

STFax

Simone Tellini

COLLABORATORS

	<i>TITLE :</i> STFax		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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Chapter 1

STFax

1.1 STFax User's Manual

STFax User's Manual

Introduction

When, Where, Why, Who, Which :)

Disclaimer

This software is provided "AS-IS"...

Copyright

Read this!

Acknowledgments

Some boring notes

Credits

My thanks go to...

Registering

REALLY IMPORTANT!

STFax's Author

How to get in touch with me

FAQs

Frequently Asked Questions

Solving troubles

Something doesn't work...

Bug Reports

What to do if...

Starting up

Miscellaneous info about STFax

The main window

STFax's Menu

Viewer Menu

ARexx commands

History

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1.2 Introduction to STFax

It all began almost an year ago, when for the first time I needed to send a fax... "Well", I said, "I've got a fax modem, I can send it from home...".

Unfortunately I had no fax software: the ones provided with the modem were just for MS-Dos and Windows, as usual.

So I started looking around for fax programs for my Amiga: there were only two commercial packages, but as I'm almost always out-of-money, I thought it was a good idea to look in the shareware before.

I did, but with no luck: I just saw a couple of programs, one worst than the other.

Thus, I sat down and began to type...

I tried to put in STFax all the functions I thought I would need, like:

- Nice, handy user interface
- Phonebook
- Scheduler
- Reports
- ARexx port
- Datatypes support for image conversion
- On-line help
- Printer driver to redirect all print-outs to a fax file

and so on...

1.3 Disclaimer

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1.4 Copyright And Distribution

STFax © 1996-97 by Simone Tellini

Written by:

Simone Tellini
Piazza Resistenza 2
42016 Guastalla RE
ITALY

regtools.library is © copyright 1992-1994 Nico François
1995 Magnus Holmgren

STFax is (C) 96 by Simone Tellini. This program is SHAREWARE: if you use it, you should

send me

your registration fee; in that way you will become a registered user, you'll receive the keyfile for the program and will be able to use STFax without any limitations. Supporting shareware is very important, you like good programs at a very low price, don't you? ;-)

This program may be freely distributed provided that all files are included in the distribution without any modifications. You may NOT charge more than Fred Fish does for a single library disk.

This program may not be uploaded on BBS's that claim copyrights on the uploaded material.

The key file for STFax is strictly personal and is NOT distributable in any way, only a backup copy for the registered user is allowed.

Commercial distribution of STFax and/or its relative files is NOT allowed without written permission from the author. This also means the distribution on cover disks, disk magazines etc.

I'll be glad to give the permission to insert this program on disk magazines or cover disks if I receive a copy of it. Write

me

for details.

1.5 Acknowledgements

The class 2 documentation I've used to create STFax was:

```
SUPRA TECHNICAL SUPPORT BULLETIN
CLASS 2 FAX COMMANDS FOR SUPRA FAXMODEMS
6/19/92
```

Very interesting was also the "QUICK TUTORIAL ON FAX COMMANDS AND ODDITIES" in the BGFax manual.

Some code of STFax derived from other programs' sources. These copyrights apply:

```
/* g3topbm.c - read a Group 3 FAX file and produce a portable bitmap
**
** Copyright (C) 1989 by Paul Haeberli <paul@manray.sgi.com>.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/
```

```
/* gdevdfax.c
*
* DigiBoard, Inc. DigiFAX driver for Ghostscript.
*
* Copyright 1992 DigiBoard, Inc. All rights reserved
*
* Permission to use, copy, modify, and distribute this software and its
* documentation for any purpose and without fee is hereby granted.
* This software is provided "as is" without express or implied warranty.
*/
```

```
/* t.30.h
*
* Copyright (c) 1990-1996 Sam Leffler
* Copyright (c) 1991-1996 Silicon Graphics, Inc.
* HylaFAX is a trademark of Silicon Graphics
*
* Permission to use, copy, modify, distribute, and sell this software and
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* LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE
* OF THIS SOFTWARE.
*/
```

1.6 Credits

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 - the authors of the icons used: they were all taken from PD sources
 - all those who sent me suggestions and comments on STFax
 - all the registered users :-)
 - ...and all those who will register :^)
-

1.7 How to register STFax

I've put a big effort in making STFax: more than two years of development. ↔

So I think it's quite fair to ask you to pay something in order to be able to fully use it.

Once you register, you'll get a special and personal key file which will let you use STFax without any restriction.

Minor upgrades are free. I may charge you a small fee for major upgrades.

To register, you need to fill the order form and send me it along with your registration fee, according to this table:

Country	Fee	Methods of payment
Italy	LIT 45.000	Contanti, vaglia o assegno
Europe	LIT 50.000	Cash, postal money order, EuroCheques
Rest of the world	US \$ 35	Cash, postal money order

Any other form of payment will NOT be accepted. Please note that unwanted cheques are destroyed, not returned.

