SunWindow

COLLABORATORS

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Contents

Chapter 1

SunWindow

1.1 SunWindow.guide

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SunWindow
*********
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   SunWindow is a commodity tool for the Commodore Amiga with at least
an OS-Version of 2.0 or higher. It allows the user to control the
graphical user environment (GUI) in a more intuitive way as usual. In
short, SunWindow simplifies the usage of windows and screens, by adding
keyboard shortcuts for most of the window operations, usually only
accessable via the mouse. It is also capable of controlling big
autoscrolling screens with a new method on the Amiga platforms.

   This is Edition 2 of the SunWindow documentation, for SunWindow
Version 2.

The main topics...

  Copying   Your rights.
  Introduction   SunWindow in brief.

  Features   How to use SunWindow and its features
  SWPrefs   How to use the preference program.

  Other topics   The rest you want to know.
  Distribution package What you want to know on this distribution.

  Index   You are searching for...
```

   WARNING: The information described in this manual may contain errors
or bugs, and may not function as described. All information is subject
to enhancement or upgrade for any reason including to fix bugs, add
features, or change performance. As with all software upgrades, full
compatibility, although a goal, cannot be guaranteed, and is in fact
unlikely.

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1.2   SunWindow.guide/Copying

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SunWindow Copying Conditions
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   SunWindow is copyrighted by Bernhard Scholz. The program currently
distributed includes portions of the ReqTools package (C) by Nico
Francois. For more informations on the ReqTools package, please read the
'REQTOOLS.readme' file on the distribution disk.

   SunWindow is distributed under the concepts of "SHAREWARE". This
means: If you are using SunWindow frequently (I understand a period of
time, not longer than four weeks), you have to be registered as a user
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for the distributor, and the conditions of verbatim copying providing
the copyright notice and this permission notice are preserved.

1.3   SunWindow.guide/Introduction

```
Introduction To SunWindow
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```

   In this chapter the concept of SunWindow is described in brief. You
find informations about whether you can use the program or not, what
are the benefits and other useful things, you might want to know, to
get a fast impression of what SunWindow is capable to do.

```
  Concept                   The concept behind SunWindow.
  System Requirements       What you need to use SunWindow.
  Installation              How to install SunWindow.
```

1.4   SunWindow.guide/Concept

The Concept Of SunWindow
========================

   The user interface the Amiga offers to an user is very nice and was
something revolutionary when the Amiga started its career. The "
Workbench" is the main working area, and Intuition -- a part of the
operating system -- serves for the graphical-user-interface (GUI).

   Many years have gone now, since the first release of the Amiga's GUI,
but only since release V2.0 of the OS some great enhancements to the
GUI were added, but most of them refer to the lookout of the graphics.
Also new features were added: the public screens (screens, where any
programm can open its windows) and autoscrolling screens (screens, which
are bigger than the visible size will scroll with the mouse to make
other parts of such a big screen visible). Although these two features
are really great, they are not used very often. To make the use a
little bit easier and intuitive to the user, and nearby enhance the
control over the GUI, SunWindow was born.

   SunWindow offers several things to make the life easier with your
daily work. Some of these features are now described:

   * SunWindow offers several *hotkeys* for controlling windows and
     screens, therefore it serves as a kind of replacement for FKey (by
     Commodore). Windows can be moved, sized, zipped and closed by
     hotkeys. Sizing has been enhanced in a way which makes it now
     possible to size a window in any direction. Screens can be moved
     and shuffled, as you would do it with the mouse.

   * *Public screens* are automatically under SunWindow's control (and
     they are the *only* kind of screens on which all of SunWindow's
     screen and window operations will take affect). If such a screen
     is bigger than the displayable area of your monitor, SunWindow
     offers you the possibility to display the whole screen as a
     thumbnail display in a seperate small window. On this display all
     of the screen's windows are redisplayed, and you can perform
     several actions on these windows, like bringing a window to front,
     making a selected window visible or just moving the windows around
     to get the screen cleaned up.

   * SunWindow offers you a *SunMouse* feature. This means, if your
     mouse stops over a part of a window, the window will become the
     active window, could be made visible or just brought to front.

   * SunWindow offers you also the unique possibility to *remember* up
     to ten different positions of your mouse (also on different
     screens). With just a fingertip on a hotkey you can jump back to
     any or these remembered positions, without looking through
     different screens and searching around a big screen to find the
     desired window/position.

   * On big public screens new windows may not be visible, when they
     are opened. This can be controlled by SunWindow, so that the user
     will notice every new window, by just centering the display around
     every new window (this means making the window visible). In
     addition, if the last active window becomes the active one after a

window is closed, the former window can be made visible by
SunWindow.

Again, to offer you a example of the SunWindow's thumbnail display
option of a big public screen, here's a small graphic:

```
< ----  visible area of the  ----> < -- only reachable with   -- >
          public screen                    autoscroll feature


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```

In this example SunWindow opens you a small display window in the
right bottom of the displayed area of the screen. Now you can control
the whole screen via this small display by just clicking on a window or
the background to go to the desired window or screen area. Also the
windows can be moved, brought to front or made visible.

1.5 SunWindow.guide/System Requirements

```
System Requirements
===================
```

   SunWindow uses some new features introduced by version 2 of the
Amiga's OS. Therefore of course Kickstart 2.0 or higher are required.
User of Kickstart 3.0 will notice some small enhancements in the
preference program of SunWindow.

   If you are using the *<opaque movement>* feature of SunWindow, a
fast processor and graphic display are recommanded.

   SunWindow and the preference programm will take advantage of the
'reqtools.library' (C) by Nico Francois. Please read the supplied
document on this library in the distribution package.

1.6 SunWindow.guide/Installation

