

**085c5030-0**

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<b>COLLABORATORS</b>
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# Chapter 1

## 085c5030-0

### 1.1 MysticView

MysticView	
datatype picture viewer	
~~introduction~~~~~	~~copyright~~~~~
~~features~~~~~	~~disclaimer~~~~~
~~insufficiencies~~~~~	~~distribution~~~~~
~~requirements~~~~~	~~shareware~~~~~
~~displaying~pictures~~	~~submissions~~~~~
~~main~window~usage~~~	~~author~~~~~
~~configuration~~~~~	~~getting~datatypes~~~~~
~~examples~~~~~	~~acknowledgements~~~~~
~~hints~~~~~	~~history~~~~~
~~known~problems~~~~~	

### 1.2 introduction

introduction

MysticView is an easy-to-use picture viewer with modern features, providing excellent display quality and great flexibility.

see also

~~features~~~~~

~~insufficiencies~~

### 1.3 features

features

- fully independent from native display hardware:  
displays every picture on any screen mode, resolution and color depth, including hicolor, truecolor and HAM.
- user and system friendly:  
integrates perfectly to your system - opens a scalable (or borderless) window on your workbench, or on any public or custom screen.
- free scaling:  
scales images to the required dimensions automatically, with respect to the aspect ratios of both the screen and the picture.
- display quality:  
features highly elaborated color quantization and rendering. floyd-steinberg and EDD dithering are available on displays with 256 or less colors, and on HAM screens.
- heavily multithreaded:  
uses massive internal multitasking for an user-compliant behavior. the main window stays usable while loading, drawing, copying, scanning, ...
- highly configurable:  
has got innumerable configuration details to suit your personal taste. you can create up to 10 different configurations covering any detail - to be invoked with a single keystroke.

see also

~~insufficiencies~~

## 1.4 insufficiencies

insufficiencies

- MysticView is fully dependent from datatypes, since there are no custom loading routines implemented yet.
- MysticView demands a lot of memory and cpu power. it is best suited for well-equipped systems.
- MysticView does not feature progressive loading
- MysticView is not intended to act as an image converter, effect processor, and alike. it just displays pictures.
- MysticView is not localized.

see also

~~requirements~~~~~

~~known~problems~~~~~

---

~~getting~datatypes~~

## 1.5 requirements

requirements

- os3.0 (v39)
- 68020, minimum suggested: 68030/50
- lots of memory, minimum suggested: 4 MB
- datatypes.library v39 (suggested: v43)
- guigfx.library v8
- render.library v28

supports

- higher cpu, fpu
- os3.1
- cybergraphx
- picasso96

see also

~~getting~datatypes~~

## 1.6 usage

main window usage

mouse control:

when a picture is not fully visible, it can be dragged around with the mouse.

keyboard control:

- escape  
hide MysticView
  - tab  
zip/unzip window
  - enter or space or n  
next picture
  - . or p  
previous picture
  - s  
start/stop slideshow
  - i  
toggle picture information
-

- 
- c  
toggle picture cursor
  - d  
activate / deactivate dithering
  - + and -  
zoom picture by an factor defined throughout ZOOMSTEP
  - \*  
reset zoom factor to 1
  - [ and ]  
rotate left/right by an angle defined throughout ROTATESTEP
  - /  
reset rotation to an angle of 0 degrees
  - arrow keys / ALT arrow keys / SHIFT arrow keys  
scroll inside a zoomed picture
  - #  
reset position
  - f1 ... f10  
copy the current picture to a configurable path.
  - SHIFT f1 ... SHIFT f10  
move the current picture to a configurable path.
  - CTRL f1 ... CTRL f10  
use one of 10 configurable presets. the preset-settings themselves will be carried over to the new configuration.
  - 1  
activate keep aspect min mode
  - 2  
activate keep aspect max mode
  - 3  
activate 1:1 pixel mode
  - 4  
activate ignore aspect mode
  - 5  
activate fit mode
  - x  
flip picture horizontally
  - y  
flip picture vertically
-

## 1.7 configuration

configuration

the following keywords are available throughout tooltypes and shell arguments. exceptions: LISTFILE, PRESETFILE and DEFAULT are only available in the commandline.

