

# **MonitorKiller**

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COLLABORATORS

	TITLE : MonitorKiller		
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REVISION HISTORY

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## Chapter 1

# MonitorKiller

### 1.1 Contents

Welcome to MonitorKiller !

At first I have to say,if you are an unexperienced user and not technical interested,it's better to go out and not to use this program. If you are using it anyway,your monitor could be,as the name says, KILLED. You have to know about technics of a TV or monitor tube.

Introduction

Attention:READ THIS !  
What is new ?

Disclaimer  
Requirements  
Installation  
Distribution  
Instruction  
Suomalaisille  
Future~plans  
Author  
History  
Thanks

### 1.2 Introduction

This is not a big introduction,I know this because I'm not a good writer.

With this tool you can change your monitor specifications like analogue signal intervals,the number of the Total Color Clocks (in 281.94 ns units on PAL and 279.37 ns units on NTSC computers ), Total Rows,BeamCon0,minimum row or minimum column. You can all things do without pre-calculation now. By using tooltypes for monitordata range,panic button and simulation you have got a very powerful monitor utility now.

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Forget the times when you asked: "How to create 800x600x50 ?" !  
Try this yourself now !

This tool is not a hotkey-commodity, why should it be ? ;)   
It does not use Rexx, because it's too riskful, a monitor is  
not a robust thing, a wrong value could be the death of it.

Yes there exists at least one tool which does the same:  
MonEd by Raul A.Sobon.

What's the difference to this program ?

Firstly I thank Mr.Sobon for it's publication of his C sources.

The very big difference is simply the size of gadgets, use of MUI,  
more values to change, simulation mode, automatical stop option after  
reaching dangerous rates, eactlier calculation of frequencies,  
(I get rid of 280 ns , it is not correct anyway ! ),  
unique panic button and the use of language E.

## 1.3 What is new ?

V1.4 has following new feature:

- extra part for BeamCon0 register, it is not longer a simple gadget :)

## 1.4 Disclaimer

THIS PROGRAM WILL BE PROVIDED ON "AS-IS" BASE.  
I AM NOT LIABLE FOR ANY DAMAGES OR ANY OTHER  
NEGATIVE EFFECTS CAUSED BY USE OR MISUSE OF THIS PROGRAM.  
USE THIS PROGRAM AT YOUR OWN RISK !

## 1.5 Requirements

You need following things:

- o - Kickstart 3.0 or higher
- o - muimaster.library in version 13 or higher, simply go for the newest MUI package
- o - a multisync monitor
- o - many acknowledge and experience with technics of a monitor tube

## 1.6 Installation

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There's a installation script, simply double click on the icon.

More isn't it...

## 1.7 Distribution

This program is FREEWARE. That means you can or have to copy the WHOLE unchanged package without my permission. But all rights are reserved by me. All sells and changes of anything and anywhere in and on package are forbidden.

The whole package content:

ReadMeFirst!	- a short description text
ReadMeFirst!.info	- the icon
MonitorKiller	- the program
MonitorKiller.info	- the icon
MonitorKillerE.guide	- the english instruction text, or even without (E) for finnish users
MonitorKillerE.guide.info	- the icon
MonitorKillerD.guide	- the german instruction text
MonitorKillerD.guide.info	- the icon
MonitorKiller-Install	- the installation script
MonitorKiller-Install.info	- the icon
MonitorKiller.ct	- the language catalog translator template
MonitorKiller.cd	- the language catalog descriptor
deutsch/MonitorKiller.ct	- the german catalog translator script
deutsch/MonitorKiller.catalog	- the german catalog file
suomi/MonitorKiller.ct	- the finnish catalog translator script
suomi/MonitorKiller.catalog	- the finnish catalog file

## 1.8 Instruction

This is a short description of the main window.

The window is splitted into parts.

Upper part:

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Is also splitted into 2 register parts.

The first line shows you the monitor type and the frequencies.

In the parameter part are following gadgets:

Simulation	- you can switch on/off the simulation mode here, try it !
HBlank start	- start of the horizontal blank
HSync start	- start of the horizontal synchronisation
HSync stop	- stop of the horizontal synchronisation
HBlank stop	- stop of the horizontal blank

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Total color clocks - number of total color clocks in 281.94/279.37 ns steps ←  
,  
dependant of you computer

VBlank start	- start of the vertical blank
VSync start	- start of the vertical synchronisation
VSync stop	- stop of the vertical synchronisation
VBlank stop	- stop of the vertical blank
Total rows	- number of total rows

MinRow - minimum start row for displaying, note: you should better stay over \$1d (29) rows.

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MinCol      - minimum start column for displaying
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The BeamCon0 part is splitted into much checkmark gadgets, which are representing every used bit in the BeamCon0 register. But note:BlankEn is official unused. But it is set and I included it. I will not describe what they generally do, because if you do not really know what does every bit, it does not make much sense to describe them. If I would do that, you will get confused. I had to describe the registers in the AGA chips.

Search for AGA documentation at aminet, it is available there. :)

Lower part:

Now follows a big gadget called panic button.

Pressing on it or pressing SPACE will reset all changed datas. It's the so-called panic button. If you get panic, press space or click here, immediately all thing will be resetted.

The lowest row is a row of gadgets for the program navigation.

Save - save the datas into its .info file in DEVS:Monitors, and quit program.