If you have an Internet account, you can receive your key in a PGP encrypted message: just send to my email address your PGP public key. The key file will be shipped only via encrypted mail.

1.8 STFax's Author

Send comments, donations, gifts and your registration fees to:

Simone Tellini
Piazza Resistenza 2
42016 Guastalla RE
ITALY

You can reach me also via electronic mail:

Internet: wiz@pragmanet.it
Fidonet: 2:332/502.18 (Simone Tellini)

I've also got a WWW page:

<http://www.pragmanet.it/~tellini/main.html>

Last but not least, now there's a support mailing list for STFax. To join it, send an E-Mail to <listserver@pragmanet.it> with this line in the body:

```
subscribe STFax
```

The messages for the mailing list should be addressed to <STFax@pragmanet.it>.

1.9 STFax Frequently Asked Questions

Q: Why the faxes I send with STFax appears very small after the transmission? ↔

A: The resolution of a fax is very high. A typical fax in fine resolution is about 1728 x 2000 pixels. So you should use a quite big font to create the faxes. I use a Times 45, for example. If you create your faxes with Wordworth, FinalWriter or whatever and the printer driver of STFax, you won't have this problem.

Q: I've got an US Robotics modem and STFax complains of an "Unknown error" when sending a fax. How can I avoid this?

A: Most of USR modems have a defective Class 2.0 chip. You can try to avoid this kind of problems using the MAX9600 ToolType or CLI argument. This will force STFax not to use a speed higher than 9600 baud, which is more reliable. If this don't work, add the CLASS1 argument too.

Q: I cannot receive faxes: STFax hangs up or crashes. Can you help me?

A: Check the following:

```
The Fax In directory you specified in
  Preferences/Paths...
  exists.
```

```
Your modem is not in auto answer mode (usually S0 different from 0).
If so, add S0=0 to your
  init string
  . If you want STFax to
automatically answer to incoming calls check the Auto Answer gadget
in
  Preferences/Misc...
```

Q: The viewer doesn't work well on CyberGraphics screens, it shows some garbage. Why? ↔

A: It is a bug of CyberCraphics. Set an AGA screen for the viewer

NOTE: I should have fixed this ;)

Q: The printer driver works bad with Wordworth/FinalWriter/xxx... How can I improve the print out?

A: Check your program's print setup: set the paper type to "Continuous" (or something...).

Q: I've got a 28.8 modem, but STFax reports a speed of 9600 when sending or receiving a fax. Shouldn't it go faster?

A: No. Fax transmissions follow a fixed standard, which allows the speed to be one of these:

2400, 4800, 7200, 9600, 12000, 14400

The speed is set by the two fax machines during the handshake. Please note that many fax machines can not use a speed higher than 9600.

Q: STFax hangs up misteriously during a transmission. What could be the cause?

A: Check the serial port speed. If it's different from 19200, then set it to 19200 and try again. If still it doesn't work, read the next Q & A... ;-)

Q: STFax doesn't behave correctly during a fax transmission. What should I do?

A: Check the configuration of your modem. If it still doesn't work go to the

Miscellaneous Prefs

requester and set the log level to Debug.

Then, save the prefs, quit and reload STFax. Try to send (or receive) again the fax and send me the file STFax:STFax.log. This way I can see what went wrong and possibly tell you how to correct your configuration.

Q: The left side of the fax I send doesn't appear when the fax has been received. Why? What can I do to avoid this?

A: Normal fax machines (not faxmodems) cannot print the first columns of a standard size (1728 pixels wide) fax.
Thus, you'll have to increase the Left Margin in the

Fax Preferences
.

1.10 Something doesn't work...

Hmmm... something doesn't work... you can't send or receive
faxes? you
can't use the printer driver? ←

Ok, then, this is what you need to do:

1. Check your modem configuration carefully.
2. Please visit STFax WWW page and read the
FAQs section
(<http://www.pragmanet.it/~tellini/STFax/STFax.html>). There ←
you can
find an up-to-date list of answers to the most frequently asked
questions.
3. Try explaining your problem in the
STFax mailing list
.
4. Ok, maybe you found a bug :^). Read the
Bug Reports
chapter.

1.11 Bug Reports

If you discover a bug, be it little or huge, please
send me
an E-Mail.

Don't think that I know it already, send a message.

Try to be specific and describe me how to reproduce the bug (whenever it's
possible).