```
How To Install SunWindow
========================
```

   Before you run SunWindow for the first time, you should consider the
following things:

   * You need the 'reqtools.library' in your 'LIBS:' drawer (V37 or
     higher).

   * You need a valid preference file in your 'ENV:' drawer. The
     preference file usually resides in your 'ENVARC:' drawer and is
     called 'SunWindow.prefs'. If the preference file is placed in the
     'ENVARC:' drawer, it'll be automatically copied to the 'ENV:'
     drawer during booting.

   * The SunWindow's preference program should have been run, and the
     options should have been saved once before the first use of
     SunWindow. This ensures that the path of the preference program is
     valid and therefore the preference program is accessible via a
     hotkey.

   * And of course you should have read the manual!

   If you are familar to your Amiga, I am sure you will know how to
setup your system correctly for the first use. If not, follow these
steps:

   * Enter a shell by double clicking the shell's icon at your 'Tools'
     drawer on the Workbench disk which comes with your Amiga.

   * Insert the SunWindow distribution disk in diskdrive *df0:*. (This
     is normally the internal drive.)

   * Now type the following lines in your shell, and press "RETURN"
     after each line:

```
                cd DF0:
                copy SunWindow#? SYS:Utilities
                copy SWPrefs#? SYS:Prefs
                copy LIBS/reqtools.library LIBS:
                copy ENV/#? ENVARC:
```

   The first line switches to the disk drive. The following lines
   copy the files you need to run SunWindow. Therefore these lines
   will copy SunWindow to the 'Utilities' drawer of your SYS: drive
   (usually the disk with which you booted, or the hardisk partition
   which includes the Workbench). You may want to alter this line to
   place SunWindow into the 'WBStartup' drawer, to have SunWindow
   available each time you startup your system. Just replace
   'Utilities' with 'WBStartup'. Also the preference program
   'SWPrefs' is copied to the 'Prefs' drawer of your SYS: drive. Of
   course this path may also be changed, to your prefered destination
   drawer. Be sure to copy the ENV: drawer. If you won't do so, you
   might have to do a *lot* of initializations in the preference
   program.

 * If you are using Kickstart 3.0 or higher, you perhapes like the
   only documentation available. If so, just add the following line:
   'copy LANGUAGE/SunWindow.guide HELP: LANGUAGE' where LANGUAGE is a
   replacement for the language you prefer actually only 'English'
   and 'Deutsch' are available). Please read the chapter about
   MULTIVIEW in your system documentation for further informations.

 * Now close the shell, it's no longer needed.

 * Enter your 'Prefs' drawer, or the drawer where you copied the
   preference program, and start the preference program of SunWindow,
   called 'SWPrefs'.

 * Apply some changes to the options you want to alter or just do
   nothing. Leave the program by pressing the "SAVE" button. This
   saves the options in both, the 'ENVARC:' and 'ENV:' drawer. Also
   it ensures, that the path for the preference program is setup
   correctly and usable for a quick startup of the preference program
   via a hotkey.

 * Now you are ready to run SunWindow. Just double click on its icon
   in the drawer where you have copied it. (Usually the 'Utilities'
   drawer, as shown above, or the 'WBStartup' drawer.)

1.7 SunWindow.guide/Features

The Features And Usage Of SunWindow
****

   This chapter covers the usage and features of SunWindow. First, the
usage is discussed and then all the features are explained. Because
there are so many different features, the chapter is devided into
several sections. The options are all set by the preference program
'SWPrefs'. Read the chapter about 'SWPrefs', to learn more about its

usage.


```
  Usage        How to use SunWindow

  Window                          Options, concerning windows.
  Screen                          Options, concerning screens.
  Display                         Options, concerning the thumbnails display.
  Hotkeys                         Hotkey definitions SunWindow offers you.
  Miscellaneous                   Other stuff, which is nice to know about.
```


1.8 SunWindow.guide/Usage

```
The Usage Of SunWindow
======================
```

   SunWindow is very easy to use. To start SunWindow, just do a double
click on its icon. If you are a Shell/CLI fan you can also start
SunWindow via a Shell/CLI. Note that SunWindow won't start a background
task, if started from a Shell/CLI. All general tooltype values are
accepted as well as by a start from Workbench or CLI. Read your system
manual for more information about general tooltypes. Normally no
tooltype values are required, because every option is set by the
preference program. Anyway, tooltype values have a higher priority over
the values set by SWPrefs. If you want to run SunWindow at system
startup, please place SunWindow in your 'WBStartup' drawer and add a
"DONOTWAIT" tooltype to the tooltypes of SunWindow's icon.

   There are several ways of quitting SunWindow. The easiest way is to
press the middle mousebutton of a three button mouse, while the
thumbnail display is the active window. Of course not many user own a
three button mouse and therefore there are three other possibilities of
quitting SunWindow. First you can use the 'Exchange' program supplied
by Commodore to quit SunWindow, second, you can send a CTRL-C signal, by
pressing CTRL-C, if you started SunWindow via a Shell/CLI and third,
you can rerun SunWindow. All quitting methods will popup a requester
where you should confirm.

   Mostly you don't want SunWindow to quit, but just stop working. Use
the hotkey for disabling SunWindow or the previously named 'Exchange'
program. Because SunWindow is a commodity, all of the standard
commodity functions can be controlled with ' Exchange'. Another
circumstance of commodities in general is that if you close its window,
the commodity is *not* quitted, instead it's only disabled. Read your
system documentation, to learn more about the internal functionality of
commodities.

   All other functions of SunWindow can be controlled by hotkeys or the
preference program of SunWindow: SWPrefs. Go on reading the next
sections, to learn more about these functions.

1.9 SunWindow.guide/Window

