

ShowAmiga96_GB

COLLABORATORS

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Chapter 1

ShowAmiga96_GB

1.1 ShowAmiga96 - Contents

ShowAmiga96 Version 2.3b (02.02.2000)

=====

I know there are lots of other bootpic-viewers out there, but this isn't yet another one - it's different.

- o CHOOSY
ShowAmiga96 only runs on Amigas, which have installed the Picasso96-GFX-board-software
- o FAST
The pictures are saved as raw-data by the prefs-program. Therefore they needn't be uncompressed or decoded, but can be loaded into gfx-board-memory directly.
- o RESOURCESAVING
After loading, ShowAmiga96 only needs up to 30K Amiga-memory. This is possible because the picture only exists in gfx-board-memory and isn't buffered. So fragmentation of Amiga-memory is minimized.
- o EXPANDABLE
If you like nice fades and wipes, you can use the included fader-modules, you can install third-party modules or you even could write your own and publish them.

New in v2.3b

New in v2.3a

New in v2.3

Copyright

Requirements

Installation

Prefs-Program

Problems?

Address and Thanks

Module development

1.2 ShowAmiga96 - New in v2.3b

New in v2.3b

As usual I had no time to adapt the guide to the new version.

New features:

- The prefs program offers two new options on the login page. Now you can choose to clear the user name field in the login dialog or to use the last users name as default (like in previous versions). The other option automates the login process after a reset. It will only ask you for your user name and password after you turned on the amiga. You can force the login program to show the dialog if you hit the DEL or BACKSPACE key after a reset.

Bug fixes:

- If you use the MultiUserFileSystem, the login program now sets the HOME environment variable, changes to the home dir and executes the .profile script.

I don't know if it is necessary, but I set up a mailing list to discuss SA96 problems and to answer questions.

1.3 ShowAmiga96 - New in v2.3a

New in v2.3a

Unfortunately I had (once again) no time to adapt the guide to the new version.

New features:

- ShowAmiga96 now installs Martin Gierichs HappyENV-Handler to avoid the constant ENV problems of the previous 2.x versions.
If you want to edit the startup-sequence yourself, learn about it here.
- The progressbar saves different settings for every image.
- The progressbar offers a color gradient for hi/truecolor images.
(prefs->action modules->progressbar_prefs->colors&text->colors)
- A command (bin/PrintProgressText) to change the infotext of the progressbar while executing the startup-sequence.
e.g. sys:utilities/showamiga96/bin/PrintProgressText "Loading Workbench..."
- Two commands (bin/Progressbar_Stop and bin/Progressbar_Go) to pause the progressbar
(e.g. if you have a section in your startup-sequence which takes an undefined amount of time like establishing a network connection)
- New Rect fadein module.
- Imagelist in main prefs now supports multiselect for delete, convert_image_format and changes of effect selection (!)
- Routine to convert existing images into new format. This is especially useful if you want to adapt all your wb-copy-images to a new Workbench resolution
(prefs->images->convert_image_format)
- Possibility to interrupt the startup-sequence by pressing the left mousebutton while SA96 is starting. SA96 will open the Workbench using your default screenmode (not PAL!) and bring up a shell.
After closing the shell the startup continues.
(this is mainly for people with VGA monitor but without scandoubler if they need to debug their system)

Bug fixes:

- The setup will no longer overwrite your settings if you changed the volumename of the installation drive since the last update.

I don't know if it is necessary, but I set up a mailing list to discuss SA96 problems and to answer questions.

1.4 ShowAmiga96 - New in v2.3

New in v2.3

Unfortunately I had no time to completely adapt the guide to the new version. So here is a list of the most important innovations.

Action modules

=====

In contrast to fadein/over modules, which are shown for a relative short time only, action modules are running during the whole boot process. At the moment there are three different action modules, which are listed on the "Action modules"-page in the prefs program. Now I will give you a short description of every module and its properties. By the way you now can launch the module prefs by double clicking on its name in the "Effects"-register on the "Images"-page. By using this feature testing different module settings is much easier than clicking through the main pages.