When you send me your bug report, please include the file STFax:STFax.log,
created setting the
log level
to DEBUG. Don't send in a log of 2
gigabytes, just send the log of the session in which the bug showed up,
ok? ;)

1.12 Starting up

This is the template of STFax:

FAX,PUBSCREEN/K,ICONIFIED/S,DEVICE/K,UNIT/N/K,BAUD/N/K,SHARED/S,

NOINIT/S, NOPDREQ/S, CLASS1/S, MAX9600/S, ANSWERHOOK/K, SPARESERIAL/S,
CONFIG/K

- FAX tells STFax to load the fax specified.
- * PUBSCREEN can be used to open STFax on a public screen of your choice.
- * ICONIFIED starts STFax without opening its window.
- * DEVICE serial device to use
- * UNIT unit of the device
- BAUD speed of the serial port
- * SHARED open the serial in shared mode
- NOINIT STFax won't initialise the modem on startup. Useful when you start STFax when the connection is already up.
- * NOPDREQ The printer driver won't ask you for the filename of outgoing faxes, but it'll put them in your FaxOut directory calling the files 'Fax_nnnn.stf'.
- * CLASS1 This will force STFax to use Class 1 (when available). Use it with modems like some US Robotics which doesn't work in a reliable way in Class 2.0 mode.
- * MAX9600 This will force STFax not to use a speed higher than 9600 baud during fax transmissions. You can use it if STFax reports some "Unknown errors" while sending a fax with USR modems (see the FAQs).
- Moreover, you should use it if you have a Class 1 modem (or if you use the CLASS1 switch) and do not have a powerful CPU. In fact, as Class 1 requires much CPU power, the modem could lose some characters with small CPUs and thus STFax would report some unknown errors.
- * ANSWERHOOK This is the name of an ARexx script to start whenever STFax receives a document. It can be useful to perform automatically some operations on the received fax.
- * SPARESERIAL This forces STFax to open the serial device just when it needs to send or receive a fax. It can be useful if you have installed the OwnDevUnit.library and have a program like a mailer that always keeps the serial port busy.
NOTE: if you specify this parameter, STFax won't be able to receive automatically incoming faxes.
- * CONFIG Name of the prefs file to use.

The arguments marked with a '*' are also available as ToolTypes.

Other ToolTypes are:

CHECKDSR STFax will check the DSR when you start it. If it doesn't find it, it will show the error requester "DSR not found".

The main window of STFax (when opened on the Workbench) is an AppWindow: you can drag'n'drop the icon of a fax file on it to load it.

1.13 The main window

The main window of STFax will look like this:

```

Printer Driver

Edit Fax
View Fax

Transmit
Receive

Scheduler
View Reports
_____
|_____|
|_____|
|_____| Unseen faxes

```

1.14 STFax Printer Driver

Using this gadget you can activate/deactivate the printer driver ↔ of STFax.

This is a special driver that converts into a fax file what is sent to the printer.

Thus you can convert into a fax any document created with a program that let you print it, e.g. WordProcessors, Spreadsheets...

So far, the driver is not guaranteed to work with all the programs: if you have some troubles with it, please report it to me, specifying which program have you tried it with and which are the results.

1.15 Edit a fax

When editing a fax, a window will appear with these gadgets in it:

Pages	In these listview you can see the pages of the fax. Selecting a page, the following four gadgets will be enabled.
View	View the selected page.
Delete	Remove the selected page.
Move Up Move Down	Move the selected page up or down. These gadgets will let you rearrange the page order of the document you're editing. To make the changes permanent you need to save the fax.
From image...	This will open a file requester to select a picture file. Then the image will be converted in the fax format and a new page will be appended to the document. STFax can convert any kind of image into a fax, provided that you have the right datatype installed. If you can't use datatypes, you can convert only IFF-ILBM images.
From text...	This will open a file requester to select a text to convert into a fax. See Fax preferences for the options you can set for the conversion. STFax also supports ANSI sequences, like bold, underline, italic...
Edit	If you want to enter the text for the fax in a quick way, this gadget is for you. It will open the editor configured in the Misc preferences requester and convert into a fax what you write. You can abort the conversion quitting the editor without saving the text.

1.16 View

This will open the viewer window.

From here you can print the fax or save it as an IFF-ILBM picture.

See the

Viewer Menus
for more info.

1.17 Transmit

This will open a small requester with these gadgets inside it:

- | | |
|------------|--|
| Send to | Insert here the number to which send the fax. You can use the 'R' gadget next to this one to open a requester with the phone numbers stored in your phonebook
. Then, you can select one or more of them: if you select more than 1 number, the gadget "Send to" will appear ghosted and the fax will be sent to each of those numbers. |
| Make Cover | Selecting this gadget, a cover page will be sent before your fax. |
| Send Now | This tells STFax to send immediately the fax. |
| Schedule | This lets you add the current fax to the scheduling queue. To schedule a fax, it needs to be saved on disk: if it has not been saved yet, STFax will save it in the |
| Out dir | with the name "Fax_X.stf", with a progressive number instead of the 'X'. |
| Cancel | Abort the operation. |

1.18 Receive

This tells the modem to answer to an incoming call. You can use \leftrightarrow it when the autoanswer is switched off or if you want to receive a document while already on line: e.g. if you were speaking on the phone with someone and you need to receive a fax from him.

The incoming fax is stored in the directory you setup as Fax In directory in the Misc prefs requester.

The fax will be called "Fax_X.stf", with a progressive number instead of the 'X'.

1.19 Scheduler

Using the scheduler you can program STFax to send a fax at a specific hour.

