SIP_Documentation

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Chapter 1

SIP_Documentation

1.1   SIP V2.20 : Documentation

```
                              SIP V2.20

                    - FREEWARE -

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          This program was written under OS V3.00 and is therefore
          fully compatible. It needs OS V2.04+.
          This program needs 'asl.library'      V37+
                        and 'diskfont.library' V37+.
          This program supports 'amigaguide.library' V39+.

          Release Date : 26.06.1994


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1.2   copyright

```
    The program SIP V2.20 and its documentation files are
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1.3 disclaimer

The author takes no responsibility for any results of the use of this
program.
This software is provided "AS IS" and there is no warranty of any kind,
so that you use this software at your own risk.

1.4 distribution

The program SIP V2.20 is freely distributable (FREEWARE).
You may copy it, if the copyright notice is left intact and
all of its parts are included in the distribution.
This program must not be included in commercial packages or commercial
program collections without my written permission.
This program must not be sold in any way, but it is allowed to take
a nominal fee including the costs for copying.

This program may be put on public domain disks or included in public
domain disk libraries.
Special permission hereby goes to Fred Fish's AmigaLib-Disks and
the german series (in alphabetical order) :
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This program may also be distributed via electronic mail and may be
put into mailboxes as long as the redistribution conditions are
respected in all points.

By using or distributing this program you automatically agree to
all of the above conditions and terms.

1.5 function

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Intention :
===========
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"SIP" stands for "System Information Program".

SIP may look very similar to other programs with similar intentions,
but has really nothing to do with them except of the task to fulfil.

What I wanted to create, was a program that should bring the same comfort
to you as other programs, but which also should be compatible to the new
OS 2.04 and use the special features of the new Kickstart.

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Function :
==========
```

SIP allows you to watch and manipulate most of the elementary parts of
the Operating System of your Amiga, as (e.g.) Tasks, Libraries, Devices,
Ports and Windows.
It also brings you the possibility of viewing some of the most important
vectors in the system and to clear them, to make sure to keep your system
free of viruses and all the other garbage which affects working with
your Amiga.

SIP has been written under V3.00 of the AmigaOS and only runs under
OS V2.04+.

Usage :
=======

     Function-Overview :

 Gadget   Function

 Tasks   Shows Tasks by name and more
 Windows   Shows Screens and Windows by name
 Libraries   Shows Libraries by name and more
 Devices   Shows Devices by name and more
 Resources   Shows Resources by name and more
 Ports   Shows Ports by name and more
 Residents   Shows Residents by name and more
 Interrupts   Shows Interrupts by number and more
 Vectors   Shows some vectors (CoolCapture, etc.)
 Memory   Shows information about memory
 Mount   Shows all mounted devices by name
 Assign   Pops up a File-Requester to show assigns and volumes
 Fonts   Pops up a Font-Requester to show all available fonts
 Hardware   Gives some information about the Hardware

 Action-Gadget   Function

 Remove!   a) Removes a Task/Window/Library/Device/Resource/
                        Port or Interrupt.
 Clear!   b) Clears Cold-/Cool- and WarmCapture entries in
                        SysBase.

 Priority!   Sets new Priority for a Task/Library/Device/Resource/
                     Port or Resident.

 <Close-Gadget>   (see Menus : "Quit")

 Menu   Function

 Project/Help   Opens the AmigaGuide Online-Help
        /Info   Opens the Info-Window of SIP
        /Start WB   Starts the Workbench

```
        /Quit          Opens the Iconify-Requester
Switch/SIP Dos Tools   Switches to the "SIP Dos Tools"
      /SuperView ...    Switches to SuperView-/SuperPlay-Library
                        Resource Viewer
```

In the Iconify-Requester you may choose between three possibilities :

```
                        - Cancel                    1. Go back.

                                                    2. Iconify
                        - O.K.                      /
                                                    \
                                                      3. Really Quit
```

  Notes :
  ~~~~~~~

  - "Iconify" saves some memory (GUI, Lists, etc.)

  - You may click on all the gadgets without destroying anything,
    EXCEPT the following gadgets :

      - Remove!   Remove s.th., if s.th. is chosen
      - Priority!   Set priority, if s.th. is chosen

  Here's an example, how to "Remove!" a Task from the system :

  Example :

          Action   Gadget / Text to select

          <Clicked on>   Tasks
          <Selected>   "Background CLI"
          <Clicked on>   Remove!