note: the keywords are always case-insensitive.

```

~~AUTOHIDE~~~~~ hide after last picture
~~AUTOQUIT~~~~~ quit after last picture
~~AUTOSAVESETTINGS~~~~~ save settings at exit
~~BACKDROP~~~~~ borderless backdrop window
~~BGCOLOR~~~~~ window's background color
~~CONFIRM~~~~~ suppress annoying "are you sure" requesters
~~CX_POPKEY~~~~~ hotkey command sequence
~~CX_PRIORITY~~~~~ hotkey command priority
~~CX_POPUP~~~~~ open in iconified state?
~~DEFAULT~~~~~ use hardcoded defaults
~~DEFICON~~~~~ template icon for thumbnails
~~DEPTH~~~~~ custom screen depth
~~DESTPATH0...9~~~~~ 10 paths for copying/moving
~~DISPLAYMODE~~~~~ pixel aspects, scaling and more
~~DITHERING~~~~~ enable dithering
~~DITHERMODE~~~~~ Floyd-Steinberg or EDD
~~HAM~~~~~ open HAM screen
~~HIDEWITHPICTURE~~~~~ keep image when iconified
~~ICONIFY~~~~~ iconify mode
~~KEEPIMAGE~~~~~ keep current image while loading
~~LISTFILE~~~~~ listfile to use at startup
~~LISTPATH~~~~~ default path for listfiles
~~MODEID~~~~~ screen mode id
~~NOLOOP~~~~~ do not loop eternally
~~NORECURSE~~~~~ do not scan subdirectories
~~PRECISION~~~~~ color allocation greediness
~~PRESET0...9~~~~~ 10 configurations at your fingertips
~~PRESETFILE~~~~~ configuration to load at startup
~~PRESETPATH~~~~~ default path for preset files
~~PRELOAD~~~~~ load next pictures in the background
~~PREVIEWMODE~~~~~ realtime update when scaling/scrolling
~~PUBSCREEN~~~~~ public screen to open upon
~~QUICKPALETTE~~~~~ static palette, quicker and dirtier
~~REFRESHMODE~~~~~ preferably smart
~~RENDERMEM~~~~~ faster rendering or higher accuracy?
~~REQUESTFILE~~~~~ open filerequester at startup
~~ROTATESTEP~~~~~ in degrees
~~SCREENASPECTX/Y~~~~~ correct biased screen aspects
~~SCROPENMODE~~~~~ public, custom, or default screen
~~SCRWIDTH,~SCRHEIGHT~~~ let MysticView choose your screenmode
~~SHOWCURSOR~~~~~ imaginary image cursor
~~SLIDEDELAY~~~~~ delay between pictures
~~SLIDESHOW~~~~~ advance to the next picture automatically
~~SORTMODE~~~~~ none, alpha, date
~~STARTPATH~~~~~ default initial path to your pictures
~~STARTPIC~~~~~ for those who HATE MysticView's logo

```

---

```

~~WINLEFT,~WINTOP~~~~~ determine fixed window position
~~WINOPENMODE~~~~~ window location mode
~~WINSIZEMODE~~~~~ window size mode
~~WINWIDTH,~WINHEIGHT~~ determine fixed window size
~~ZOOMSTEP~~~~~ relative step rate to zoom in/out

```

see also  
 ~~examples~~

## 1.8 hints

configuration hints

MysticView is designed for well-equipped Amigas. it demands a lot of ressources (both CPU power and memory).

here are some hints that may help you to find the right configuration for your system.

these settings reduce memory consumption:

```

KEEPIMAGE~~      off          !!!
PRELOAD~~~~      off          !!!
PREVIEWMODE      not OPAQUE    !!
REFRESHMODE      SIMPLE       !
RENDERMEM~~      LOW

```

these settings increase speed:

```

DITHER~~~~~      off          !!
PRELOAD~~~~~      on$^1$      !!
QUICKPALETTE      on          !
PREVIEWMODE~      not OPAQUE
RENDERMEM~~~      LOW
REFRESHMODE~      SMART

```

\$^1\$ when advancing to the next picture, or in slideshow mode

these settings improve usability:

```

PREVIEWMODE~      OPAQUE$^1$
KEEPIMAGE~~~      on
PRELOAD~~~~~      on

```

\$^1\$ with a fast processor

the settings improve display quality:

```

DITHER~~~~~      on
DEPTH~~~~~        15/16/24$^1$
HAM~~~~~          on$^2$

```

---

```
RENDERMEM~~~    HIGH
QUICKPALETTE    off
```

```
$^1$ with graphics card.
$^2$ without graphics card.
```

## 1.9 history

history

0.98g

- fixed slideshow bug: when only one picture was selected and slideshow plus loop mode was activated, the picture was reloaded over and over again. reported by Joker.
- minor aspect problems fixed.
- the image aspect is now displayed in the information textline.

0.98f

- added JPEG saving. (no options yet. default saving quality used).
- fixed commandline options. reported by Kilyman.

0.98e

- added autodither.
- fixed timing problems in slideshow mode.

0.98d

- MysticView now requires mysticview.library.

0.98c

- MysticView has been slightly sped-up on truecolor displays.
  - added ZOOMSTEP.
  - limited newicon thumbnails to a size of 80x80 pixels and 64 colors. this will speed up the icon display on your Workbench. (this is still no final solution, though.)
  - added configurable slots for preset files. they can be accessed throughout CTRL F1 ... F10 and configured by selecting them from the menu. requested by H. Richter.
  - the same scheme now applies to the configurable destination paths for copying/moving. keyboard executes, menu selection configures.
  - slideshows didn't always stop immediately. fixed.
  - implemented SHOWCURSOR.
  - the REQUESTFILE option is now considered after a slideshow stopped. requested by P. Habermehl.
  - implemented SHOWCURSOR.
  - finally fixed the publicscreen/customscreen problem. the setting SCROPENMODE=CUSTOM/PUBLIC/NONE replaces the former tooltype CUSTOMSCREEN.
  - added CX\_PRIORITY, CX\_POPKEY and CX\_POPUP.
  - MysticView is now a commodity. ESC to hide, Amiga-Q to quit. note: 'hide' keeps the current image - and you keep that in mind when you iconify MysticView with a 2880x1440x24 image :)
  - the screen is no longer closed and reopened for the change of
-

- window settings.
- fixed a memory allocation bug with the PUBSCREEN setting.
- many minor changes
- added AUTOHIDE.
- the picture aspect is now handled for thumbnails.
- added pubscreen select and default/public/custom menu items.
- added appicon
- added rotation. (preliminary. SHOWCURSOR and grid refresh doesn't work corretly with the image being rotated)
- fixed install script for 030/FPU version. Reported by B. Murray.
- deleted pictures are now removed from the list and MysticView advances to the next picture. requested by P. Dahlberg.
- added ROTATESTEP
- added DEFAULTICON
- added CONFIRM. requested by P. Dahlberg.
- added HIDEWITHPICTURE.
- added ICONIFYMODE.