The scheduler window contains a listview in which you can see the active

scheduling queue: double-clicking on a item, you can edit it.

The other gadgets are:

- | | |
|-------------|---|
| Add | This will open a small requester with which you can set which fax to send and at what time and day it will be sent. |
| Remove | This will remove a scheduled event from the queue. |
| Change time | This will let you edit a scheduled event. |

1.20 View Reports

Here you can view all the faxes that you have sent or received or \leftrightarrow that are in the scheduling queue and also those that couldn't been sent.

At the top of the window there's a cycle gadget: use it to cycle through the various lists:

```
Sent
,
Received
,
Scheduled
and Failed.
```

In the listview you can see some data regarding the faxes: date and time of transmission, duration of the transmit session, number of the remote modem and name of the fax file.

Double-clicking on a fax you can view it. If the selected list is "Scheduled", with a double-click you can edit the scheduled fax data.

At the bottom of the window, there are these gadgets:

- | | |
|-----------|--|
| Remove | This will remove the selected item from the list. |
| Resend | This can be used if you want to send again the selected fax. See the Send chapter for more info. |
| Print | This will print the list you're looking at. |
| Free List | This will empty the selected list. |

1.21 The menus of STFax

These are the menus of STFax:

Project

- About...
- New
- Open...
- Append...
- Save
- Save as...
- Print...
- Iconify
- Quit
 - Fax
- Edit...
- Transmit...
- Receive...
- Poll...
- View Reports...
- Scheduler...
 - Preferences
- Fax...
- Modem...
- Strings...
- Misc...
- Paths...
- External programs...
 - Viewer Screen
- Use main screen
- Change...
- Timeouts...
- Phonebook...

Open...

Save

Save As...

1.22 Project/About...

Try it... :-)

1.23 Project/New...

This will free the fax in memory (if there's one). If the fax has not been saved yet, you will be asked if you want to save it or continue without saving.

1.24 Project/Open...

This will open a file requester to select a fax file to load.

1.25 Project/Append...

This will append a fax to the one currently in memory. It can be useful to join two (or more) parts of a fax whose transmission had some problems.

1.26 Project/Save...

This will save the current fax. If the fax has not been saved before, you will have to enter the name of the file.

1.27 Project/Save as...

Save the current fax in the file you select via the file requester.

1.28 Project/Print...

Prints the current fax (if there's a fax in memory).

1.29 Project/Iconify

Iconifies STFax.

When iconified, STFax will still handle incoming calls, the scheduler queue and the ARexx commands.

1.30 Project/Quit

Quit STFax.

If the current fax has not been saved, you will be asked what to do: if save & quit, quit without saving or cancel the action.

1.31 Fax/Poll...

This will let you poll a fax, i.e. to call a fax machine with a document waiting for you and get it.

Not all the modems support polling, for example my Trust AE1414 don't. :-| STFax will inform you in the case that your modem cannot poll.

After you select this menu item, you'll have to enter the fax number to call. STFax will then dial that number and receive the document that's waiting for you, if any.

1.32 Preferences/Fax...

You can set several things regarding your faxes aspect.

In the fax preferences requester you will find these gadgets:

Company Insert your name or company. This will be used in the fax cover.

Fax # Insert here your fax number. This number is the ID of your machine. You can enter anything you want, but please remember that not all characters are allowed, according to the fax standard. Allowed characters are digits 0-9, + and the space.

Examples:

+39 522 123456	OK
+39-522-123456	Not defined
HELLO WORLD	Not defined

You should never have troubles even with no defined sequences, but if a fax machine misteriously hangs up to your calls, check that this number is ok.

Phone #	Insert here your phone number.
LetterHead	Here you can insert the name of an image or ASCII file that STFax will put in the top of every page.
Signature	Same as LetterHead, but this will be put at the bottom of every page.
Text Font	The font to be used when converting ASCII files into a fax. I suggest you to use a quite large font.
Margins Left Right	These are the margins used to layout the text while converting it. They are expressed in characters.
Paginate	If selected STFax will create a new page every tot lines, depending of what you've entered in the following gadget. Otherwise, STFax will create a single page. Please note that if create a very long page, probably you won't be able to view it due to lack of memory.
Lines	Number of lines per page.
Fine Resolution	If checked, STFax will create fax in Fine Resolution. Note that you need a quite big font (height >= 24) to create fax in fine resolution, otherwise the characters will appear very small at the other end.

1.33 Preferences/Modem...

In this requester you can set all the parameters regarding the modem handling.

Device	Serial device to use.
Unit	Unit of the serial device. If you don't own a multiport card, this will probably be 0.
Baud	Speed of the serial port. The default value (19200) should be ok for most people. If you want to change it, please check the manual of your modem: in fact, you cannot enter any value you wish, but only a baud rate supported by your modem. If you enter a wrong value, you should see the message "Modem not responding" when clicking on the "Ok" gadget. Then you'll have to switch your modem off, then on again, change the baud rate with a good value and click again on the "Ok" gadget.
Rings	Number of rings to wait for before answering.