```
SunWindow and windows
=====================
```

   With SunWindow you get a greater control over windows. The following
options can be set in the preference program, to get the desired
behaviour of SunWindow. All of the "window" options are located in the
"screen actions" group of the preference program, because of their
connection to a plain usage of SunWindow (this means, running
SunWindow, without the thumbnail display).

   * *<center activated>* This option tells SunWindow to make the
     active window visible on a screen by centering the display around
     this window. Therefore every time a window becomes active, it will
     be automatically made visible.

   * *<center opened>* This option tells SunWindow to center a newly
     opened window. Every time a window opens on the screen, which
     SunWindow is just controlling (normally this is the
     active/frontmost screen), it will be centered.

   * *<center closed>* This option tells SunWindow, that if a window is
     closed and the last active window becomes active, it will be
     centered. Of course setting this option is needless if you have
     just selected the *<center activated>* option.

   * *<active to front>* Setting this option causes every active window
     to become the topmost window.

1.10 SunWindow.guide/Screen

```
Screen features
===============
```

   SunWindow only controls public screens. This means, that you can't
use any feature of SunWindow on a non public screen. This is not
because it might be a programming problem, but it is a problem of other
software integraty. If a program opens a non public screen, it just
doesn't want any other software's windows or other software's control
on its screen. Therefore SunWindow was considered not to control these
screens.

   But how operates SunWindow with screens? Actually nearly not. Most
of SunWindow's screen control features can be reached via hotkeys,
described in the second next section. There is only to mention, that
SunWindow automatically "jumps" to and from screens to reach the topmost
screen. Using SunWindow always causes the topmost screen to become the
active screen, by activating the last active window of this screen!
This is normally *not* handled by Intuition! Take care that this
circumstance is different to the normal behaviour of your GUI.

1.11 SunWindow.guide/Display

```
The thumbnail display
=====================
```

   As explained in the introduction, SunWindow is able to display the
whole screen in a little window. This window is called the thumbnail
display. In the thumbnail display all windows are displayed as they are
positioned on the screen. With this thumbnail display you can nearly do
everything to windows, as you would do it on the real screen. Therefore
the thumbnail display acts as a kind of remote control for you.

   If you want a specific window made visible, just click on the window
in the thumbnail display. If you want the window moved to somewhere
else, just click and move the window. These are only some examples, how
you could use this thumbnail display. More complex actions can be
performed by selecting one or more of the following options.

   Several options may be set to the behaviour of this thumbnail
display. But always keep in mind that all the actions you perform on
the thumbnail display are also performed on the screen (of course) and
therefore the options which you chose to work on windows will also
affect the action! The options which you might choose for the display
are listed in the preference program in the ""Display actions"" group
and they are:

   * *<activate window>* Every time you click on a window this window
     will become the active window with this option set.

   * *<window to front>* A window you selected by clicking on it will
     automatically be brought to front.

   * *<center window>* This might be the most useful option. Just click
     on a window and this window will be immediately made visible for
     you and centered on your monitor display.

   * *<opaque movement>* You might want to set this option, if you have
     a fast processor paired with a fast graphics display! This option
     causes all window movements to be processed in realtime, this
     means that you will immediatly see, where the window is moved to.

   * *<handle backdrops>* Normally there is no difference between
     backdrop windows and non backdrop windows. Backdrop windows are a
     special feature of the OS. If you set this option, you can't make
     backdrop windows visible by clicking on them. Instead the area
     around the mousepointer is made visible! This is very useful by
     using the "Workbench" window as a backdrop window.

   * *<display titles>* When this option is set the titles of the
     windows are also displayed in the thumbnail display. Unortunately
     sometimes the titles can't be displayed because of a space
     problem, then simply nothing happens.

   The following options and settings affect the lookout of the
thumbnail display and are therefore located in the ""Display settings""
group of the preference program.

* *<3D-Look>* With this option set, the windows are displayed as
  buttons. Normally they are displayed as plain coloured boxes.

* *<View border>* Set this option if you want a dotted line being
  drawn in the thumbnail display, to indicate you the actual
  displayed clip.

* *<Close gadget>* With this option set, a close gadget is attached
  to the thumbnail display window. The close gadget doesn't cause
  SunWindow to end (SunWindow is a commodity!), it just causes the
  display to be closed! Of course, also a dragbar is added, but you
  can't move the display with it.

* *<drag bar>* Set this option if you want a dragbar attached to the
  thumbnail display. Now you can move the window anywhere you like,
  and it will stay at this relative position, everytime you move the
  screen, instead of the default position.

* *<keep aspect>* Normally you can specify the width and height of
  the thumbnail display in pixels. If you set this option, you can
  only specify the width of the display, the height is calculated,
  to give you the best impression of the real proportions of the
  screen, SunWindow is just controlling.

* *<X-Coord>* This value specifies the relative x-coordinate of the
  left top edge of the thumbnail display.

* *<Y-Coord>* This value specifies the relative y-coordinate of the
  left top edge of the thumbnail display.

* *<width>* This value specifies the width of the thumbnail display.

* *<height>* This value specifies the height of the thumbnail
  display.

* *<Placement>* Choose the default location of the thumbnail display.
  Setting "Individual" will take the values of *<X-coord>* and
  <Y-coord> to take affect. Setting one of the four corners will
  cause SunWindow to open the thumbnail 1 pixel away of the selected
  corner, so you can reach a possible hidden gadget. (Mostly the
  size, screen cycle or close gadget).

1.12 SunWindow.guide/Hotkeys