## 0.98b

- fixed PUBSCREEN setting. pubscreens have got precedence over CUSTOMSCREEN now. reported by P. Habermehl and M. Kilimann.
- fixed MysticView's new icon to use only required colors. reported by M. Kilimann.
- looping and AUTOQUIT are now applied in general, not only in slideshow mode. requested by P. Habermehl.

## \* 0.98a

- forgot to implement NORECURSE tooltype setting. fixed.
- added NOLOOP and AUTOQUIT settings. requested by P. Habermehl.
- new default background color
- implemented SORTMODE none/random/alpha
- added limitations for unregistered users. :)

## 0.97h

- added setting DITHERMODE. implemented EDD dithering.
- renamed DITHER to DITHERING.
- pictures that could not be loaded no longer interrupt slideshows, and a proper error message will be displayed.
- added Delete Picture.
- copy/move/delete now applies to the pictures' icons, too.
- added STARTPIC setting.
- restructured menus.
- added Flip Horizontally and Flip Vertically.
- MysticView now creates a new icon for its settings, if necessary.
- implemented loading and saving of presets, added PRESETPATH and PRESETFILE settings
- fixed DEFAULT option. now the defaults are overridden by arguments specified in the command line.

## 0.97g

- the preload task's priority has been reset to -1.
- added newicon thumbnail feature. (preliminary, for experimental purposes only)

\* 0.97f

---

- added preloading.
- added invisible close and screenback gadgets. this works only when both the settings WINSIZEMODE=FULL and BACKDROP are specified. requested by Joker.
- MysticView no longer forgets the current filename when the configuration is changed, and slideshows will be continued.
- added some more keyboard shortcuts
- dropped german documentation, created a guide file and an install script

## 0.97e

- added picture information and PICINFO setting
- implemented a new picture-management class consisting of several subtasks.
- slideshow now works as expected. (preload is not yet re-implemented, though)
- fixed many menu-related problems and improved menu layout
- added copy to..., move to... for 10 configurable slots each.
- all path/filenames are now handled dynamically
- with the REQUESTFILE option enabled, a requester no longer pops up when images were specified at startup.
- improved memory management
- when initialization fails, a requester is shown for retry, cancel, or retry using defaults.
- added LISTFILE commandline option. it allows to specify a list file from where to fetch pictures.
- added Open List File... menu and LISTPATH config.
- the window border is now refreshed correctly (after approx. 1/5 second. guess what, a subtask is used here. opaque window sizing would suffer too much from refreshing the window border all the time :)
- finally! MysticView should close down gently now if the required versions of guigfx or render.library could not be opened (#&\$@%!?)
- new icon tooltypes are created dynamically. no need to upgrade MysticView's icon anymore.

## 0.97d

- the configuration is now saved to MysticView's icon.
- menu items didn't toggle correctly (forgot MENUTOGGLE. what the heck, why does this work with MagicMenu ;)
- added more CTRL\_C exit breakpoints
- the main task priority is now reset correctly.
- improved handling
- major menu layout rework
- added AUTOSAVESETTINGS
- added PREVIEWMODE
- added grid refresh
- fixed lots of minor quirks and problems

## 0.97c

- slightly improved screenmode selection logic: default screen size is now the workbench's visual dimensions, no longer its absolute size.
- re-implemented screenaspect tooltypes (thanks to ZZA :)
- added slideshow mode
- MysticViw now reads its configuration from the icon,

- even when started from shell. commandline arguments simply override the settings from the icon's tooltypes.
- added mouse scrolling - it's now possible to drag the picture around in MysticView's window.
- added a lot of menu items
- improved HAM refresh logic
- the screen's title bar is no longer obscured in WINOPENMODE=VISIBLE and without BACKDROP mode.
- added MODEID, SCRWIDTH, SCRHEIGHT
- added screenmode requester

## 0.97b

- MysticView crashed without cybergraphics. Fixed.

## 0.97a

- The display part has been rewritten. Now a daemon-like view-class handles the display as a background task. the new display logic is faster.
- implemented zooming and scrolling in all displaymodes (except for DISPLAYMODE=FIT).
- implemented DISPLAYMODE KEEPASPECT2 and IGNOREASPECT. DISPLAYMODE=ONEPIXEL has got a slightly different meaning now.
- implemented asynchronous, recursive directory scanning.
- multiselect und patternmatching is now supported via drag&drop, filerequester, commandline and wbstart.
- added some keyboard shortcuts.
- Next and Previous Picture is now implemented.
- BORDERLESS has been renamed to BACKDROP.
- WINSIZEMODE=NORMAL renamed to WINSIZEMODE=DEFAULT, WINOPENMODE=NORMAL renamed to WINOPENMODE=DEFAULT
- PREVIEW und OPAQUESIZING are combined to a new single option: OPAQUE.
- added new options QUICKPALETTE and DITHER.
- TRANSPARENCY, REFRESHDELAY and AUTODITHER have been removed.
- added some menu configurations.

## 0.96n

- MysticView now uses DoPictureMethod()/PICMTHD\_MAPDRAWHANDLE for quick drawing in preview mode and for opaque sizing.
- added tooltype WINSIZEMODE=SMALL, renamed WINSIZEMODE=66PERCENT to WINSIZEMODE=LARGE.