WindowsCycle

This module shows the known colorcycle of the Windows(TM) bootlogo at the bottom of the screen. Properties like speed, number of segments and height of the bar can be adjusted in the prefs. You can also define two color values. Between these values the spread is calculated. Please notice, that bootpics with 8 bit colordepth must provide the desired color values in the palette of the original picture. On these screens SA96 has to pick existing pens and it doesn't look very nice, if they are not fitting.

Progressbar

With this module you can display a progressbar on the bootscreen. The current position of the bar is calculated by the elapsed and the total time of the boot process. You can enter this boottime in the progressbar prefs by hand, but ShowAmiga96 will adjust this value to the really used time steadily. Other adjustable properties are the placement of the bar, the graphical appearance of the bar and of the infotext and the color selection. On 8 bit bootscreens you have to guarantee, that there is at least one pen with a fitting color value.

Anim

This module offers the most extensive design possibilities, because it enables you to show an unlimited number of browser transfer anims on your bootpic. Every bootpic has its own collection of anims, because they must be saved in the same raw data format like the bootpic. After you have started the anim prefs program and selected a bootpic from the list, you can press "Add..." to select a transfer anim from a file requester. ShowAmiga96 accepts the formats of AWeb, IBrowse and Voyager anims, but the icons must be in the same directory, because their tooltypes contain the format information. When using anims on 8 bit bootpics you have to make sure, that the original boot picture and the anim are saved with the same palette. ShowAmiga96 does NOT remap the anim! After the anim has been added, you can change some properties: speed and placement should be clear, start-/end- and pauseeffects are subject of

testing. About the "transparency" feature you should know, that ShowAmiga96 recognizes the transparent background by pen number 0 on 8 bit screens and by color black RGB(0,0,0) on hi/truecolor screens.

Events

=====

You can find the event prefs on the "Events"-page in the ShowAmiga96 prefs program. They can be used to execute shell commands at specific moments during the boot process.

E.g. you can enter for the event "Workbench is visible" the command "run >nil: dh0:c/play16 dh2:samples/winstart.wav" to play the Windows(TM) startsound when the system is ready.

There are no limitations, but you should remember to put a "run >nil: " in front of your command. Otherwise the boot process will be paused until the execution of the command has been completed.

Login

=====

Mainly this feature is interesting for users of the MultiUserFileSystem by Geert Uytterhoeven, because it enables you to move the username and password request onto the bootscreen. But also on "normal" systems you can use this function. In this case, you can deposit username and password with the ShowAmiga96 prefs program on page "Login". Here you can also change the graphical appearance of the login requester.

The installation of the login program is mainly the same for MUFS- and normal users. You just have to add the following command to the end of your user-startup: "<path>/ShowAmiga96/bin/ShowAmiga96_Login". MUFS users additionally have to remove (or comment out) their old "logout global" command.

If an error prevents the requester from opening on the bootscreen, the ShowAmiga96_Login program falls back to the standard shell input for MUFS-users. For normal users the request is ignored in this case and the boot process isn't interrupted.

1.5 ShowAmiga96 - Copyright

Copyright

This software is subject to the "Standard Amiga FD-Software Copyright Note" It is MAILWARE as defined in paragraph 4b.
For more information please read AFD-COPYRIGHT (Version 1 or higher).

I don't remember where I found the nice Amiga-logo, but I think it's PD...

1.6 ShowAmiga96 - MagicUserInterface

This application uses

MUI - MagicUserInterface

(c) Copyright 1993/94 by Stefan Stuntz

MUI is a system to generate and maintain graphical user interfaces. With the aid of a preferences program, the user of an application has the ability to customize the outfit according to his personal taste.

MUI is distributed as shareware. To obtain a complete package containing lots of examples and more information about registration please look for a file called "muiXXusr.lha" (XX means the latest version number) on your local bulletin boards or on public domain disks.

If you want to register directly, feel free to send

DM 30.- or US\$ 20.-

to

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1.7 ShowAmiga96 - Requirements

Requirements

- o any Amiga
- o OS 3.0
- o Graphicsboard with Picasso96-software

I you found bugs, please contact me.