```
Hotkey features
===============
```

   Hotkeys? What is a hotkey? A hotkey is a keyboard shortcut for a
specific function. This means, that if you are using a hotkey for a
function you can choose, which key presses of your keyboard will act
for/start this function. Therefore a hotkey is a shortcut for
operations or functions which are normally only hard to get or
sometimes impossible to get.

   With the hotkey feature of SunWindow you get a kind of control over
screens and windows you might have dreamed of. Because there are so
many hotkeys available, they are again described in several subsections.

These subsections are:

  Window Hotkeys   Hotkeys for window manipulations.
  Screen Hotkeys   Hotkeys for screen manipulations.
  Misc Hotkeys   Hotkeys for other stuff.

If you don't know how to specify a hotkey read this:

  HowTo?   How to install a hotkey!

1.13   SunWindow.guide/Window Hotkeys

Hotkeys For Window Operations.

   Below is a list of all the hotkeys of SunWindow which allow you to
manipulate your windows in a way (or even better) which is normally
only possible with a mouse. The first expression after an item bullet
is the name of the hotkey as it would appear in the hotkey list of the
preference program.

  * *<recenter window>* Imagine this: you have just activated a
    Shell/CLI and want to type something in it. Now you have looked up
    some information in a window you can't see, because it's somewhere
    else on the screen. You only looked up this information, but didn't
    activate the informative window, so you only moved the screen.
    O.k., now you know your information, but where is the shell? Just
    use this hotkey to make the active window visible again, if you
    moved the screen.

  * *<window cycle forward>* With this hotkey you can cycle through
    all the windows of the active (topmost) screen in "forward"
    direction. If you selected some other features of SunWindow, this
    window might be made visible, brought to front or/and made
    activated.

  * *<window cycle backwards>* The hotkey with the same functionality
    as *<window cycle forward>*, but of course in reverse direction.

  * *<enlarge window...>* There are eight hotkeys for enlarging a
    window. With the hotkeys of SunWindow a window can be enlarged in
    every direction. The direction is always written in brackets. For
    example the hotkey for enlarging a window to its left bottom is
    labeled *<enlarge window (left bottom)>* in the hotkeys list.

  * *<reduce window...>* Again eight hotkeys for the reverse action of
    enlarging a window. See hotkey description for: *<enlarge
    window...>*.

* *<move window...>* And again eight hotkeys for just moving a
  window around the screen. See also the hotkey description for:
  <enlarge window...>

* *<toggle zip state of window>* This hotkey has the same
  functionality as pressing the zip gadget of a window. Of course,
  if there is no zip gadget, you can't toggle the zip state of a
  window.

* *<maximize window>* By pressing this hotkey you enlarge the window
  to its maximum dimensions. Notice, that this dimension is
  controlled by the program, which opened the window, and not by
  SunWindow.

* *<minimize window>* This is the reverse action to *<maximize
  window>*.

* *<window to front>* Just press this hotkey to bring a hidden,
  active window to front.

* *<window to back>* Again a reverse action. See *<window to front>*.

* *<close window>* This hotkey has the same affect as pressing the
  close gadget of a window. Of course: if there is no close gadget,
  you can't close the window! Notice that a window is only closed,
  if the program controlling the window allows the window to be
  closed!

1.14   SunWindow.guide/Screen Hotkeys

Hotkeys For Screen Operations.

   Below is a list of all the hotkeys of SunWindow which allow you to
manipulate your screen in a way (or even better) which is normally only
possible with a mouse. The first expression after an item bullet is the
name of the hotkey as it would appear in the hotkey list of the
preference program.

* *<move screen...>* There are eight hotkeys for moving a screen.
  With the hotkeys of SunWindow a screen can be moved in every
  direction. The direction is always followed after the *<move
  screen>* keyword. For example the hotkey for moving a screen left
  down is labeled *<move screen left down>* in the hotkeys list.

* *<cycle screens backward>* With this hotkey you can switch a
  screen to the back. The new topmost screen will become the active
  screen by activating its last active window.

* *<cycle screens forward>* The reverse action to *<cycle screens
  backward>*.

1.15 SunWindow.guide/Misc Hotkeys

```
Hotkeys For Miscellaneous Operations.
-------------------------------------
```

   Below is a list of all the hotkeys of SunWindow which offer you a
greater power for your system -- or are just standard hotkeys. The
first expression after an item bullet is the name of the hotkey as it
would appear in the hotkey list of the preference program.

   * *<call preferences>* This hotkey allows you to start the
     preference program of SunWindow with a simple keypress.

   * *<show/close view>* This hotkey opens or closes the thumbnail
     display of the screen. This is useful if you only want to use the
     hotkey features, or some other features of SunWindow, which don't
     rely on this display.

   * *<enable/disbale>* This hotkey enables or disables all of
     SunWindow's functions. This is always needed, if you want to
     change the screen mode of a screen! It is not enough, to only
     close the thumbnail display!

   * *<remember position xx>* There are ten hotkeys for remembering a
     specific position of the mouse on a screen with the active window!
     The *xx* indicates the number (1-10) of the position you want to
     remember.

   * *<jump to position xx>* These are the ten hotkeys for jumping to a
     previously remembered position with the *<remember position xx>*
     hotkeys. The *xx* indicates a number (1-10). The remembered screen
     is brought to front, the mouse is repositioned to the remembered
     position and the remember window is activated. If the screen is
     gone, nothing happens, if the window is gone, only the mouse is
     repositioned.

1.16 SunWindow.guide/HowTo?