## 0.96m

- fixed a minor pubscreen problem.

## 0.96l

- a logo task is no longer launched when a startup picture is specified.
- minor internal changes

## 0.96k

- since v0.96j, MysticView uses guigfx.library v3 features, but it still opened guigfx.library v1. fixed.
  - minor problems corrected.
  - when a startup picture is specified, the logo task is launched with a lower priority than the load task.
  - added STARTPATH tooltype.
-

## 0.96j

- added RENDERMEM option
- fixed ASL filerequester problems.

## 0.96i

- added cursor and mouse scrolling in DISPLAYMODE=ONEPIXEL.
- window is now WFLG\_ACTIVATE.
- improved refresh mechanism.
- added KEEPIMAGE.

## 0.96h

- added a nicer rendered logo and dropped alpha-channel processing for the logo in TRANSPARENCY mode.
- KEEPASPECT now works in TRANSPARENCY mode on screens with aspects different from 1:1.
- TRANSPARENCY is slightly faster.
- removed NOBACKFILL hook in TRANSPARENCY mode.
- added BGCOLOR option.

## 0.96f

- drastically reduced memory consumption.

## 0.96e

- implemented tooltypes SCREENASPECTX and SCREENASPECTY for correction of distorted screen aspects (e.g. Cybergraphics 640x256, or custom screen modes boosted with MonEd etc)
- since the autodither value cannot be computed for rendering to HAM screen modes, HAM dithering is always enabled with AUTODITHER != 0 and disabled with AUTODITHER=0.
- (finally?) solved all subtask administration problems.
- fixed commandline and wbarg parsing and supplied a proper template.
- MysticView now quits with the ESC key.
- added REQUESTFILE for MysticView to open a filerequester on startup.
- The filerequester now opens asynchronously.
- included Mac's newicon.

## 0.96d

- Fixed a minor problem with MysticView running multiple times on HAM public screens.
- Fixed Division-by-zero problem in MysticView's drawtask (hopefully)
- improved subtask data-share mechanism
- tooltype options are no longer case sensitive.

## 0.96c

- Added tooltype option HAM for MysticView to open a HAM screen in combination with CUSTOMSCREEN.

## 0.96b

- re-implemented transparency mode
  - implemented About requester
  - improved TRANSPARENCY mode: the background is no longer snapped when a REFRESHWINDOW message arrives
-

## 0.96a

- MysticView has been completely restructured in preparation for further enhancements

## 0.95g

- added DirOpus configuration example.
- MysticView has got a menu and a filerequester for loading.
- if CUSTOMSCREEN is specified, the new screen is actually a pubscreen.
- implemented PRECISION tooltype.
- 0.95f was eating its own signals - after 16 refresh signal arrivals, no more subtasks could be created. Fixed.

## 0.95f

- added filename argument and FILENAME tooltype.
- fixed WINOPENMODE

## 0.95e

- MysticView did not work without Cybergraphics. Fixed. Thanks to Plex and New Mode who reported this bug.

## 0.95d

- minor problems fixed.

## 0.95c

- improved speed.
- implemented CUSTOMSCREEN and DEPTH for MysticView to open on a custom screen. These features are preliminary, though.

## 0.95

- implemented more reliable shared-data access for MysticView's subtasks.
- drawtask priority reset to 0.
- removed a lot of bugs from the subtask admin code.
- MysticView does no longer lose memory.

## 0.94

- implemented DISPLAYMODE KEEPASPECT
- supplied a NOBACKFILL hook for the window.
- unallocated pens and undefined areas are no longer visible.
- the redraw task now runs with a priority of -1.
- slightly improved opaque-sizing. the rastered bitmap is precalculated right after loading, when OPAQUESIZING=TRUE and TRANSPARENCY=0
- fixed WINTOP and WINLEFT.

## 0.93

- added asynchronous drawing - leading to much better window handling
- MysticView runs with a priority of 1, its subtasks with a priority of 0
- added tooltype options

## 0.92

- implemented DISPMODE\_ONEPIXEL.
  - heavily trained for stableness.
-

0.91

- memory management improved

0.9

- completely rewritten from the scratch, now using `guigfx.library`. features asynchronous loading, a transparent window, dithering, more elaborated window sizing and opening techniques, different display modes, and much more.

----- cut -----

0.76

- layout improved.
- implemented `ADAPTIVEBORDER`

0.75

- added lots of tooltip options
- fixed many minor problems
- greatly improved some image refresh problems.

\* 0.68

- first public release
- minor changes
- there was a heavy bug in v16.1 and v16.2 of `render.library`. I guess that `MysticView` crashed right at startup if you did NOT use the 68060 version. Sorry. I bumped the required library version to v17 where this bug has been fixed.

0.67

- major rework and clean-up

0.66

- The color allocation strategy has been improved.

0.65

- I couldn't quickly get rid of some heavy bugs I've introduced with v0.64. So I decided to continue work with v0.62 and `render.library` v12.0. Asynchronous loading is no longer implemented. This version seems to work pretty stable.

0.64

- asynchronous loading implemented.

0.63

- About is asynchronous now.
- improved color allocation strategy.
- `MysticView` crashed on 2-color-displays. Fixed.

0.62

- better allocation strategy for critical colors on displays with few sharable pens.
- `Filerequester` implemented.
  - A percentual render progress display and several messages

are displayed in the window's title bar.