1.8 ShowAmiga96 - Installation

Installation

The installation is Installer-driven.

Most of the ShowAmiga96 V2.x components are collected in an own directory. Only the prefs-program (ShowAmiga96_Prefs) should be copied to "Prefs" and

the closer (ShowAmiga96_Close) must be copied to "WBstartup".

ShowAmiga96 is launched directly after SetPatch in the Startup-Sequence. Inserting the call will be done by the Installer automatically. If you want to skip the automatical modification, simply change your Startup-Sequence like this.

```
...
...
C:SetPatch

;BEGIN ShowAmiga96
C:MountENV
Sys:Utilities/ShowAmiga96/Bin/ShowAmiga96_Rev239C18
;END ShowAmiga96

...
...
```

Find these lines and place a ";" in front of them so that they are ignored:

```
C:Copy >NIL: ENVARC: RAM:ENV ALL NOREQ
Assign >NIL: ENV: RAM:ENV
```

The next step will be the selection of your Picasso96-gfxboard-driver from "DEVS:Monitors".

ShowAmiga96 has to start the P96-driver itself to show the bootpic as early as possible. The other drivers will be loaded as usual a bit later in the Startup-Sequence.

After a successful installation the Prefs-program will be launched. Here you can Test if everything works right. Otherwise have a look at the error descriptions.

1.9 ShowAmiga96 - Prefs-program

Prefs-program

The Prefs-program is based on the MagicUserInterface by Stefan Stunz and consists of the following pages:

Informations	- general informations about the program
Options	- general settings and close conditions
Images	- administration of bootpics
Fadein-modules	- administration of fadein effects
Fadeover-modules	- administration of fadeover effects

At the bottom of the prefswindow you can find these buttons:

Save

Saves all settings in the prefs files

Test

Saves all changed settings and launches the ShowAmiga96-mainprogram. After the bootpic has been faded in, the program waits for a mouseclick. Then it jumps into the waitloop where it checks if all close conditions (except WBstartup) are true.

If all are true, the test will be over. Otherwise the program will count down the max wait if conditions don't come true before it continues. You can quit the test manually by pressing ESC.

Quit

Quits the Prefs-program. This doesn't save the prefs automatically.

1.10 ShowAmiga96 - Prefs-Programm - Informations

Prefs-Programm - Informations

This page only shows informations about

the copyright

the author-address

.....
back to: Prefs-program

1.11 ShowAmiga96 - Monitordrivera

Prefs-programm - Monitordrivers

These are possible names for Picasso96-monitordrivers:

CVision3D

Domino

Graffity

Inferno

Merlin

oMniBus

PicassoII

PicassoIV
Piccolo
PiccoloSD64
Pixel64
RetinaBLT
Spectrum
uaegfx

1.12 ShowAmiga96 - Prefs-program - general settings

Prefs-program - general settings

Monitordriver

The string contains the path- and filename of your P96-monitordriver (e.g. DEVS:Monitors/PicassoIV). Normally it will be defined during the installation, but it can be changed here.

Monitordelay

If your monitor needs some time to synchronize a new screenmode, you can define a delay [1/50 seconds] to wait until the fadein starts.

FastLoad

ShowAmiga96 is able to load the imagedata directly into the gfx-board-memory. I call this fastload.

If you use this feature with 16/24bit images, you will be a witness of the load-process (fadein-modules can't be selected)

If you encounter problems (like destroyed screen-contents) you should disable this feature.

Startmode

This cycle-gadget defines, how long execution of the "Startup-Sequence" will be interrupted after starting ShowAmiga96.

"complete synchronous" Waits until the bootpic has been loaded and continues when the execution of the fadein-module has been completed.

"fadein asynchronous" Only waits until the bootpic has been loaded. The fadein-module will run parallel to the remaining boot-process.

"complete asynchronous" There will be no interruption. Loading and fading will run completely parallel. Only use this if the have the Workbench and ShowAmiga96 on different harddisks.

MaxRead

This value tells ShowAmiga96 how many bytes it can load at once. This may depend on your filesystem. 4.000.000 would be optimal, 30.000 should work on any system.