```
Installation Of Hotkeys.
------------------------
```

   Hokeys are installed very easily with the preference program of
SunWindow. Just select the hotkey which you want to install and specify
a keyboard shortcut for it. After exiting the preference program, the
hotkey should be ready for usage. If the keyboard shortcut definition
is wrong, a requester will popup, where you can correct the hotkey or
simply alter its definition. But this requester is just a short
solution! Don't forget to correct/alter your definition in the
preference program, too!

   NOTE: a requester will also popup with a *correct* definition, if
another hotkey with the same definition is already in use!

But how is the syntax for defining a hotkey? It's very easy and
intuitive:

* first decide, wether you want a hotkey connected with a keyboard
  shortcut or with the mouse. If you choose the keyboard go on
  reading the next item, else write done "rawmouse" as the first
  item in the definition string.

* now chose one or more qualifiers for your shortcut. A qualifier is
  one of the following items:
    - *lshift* for the left shift key on the keyboard.

    - *rshift* for the right shift key on the keyboard.

    - *capslock* for the "Caps Lock" key.

    - *control* for the control key labeled "Ctrl"

    - *lalt* for the left "Alt" key on the keyboard.

    - *ralt* for the right "Alt" key on the keyboard.

    - *lcommand* for the amiga key labeled "A", left to the space
      bar.

    - *rcommand* for the amiga key labeled "A", right to the space
      bar.

    - *numericpad* for a key on the numericpad (if accessable).

    - *repeat* for key repeat (if you hold down a key long enough).

    - *lbutton* for the left mouse button.

    - *rbutton* for the right mouse button.

    - *midbutton* for the middle mouse button, if available.

  You can also just specify a group of qualifiers:
    - *shift* for any shift key.

    - *alt* for any "Alt" key.

    - *command* for any Amiga key (next to the space bar).

  Now write down this qualifier(s) in your hotkey definition string.
  Add a minus before those qualifiers you want to be ignored when
  pressed.

* Now choose wether you want upstrokes or not or both. Just ad
  "upstroke" to your definition string, if you want only upstrokes.
  Leave it, if you want only downstrokes. Add it with a preceding
  minus if you want both. Adding "upstroke" is optional.

* Add a highmap keycode, or an ANSI-Code to your definition string.
  This is also optional. A highmap keycode is one of the following
  items:

  – *space* for the space bar.

  – *backspace* for the backspace key. ("<-")

  – *f1 ... f10* for one of the "F-Keys".

  – *esc* for the key labeled "Esc".

  – *tab* for the tabulator key. (above the "Ctrl" key).

  – *enter* for the key labeled "Enter".

  – *return* for the return key.

  – *del* for the key labeled "Del".

  – *help* for the key labeled "Help".

  – *up, down, left, right* for one of the direction keys.

   An ANSI-Code is just the character you get by pressing a "normal"
   key. (e.g. "a").

   Now you did everything which is needed, for a complete hotkey
definition. Here some examples, which might explain it a little bit
better:

  * *lshift alt f2*: press the left shift key with any "Alt" key and
    the "F2" key simultaniously.

  * *-shift control a*: press the control key and the key which
    "produces" the "a" simultaniously. If you want you can also press
    any shift key.

   NOTICE: There is a bug in Kickstart 2, which prevents you using the
mousebuttons. In version 3 of the Kickstart, this bug is fixed.

1.17 SunWindow.guide/Miscellaneous

Miscellaneous Features
======================

   There are some features left, which didn't fit into one of the
previous sections. They are therefore placed in the ""Miscellaneous""
group of the SunWindow preference program (except for the *<SunMouse>*
options, which are placed in the ""Screen actions"" group, because they
take only affect screens.)

   The features are:

  * *<startup window>* This option causes the preference program to be
    run at startup of SunWindow, where you can do quick changes.

  * *<T:>* This is a shortcut for the task priority of SunWindow.

Normally different programs are run at task priority level 0.
Workbench runs at level 1 (so it get's more CPU-time in very busy
situations). Background tasks may want to run at level -1, which
causes them to loose the CPU in busy situations. Choose the
priority you prefer.

* *<C:>* This is a shortcut for the commodity priority. Commodities
  use the same information data stream. Usually the commodity with
  the highest priority will get the information first. A commodity
  with low priority later. This may cause some lost of informations,
  because commodities are allowed to strip informations from the
  information stream. The default priority should be 0.

* *<U:>* This is a shortcut for the update time of SunWindow in 1/10
  of a second. This will only affect the time, how fast SunWindow
  will react to changes on the screen, and this value may be
  strongly influenced by the task priority of SunWindow. A value of
  3 is a nice try to start.

* *<SunMouse feature>* This option enables the SunMouse feature of
  SunWindow, if set. SunMouse feature means, that always the window
  under the mouse will be activated.

* *<SunMouse delayed>* If this option is set, the window will only
  be activated, if the mouse stopped over a window, for a specified
  amount of time. You may only set this option if you have already
  enabled the *<SunMouse feature>* option.

* *<SunMouse reaction...>* This is the time value for the *<SunMouse
  delayed>* option in 1/10 of a second. A value of 4 is a good delay
  time.

1.18   SunWindow.guide/SWPrefs

The Preference Program: SWPrefs
****

   When you correctly installed SunWindow, you'll find a program called
"SWPrefs" in the "Prefs" drawer of your startup disk/hardisk partition.
This is the preference program for SunWindow. With this program you can
set all the options SunWindow offers you. When you start SWPrefs you
find a lot of options divided into four groups, concerning their
functionality. There is a "Display actions", a "Screen actions", a
"Display settings" and a "Miscellaneous" group (from top left to right
bottom), additionally to the most right is a control panel attached.
Each group is now explained:

   The "Display actions" group contains all those options which concern
the thumbnail display of SunWindow. The different options are described
in the "Usage" chapter, section "Display".

   The "Screen actions" group contains all those options which concern
the screen directly, this means that this options can be used without
the thumbnail display. The different options are described in the

chapter "Usage", section "Window", "Screen" and "Miscellaneous".

   The "Display settings" group contains, of course, the settings for
the thumbnail display. The different settings are described in the
"Usage" chapter, section "Display".

   The "Miscellaneous" group contains some settings which contain the
internal functionality of SunWindow, here you can set priorities, etc.
There is also a button labeled "Keys..." which takes you to the hotkey
definition window. The different options in this group are described in
the "Usage" chapter, section "Miscellaneous". The hotkey definition
window is described below.

   The control panel on the right of the display has seven buttons.
They are now explained from top to down:

   * *About*: This button opens a little window with information of this
     version of SunWindow. The version number, revision number and
     registered user is displayed here, as well as a copyright notice.

   * *Load*: This button reloads the last saved settings from the
     ENVARC: drawer.

   * *Load as ...*: This button let's you choose a differnt settings
     file, previously saved with the *Save as ...* button.

   * *Save*: This button saves the settings in the ENVARC: drawer as
     well as in the ENV: drawer. SunWindow will get notified about the
     new settings. SWPrefs ends after saveing the settings.

   * *Save as ...*: This button let's you save the settings to a
     different place of your choice. SunWindow won't get notified about
     this settings, until they are placed in the ENV: drawer. SWPrefs
     ends after saveing the settings.

   * *OK*: This button saves the settings only in the ENV: drawer. This
     means, no permanent changes are done to the settings file saved on
     disk in the ENVARC: drawer. SWPrefs ends after saving the settings.

   * *CANCEL*: This button quits SWPrefs and leaves all settings
     untouched.

   NOTICE: Closing the preference's window has the same effect as
pressing the *OK* button. It saves the settings in the ENV: drawer and
quit's SWPrefs.

   By pressing the "Keys..." button in the "Miscellaneous" group,
another window opens with a big list view, containing all the hotkeys
SunWindow offers you. Below this list view is a string gadget, where
the actual defintion of a hotkey is displayed and can be edited. Two
buttons labeled "OK" and "Cancel" are attached to the bottom of the
window. If you want to change a hotkey just select it from the list
view, by either using the mouse or the h key (unshifted scrolls down,
shifted scrolls up). The definition is then displayed in the string
gadget. Activate the string gadget with the mouse or by pressing e and
edit the defintion. Press RETURN when finished. Go on with all the
other hotkeys you want to change. When finished, press the "OK" button

to overtake the new definitions (or just close the window), press
"CANCEL" if you think you were doing something wrong.

   NOTICE: The hotkeys' definitions are *not* checked, wether they are
correct or not. Only if you save the settings, SunWindow will check
them, and popup a requester for the wrong definitions. Please correct
them in the requester *and* with SWPrefs!

   NOTICE: If you want to disable a hotkey, just enter nothing, or
clear the actual definition.

1.19   SunWindow.guide/Other Topics

Other Things You Want To Know
****

   This chapter is devided into several sections with additional
informations.

These sections are:

  Registration   How to register for SunWindow.
  Updates   How to get updates.
  Support   What kind of support does exist.

  Thanks   The author wants to thank.
  Future   Further development plans.

  Questions   commonly questions and their answers.

1.20   SunWindow.guide/Registration

How to register
===============

   SunWindow was now developed over one year during my study on
University. Because I had to invest a lot of time, and can't just work
for fun, SunWindow was decided to be SHAREWARE. This means, that you
can test SunWindow for a period of time (I understand up to four weeks)
and if you like it you are recommended to register, to get access to
the fully working version.

   A registered user will receive a keyfile. This keyfile is placed in
the DEVS: drawer. With this keyfile you can use this version of
SunWindow and any other version/revisions becoming available.

   To register for SunWindow just fill in the following registration
form, and send it to the supplied address. Your registration will be
handled within a week, outside Germany registrations may take a longer

