S3Host

COLLABORATORS

	TITLE : S3Host		
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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S3Host

1.1 S3Host.guide

                    S3Host
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   This document describes the use of the S3Host program, a utility to
simplify file transfers between Amiga and Psion S3 and S3a palmtop
computers.

   S3Host is (C) 1994 Oliver Wagner, All Rights Reserved.

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1.2 S3Host.guide/What is S3Host?

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What is S3Host?
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   S3Host is a utility which simplifies file transfers between Amiga
and Psion S3/S3a palmtop computers. It features:

```
Y-Modem-G
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     S3Host utilizies the Y-Modem-G protocol to minimize overhead and
     allow for batch transfers. Y-Modem-G is comparable to Z-Modem,
     but is more efficient on reliable links.

     Also, a Y-Modem-G driver is built into the S3's ROM, so you don't
     need any special software (and memory) on the S3 side.

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Automatic Send/Receive handling
```
     You don't need to worry about sending files - just drop them into
     the Send Listview. S3Host automatically detects when the S3
     terminal enters receive mode and starts sending files.

     Also, S3Host detects incoming files and starts receiving them into
     the predefined destination directory without any user interaction.

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ARexx
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     S3Host's ARexx port allows to write scripts for regularly done
     file transfers, for example to back up your database.

1.3 S3Host.guide/Requirements

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Requirements
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1. Amiga OS 2.04 or better
     S3Host has been tested on OS 2.04, OS 3.0 and OS 3.1 machines. You
     should always use the latest version of AmigaOS to improve your
     general system performance.

2. MUI 2.0 or better
     S3Host is a MUI application. MUI, the Magic User Interface, is
     (C) 1993 Stefan Stuntz.

     MUI isn't included in the S3Host distribution archive, but can be
     found on various FD disks, BBS's and FTP sites. If you don't know
     MUI, you should take a look at it, it is well worth the effort.

     Remember: MUI is Shareware. You should register if you use MUI
     applications on a regular basis.

3. Psion S3 or S3a palmtop computers
     It might work with HCs or MCs as well ;-)

4. 3-Link RS232 cable
     The PC version of the 3-Link cable is required, the Mac version
     won't properly connect to the Amiga.

5. Knowledge of the S3/S3a Comms Application
     If you're a S3 owner, you need to install the Comms application
     which is built into the 3-Link cable. The S3a has a special
     version of Comms build into it's ROM.

     You should carefully read the 3-Link manual to learn how to use the
     Comms application. Knowledge of it's scripting language may help
     you as well, but isn't required for normal operation.

1.4 S3Host.guide/Copyright

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Copyright
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   S3Host is Freeware and may be distributed in any form, as long as
the code and this manual are unchanged and both are included in the
distribution.

   If you like it so much that you want to spend money for it, don't
send it to me, but instead consider registering MUI, if you don't
already did so.

   If you have questions, suggestions or bug-reports, send them to
o.wagner@aworld.aworld.de. Public discussion of Psion related stuff
can be done in the newsgroup comp.sys.psion, or
comp.sys.amiga.applications for Amiga/Psion related discussions.

1.5 S3Host.guide/Installing S3Host

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Installing S3Host
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   The provided Installer script Install_S3Host will copy S3Host and
it's online documentation onto your harddisk.

   You must install MUI on your system before you can use S3Host.

1.6 S3Host.guide/Using S3Host

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Using S3Host
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   Using S3Host is quite simple.

  1. Configure the serial settings. Remember that 19200 bps is only
     supported on the S3a, not the S3.

   2. Start the terminal application on your S3 or S3a. Be sure to set
      it to the same serial settings as S3Host. Select Y-Modem-G as the
      file transfer protocol.

   3. Set S3Host to Online.

   4. Send files from the Amiga to the S3 by adding them to the send
      listview, or simply drop icons into the listview. Start the
      transfer by selecting Receive on the S3/S3a.

   5. Receive files from the S3 by first selecting the files with the S3
      terminal and then start the transfer by clicking on the Receive
      gadget. The Received Files listview will show up with all files
      received.

    You may abort the transfer at any time by setting S3Host to Offline.

1.7 S3Host.guide/ARexx

ARexx
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   S3Host features a ARexx port named "S3Host". Some of the commands
take arguments, which are indicated as standard shell templates.

Quit
     Quit causes S3Host to terminate. This is a builtin MUI command.

Hide
     Hide causes S3Host to iconify. This is a builtin MUI command.

Show
     Show causes S3Host to deiconify. This is a builtin MUI command.

Help File/A
     Writes a list of all ARexx commands support by S3Host to the file
     named File. This is a builtin MUI command.

Receive
     Receive forces S3Host to send a Receiver Ready character ('G') to
     the S3/S3a. If Comms is about to send files, this will start the
     transfer.

Send Files/M/A
     Puts the indicated files on the send list. Sending will be
     started if the remote machine (i.e. the S3/S3a) signals Receiver
     Ready.

     This command returns "0" if everything went ok, or "5" if one or
     more files don't exist.

Online

```
     Forces S3Host to go online.

Offline
     Forces S3Host to go offline. Any pending transfers will be
     aborted, and the serial driver is released.

IsOnline
     Checks whether S3Host is currently online.  Returns "0" for
     offline and "1" for online.
```

1.8   S3Host.guide/Acknowledgments

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Acknowledgments
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   Acknowledgments must go to the following people:

Stefan Stuntz
     for providing AmigaOS with the most sophisticated object oriented
     User Interface of all current computer platforms:  MUI.  Without
     the existance of MUI, S3Host wouldn't have been written.

Sandro Paolini, Holger Lubitz
     for beta-testing.

Matthias Hölscher of Psion GmbH, Germany
     for providing helpful development support.

Reinhard Spisser and Sebastiano Vigna
     for creating MakeInfo for AmigaOS

Psion UK. Ltd.
     for creating the first really usable palmtop computer ever:  The
     Series 3.  Too bad that they still don't support AmigaOS, because
     the S3 and the Amiga are a great team for all your computing needs
     ;-)

SAS Inc.
     for providing and maintaining the great SAS/C development package.
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1.9   S3Host.guide/Index

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ARexx