Workbenchname

This string contains the name of your wb(-replacement)-screen. The close condition check will be done on this screen. The name of the standard Workbench is "Workbench".

Monitordriverinfo

Displays informations about the selected monitordriver.

Workbenchinfo

Displays informations about the specified WB-screen.

Close conditions

Here you can define when ShowAmiga96 should consider the boot-process as finished and when to start the fadeover-module.

.....

back to: Prefs-program

1.13 ShowAmiga96 - Prefs-program - close conditions

Prefs-program - close conditions

ShowAmiga96 can wait for 3 kinds of events until it starts the fadeout-module. The following conditions can be defined on the registerpages.

WaitWindow - wait for a window to open

WBstartup - wait for the start of ShowAmiga96_Close

Pixelcolor - wait for the change of a pixel

Delay - additional delay

If you activate multiple close conditions, ShowAmiga96 will wait until ALL conditions are true.

max wait if conditions don't come true

If you made a mistake when defining the conditions or if an error occurred during the boot-process, so that the conditions won't come true, ShowAmiga96 would wait forever.

To avoid this you can define a time [seconds] after that the fadeover will be started without close conditions.

The countdown always starts, after ShowAmiga96 has been launched in the startup-sequence.

HINT: If you want to quit ShowAmiga96 manually, pressing ESC will set the max wait time to zero.

.....

back to: Prefs-program - Options

1.14 ShowAmiga96 - Prefs-program - close conditions - WaitWindow

Prefs-program - close conditions - WaitWindow

active

Will wait until a window appeared at the specified position.
(e.g. a Toolmanager dock)

X-Pos

Horizontal position of the window

Y-Pos

Vertical position of the window

The list at the right border shows all windows of the specified Workbench-screen. A doubleclick on an entry will copy the position into the textfields.

.....

back to: Prefs-program - Options

Prefs-program - close conditions

1.15 ShowAmiga96 - Prefs-program - close conditions - WBstartup

Prefs-program - close conditions - WBstartup

aktive

Will wait until the program "ShowAmiga96_Close" has been launched.

This can be done in the WBstartup-drawer (default) or you can call it from a script.

.....

back to: Prefs-program - Options

Prefs-program - close conditions

1.16 ShowAmiga96 - Prefs-program - close conditions - pixelcolor

Prefs-program - close conditions - pixelcolor

aktive

Will wait until a specified pixel on the WB-screen changed in a specified way.

X-Pos

Horizontal position of the pixel

Y-Pos

Vertical position of the pixel

register/colorvalue

This field contains the current register/colorvalue of the specified pixel. You can't change the value manually. It will be updated automatically when the position-sliders are moved.

wait:

ShowAmiga96 distinguishes between two wait modes:

"while equal" ShowAmiga96 will wait while the specified (saved) color-value and the current are the same.

You can e.g. wait for the appearance of the WB-backdrop picture, if you save the value of the grey Workbench (without backdrop picture).

"until equal" ShowAmiga96 will wait until the specified (saved) color-value and the current are the same.
 You can e.g. wait for the appearance of an appicon if you select a position on the icon (the colorvalue of the iconpixel and of the backdrop picture must be different).

The magnification glass shows the area around the specified pixel position (which is the red dot in the middle)

.....

back to: Prefs-program - Options

Prefs-program - close conditions

1.17 ShowAmiga96 - Prefs-program - close conditions - delay

Prefs-program - close conditions - delay

aktive

If you want to wait a few seconds AFTER all close conditions became true, you can activate this delay.

seconds

This is the additional delay [seconds].

.....

back to: Prefs-program - Options

Prefs-program - close conditions

1.18 ShowAmiga96 - Prefs-program - Images

Prefs-program - Images

Imagelist

This shows a list of all available (already created) ShowAmiga96-bootpics. ShowAmiga96 distinguishes between activated (checked) and deactivated bootpics. Deactivated pics still exist on your disk, but they won't be displayed.

To change the status of an image, just doubleclick the entry.
You can adjust the image order by using drag and drop.