```
time.
```

```
                         REGISTRATION FORM

    I want to register for SunWindow. I am currently usin Version ____
    Revision _____ . I received this version by/from _____
    The registration fee is US$ 20 (outside Germany) or DM 20 (inside
    Germany).

    My address:
    _____
    _____
    _____
    _____

    EMail: _____

    ( ) Please register me as a group. Ich want to use additional ___
        copies of SunWindow in my group. I will therefore receive these
        copies for the special group price of 5 US$ / 5DM for each
        additional copy (*)

    ( ) I already registered. Please send me the latest version
        of SunWindow. I will wait up to ___ weeks, if a new version
        or revision is just under development. The sharing of expenses
        is US$ 5 (outside Germany) / DM 5 (Germany only). There is
        NO fee for updates sent to you via e-mail.

    ( ) I want to receive my copy as fast as possible. Please send it
        to me by e-mail. (about 290kB. lha-File uuencoded)

    This mail includes US$/DM _____  in the form of
    ( ) plain money    ( ) EuroCheck
            *** SPECIAL COUNTRY CHECKS ARE NOT ACCEPTED! ***

    I am using an Amiga: _____   Processor: 680__0
    Kickstart:  ( )1.2  ( )1.3  ( )2.0  ( )3.0  ( ) ___
    RAM: ___ MB Fast, ___ MB Chip
    graphic card: _____
    additional special hardware: _____

    Additional informations, comments and enhancement ideas:
    _____
    _____
    _____
    _____
    _____
    _____

    (*) please add the adress/name of the group.