- The picture's width is now layouted pixelwise, no longer in multiples of 16 pixels.
- Various enhancements and bugfixes

0.60

- Faster display.
- Several bugs fixed.
- Fixed display problems (window borders and flicker...).
- Pooled memory management implemented.
- Window is SIMPLE\_REFRESH now.
- Requires less memory.
- Nicier logo.
- Menu implemented for "About" requester and "Quit". Other menu functions are not yet implemented.

0.53

- faster window refresh.
- Requires less memory

0.52

- now takes care of aspect ratios.  
This applies to both the image and the screen mode.
- nicer logo

0.51

- MysticView lost memory. Fixed.
- Sped-up window refresh after resizing.
- uses PRECISION\_IMAGE instead of PRECISION\_EXACT.

0.50

- initial version

## 1.10 AUTOSAVESETTINGS

AUTOSAVESETTINGS

type: switch

automatically save settings at exit.

## 1.11 BACKDROP

BACKDROP

type: switch

open MysticView on a backdrop borderless window.

## 1.12 BGCOLOR

---

BGCOLOR

type: string representing a hexadecimal number

the background's RGB value.

default: 000849

## 1.13 DEFAULT

DEFAULT

type: switch

specify this option for MysticView to use its internal default settings. no settings will be read from the icon.

this switch is only available when MysticView is started from the command-line.

## 1.14 DEPTH

DEPTH

type: numeric

preferred depth for custom screens.  
valid: 1-8, 15, 16, 24.

default: the Workbench's depth.

see also  
~~SCROPENMODE~~

## 1.15 DESTPATH

DESTPATH0 ... DESTPATH9

type: string

10 configurable destination paths for quick copying/moving.

defaults: none

## 1.16 DISPLAYMODE

---

DISPLAYMODE

type: keyword

image size and aspect handling mode

KEEPASPECT

keep the aspect ratios of both the screen and the image.  
this mode guarantees that the image is always fully  
visible.

KEEPASPECT2

keep the aspect ratios of both the screen and the image.  
this mode guarantees that either the full width or full  
height of the image is completely visible.

ONEPIXEL

do not care about the image aspect, and display all pixels  
that appear in the image. the screen's aspect ratio will  
be considered.

IGNOREASPECT

ignore all aspect ratios. represent each pixel in the  
image by one pixel on the screen.

FIT

do not care about aspects and zoom at all. the image will  
always fit exactly to the window's dimensions.

default: KEEPASPECT

## 1.17 DITHER

DITHERING

type: keyword

dither activation mode

OFF

never use dithering

ON

dither images on screens with 256 colors (or less),  
and on HAM screen modes.

AUTO

automatically activate dithering when the image would  
lose too much color information.

default: AUTO

see also

~~DITHERMODE~~

## 1.18 HAM

HAM

type: switch

use this tooltype in combination with SCROPENMODE set to CUSTOM for MysticView to open a HAM screen. Don't forget to specify DEPTH=6 respectively DEPTH=8.

see also

~~SCROPENMODE~~

~~DEPTH~~~~~

## 1.19 KEEPIMAGE

KEEPIMAGE

type: switch

keep the current image while another is loaded.

## 1.20 LISTFILE

LISTFILE

type: string

specify the filename for a listfile. this listfile may contain any number of pictures, paths and patterns.

this argument is only available when MysticView is started from the commandline.

## 1.21 LISTPATH

LISTPATH

type: string

start path for the LISTFILE filerequester.

default: none

## 1.22 MODEID

MODEID

type: string representing a hexadecimal number

desired screenmode ID for a custom screen.

default: none.

## 1.23 NORECURSE

NORECURSE

type: switch

this option turns off recursive directory scanning.

## 1.24 PRECISION

PRECISION

type: keyword

color allocation precision for non-truecolor screens.

note: low precisions suffice in most cases.

GUI

lowest precision - extremely nice towards other applications.

ICON

low precision - very nice towards other applications.

IMAGE

standard precision for images.

EXACT

highest precision. this mode is very unfriendly towards other applications! only use it on a separate screen.

default: IMAGE

## 1.25 PREVIEWMODE

PREVIEWMODE

type: keyword

type of window refresh while scaling and scrolling

---

NONE

no realtime update takes place.

GRID

a 10x10 grid is drawn instead of the picture.

OPAQUE

this option enables realtime scaling and scrolling with the full window contents. this option increases memory consumption dramatically and should be enabled only on systems with a fast CPU.

default: NONE

## 1.26 PUBSCREEN

PUBSCREEN

type: string

with this keyword you can specify a public screen's name for MysticView to open its window upon.

default: default public screen

see also

~~SCROPENMODE~~

## 1.27 QUICKPALETTE

QUICKPALETTE

type: switch

this option will cause MysticView to use a static palette. this mode is faster, but the display quality will suffer.

note: meaningless for truecolor screens.

## 1.28 REFRESHMODE

REFRESHMODE

type: keyword

window refresh mode.

SIMPLE

the window contents will have to be redrawn by MysticView when parts of it are getting exposed. this mode saves some

memory.

SMART

the window contents are maintained by the operating system  
- at the cost of a higher memory usage.

default: SMART

## 1.29 RENDERMEM

RENDERMEM

this flag indicates low or high memory consumption when  
truecolor data is rendered to 8 bit or less, or HAM.

LOW

lower memory consumption and faster,  
at the cost of accuracy.