Infos

Displays informations about the image and the used screenmode.

Effects

Displays a list of all available Fadein-- and Fadeover-modules.
There will only appear those modules, which support the RGB-Format of the bootpic ←
and of the specified Workbench screen.
The status (checkmark) can be changed by doubleclicking.
If you selected more than one module for a bootpic, ShowAmiga96 will pick one of these randomly.

In turns/random

ShowAmiga96 is able to show the bootpics in the order they appear in the imagelist or by using a random function.

Delete

Deletes the selected imagefile.

Add

This button is the only possibility to add new bootpics to ShowAmiga96.
You just have to select the new picture in a filerequester. SA96 will load it by using datatypes.
After that the add picture-dialog will appear, where you can change some settings for the new image.

HINT: The startdirectory of the filerequester can be defined in the tooltypes of the prefs-program:
e.g. DEFPICTUREDIRE=dh2:data/pictures

Shuffle

If you selected "in turns", you can use this button to arrange the images in a random order.
You can do this manually by using drag&drop.

Avoid repetitions

Tells ShowAmiga96 to remember the last shown image when using random order. So the random function will not pick the same picture twice.

Test image

With this function you can test a special picture. In contrast to Test, which simulates a normal start from the startup-sequence with automatical image-selection, "Test image" will only show the selected image.

.....

back to: Prefs-program

1.19 ShowAmiga96 - Prefs-program - Fadein-modules

Prefs-program - Fadein-modules

Fadein-modules are used to to render the loaded image on the screen. The can be done in infinte variations, so that ShowAmiga96 V2.x uses the concept of modules, that can be added and removed independently.

Effectlist

The list shows all available (installed) fadein-modules.
A cross in the columns (8/16/24bit) means, that the module can be used with pictures of that depth.
A cross in the "Fastload"-column means, that the module can be used in combination with fastload.

(X = useable)
(- = not available)

Prefs

Many modules have their own settings. This button opens the prefs window for the selected module.
The module prefs are always global, i.e. you can't define different settings for different images.

Delete

This deletes the selected module including all prefs files.

.....

back to: Prefs-programm

1.20 ShowAmiga96 - Prefs-program - Fadeover-modules

Prefs-program - Fadeover-modules

Fadeover-modules are used to produce some nice effects when switching from the bootpic to WB.

Effectlist

The list shows all available (installed) fadeover-modules.
A cross in the columns (8/16/24bit) means, that the module can be used with pictures and wbscreens of that depth.

(X = useable)
(- = not available)

Prefs

Many modules have their own settings. This button opens the prefs window for the selected module.
The module prefs are always global, i.e. you can't define different settings for different images.

Delete

This deletes the selected module including all prefs files.

.....
back to: Prefs-program

1.21 ShowAmiga96 - Prefs-program - Images - Add picture

Prefs-program - Images - Add picture

Picturename

This is the name of the new file, which will be created in the "Images"-directory. The original file won't be touched.

Format

The radio buttons define the depth of the new image. Loading and rendering will be done by datatypes.

The fields "width" and "height" display the dimensions of the original picture and should be a guide when selecting the destination screenmode.

WB-Copy-Mode

If this checkmark is selected, ShowAmiga96 will pick a renderscreen which has the same size and modeid like the workbench screen. Some fadeover modules like Rect and RandomPixel need this property to show their effects without the typical flash when switching screens.

Fitting screenmodes

This list contains all available screenmodes for the selected image depth. A fitting screenmode will be selected automatically. If the original image doesn't fit exactly, it will be scaled.

Use

The image will be rendered, saved and added to the imagelist. Please notice, that all effects of a new picture are deactivated by default.

Show picture

Opens the selected Picasso96 screen and shows the image as it would appear on the bootscreen. A mouseclick brings you back to the prefs program.

Cancel

Leaves the "Add picture" dialog. No image will be created.

.....

back to: Prefs-program - Images

1.22 ShowAmiga96 - Problems?

Boot-problems

SysIHack

You must launch the program in the startup-sequence before ShowAmiga96 is started.