    Date: _____  Signature: _____

  Please send this registration form to:

    Bernhard Scholz
    Steinbruchstr. 9
```

```
   82398 Polling

   Germany
```

1.21   SunWindow.guide/Updates

```
How To Receive Updates
======================
```

   As a registered user you will recieve a copy of the latest version
of SunWindow, including a keyfile. With this keyfile you get
independent from direct sendings of the author, instead you can use the
actual distributed version on the aminet, or some PD-series.

   If you don't have access to the aminet or PD-series, of course you
will get updates directly from the author on request. For the first
time an update is available, every registered user will get an
information about it. If you don't take advantage of this new version,
no further informations are sent. Of course every new version will be
released on several PD-Series, and most revisions will be released in
electronic form on the aminet, therefore users will get notified about
the further development of SunWindow.

   If you want to get an update directly from the author, there are two
possible ways:
   * Write to the author and include 5 US$ if you are living outside
     Germany, or DM 5 if you are living in Germany. The latest version
     will be sent to you as fast as possible.

   * Wirte an electronic mail to the author, if you want to get the
     latest update via e-mail (lha-file uuencoded). This is the fastest
     way to receive an update.

   The addresses for reaching the author are:

   Bernhard Scholz   or: (e-mail)
   Steinbruchstr. 9
   82398 Polling   scholz@informatik.tu-muenchen.de

   Germany

1.22   SunWindow.guide/Support

```
The Support You Get.
====================
```

   There is simply NO support for *unregistered* users, except that
they will get notified of new version by looking on several PD-series
or the aminet, because every major enhanced release will be distributed
there.

Registered users may send questions, comments and wishes to the author, and they are surely considered for the next release and their questions will be answered. Please note that only those questions can be answered, by normal mail, if there is an amount of money included in your letter, to send you the answer back! E-mail will of course be the most convinient way to contact the author and to get answer.

1.23 SunWindow.guide/Thanks

Thanks To The People Who Helped.
================================

During the development of SunWindow several problems occured, and I needed people for testing my software, or just commenting it. These people helped me most:

  * *Martin Korndörfer*. For nearly every programming problem, he
    knowed a trick or solution. Also his "MagicMenu" is a great
    product! Take a look on it!

  * *Thomas Feistle*. For correcting the documentation, and his
    enhancments to it. Really much work, which I hate.

  * *Antje Karrasch*. For re-reading the docs.

  * *Christian Rattei*. For testing SunWindow on his A3000 and finding
    always a bug, when I just thought every bug was fixed. He is also
    the guy, who makes testing with the EGS System possible. Also take
    a look at his fantastic disk utility "FileFairy" which will soon
    be released!

  * *Christian Scholz*. He always had problems with SunWindow. This is
    useful for developing even better versions. He is also the guy,
    who painted the 8 colored icons.

  * *Bernhard Möllemann*. For his testing, and bugreports on the good
    old "original" Amiga A1000.

  * *Henning Schmiedehausen*. He sent most comments to the first
    version of SunWindow and tested it intensively. He also sent most
    Enforcer and Mungwall hits, just when I thought there are no more
    hits!

  * *Manfred Fichtl*. For testing SunWindow on his A4000 and giving me
    some ideas, how to enhance it.

  * *Peter Kunath and Frank Riffel*. Thanks also for testing and
    commenting. You should also register for their great work, the
    "DeliTracker", the best sound module player ever written for the
    Amiga.

  * *Matthias Scheler*. For managing #amigager on the IRC system.

1.24 SunWindow.guide/Future

```
The Future Of SunWindow
=======================
```

   With your registration you'll make a further development of
SunWindow possible. SunWindow in the present state fits my personal
needs and will therefore be only slightly enhanced. I will only go on
developing SunWindow, if there are enough registrations and enhancement
ideas. I thank all the people who will (and have already) register(ed)
and support(ed) this project. Remember: SHAREWARE products depend on
your support!

   Some ideas for the future, which might be included in the next
revisions:
   * Window iconifying.

   * Screen icons in a seperate window, so screens can be selected fast.

   * special mousepointers (animated) for windows which don't have
     their own special mousepointer design.

   * Annotator tool, for different actions.

   * sticky windows option

1.25 SunWindow.guide/Questions