Shared	If selected, the serial port will be opened in shared mode. Use this gadget if you need to share the serial port among more than one program, for example, between STFax and a mailer.
Retry	Minimum number of attempts STFax should do when sending a fax.
Redial Delay	Delay between two attempts.
Init	Init string for your modem.
Dial Mode	This tells STFax if it should call in tone or pulse mode. If you can, you'd better use tone mode.
Dial Prefix	Prefix to use in the dial command. For example, if you need to use the command "ATD0Wnnnn" to dial the number "nnnn", insert "0W" here.

1.34 Preferences/Strings...

In this requester you can set the strings that are used by your modem to communicate the events to the program.

You should change these strings only in the case that you own a very exotic modem.

1.35 Preferences/Misc...

Auto Answer	If checked, STFax will automatically answer the phone when it detects an incoming call. STFax will wait until the number of rings set in the modem preferences requester are detected.
Quiet Modem	Selecting this, STFax will set the modem speaker off.
Silent Answer	This will activate (if your modem support it) the Silent Answer feature, that means that STFax will answer only to fax or data calls, but it won't answer to voice calls, leaving your telephone ring.
Make Icons	If checked, STFax will create an icon for the faxes it saves.
Close = Iconify	If checked, the close gadget of STFax's main window will cause STFax to be iconified, not quitted.

Auto Print	If checked, STFax will automatically print the incoming faxes.
Mode	You have two options: FAX/DATA or ONLY FAX. In the first mode, STFax will spawn the external program set in the External programs requester when a data call is detected. Instead, in the ONLY FAX mode, STFax will send out the text saved in the file STFax:NoData.txt when a data call is detected and then it will hang up. If the file doesn't exist, it will only hang up.
Log	Here you can set the logging level. Higher the level is, more the informations put in the log file (STFax:STFax.log) are. NOTE: "Debug" level is the highest and if you have troubles with STFax, you should send me the log produced with this level along with your bug report.

1.36 Preferences/Paths...

Fax In	Directory in which STFax will store the received fax. ↔
Fax Out	Directory in which STFax will store the outgoing faxes.
Images	Default directory for the "From image..." button in the Edit fax window.
Texts	Default directory for the "From text..." button in the Edit fax window.

1.37 Preferences/Viewer Screen/Use main screen...

If this item is set, the faxes will be displayed on the same screen of STFax main window.

1.38 Preferences/Viewer Screen/Change...

This lets you select a new screen on which STFax should display the faxes.

A good resolution is the PAL Super Hi-Res Lace with 2 colors (the faxes are in black and white, so more colors are useless).

1.39 Preferences/External Programs...

Editor This is the command line used by \leftrightarrow
STFax to

invoke the editor when needed. "%s" is replaced by the name (and the path) of the file to edit. NOTE: the editor should not detach itself from the parent process! So, if you use such an editor (like CygnusEd), you should put the right parameter in the command line to prevent it from detaching itself. For example, if you use CygnusEd, you should use a command line like:

```
Ced %s -keepio
```

Or if you use GoldEd:

```
Ed %s STICKY
```

Data Call
Voice Call

Here you can set the external programs that STFax will spawn when a data or voice call is detected.

To be able to use these feature, you should set both STFax and the external program to open the serial device in shared mode

STFax expects the hang up to be done by the external program.

You can use these symbols in the command line:

%d	Serial device to use
%u	Device unit
%b	Baud rate of the serial port
%f	Flags of the serial port
%c	Connection baud rate

1.40 Preferences/Timeouts...

With this requester you can configure the timeouts that STFax uses in the modem handling.

The default values should be fine to you, anyway if your modem behaves differently, you can change them.

Above all, the Connect and Answer timeouts are the most subjected to changes.

NOTE WELL: the "Modem" timeout is a bit special. It is the delay inserted by STFax between two consecutive commands to the modem and it is expressed in 1/50th of second. You can set it to 0 if your modem is able to handle incoming commands at full speed, otherwise try increasing it. You should increase it if you notice that STFax tries to reset the modem many times when you load it and keeps the busy pointer too much...

1.41 Preferences/AppIcon position...

This menu will let you choose in an easy way where to put the AppIcon used by STFax.

After selecting it, a small window will open: move it where you wish the icon to be and then close it.

1.42 Preferences/Phonebook...

A fax program without a phonebook is not very comfortable, at least in my opinion, so here it is. :-)

Phonebook Entries	In this listview you can see the numbers stored in your phonebook. Double-clicking on one item, you can edit it (see below for a description of the edit requester). You can select more than one item at once, clicking on the item you want to select while pressing the SHIFT key.
New	Adds a new item to the phonebook.
Delete	Remove the selected entries from the list.
Select All	Select all the items.
Deselect All	Deselect all the items.
Edit	Edit the selected items. You can achieve the same result by double clicking on one item.

