SXServDoc

COLLABORATORS

	TITLE : SXServDoc		
ACTION	*NAME*	*DATE*	*SIGNATURE*
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

SXServDoc

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                  SXServ  Release Version 1.6
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                      All rights reserved

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1.2   preface

Hi Janus bridgeboard user !!!

  In this archive you will find a useful commodity that shall expand
the capability of Commodore's janus bridgeboards. This software is of use
only if you are running Kickstart 2.04 and you own a Commodore 386SX
Bridgeboard. For SXServ you need at least an PC VGA gfx board in order to
use the switch to pc feature.

  In order to use this new tool you need to know what you are doing !
Some knowledge of the janus system and the files it incorporates is
required.

If there is some feedback via email, I will think about doing some more janus software .....

That's all 4 now .....

1.3 features

SXServ is a little commodity that combines some programs of the original janus package such as PCReset,LPT1,LPT1X,Flipper and PCWindow.

To use SXServ you have to copy the program into the sys:WBStartup drawer. You have to edit the following tooltypes then:

How to use SXServ :

1.   SXTOGGLE_Hotkey = <Shortcut to toggle between AMIGA and BridgeBoard VGA
                        display>
2.   SXFLOPPY_Hotkey = <Shortcut to toggle between AMIGA and BridgeBoard
                        floppy access> This replaces the original Flipper tool.
                        Of course an A2386 bridgeboard is required.
3.   SXLPT_Hotkey   = <Shortcut to activate/deactivate lpt emulation>

3.   SXRESET_Hotkey = <Shortcut to do a hardware reset>

4.   CX_POPKEY   = <Shortcut to popup GUI>

After you have pressed the SXTOGGLE_Hotkey the emulation window opens and the switchmodul* will switch over to the PC VGA display. The pc keyboard is emulated.

* With a little circuit you can realize an electronic monitorswitch with the
  A2386 bridgeboard. The switch is plugged into the minidinconnector at the
  back of the commodore sx board.

 if you don't want to build your own switcher you can order it from, only mail order, cash:

                    Andreas Goiczyk
                    Schillerstraße 5
                    46047 Oberhausen
                    049 (0)208 878155
                    Germany

it costs 70 $ including shipping

1.4 requirements

This   software is of use only if you are running Kickstart 2.04 and
you own a Commodore 386SX Bridgeboard. For SXServ you need at least an PC
VGA gfx board in order to use the switch to pc feature. @endnode

1.5 installation

To use SXServ you have to copy the program into the sys:WBStartup
drawer and reboot.

1.6 tooltypes

Tooltype descriptions

There are some supported tooltype parameters:

SXTOGGLE_HOTKEY
  Shortcut to toggle between AMIGA and BridgeBoard VGA display. Of course
this option is only available if you own a C= 386SX Board (2386) and if the
electronic   monitor   (mentioned   in Features) is connected to the
bridgeboard. This function is also available in the user interface.

SXFLOPPY_HOTKEY
  Shortcut to toggle between AMIGA and BridgeBoard floppy access. This
replaces the original Flipper tool.   Of course an A2386 bridgeboard is
required. This function is also available in the user interface.

SXLPT_HOTKEY
  With   this   tooltype   you   can   change   the   shortcut   which
activates/deactivates the lpt emulation.   You can also use the user
interface to do activation/ deactivation of lpt port. This replaces the
LPT1/LPT1X tool of the original janus package.

SXRESET_HOTKEY =
  This allows to change the shortcut which does a hardware reset. This reset
is the same as you would run the PCReset program of the janus package.

CX_POPUP
  If you specify YES as parameter the user interface opens if the program
is started.

CX_POPKEY
  This allows to change the shortcut which pops up the user interface.

1.7 gadgets

Gadget descriptions

Most gadgets are pretty much self explanatory but here follows a short
description.

"Activate parallel port"
   If this checkbox is enabled lpt printer port emulation is activated. You
are then able to redirect bridgeboard printer output as specified.

"direct cia access"
   If this gadget is enabled all printer output is done by directly
programming the CIA parallel port registers. Nevertheless this is done in
a system-friendly way because SXServ tries to alloc the parallel port
first.
   If this gadget is not enabled all output is done via printer.device if
output to file is not enabled.
   Of course "direct cia access" is the fastest way to emulate the lpt
printer port.