HIGH

higher memory consumption and better quality,  
at the cost of speed.

default: LOW

## 1.30 REQUESTFILE

REQUESTFILE

type: switch

open a file requester at startup. it is also considered  
when a list of pictures has been processed and NOLOOP  
is specified.

see also

~~NOLOOP~~

## 1.31 SCREENASPECTX SCREENASPECTY

SCREENASPECTX, SCREENASPECTY

type: numeric

override the screen's aspect ratio. use this feature if your  
screenmode does not provide proper aspect ratios, e.g.  
CybergraphX 640 $\times$ 256 or screen modes boosted with MonEd etc.

default: the screen's aspects

---

## 1.32 SCREENWIDTH SCREENHEIGHT

SCRWIDTH, SCRHEIGHT

type: numeric

desired width and height for a custom screen (in pixels).

default: none

## 1.33 SLIDEDELAY

SLIDEDELAY

type: numeric

number of seconds until the next picture is displayed in slideshow mode.

default: 10

## 1.34 SLIDESHOW

SLIDESHOW

type: switch

activate the slideshow mode.

## 1.35 STARTPATH

STARTPATH

type: string

specifies the start path for MysticView's file requester.

default: the path where MysticView was started

## 1.36 WINLEFT WINTOP

WINLEFT, WINTOP

type: numeric

upper left position for the window on the screen. these coordinates are only considered when WINOPENMODE is set

to DEFAULT.

default: system's default window position

## 1.37 WINOPENMODE

WINOPENMODE

type: keyword

specify window location mode

DEFAULT

open the window at its default location, or as defined throughout WINLEFT and WINTOP.

CENTER

open the window in the middle of the visible part of the screen.

MOUSE

open the window centered under the mouse pointer.

default: CENTER

## 1.38 WINSIZEMODE

WINSIZEMODE

specify window size mode

DEFAULT

open the window with default dimensions, or as defined throughout WINWIDTH and WINHEIGHT.

FULL

open the window with the screen's full size.

VISIBLE

open the window with the screen's visible size.  
this mode handles oversized screens, and in addition to that, it does not cover the screen's title bar.

LARGE

open a 'large' window - i.e. with 2/3 of the screen's visible dimensions

HALF

open the window with half the screen's visible dimensions

SMALL

open a 'small' window - i.e. with 1/3 of the screen's

---

visible dimensions

default: LARGE

## 1.39 WINWIDTH WINHEIGHT

WINWIDTH, WINHEIGHT

type: numeric

window's width and height. this size is only considered when WINSIZEMODE is set to DEFAULT.

default: the system's default window size

## 1.40 display pictures

displaying pictures

```
~~command~line~~~
~~listfile~~~~~
~~icon~start~~~~
~~drag'n'drop~~~~
~~file~requester~~
```

note:

files not being recognized as pictures are simply ignored and won't cause annoying requesters. you may scan whole directories (or devices) for pictures. there is a drawback, though: image recognition via datatypes is quite slow - this depends on the datatypes installed to your system. MysticView can be aborted at any time, but sometimes it might appear as if it would have deadlocked. don't worry.

see also:

```
~~known~problems~~
```

## 1.41 specify pictures via command line

specifying pictures via commandline

specify any number of pictures, drawers and filename patterns. examples:

```
MysticView pix:
MysticView pix:JPEG/Colors.jpg
MysticView pix:JPEG/Colors.jpg pix:#?.ham?
MysticView sys:prefs/patt#?
MysticView sys:prefs/patt#?/#?.gif
```

```
MysticView pix:~(#?.gif)
```

```
see also  
~~configuration~~  
~~examples~~~~~
```

## 1.42 specify pictures via listfile

specifying pictures via listfile

specify a list file with the LISTFILE argument. a picture list file may contain any number of filenames, paths, and patterns.

for instance

```
MysticView LISTFILE work:pets
```

with work:pets a text file looking like this:

```
pix:animals/pets/  
pix:cat#?  
sys:prefs/patterns/katzen.bmp  
pix:misc/doggy1.ham8  
pix:misc/doggy2.ham8  
work:clipart/kitten(?!%)?.#?  
pix:jpeg/#?(cat|dog|bird)#?
```

## 1.43 specify pictures via drag'n'drop

specifying pictures via drag'n'drop

drag single or groups of pictures, drawers or devices on MysticView's window.

## 1.44 specify pictures via iconstart

specifying pictures via icon start

activate any number of pictures, drawers and devices on your Workbench, hold down the shift key and double-click on MysticView.

or activate the icon of MysticView, then activate pictures, drawers and devices while holding the shift key. double click on the last icon.

---

## 1.45 specify pictures via file requester

specifying pictures via filerequester

select "Open Picture(s)..." from the project menu and select one or multiple files or drawers.

select "Open List File..." from the project menu and select a list file.

a list file is a plain text file that might look like this:

```
pix:animals/pets/  
pix:cat#?  
sys:prefs/patterns/katzen.bmp  
pix:misc/doggy1.ham8  
pix:misc/doggy2.ham8  
work:clipart/kitten(?|%)?.#?  
pix:jpeg/#?(cat|dog|bird)#?
```

## 1.46 disclaimer

disclaimer

this software is provided "as-is" without any warranty, either expressed or implied. the author accepts no responsibility for damage and/or loss of data/equipment resulting from the use of this software.

## 1.47 submissions

submissions

submit bug reports, ideas, concepts, suggestions, and feedback of any kind. don't hesitate to drop me some lines, especially when you've got some ideas for improvements, or you encounter bugs or you think that MysticView lacks a feature.