Sort	Sort the entries in alphabetic order.
Load	Load a new phonebook into memory. If you
save	the prefs, that phonebook will be ← used by default.
Save	Save the phonebook.

When editing an entries, a requester with these gadgets will appear:

Name	Name of the person/company.
Number	Fax number.
Note	Anything you want.
Make Cover	If checked, when you
send	a fax to that person the "Make Cover" function will be automatically activated.
ATTN	Person to whom the fax should be addressed.
LetterHead	If this is not checked, the global preference set in the Fax prefs requester will be used. If checked, the file you specify here will be used when sending faxes to this person. You can leave the gadget empty not to use any letterhead.
Signature	Same function as LetterHead.

1.43 Preferences/Open...

Load a prefs file.

1.44 Preferences/Save

Save the current configuration to the current prefs file.

The position of the main window is saved too, so you can place it where you like it most on your desktop, without having to move it every time.

1.45 Preferences/Save As...

Save the current configuration to a new prefs file.

1.46 Menus of the viewer

```
    Fax
    Save IFF...
    Print...
    Close
      View
    Invert
    Rotate +90\textdegree{}
    Rotate -90\textdegree{}
    Flip Vertically
    Flip Horizontally
    Next page
    Previous page
    Go to page...
    Scale
      1:1
    1:2
    1:4
```

1.47 Fax/Save IFF...

This will open a file requester to select where to save the fax.

Then the current page will be saved as IFF-ILBM picture.

1.48 Fax/Print...

This will print the current page.

1.49 Fax/Close

This will close the viewer.

1.50 View/Invert

This will invert the colors of the fax.

1.51 View/Rotate +90°

This will rotate the fax of 90 degrees clockwise.

1.52 View/Rotate -90°

This will rotate the fax 90 degrees anti-clockwise.

1.53 View/Flip vertically

This will flip the fax vertically. It's useful if you received the fax upside-down.

1.54 View/Flip horizontally

This will flip the fax horizontally.

1.55 View/Next page

This will show the next page, if it exists.

1.56 View/Previous page

This will show the previous page.

1.57 View/Go to page...

This will ask you to enter the number of the page you want to see.

1.58 Scale

In this menu you can select the scale to use to view the fax.

1.59 STFax ARexx commands

STFax has got an ARexx interface. It's port is called 'STFAX.1'.

These are the commands available in the current version:

```
ADDIMAGE
ADDTEXT
AUTOANSWER
DEVICE
GETLASTRECEIVED
INITMODEM
NEW
OPEN
PBENTRY
PRINT
PRTRIVER
QUIT
RECEIVE
SAVE
SAVEAS
SCHEDULE
SEND
VIEW
```

1.60 ADDIMAGE

```
TEMPLATE
ADDIMAGE FILE/A
```

FUNCTION

Add a new page to the fax converting it from an image.

INPUTS

FILE/A image to add

1.61 ADDTEXT

TEMPLATE

ADDIMAGE FILE/A

FUNCTION

Convert a text to fax.

INPUTS

FILE/A text file to convert

1.62 AUTOANSWER

TEMPLATE

AUTOANSWER ON/S,OFF/S

FUNCTION

Turns the Auto Answer on or off.

INPUTS

ON/S to turn the auto answer on
OFF/S to turn it off

NOTES

If neither ON nor OFF are specified, nothing happens.
IF both ON and OFF are specified, the AutoAnswer is turned OFF.

1.63 DEVICE

TEMPLATE

DEVICE NAME/A,UNIT/N/A,FLAGS/N/K,BAUD/N/K

FUNCTION

Set the serial device used by STFax.

INPUTS

NAME/A name of the device

UNIT/N/A unit of the device

FLAGS/N/K flags of the serial port. Currently not used.

BAUD/N/K speed of the serial port. If this is not specified, the speed set in Modem prefs will be used.

RETURNS

0 No errors
20 Couldn't open the device

1.64 GETLASTRECEIVED

TEMPLATE

GETLASTRECEIVED

FUNCTION

Returns the file name of the last received fax.

NOTES

If no faxes have been received since STFax start, this will return an empty string.

1.65 INITMODEM

TEMPLATE

INITMODEM

FUNCTION

Forces STFax to initialize the modem.

1.66 NEW

TEMPLATE

NEW FORCE/S

FUNCTION

Remove the current fax from memory.

INPUTS

FORCE/S if specified, the fax will be discarded even if it has not been saved yet. Otherwise, the user will be asked whether STFax should proceed or not.

RESULT

0 No errors
5 The fax was not removed from memory

1.67 OPEN

TEMPLATE
 OPEN FILE/A

FUNCTION
 OPEN will load the specified fax into STFax.