Use - don't save, but use it as test, and quit program

NOTE:After pressing on one of both gadgets you will not be able to reset by using panic button !

Next screen	-	the window will be closed and re-opened on the next screen,	↔
		which could be opened with another monitor type,	
		the window and the program will accommodate to	
		this screen.Changed datas will be resetted before.	
Quit	-	Quit program,and reset all changed datas.	

## Tooltypes

I added this for people who want better and faster results without being afraid of killing their monitor. The program will make an automatical stop when your ranges would be left during "sliding".

MIN HZ,

MAX\_HZ - the vertical frequency range, e.g. 40-100 Hz,  
MIN\_HZ is the smallest hertz value for your

monitor and MAX\_HZ the maximalst  
MIN\_KHZ,  
MAX\_KHZ - the horizontal frequency range,e.g.15-62 Khz,  
MIN\_HZ is the smallest kilohertz value for  
your monitor and MAX\_HZ the maximalst

Some notes:  
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For your own safety you should always give a +1 by minimum values and a  
-1 by maximum values.

If there is a zero or negative value,thes values will be ignored.

## 1.9 Suomalaisille

Annakaa anteeksi !

Currently I'm learning Finnish.  
This is hard in Germany because:

- people think you are crazy
- many people believe that it is a short eccentricity that will end
- there's country-wide no rational dictionary to find
- in germany is really a poor country in things of languages.

I'm currently using "Langenscheidts Praktisches Lehrbuch Finnisch",  
german publication of "Suomen peruskielioppi" by Fred Karlsson,and a,  
do not laugh,30000 words big Finnish dictionary. And after all I must  
thank again the "Finnish embassy in Germany" for their big material packet.

So these are the reasons for no writing a Finnish .guide,  
if you want to make better the Finnish .catalog files,you can do it.  
If you want to translate this .guide into Finnish,do it,but after doing  
that,you should cut out this part of text and send all new translated files  
to me. Thank you and hei,hei !

PS: At this place I want to thank also Fabian Fagerholm,because he was the  
first who sent me a email and he is my first Finnish teacher ! :)

## 1.10 Future plans

I am planning CyberGraphics-Support :)

## 1.11 Author

Send bug-reports,comments,donations or etc. to:

My new main address:

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Matthias Faust  
Max-Planck-Ring 2,H304  
98693 Ilmenau  
Germany

Use this address rarely:

Matthias Faust  
Burgker Strasse 6  
07907 Möschlitz  
Germany

Email:  
faust@rz.tu-ilmenau.de

Internet:  
Coming soon:

<http://www.rz.tu-ilmenau.de/~faust>

But note that this page is still under construction !

- Bug reports should have an exactly description of all things you detected, and with an exactly description of your machine data

## 1.12 History

This program was programmed in E, on A1200, with BlizzardIV-1230/50, 10 MB RAM and a 850 MB Western Digital hard disk.

I used MungWall and Enforcer for debugging.

V1.0	-	first release, no bugs detected.
V1.1	-	a bug in the german catalog has been removed, simulation mode added, panic-button handling bettered, it works now also when the panic-gadget is invisible, better outfit, there is no longer a big row of gadgets, tooltypes added, exactlier calculations of frequencies, resolution view added, beamcon0-, minrow- and mincol- gadgets added, safety stop and a lot more..
V1.2	-	Major bug removed, in <V1.2 I forgot to set an alternative pointer to the string array where English texts are being placed, sorry ! See also thanks. I added also now a safety request in case of saving after real change of one parameter.
V1.3	-	A very major bug removed, the crash reason was now: I searched for locale.library V39 but what happen if V<38 ? IT CRASHED AFTER CLOSING. What happened: I used E, E has got a very powerful feature, Exception-Handlers, but I forgot, if you call an exception you should stop not continue ! Okay, and for OpenLibrary() I called in such way before, now I have changed this method by a simple step-by-step control :) I also changed the reaction system for Panicbutton. It works now. :)

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- The tooltypes reacts now, they did only do it in case of calling directly before :(  
The forbission for PAL and NTSC were entried, it doesn't make any sense to start in PAL or NTSC.  
The buttons should work correctly now, the panic button was my biggest sorrow :) Redisplay after quit works also now, but only after real change.
- 1.4            -        Because of unuseable BeamCon0 slider gadget I had to change the GUI. I created an extra part for BeamCon0.  
No bugs removed.

## 1.13 Thanks

A VERY BIG THANK GOES TO:

Fabian Fagerholm - he was the first and only one who sent me an email,  
he detected the described bug and sent me an exactly  
description, a screenshot, nothing is better than that !

Thank you Fabian !

Anu Seilonen        - he was the next which sent me a report. Thank you !  
That was good, Anu !

To all my colleagues

at #amigager        - for their support to me, oh yes I was getting on their  
nerves, didn't I ? :) Thanks goes to tarbos, for testing  
my program at 2:45 am on Tuesday the 5th November :) ,  
and for his big patience during betatesting.  
cdTV and Tom for their tip not to use more any longer.

Frank Pagels        - for his big patience by much beta testing and tolerating  
much window bodies on his Workbench :)  
Oh yeah I will watch out now for your program "ArtPRO" !

Urban Müller        - For his AmiNet archive, the only way for worldwide  
publishing freeware software for Amiga world,  
only AmiNet will keep the Amiga alive !  
And also thanks for deleting the <V1.3 archives.