          Then you'll see, that the task "Background CLI" will have been
          removed.

SIP Dos Tools :

In the Menu "SIP Dos Tools" you may view Bootblocks of Disks
(DF1: to DF3:) or format Disks or Dos-Volumes (DF1: bis DF3,
any Devices).

Please note, that for formatting of 720 KB-Disks the appropriate
Handlers (PC0: bis PCx:) have to be mounted and that Quick-Formatting
of Amiga- to 720 KB-Disks or of 720 KB- to Amiga-Disks cannot work.
Therefore for this, as well as for new Disks, please select
Hard-Formatting.
Also the maximum length for the name of 720 KB-Disks is 12 characters :
the rest will be ignored.

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  For Hard-Formatting "SYS:System/Format" is used.


  Construction :
  ==============


- The surface of this program has been created under use of the famous
  program "GadToolsBox V2.0c", written by Jan van den Baard.

- Many of the functions of this program are to find as more powerful and
  more complexe CLI-Commands in my CLI-/Shell-Package "AKCC", which is
  SHAREWARE and to find on several Public Domain Series.
  The current version/release number of AKCC is V3.03 (at the moment
  with 35 commands).
```

1.6 correspondence

```
If you like, you may send me some money. Perhaps this will motivate me
to continue programming such programs or just making updates of
this one. Send bug-reports, money or whatever to :

  Andreas R. Kleinert,
  Grube Hohe Grethe 23,
  D-57074 Siegen,
  Germany.                        email : ...
```

1.7 systeminformation

```
SIP was programmed on an Amiga 4000 with 68030EC (25Mhz),
4 MB, 85/260 MB IDE/AT-HD and OS 3.00 under SAS/C V6.51.
```

1.8 history

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V2.20 : (26.06.1994, original-size : 42424 Bytes)
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  - ListView-List now dynamically allocated and delocated,
    which also increases speed a lot !!
  - now font-sensitive and PublicScreen-friendly


V2.18 : (03.06.1994, original-size : 41688 Bytes)
-------

  - full recompilation under use of SAS/C V6.51
  - increased speed of clearing Main-ListView's Gadget Data
  - WINDOWS : no more "NULL-POINTER" texts (now "[Untitled]")
  - removed old "text style" docs, wrote new AmigaGuide-Files
  - AmigaGuide-Documentation as OnLine-Help (localized) under V39+
```

```
  - fixed problems with "Unit" values for "Handlers"
  - various improvements



V2.17 : (20.02.1994, original-size : 41564 Bytes)
-------

  - full recompilation under use of SAS/C V6.5
  - removed CXBREAK-replacement
  - fixed Handler-StackSize again : was right before
  - did much (internal) source-code optimization
  - added new "Switch"-Menu, where the available SVObjects of
    superview.library and SPObjects of superplay.library are
    displayed together with some additional information
  - and more



V2.16 : (21.11.1993, original-size : 39336 Bytes)
-------

  - SelectionDisplay-Gadget now TextGadget
  - added KickTag-Display (Vectors)
  - removing of Ports now depending on addresses, not on names
  - improved Documentation a little bit
  - more small enhancements



V2.15 : (31.10.1993, original-size : 39024 Bytes)
-------

  - use of SAS/C V6.3
  - UNDERSCOREs for the Gadgets
  - changes in Resident-Viewer
  - removing of Windows AND Screens possible,
    now depending on addresses, not on names
  - removing of Tasks now depending on addresses, not on names
  - ListView no longer shows (last) selected Item
  - recognizes 68040 FPU
  - former "FAST" memory values now interpreted as EXTended Memory
  - fixed bug in memory size calculation
  - updated documentation
  - and many more improvements



V2.14 : (24.07.1993, original size : 36000 Bytes)
-------

  - use of GadToolsBox V2.0c (V37.300)
  - removed SAS/C handling routines for CTRL-C/D (CXBREAK)
  - AmigaGuide-Documentation



V2.12 : (10.06.1993, original size : 35692 Bytes)
-------

  - now with additional menupoint "SIP Dos Tools"
    (integration of "KBoot V1.02" and "Well-Format V1.00") :
```

