

# **SmartWB**

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**COLLABORATORS**

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<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## SmartWB

### 1.1 SmartWB 1.05

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»»» SmartWB v1.05 «««  
"Forget about slow workbench..."

Freeware © 1994-1996 The Beet Research

written by Grzegorz Calkowski

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If you are using / had been using previous versions of SmartWB, please,  
reread

Usage  
section. Also read this  
Warning  
!

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	So...
Notes	Few words more
Author	Who made it?
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## 1.2 Disclaimer

### DISCLAIMER

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The program and information above is provided "as is". No representations or warranties are made with respect to the accuracy, reliability, performance, currentness, or operation of this software and information, and all use is at your own risk. The author doesn't assume any responsibility or liability whatsoever with respect to your use of the program and information.

## 1.3 Copying

### COPYING

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SmartWB is FreeWare. Yes, but you should read  
this  
. It can be freely  
distributed under following conditions:

1. No more than a nominal fee is charged to cover cost of magnetic media.
2. Everything in this distribution must be kept together & unaltered.  
Applies to:
  - SmartWB (the program itself)
  - SmartWB.info
  - SmartWB.guide (AmigaGuide@ doc file)
  - SmartWB.guide.info

SmartWB is Copyright (C) 1994-1996 The Beet Research. All rights reserved.

## 1.4 Author

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AUTHOR

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It's quite a long history behind SmartWB. I know it very widely used, appeared on some magazines cover disks.... I think, it has made your, dear Amiga users, work easier and nicer. It's free, but if you want to make poor Polish student happy - send a small donation. \$5 or so will do! Thank you in advance!

I must say big »thank you« to Gerhard Rabe, which is the only person who did it... shame, only one...

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Check out my other programs on Aminet:

SysPic301.lha	util/boot	55K	8+The best boot-time picture displayer!
SysPic301Pix.lha	util/boot	113K	7+Bonus pictures for SysPic
AutoAssign.lha	util/wb	18K	33+V1.12-Automagically makes assigns & moun
JustPlay.lha	mus/play	20K	33+1.1-Proplayer to use w/icons, src, XPK
iconspyl.lha	util/wb	12K	79+Monitors calls to icon TOOL TYPES (w/ so

## 1.5 Warning

WARNING!

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On Aminet appeared archive named ... dev/src/SmartWB10.lha ! It's author (Timo Nentwig) claims it's a replacement for my program! It's not.

1. He has stolen name of my program. He should not.
2. It's example of a extremely bad written C patch (I have nothing against C - I write in C/C++). It's slow - stupid usage of Forbid/Permit pair. And big - remains in memory as a process, consuming about 4 kilobytes of memory + stack (usually 4kb) = 8kb!!!. Original SmartWB only installs the patch, which takes only 152 bytes!
3. Mr. Nentwig wanted to patch all windows to smart-refresh. See  
Notes

Look at these words:

"(...) So the workbench windows are smart-refreshed. It should also patch every other window (e.g. C's Prefs) opened by OpenWindowTagList() but it

doesn't (...). Don't ask me why, I've no idea :-( Probaly just a minor stupid mistake. This can happen when writing 10 minutes programs (...)"

Any questions?

So, if you use this "replacement" - please delete it and use original SmartWB.

## 1.6 Description

DESCRIPTION

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Well, well... I doubt you haven't heard about SmartWB... this proggie is over 2 years old! If you use it, you know, that you can't live without it. If, unfortunately, you don't use it, you will use it... :-)

SmartWB is a little program that will \*magically speed up\* Workbench's window refreshing. It forces to Workbench windows to open in smart-refresh mode instead of slow, ugly-look simple-refresh. SmartWB patches intuition/OpenWindowTagList which Workbench uses to open its windows. I really don't know why gurus in C= decided to use simple-refresh - it saves some memory, but the speed gain worth that. Try to open something, let's say, about 20 windows on your workbench and then do, for example, a depth rearranging. And so? Yes, slow, even on an A4000! Try it again with SmartWB...

Furthermore if you use Magic Layers (aminet/gfx/misc/ML11.lha), realtime window movement program by Trond Werner Hansen, SmartWB will make it even better!!

SmartWB is written in pure assembler, for best efficiency. Wonder, it takes \*ONLY\* 152 (exactly) bytes of memory!!! And uses no cpu time while installed.

SmartWB requires at least 2.04 AmigaOS release (V37). Tested also under 3.0 (V39) and 3.1 (V40).

## 1.7 Usage

USAGE

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Nothing more easy. SmartWB can be used from both Workbench & Shell but the first is recommended. Just drop it to 'WBStartup' drawer...

In the past SmartWB caused problems with big patterns in Workbench window. After few window drags, openings/closings pattern got scattered. Magically, it affected only big patterns. Now problem is solved - the Workbench window isn't forced to be smart.

On first invocation SmartWB installs the patch. On second it will try to remove it. Removal can fail if other program will patch the system routine used by SmartWB (intuition.library/OpenWindowTagList, specifically). In such case, first remove the other ones. Anyway I doubt you will ever want to remove SmartWB... :-).

If you want (surely!) SmartWB to not bring the info window specify QUIET as an option (for shell) or as a tooltype (for Workbench). As every other standard shell command SmartWB recognizes the '?' what brings the options template.

## 1.8 Notes

NOTES

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You thought: "Why not to force any other simple-refresh windows to be smart?", I suppose. Well, answer is simple - better not to "poke" too much. Although in most cases it can work fine but maybe sometimes not. On other hand, if a programmer uses simple-refresh he knows what he does (except Workbench's creators... :-). For example a console window if is opened in smart mode (when SMART option specified) doesn't preserve its contents. So decision was made not.

## 1.9 History

HISTORY

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v1.0 (20.02.94)

- o First release.

v1.01 (21.02.94)

- o Small fixes and optimizations.

v1.02 (27.10.94)

- o SmartWB.rendezvous port was created in a bad way. Could cause strange system behaviour. Fixed.
- o Version string was incorrect. Fixed.
- o Finally... now it's copyright (c) TBR.

v1.03 (09.11.94)

- o A nasty Enforcer hit found in the patch itself! It didn't check if a0 contains a pointer... Fixed.
  - o And therefore patch uses 120 bytes instead of 112... buuuuuuu....
-



v1.04 (18.12.95) <-- Sic!!!

- o Ooopsss... a small bug which has been hidden here for over one year...  
Sometimes SmartWB trashed d0 at exit returning stupid values (such as 44) thus breaking script... (Reported by Tassos Hadjithomaoglou). Fixed.
- o Usage doc changed - due to problems (reported by Pete Watson) with big patterns, recommended place for SmartWB is WBStartup.
- o No longer, hmmm, BeetWare....
- o Plain doc converted to guide.
- o ....not released....

v1.05 (29.07.96) <--- SIC!!!!!!!!!!!!

- o After over 2 years of SmartWB's existence pattern-scattering problem solved...!
  - o Patch size has grown from 120 bytes to 152...
  - o Source cleaned a little (removed 'Too old kick' requester... who cares about 1.3 dinosaurs nowadays... are there still such? :-)
  - o Icons added.
  - o FINAL RELEASE. Yes.
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