ENV-/ENVARC-problems

ShowAmiga96 and Picasso96 need the ENV: assign to run. Normally, this is created too late in the startup-sequence, so that ShowAmiga96 must set the assign itself.

During the installation ShowAmiga96 saves the path of the current ENVARC:

and assigns ENV: to this path at startup.

If you use multiple ENVARCs and ShowAmiga96 saved a wrong path, you could assign ENV: manually before SA96 is called in the startup-sequence. SA96 doesn't change an existing assign.

Other reasons

If ShowAmiga96 or Picasso96 have problems to launch, please check if DEVS: and LIBS: point to the correct directories. Maybe they are assigned too late, if you use non-standard paths for these directories.

System hangs after fadeout

This could be a conflict between ShowAmiga96 and Toolmanager, which appears when SA96 closes its screen at a certain time. You can avoid this by adding an additional delay or (better) by selecting one of the Toolmanager-Docks as WaitWindow.

Prefs-problems

New pictures aren't shown properly

If new images only consist of a black or gray screen, you probably have a datatype problem. If there is no change after a reboot, you could try to launch the prefs program from a Shell.

If this short help can't solve your problems, don't hesitate to contact me.

1.23 ShowAmiga96 - Module development

Module development

The fadein/-over modules of ShowAmiga96 are simple AmigaDOS-programs, which are launched by the mainprog using SystemTagList().

Fadein modules

While ShowAmiga96 is running, the modules will find some informations about the current image in the file ram:showamiga96.dat. This includes a pointer to the image data and to the already opened P96-screen.

The task of the module is to transfer the image data from the buffer into the P96-bitmap. The easiest way is to copy the single bytes, because the image data has already been converted into the correct format by the prefs program.

Fadeover modules

These modules can also use the file ram:showamiga96.dat to learn about their environment. The minimal task of these modules is to close the bootscreen. If they change the bitmap contents before of if they open an own render screen is up to their choise.

If you are interested in writing your own modules, simply request more detailed developer material.

1.24 ShowAmiga96 - How to subscribe to SA96 mailing list

How to subscribe to SA96 mailing list

There are three ways to join the SA96 mailing list.

1. Just send an empty mail (no subject or body needed) to sa96-subscribe@egroups.com
2. Visit the ShowAmiga96 section on the RelaySoft homepage, enter your e-mail address into the string gadget and click onto join group.

In both cases you will receive a mail from egroups.com which you must reply to confirm your address.

3. Ask me to add you to the list.

Now you can post messages to

sa96@egroups.com

If you need more information about the list, you can visit

<http://www.egroups.com/list/sa96/>

1.25 ShowAmiga96 - Address and Thanks

Address and Thanks

Comments, suggestions, criticism or bugreports are always welcome.

E-Mail:

relaysoft@gmx.de

S-Mail:

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If you have problems or questions with/about ShowAmiga96, don't hesitate to subscribe to the SA96 mailing list and post them there.

sa96@egroups.com

If you are interested in others of my programs, just surf to the RelaySoft-homepage:

<http://www.relaysoft.onlinehome.de>

Thanks go to:

Alfred Sturm	Hermann Fessler	Paul Compton
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Dennis Menzel	Mark Boothroyd	Thomas Frühwacht
Dietrich Wolf	Mark Dekeyser	Thorsten Westroem
Dirk Wenk	Markus	Tim & Lora Kovack
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Frank Seidel	Monique Baerten	Uwe Mann
Gerd Engelmann	Neil Corbett	Volker Bath
Gert Hubers	Nico Lichtenberg	Volker Wilhelm
Gunnar G.	Noe Luis Gonzalez Ronquillo	Walter Kelsch
Guy Castorina	Olaf Koebnik	Warren Katchmar
Helge a Tellinghusen	Olaf Krafft	Wil Haslup
Henrick Cednert Fredriksson	Oskar Duveborn	William W. Toner II
Henry Arlit	Paul	Zygmunt Pasierbek
Bolton Peck	Csaba Kemerl	Daniel Schulz
Fridolin Hille	John Kesner	Petri Ruokolainen
Rolf Meier	Wolfgang Deobald	

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