            - Viewing of Bootblocks of Disks
            - Diskformatting quick/hard, OFS/FFS ic
              (quick : internal, hard : external ("SYS:System/Format"))
      - improved error-handling in low-memory situations
      - removed unnecessary code
      - changed Task-Display
      - changes in Residents-/Libraries-/Devices-/Handler-Viewer
      - another bug-fix in the Resident-Viewer
      - bug-fix in the Resource-Viewer

    V2.06 : (12.05.1993, original size : 29708 Bytes)

      - Hardware : added Agnus/Alice recognition. Not perfect so far !?
      - the "Resident-View-WB-Known-Bug" now seems to be FINALLY fixed
      - internal changes to the Interrupt-Routine
      - some optimizations

    V2.05 : (15.04.1993, original size : 29964 Bytes)

      - Remove! : new Requester for Tasks/Processes :
          1. RemTask
          2. Break Task (CTRL-C, -D, -E or -F)
      - Hardware : recognizes Denise-/Lisa-Chips via their ID
      - new Menu for starting Workbench

    V2.04 : (April 1993, original size : 28088 Bytes)

       - Resident-Viewer still crashed sometimes. Bug hopefully fixed now.
       - new abort-routine (V33-style Error-Requester, runs anywhere).
       - found out, that Asl-Font-Requester at least needs "diskfont.library"
         of OS V2.0x to pop up. Added note to Doc-File.

    V2.03 : (original size : 27856 Bytes)

      - improvements
      - more informationen about Handler ("MOUNT" before)

    V2.02 : (original size : 27668 Bytes)

      - use of SAS/C V6.00
      - fixed a bad bug, which occured under OS V3.0
        (Kickstart V39.106, exec.library V39.47, intuition.library V39.2084,
         gadtools.library V39.356), but _not_ under OS V2.04 !!!
        If selected the ListView-Gadget, a "class&IDCMP_CLOSEWINDOW"
        resulted in TRUE, although it should not.
        This should have been filtered out by "GT_GetIMsg()", but was not.
        Now using an absolutely clear "class==IDCMP_CLOSEWINDOW".

- added auto-activation
- re-added possibility to watch files in Assign-Requester
- fixed handling of Resident-IDs (might have been crashed, if no
  valid ID-Pointer (or NULL) set), Forbid()/Permit()
- removed memory-values from "Hardware" and fixed those values in
  "Memory" (so that "not FAST ..." is reported, if 0x00000000 is
  found)
- changed/added some other things
- improved doc-file (even older revision-entries)

V2.01 : (original size : 27672 Bytes)

 - added some "__aligned" statements
 - fixed another (possible) bug-source in string-buffering
 - closed silly "memory black-hole" in "Mount"-Option

V2.00 :

 - changed name from "BRTM" to "SIP", to show that it is not just
   a clone of other programs with its intention
 - complete re-design of the Surface, because of use of
   GadToolsBox V1.4 : code should be better now (less
   "by hand"-changes because of multiple-windows technique).
 - changes in Help- and Info-Window, as well as small
   differences in quality of design.
 - fixed a bug in string-buffering and conversion of strings
   for Screen-Display
   (perhaps this wasn't the last one ...)
 - AGAIN : improvements on this doc-file
   (yes, you are still reading it ...)

V1.05 :

 - fixed some "surface" things ("More" now is fully obsolete),
   changed some texts inside
 - fixed a bad bug in clear-routine for gadgets
 - consequent use of "__regargs" (SAS/C V5.10a/b)
 - improves on this doc-file
   (yes, this which you are reading now ...)
 - Asl-Requester (for Assigns) now for Dirs only
   (no selection of files possible any longer)
 - Requesters are (should be) bigger

V1.01 :

 - self-detaches from CLI/Shell by "cback.o"
 - improved display of library-data
 - more information about resources
 - number of messages displayed, when "hanging" at ports
 - "$VER"sion-string for use with the CLI-/Shell-Command "Version"
 - closes the remaining stdio-window on the WB

```
        (=> no longer error-texts on the WB, but in the CLI/Shell).

  V1.00 :
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   - First and initial release.
```

1.9 morecopyrights

```
Some of the mentioned names or products above may be copyrighted by
companies or trademarks of companies.

More Copyrights :

- "GadToolsBox" V2.0c is GIFTWARE and
  © 1991-1993 by Jan van den Baard.
- "AKCC" V3.03 is SHAREWARE and
  © 1990-94 by Andreas R. Kleinert.
```