## 1.48 shareware

shareware

this software is shareware. if you like it and use it frequently, please send me an equivalent to US \$10 or DM 15.

include cash, international money order or cheque. coins in currencies different from german marks cannot be accepted. cheques are only accepted from within germany. make international money orders and cheques payable to timm s.

---

mueller.

currently, MysticView is only slightly limited for non-registered users:

- sometimes a picture contains a small registration reminder.
- the NewIcon thumbnail feature does not work.

thank you very much for your support.

## 1.49 author

author

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support site for  
MysticView, guigfx.library and render.library:  
<http://195.185.28.90/binarydistillery/>

the electronic knights homepage:  
<http://195.185.28.90/>

## 1.50 copyright

copyright

the entire MysticView software package is  
© copyright by TEK neoscientists.

## 1.51 distribution

distribution

this software may be redistributed freely, as long as there are no changes made to any part of this software or documentation. no parts of this package may be omitted or altered by any means except for archiving.

neither fees may be charged nor profits may be made by distributing this piece of software without the author's written permission. this includes fees for costs of physical media. explicitly excluded from this limitation are legal distributors of the aminet software archive.

---

## 1.52 acknowledgements

acknowledgements

i can't send personal regards and thanks to all the people who contributed to MysticView and the libraries it is based upon. i would like to name only two -

- Frank 'Copper' Pagels - personal friend, author of ArtPRO, initiator and main betatester of render.library
- Markus Hillenbrand - author of Gallery, and main betatester of guigfx.library.

greetings (not necessarily related to this project)...

Buggs, DaMicha, Eagleeye, Mudu, Stefan Sommerfeld, Dante/Oxyron, Azure/Artwork, ZZA (brute force betatesting!), Mac (thanks for the newicon), and the TEK posse!

## 1.53 known problems

known problems

- if you are using the Picasso96 picture.datatype, you must upgrade to at least v43.26. otherwise, MysticView will crash very badly when loading truecolor pictures.
  - the AKJFIF datatype (tested with v43.180) returns incorrect aspect ratios on some machines. do not use it. MysticView depends on correct aspect ratios delivered by the datatype.
  - MCP screen cycling sometimes causes nonsense mouse movement events. when MysticView is running on an own screen, and you enter that screen with a MCP screencycle action, MysticView sometimes keeps on updating the display. this problem seems to be caused by MCP. problems with PPaint haven been reported, too.
  - MysticView isn't very well designed for access to slow media. devices can be accessed by a virtually unlimited number of tasks - mainly for scanning, loading, and background loading (besides copying, moving and deleting). on slow media, avoid the option SORTMODE=NONE. this will improve overall performance, since loading won't start before all directories have been scanned and all files have been recognized.
  - the way MysticView scrolls a picture (using the arrow keys) might appear strange at first sight. the scroll position does not depend on a pixel step rate, but rather on an imaginary cursor. thus, scrolling does not move the picture, instead it moves the cursor on the picture, and the visible area follows that cursor. use the SHOWCURSOR option to make the cursor visible.
-

see also  
~~insufficiencies~~~  
~~getting~datatypes~~

## 1.54 PRELOAD

PRELOAD

type: switch

toggle background preloading of the next picture.

## 1.55 DITHERMODE

DITHERMODE

type: keyword

set dithermode. available are

EDD

use EDD dithering (slightly faster)

FS

use Floyd-Steinberg dithering (slightly better)

default: EDD

see also:

~~DITHERING~~

## 1.56 STARTPIC

STARTPIC

type: string

this setting is for those who do not like to be stared at by MysticView's ugly logo. specify a path/filename to a valid picture to be used as MysticView's startup picture.

default: none (internal startup picture will be used)

## 1.57 PRESETPATH

PRESETPATH

type: string

preferred path to MysticView's presets.

default: SYS:Prefs/Presets

## 1.58 PRESETFILE

PRESETFILE

type: string

settings file. this keyword is only available in the command line.

default: none (settings are read from MysticView's icon)

## 1.59 NOLOOP

NOLOOP

type: switch

specify this option if you do not want slideshows to loop eternally.

## 1.60 AUTOQUIT

AUTOQUIT

type: switch

with this keyword specified, MysticView quits when the last picture of a list has been displayed.

see also  
~~AUTOHIDE~~

## 1.61 SORTMODE

SORTMODE

type: keyword

this setting specifies the sort order for a series of pictures.

---

NONE

no sorting takes place. the images appear in the sequence they were found on the disk. this mode has the advantage that loading starts immediately after the first picture has been encountered. further scanning takes place in the background.

RANDOM

random order. all filenames, patterns or directories will be scanned before MysticView starts loading the first image.

ALPHA

alphabetical order (a-z). all filenames, patterns or directories will be scanned before MysticView starts loading the first image.

default: NONE

see also

~~known~problems

## 1.62 ZOOMSTEP

ZOOMSTEP

type: string representing a number

this number defines the desired zoomfactor step.  
valid range: 0.01 ... 2.

default: 0.1

## 1.63 PRESET0...9

PRESET0 ... PRESET9

type: string

10 configurable preset files to be quickly accessed with  
CTRL F1 ... CTRL F10.

defaults: none

## 1.64 SHOWCURSOR

SHOWCURSOR

type: switch

this setting will activate a tiny crosshair on the picture,

---

indicating the current cursor position. scrolling will move the cursor, and zooming will go to that destination.