INPUTS
 FILE/A name of the file to load

RETURNS
 0 no errors
 20 the fax couldn't be open

1.68 PBENTRY

TEMPLATE
 PBENTRY NAME/A, NUMBER/K, NOTE/K, COVER/S, ATTN/K,
 LETTERHEAD/K, SIGNATURE/K, DELETE/S

FUNCTION
 Edit a phonebook entry. If the entry doesn't exist, it'll be added to the phonebook, otherwise its data will be updated.

INPUTS
 NAME/A Name of the user
 NUMBER/K Fax number
 NOTE/K Note
 COVER/S If specified, a cover will be made by default for this user.
 ATTN/K ATTN field
 LETTERHEAD/K If specified, it will override the default letterhead.
 SIGNATURE/K If specified, it will override the default signature.
 DELETE/S If specified, the entry will be removed from the phonebook.

RESULT
 20 If the entry couldn't be added
 0 If all went OK.

1.69 PRINT

TEMPLATE

PRINT

FUNCTION

Prints the current fax (if there's a fax in memory).

1.70 PRTDRIVER

TEMPLATE

PRTDRIVER ON/S,OFF/S

FUNCTION

Turns the printer driver of STFax on or off.

INPUTS

ON/S to turn the printer driver on
OFF/S to turn it off

NOTES

If neither ON nor OFF are specified, nothing happens.
IF both ON and OFF are specified, the driver is turned OFF.

1.71 QUIT

TEMPLATE

QUIT

FUNCTION

Make STFax quit. If the current fax has not been saved yet, the user will be asked to confirm the action.

1.72 RECEIVE

TEMPLATE

RECEIVE FAXCLASS/N,NOANSWER/S

FUNCTION

Tells STFax to start the reception of a fax.

INPUTS

FAXCLASS/N FaxClass to use. These are the available classes:

0	Class 1
1	Class 2
2	Class 2.0

NOANSWER/S Tells STFax not to answer. This should be used when the call has already been answered, e.g. from a Fidonet mailer.

RESULT

0 No errors
20 Illegal class specified

1.73 SAVE

TEMPLATE

SAVE

FUNCTION

Will save the current fax. If the fax has not been saved yet, a file requester will pop up to choose the name of the file.

1.74 SAVEAS

TEMPLATE

SAVEAS FILE

FUNCTION

Save the fax.

INPUTS

FILE name of the file to save the fax in. If it is not specified, a requester will pop up.

1.75 SCHEDULE

TEMPLATE

SCHEDULE FAX/A, TO/K/A, PHONEBOOK/S, DATE/K/A, TIME/K/A

FUNCTION

Add a fax to the scheduler queue.

INPUTS

FAX/A Name of the fax file to send

TO/K/A Destination number

PHONEBOOK/S If specified, the TO parameter specifies the name of a phonebook entry.

DATE/K/A Date in which the fax should be sent.

Format: dd-mm-yy

TIME/K/A Time in which the fax should be sent.
Format: hh:mm:ss

RESULT

0 no errors

5 One of the argument was wrong

EXAMPLE

SCHEDULE "STFax:Fax_Out/Test.stf" TO "123456"
DATE "14-06-97" TIME "15:02:00"

1.76 SEND

TEMPLATE

SEND NUMBER/A,PHONEBOOK/S

FUNCTION

Sends the current fax to the specified number. Note that this command won't have any effect if there's no fax in memory.

INPUTS

NUMBER/A number to send the fax to.

PHONEBOOK/S if specified, NUMBER is taken as a name of a
PhoneBook
entry.

RESULT

0 if the fax was sent successfully

10 if the transmission failed

1.77 VIEW

TEMPLATE

VIEW PAGE/N

FUNCTION

View the current fax. This command won't have any result if there's no fax in memory.

INPUTS

PAGE/N Number of the page to show. The default is the first page.

RESULT

0 no errors

10 if the page number was greater than the number

of the pages of the fax.

1.78 STFax History

STFax History

- 2.87 11/07/97
- The position of the AppIcon can be set by the user.
 - Fixed the 'stripes' problem of some Class 1 modems.
 - Faxes can be transmitted even if the connection is already up (for example, if you call someone or receive a voice call).
 - Added an edit hook to Date and Time gadgets in the scheduler requester.
 - Support for 24 bits IFF images (OS 3.0+)
 - Images can be scaled when converting them to fax.
 - Removed Enforcer Hit when switching to 1:1 scale in the viewer.
 - Improved the behaviour of the scheduler.
 - New timeout: Requesters.
 - Swapped the rotation verse of the Rotate ± 90 function of the viewer to make it consistent with other programs.
 - Minor bugs fixed.
- 2.41 27/06/97
- STFax is a commodity.
 - When iconified, the text of the icon will show the number of unseen faxes.
 - Support for multiple prefs files.
 - Sending faxes with Class 1 modems should now be more reliable.
 - Fixed bug: some modems would not dial if log wasn't set to Debug, since I forgot a couple of delays.
 - Minor bugs fixed.
- 2.17 13/06/97
- GP2STFax
 - OwnDevUnit.library support.
 - New argument and ToolType: SPARESERIAL.
 - Fixed a little bug in the Viewer menus.
 - Changed the way the viewer blits the fax image, thus possibly solving the problems STFax had with CyberGraphX (and just because of a Cgfx v2 bug ;-)
- 2.0 09/06/97
- STFax supports Class 1 fax-modems.
 - New arguments and ToolTypes: NOPDREQ, MAX9600, CLASS1, ANSWERHOOK.
 - New ARexx commands: AUTOANSWER, GETLASTRECEIVED, INITMODEM.
 - New formatting code for external programs: %c
-

