM
      - EPS
- GEM
- CGM
- DR2D
- HPGL
- WW
- AI
- WMF
- JMF
- FIG
-
      Print
      - Plotter
- PostScript
- About
- Quit
- Other
- Logo      - draw the start picture again
- Info      - show some picture infos (type, size, version)
- Copy      - copy to clipboard (unit 0)
- Settings
- Aspect    - preserve picture aspect (proportions) or not
- Transparent - draw to background or not (important for ILBM brush)
-
      Change...
      - change screentype, -mode, -depth and defaultfonts

```

1.12 requesters

```

- Print
- you can set the print dimension either by numbers (mm) or by drawing
  a rectangle with the mouse (press leftmousebutton and drag)
- you can set the depth of printing (from black and white to 256 colors)
- you can suppress the paper ejecting
- you can switch on a frame outside of picture
- Save ILBM
- you can set the picture dimension and the depth
- the switch strip means, that the picture will be render in 9 stripes
  and saved to one ILBM to save ChipMem and allow big ILBM-Pictures
- Change
      Settings...

```

- you can set either custom- or publicscreen
- change the name of publicscreen
- change the screenmode and -depth
- set the defaultfonts (for serif, sans serif, deco, typewriter, script)
- allow the progressbar
- select the EPS preview size
- change printer.device and unit
- select plotter.device and postscript.device
- Substitute FONT
 - substitute the not existing font either with defaultfonts (serif, sans serif, ...) or a special font, selected now
 - press "USE" for using now or "INCLUDE" for including by save as other formats

1.13 preferences

- Settings saved in env:MetaView.prefs and envarc:MetaView.prefs as ASCII and can also edit separate

Defaults:

```

SCREENMODE=$8004
SCREENWIDTH=-1
SCREENHEIGHT=-1
SCREENDDEPTH=4
CUSTOMSCREEN=TRUE
PUBLICSCREEN=Workbench
SERIF_FONT=Times.font
SANS_FONT=Helvetica.font
TYPE_FONT=Courier.font
SCRIPT_FONT=Times.font
DECO_FONT=Times.font
PRINT_DEVICE=printer.device
PRINT_UNIT=0
PLOTTER=PLT:
POSTSCRIPT=PSPRT:
PROGRESS=0          -> 0 - none; 1 - only I/O; 2 - I/O and refresh
EPS_PREVIEW=0      -> 0 - no preview; 32/64/128/256 the max. size of preview

```

1.14 formate

Format Description

Save:

AMF	Amiga MetaFile my own format, deviceindependent, fast and based on AmigaMetaFormat.library
CGM	ComputerGraphicMetafile uses on Amiga (WordWorth, with colors), PC or UNIX

GEM uses on Amiga (WordWorth, no colors), PC or Atari

EPS Encapsulated PostScript
uses on all Computersystems, can also printed on PSPrinters,
TIFF preview is possible

HPGL Hewlett-Packard Graphics Language
uses for Plotters

DR2D Drawing 2D
uses on Amiga (PageStream, DrawStudio, ProVector etc.)

ILBM Interleaved BitMap
uses on Amiga (DPaint etc.) but lost quality on sizeing

AI Adobe Illustrator

WMF Windows MetaFile
uses on PC (many Clipart-CDs)

JMF Java MetaFile uses on the WWW, please
look at my HomePage for more informations

FIG uses on Amiga (AmiFIG or XFig) and UNIX (XFig)

Load:

AMF

CLP Clipboard
uses for ClipBoard on PC (Windows)

WMF

WPG Wordperfect Graphic
uses on PC (WordPerfect), (some Clipart-CDs)

CMX uses on PC and also Macintosh (CorelDraw),

DR2D

DXF Drawing Exchange File
uses on PC and UNIX (AutoCAD), (mostly CAD files)

DSDR DrawStudio Drawing
uses on Amiga (DrawStudio)

FIG

GEM

CGM

HPGL

1.15 author

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Number of bank: 100 500 00
Number of account: 1744 037 104

Please fill out the following form and send it to me:

----- cut here -----

Name: _____

Address: _____

Hometown: _____

Country: _____

E-Mail: _____

Payment: Banktransfer (preferred)
 Money (on your own risk!)
 Check (payable to me)

Comment: _____

----- cut here -----

1.16 thanks

- to all peoples, that support the AMIGA
- to all peoples, that understand my bad english ;-)
- to my girlfriend and my rat ;-)
- to all peoples that mail or write me
- and last but not least to all peoples, that have register, thanx

1.17 index_e

A
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ARexx
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