## 1.65 Examples

examples

1. open a fullscreen borderless display on a 640x480x24 screen and present a random slideshow of the directory pix:gif.

```
MysticView pix:gif scropenmode=custom scrwidth=640
             scrheight=480 depth=24 winsizemode=full
             backdrop sortmode=random slideshow
             slidedelay=5
```

2. open a small window over the mouse pointer, with opaque scaling and fastest rendering possible, open a filerequester, and quit after all files have been viewed.

```
MysticView winsizemode=small winopenmode=mouse
             quickpalette rendermem=low previewmode=opaque
             requestfile noloop autoquit
```

## 1.66 SCROPENMODE

SCROPENMODE

type: keyword

determines the way MysticView tries to use or open a screen.

NONE

use the default public screen. typically, this will be the Workbench. note: use a 'default pubscreen' commodity if you want to make the frontmost pubscreen the default one.

PUBLIC

use a public screen specified throughout the PUBSCREEN setting. if the specified public screen cannot be found, MysticView falls back to the default pubscreen.

CUSTOM

try to open a custom screen specified throughout the settings MODEID, SCRWIDTH, SCRHEIGHT, DEPTH, and HAM.

default: PUBLIC

see also:

~~PUBSCREEN~~

~~MODEID~~~~~

```
~~SCRWIDTH~~~  
~~SCRHEIGHT~~  
~~DEPTH~~~~~  
~~HAM~~~~~
```

## 1.67 CX\_PRIORITY

CX\_PRIORITY

type: numeric

MysticView's commodity priority, i.e. the hotkey-handler's priority over other commodities that may have installed the same hotkey by accident.

default: 0

## 1.68 CX\_POPKEY

CX\_POPKEY

type: string

MysticView's commodity hotkey sequence. when MysticView is in hidden state, this key sequence will reactivate it.

consult your manuals on how to express these key sequences.

default: control m

## 1.69 CX\_POPUP

CX\_POPUP

type: keyword

YES

open MysticView's window at startup.

NO

start MysticView in hidden state.

default: YES

see also

~~ICONIFY~~

---

## 1.70 AUTOHIDE

AUTOHIDE

type: switch

with this keyword specified, MysticView iconifies when the last picture of a list has been displayed.

see also  
~~AUTOQUIT~~

## 1.71 ROTATESTEP

ROTATESTEP

type: numeric

this number defines the desired rotation step in degrees.  
valid range: 1 ... 180.

default: 45

## 1.72 DEFICON

DEFICON

type: string

filename of an icon that will be used as a template for newicon thumbnails.

default: default project newicon

## 1.73 CONFIRM

CONFIRM

type: keyword

specify confirmation level for dangerous operations.  
currently defined:

ALWAYS  
always open an 'are you sure' requester for dangerous operations.

NEVER

---

never open an 'are you sure' requester for dangerous operations.

default: ALWAYS

## 1.74 HIDEWITHPICTURE

HIDEWITHPICTURE

type: switch

with this keyword specified, MysticView keeps the current image when it is getting iconified. otherwise, the current image will have to be reloaded when MysticView is getting uniconified.

## 1.75 ICONIFY

ICONIFY

type: keyword

set iconification mode. currently defined are:

NO

do not iconify MysticView, and quit instead of hide.  
(it is still possible to start MysticView in hidden state)

APPICON

leave out an appicon on the workbench. double-click on that appicon to make MysticView visible.

APPITEM

append an entry to the workbench's tool menu. select this item in order to make MysticView visible.

INVISIBLE

hide MysticView invisibly.

default: APPICON

see also

~~CX\_POPUP~~

## 1.76 getting datatypes

getting datatypes

MysticView depends on picture datatypes being installed to your system. for proper results, your system should be supplied with either of the available v43 picture datatypes. only v43 datatypes

---

allow truecolor pictures to be loaded and displayed in full color resolution.

- if you are using the CybergraphX graphics card emulation, install the PictDT43-761.lha distribution. it is available on aminet.
- if you are using the Picasso96 graphics card emulation, you've probably installed the supplied v43 picture datatype already. availability: Picasso96.lha (aminet)
- if you are neither using CybergraphX nor Picasso96, use the Picasso96 v43 picture datatype. availability: Picasso96.lha (aminet)

picture datatype subclasses have to support the v43 features as well. the following list of datatypes gives a short summary of my personal favourites. it does in no way claim to be complete.

BMP (v40.8) by Gunther Nikl  
the version number does not suggest it, but it supports v43 features as well. availability: BMPdt.lha (aminet)

ILBM (v44) by S. Rupprecht  
fast and reliable, handles HAM and EHB correctly, but does not handle aspect ratios.  
availability: ilbmdt44.lha (aminet)

ILBM (v43) by M. Scheler  
fast and reliable. handles aspect ratios. does not handle HAM8 and EHB correctly, problems might occur on ECS machines.  
availability: PictDT43-761.lha (aminet)

JFIF (v43.100) by H. Raaf of ProDev  
fast and reliable v43 JPEG datatype - supports progressive JPEG images and is configurable.  
availability: ProDev\_jfifdt.lha (aminet)

JFIF (v43.10) by M. Scheler  
does not support progressive JPEG images.  
availability: PictDT43-761.lha (aminet)

PNG (v43.3) by Cloanto  
availability: PNG\_dt.lha (aminet)

TARGA (v43.1) by Arthur Pijpers  
availability: targatype.lha (aminet)

TIFF (v43.2) by Wynants Bert  
availability: TIFFDT.lha (aminet)

most other file formats do not support truecolor (such as GIF), v43 functionality is not required for them.

---