- STFax puts a "From" line (with date and time of transmission) at the top of every page sent.
 - STFax works with TKR 1414 (or Aceex) modems.
 - The viewer can rotate the fax of $\backslash\text{ensuremath}\{\backslash\text{pm}\}90\backslash \leftrightarrow \text{textdegree}\{\}$.
 - When you receive a fax, the remote id will be put in the comment of the fax file.
 - Fixed a bug that could cause crashes when Auto Answer was on STFax could not open the serial device or the modem was turned off.
 - Minor bugs fixed.
- 1.360 29/04/97 - Fixed a silly bug in the ASCII encoder.
- 1.358 27/04/97 - Added the modem init string requester.
- New feature: Fax Polling.
- If STFax is in memory when you print something to the STFax printer driver, the document you print will be directly loaded into STFax and you'll be asked to whom to send it.
- New menu: "Preferences/Paths..."
- Moved the "Editor" setting from "Preferences/Misc..." to "/External programs"
- Removed some Enforcer Hits when using the ICONIFIED argument or ToolType.
- STFax ignores the "RINGING" string (not standard) sent by some modems when dialing a number.
- Minor bugs fixed.
- NewIcons by Luca Longone
- 1.302 25/03/97 - New ARexx commands: ADDIMAGE, ADDTEXT, NEW, SCHEDULE.
- New menu: "Project/Append..."
- New viewer menu: "View/Go to page..."
- New timeout: "Modem"
- Added a dithering routine when converting an image.
- Improved the ASCII converter.
- Added a fax filename display.
- Fixed a bug in the fax encoder.
- Improved the printer driver.
- Minor changes here and there.
- Multi2STFax by Manfred Matzinger.
- 1.188 20/02/97 - Restored the old backfilling method for the requesters.
- 1.187 17/02/97 - Unseen faxes counter.
- New report type: "Unseen".
- New ARexx command: PBENTRY.
- Fine Resolution can now be turned off.
- STFax releases the lock on the screen when it is iconified.
- Enlarged the compatibility with Class 2
-

- modems.
 - STFax should work on modem like Zyxel ones, that have both class 2 and 2.0 (class 2 is selected).
 - When iconified, STFax uses the icon the user chose for the program itself.
 - Fixed two Enforcer Hits in the printer driver.
 - Fixed a bug that caused STFax to crash if you turn the modem off when answering.
 - Fixed bug: STFax crashed when printing a multi-page fax.
 - Minor bugs fixed.
- 1.133 21/01/97
- New datatype feature: if the fax you're loading has got more than 1 page, you'll be asked to select the one you want to see.
 - Fixed a bug that caused STFax to hang up randomly when trying to send a fax.
 - Italian docs by Andrea Trevisan.
- 1.129 19/01/97
- New feature: Silent Answer.
 - New setting: Dial Prefix.
 - STFax.datatype
 - STFax's version is now displayed in the About requester.
 - Removed the DSR check since it didn't work with many modem configs. However, it can be turned on with the "CHECKDSR" ToolType.
 - When no fax has been loaded and you select a function like "View Fax", an ASL requester appears to select the file.
 - The viewer uses the full screen size.
 - The viewer uses less memory than the previous versions.
 - Added the close gadget to most requesters.
 - STFax disables automatically its printer driver when it need to print.
 - The printer driver puts the screen on which it opens its requester on front.
 - The printer driver uses the page size set in the system prefs or by the program that starts the print.
 - Probably removed a bug in the printer driver which sometimes caused it to enter neverending loops.
 - Fixed bug: AutoPrint was malfunctioning.
 - Minor bugs fixed.
- 1.108 06/01/97
- New report type: "All"
 - New CLI options: DEVICE, UNIT, BAUD, SHARED
 - New ToolTypes: DEVICE, UNIT, SHARED
 - Removed incompatibility with AmigaGuide library version 34.
- 1.99 04/01/97
- New menu: "Project/Print..."
 - Made "Project/Save as..." commkey UISG
-

- compliant.
- New option: AutoPrint.
- New ARExx commands: DEVICE, RECEIVE, PRINT, PRTDRIVER.
- Fixed bug: STFax crashed when it couldn't open the serial device.
- Fixed bug: the default configuration was wrong.
- Fixed bug: when opening the Receive window for the first time, the title was corrupt.
- Fixed bug: sometimes STFax would not quit, but freeze.

1.79 01/01/97 First public release.