"output to file"
   If you activate this checkbox all lpt output is redirected into a file
which filename can be specified in the string kind gadget below this
checkbox.   Because the printer data is not buffered in any way file output
is quite slow.   If you want to access the printer data file on the amiga
side you have to deactivate the lpt emulation first because the file
remains open as long as the emulation is active.

"outputfile"
   With this string gadget you can specify the filename which is used for
the printer data file. If you select the picker at the right side of the
string gadget you are able to choose a filename via a comfortable asl
filerequester.

"Attach floppy to.."
   Listview gadget to toggle between AMIGA and BridgeBoard floppy access.
This replaces the original Flipper tool. Of course an A2386 bridgeboard is
required. You may also use the cursor keys to toggle floppy access.

"Switch to PC"
   Gadget to switch to BridgeBoard VGA display. Of course this option is
only available if you own a C= 386SX Board (2386) and if the electronic
monitor (mentioned in Features) is connected to the
bridgeboard.

"Reset PC"
   This gadget does a hardware reset if you select it. This reset is the
same as you would run the PCReset program of the janus package.

"Save"
   The save option is not yet available.

"Use"
   This gadget deactivates the user interface.

"Quit"
   This button removes the whole commodity if selected.

1.8 questions

If you have any questions or just have found a bug concerning
SXServ feel free to contact me via email. My email-address is as follows:

Frank Mariak, mariak00@marvin.informatik.uni-dortmund.de

1.9 credits

I have some people to thank for their assistance in the development
of SXServ. A few of the more influential people who have contributed
greatly to this effort are:

Klaus Burkert
  Who supplied me with all the janus development stuff.

Andreas Goiczyk

  He designed the electronic monitor switch and his comments
  and testing helped me to continue working on this project.

Olaf "Olsen" Barthel
  For developing the wonderful GUI engine I used in this
  project.

1.10 copyright

               Legal and Distribution Information

  This software is provided as is. Bug reports and suggestions for
improvement are welcomed, and every effort will be made to evaluate such
reports.
  SXServ is freely distributable provided no fee other than a
moderate fee for disk copying charges is made for its acquirement. It may
be distributed across any electronic network, provided no fee is charged
specifically for it's download. A broad-based download fee is acceptable
provided it is charged universally for all such file downloads. All
associated files included with the distribution archive of SXServ are to
remain intact and unaltered. BBS listing notices and the like may be
included in the archive provided no alterations are made to the actual
distribution files themselves.
  This program, and all accompanying files are not public domain.
They are copyright material and may not be used for commercial purposes
without permission from the author. The author must be contacted before
any distribution with a commercial product.
  SXServ is not shareware, as no donation or usage fee is required.
However, any donations are always appreciated, and can only encourage
further development of the program. This is an ongoing project, and will
continue to be so as long as interest in it is shown.

1.11 disclaimer

   I hereby reject any liability or responsibility for these or any
other consequences from the use of SXServ whatsoever. This includes, but
is not limited to, damage to your equipment, to your data, personal
injuries, financial loss or any other kinds of side effects.

   Although SXServ has been tested thoroughly on several different
machines, I cannot rule out the possibility that SXServ

   o is somehow incompatible to your equipment

   o has bugs that show up on your equipment

   o does not do what it is supposed to do on your equipment

   It is your responsiblity to take any precautions necessary to
protect yourself from these or any other effects. I explicitly reject any
liability or responsibility from the consequences of you using SXServ.

1.12 Installer

 Installer and Installer project icon

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 NO WARRANTIES ARE MADE. ALL USE IS AT YOUR OWN RISK. NO LIABILITY
 OR RESPONSIBILITY IS ASSUMED.

1.13 history

    Revision V1.6

     - backslash is repeatable now
     - added all missing keycodes (keypad codes, tilde etc.)

    Revision V1.5

     - DYNAMOUSE tooltype was not handled correctly
     - added semaphore for MouseServ
     - added support for new mouseserv

    Revision V1.4

     - again changed keyboard emulation code.
     - fixed some enforcer hits in the HandleGUI code

    Revision V1.3

     - changed the way the keyboard is emulated.
     - the '4'-key works now

```
   - the backslash is emulated correctly now
   - output to file is now enabled

Revision V1.2 (first public release)
------------------------------------
   - added menu with about/quit function
     added hotkey to toggle lpt activate function
   - added lpt support. File output not implemented yet.

Revision V1.1
-------------
   - added user interface

Revision V1.0
-------------
     --- Initial release ---
```