```
Questions and Answers
=====================
```

   Because SunWindow is a tool, which offers you a new feeling for you
computer, not everything might be common to the usual behaviour. But if
you have worked a while with SunWindow and got used to it's features,
I'm sure you won't want to miss them again! Also due to the programming
difficulties with the system of the Amiga, some problems might occour.
These Problem are now discussed:

   * *I just opened a new public screen but SunWindow's thumbnail
     display still runs on the old one.*

     Try to close the thumbnail display with the hotkey and reopen it.
     If the thumbnail display is still on the other screen, then your
     public screen is private!

   * *I want to change the ScreenMode, but something is still locking
     the screen!*

     SunWindow has a savety lock on the public screen it is

controlling, therefore you have to disable SunWindow first. Only
closing the thumbnail display isn't enough.

* *If the thumbnail display is in front of another window, I just
  can't click this window to back!*

  This is normal, due to the internal operations of Intuition. Use
  the hotkey for bringing a window to back instead, or close the
  thumbnail display.

* *In conjunction with MAGICMENU the systems seems to hang up
  sometimes.*

  There is no real solution, yet. But the system doesn't hang up.
  Intuition just locks the menu system, after a view seconds the
  system is usable again.

* *I set the update time to 0, but sometimes SunWindow needs a long
  time reacting to changes on the screen.*

  You are running another task with a high task priority or a task
  which needs a lot of CPU-power. Try setting the task priority of
  SunWindow to 1, or simply wait until the busy task has ended.

* *I am using a patch, which causes all requesters to become
  ReqTools requesters, but now all the requesters are automatically
  centered, even if I didn't specify this!*

  You have set the option for centering windows. Because all
  requesters are based on windows, this is a normal circumstance.

* *I am using Directory Opus, but if I want to quit, Directory Opus
  pops up a requester telling to close all foreign windows?!*

  Directory Opus belongs to those kind of programs, which don't
  count on programming guidlines in some circumstances. Disable
  SunWindow, or put it to sleep, to get Directory Opus ending.

* *I want to change the screen mode, but sometimes the system
  crashes!*

  Take care on specifying the new screen mode dimensions; it might
  be possible that SunWindow can't open it's display with this new
  (extrem) values!

* *I am using a graphics card with the EGS system. Unfortunately
  SunWindow doesn't work perfectly!*

  The EGS system in it's present state isn't 100% systemcompatibel.
  Take care that also other programs can't work together with EGS,
  because EGS isn't error free! SunWindow was tested with EGS, but
  there might be still some problems not known to the author. Most
  Problems belong to the EGS system and *not* to SunWindow. Please
  tell the author your problems, so they can be fixed. (Only known
  problem: Running SunWindow without a valid SUNWINDOW.PREFS file
  will cause an window opening error; under EGS the system will
  simply crash your computer!)

1.26   SunWindow.guide/Distribution Package

```
The Distribution Package.
*************************
```

   In this chapter you will find everything about the distribution
package of SunWindow. Also information is included about
redistribution, and distribution with other software.


```
  Package                 What's in the distribution package
  History                 Latest changes to this version of SunWindow
  Distribution            How SunWindow may be distributed
  Warranty                Warranty? There is NO warranty!
```


1.27   SunWindow.guide/Package

```
What's In The Distribution Package
==================================
```

   In the distribution package of SunWindow V2.0 the following files
are included. Please check whether you got all this files. Please
inform the author if you didn't get all of these files. The files are:

```
        ENV (dir)
          SunWindow.prefs
        OtherIcons (dir)
          SunWindow.info                  SWPrefs.info
        English (dir)
          ReadMeFirst.doc                 ReadMeFirst.doc.info
          Registration.doc                Registration.doc.info
          ReqTools.doc                    ReqTools.doc.info
          SunWindow.doc                   SunWindow.doc.info
          SunWindow.dvi                   SunWindow.dvi.info
          SunWindow.guide                 SunWindow.guide.info
        Deutsch (dir)
          ReadMeFirst.dok                 ReadMeFirst.dok.info
          Registrierung.dok               Registrierung.dok.info
          ReqTools.dok                    ReqTools.dok.info
          SunWindow.dok                   SunWindow.dok.info
          SunWindow.dvi                   SunWindow.dvi.info
          SunWindow.guide                 SunWindow.guide.info
        ReqTools (dir)
            libs13 (dir)
              reqtools.library
            libs20 (dir)
              reqtools.library
            Prefs (dir)
              ReqTools                         ReqTools.doc
```

```
            ReqTools.doc.info                      ReqTools.info
         Install (dir)
             Workbench_2.1+ (dir)
                Install ReqTools
            Install ReqTools                      Installer.README
            Installer.README.info                 Install_1.3
            Workbench_1.2-1.3                      Workbench_1.2-1.3.info
            Workbench_2.0.info                     Workbench_2.1+.info
         Install.info                         Prefs.info
      Deutsch.info                         English.info
      LISTING                              OtherIcons.info
      ReqTools.info                        SunWindow
      SunWindow.info                       SunWindow.small
      SunWindow.small.info                 SWPrefs
      SWPrefs.info
```

The special file 'LISTING' contains the dumped directory with file
sizes, etc. 'SunWindow.small' is a short version of SunWindow, without
error messages and default settings!

1.28 SunWindow.guide/History

```
The History Of SunWindow V2.0
=============================
```

Actually there is no history for SunWindow V2.0. This is the first
release.

But for those who updated from SunWindow V1.16 or higher, here the
major changes to SunWindow V2.0:

  * Preference program to control all the features, instead of a menu.

  * Hotkeys added for window and screen control.

  * Hotkeys added to remember positions and quickly jump back to them.

  * SunMouse feature added.

  * Thumbnail display enhanced, to display window titles as well.

  * Greater control over the thumbnail display with dragbar, and
    closegadget.

  * Automatic sizing of the thumbnail display, to show the screen with
    the right proportions.

  * several internal routines completely rewritten.

1.29 SunWindow.guide/Distribution

```
The Distribution Of SunWindow
=============================
```

   SunWindow may be distributed with other software under the following
circumstances:

   * the copyright belongs to me.

   * the documentation must not be changed.

   * I get a fully functional version of the software, if needed with
     registration.

   * the distribution package of SunWindow is not changed.

   * additional for commercial software, including SHAREWARE:

        - the producer has to register.

        - you have asked me for permission and got a licence, which is
          included in your Software package

   With this writing, Fred Fish and Martin Schulze get the written
permission, to include SunWindow in their PD-series (AmigaLibDisk and
SaarAG-PD)

1.30 SunWindow.guide/Warranty

```
Warranty
========
```

   With the use of this software, you accept the following disclaimer:

   THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDER AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE
COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

   IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY REDISTRIBUTE THE
PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS
OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR
THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

1.31 SunWindow.guide/Index

```
Index
*****
```