

SFAX.EXE is a command line program to send FAX using U1496. To use SFAX.EXE, please follow the install steps :

- step 1 : copy the program "sfax.exe" and "insfax.exe" into the working directory. You can use the same directory as zfax.
- step 2 : change to the working directory, and then execute insfax.com.
- step 3 : set the configuration.
- step 4 : tpye "w" to enter the working directory path.
- step 5 : check the configurations, if they are ok, type "ESC" to quit and save the configuration. Be sure that the file "zfax.fon" is in the working directory.

There is a help menu if you type sfax only. If you want to send a fax, just tpye "sfax filename faxnumber". sfax.exe will look the configuration file to set the COM port, page size, resolution ...

4. Note for RCVFAX.EXE ->

RCVFAX.EXE is a command line program to receive incoming FAX, it must be boundled with communication program to receive fax because this program does not initial the UART.

The incoming FAX is seperated as one file for each page. For example, OCT31000.P01 is the first page of the fax OCT31000.

- 1. To work with RCVFAX.EXE, you need to send the command "AT#B1+FCLASS=6" first.
- 2. When an incoming FAX is detected and the "CONNECT FAX" has showed, execute "rcvfax.exe".
- 4. The program can be used in the BBS and it can also be used as an external protocal in communication program.

6. Note for programmer ->

To receive fax In the mode #B1+FCLASS=6, the U1496 responds FAX as follow :

DTE COMMAND	PATH	U1496 RESPONSE
AT#B1+FCLASS=6	----> <----	<CR><LF>OK<CR><LF>
. .	The incoming call is detected as a FAX	. .
	<----	<CR><LF>CONNECT FAX<CR><LF>
. .	delay for about 1 second	. .
	<----	*Escape sequence
. .	U1496 is waiting for DC2 to start connection	. .
DC2	----> <----	*connect message

<----

FAX DATA

*Escape sequence : There are 6 chars in the escape sequence, they are 13h,10h,1bh,1bh,13h,10h for V3.94 or "ZyXEL" for V3.95.

The escape sequence is generated for the door systems, because they ask users to press ESC once or twice to shell to BBS system.

**DC2 : This char is of ascii code 12h, U1496 will not send any data to the DTE until it receive the DC2. This mechanism is for flow control only.

***connect message : Connect message is used to tell the connect speed, page size, resolution, remote faxnumber and other configuration of this fax.

The format is

<CR><LF>S9600V1T1R1L1C1PXXXXXXXXX<CR><LF>

please refer to the U1496 user's manual to see the exact meaning of each parameters.

For V.17 fax, message will be S1440 or S1200 to represent the connect speed 14400 or 12000.

Be careful the the FAX data will follow the connect message without any delay.

This diskette should contain the following files:

README.123	- This file
RCVFAX.EXE	- Receive fax command line program for BBS. (Zfax format)
RCVTIF.EXE	- Receive fax command line program for BBS. (Tiff format)
SFAX.EXE	- The send fax command line program.
INSFAX.COM	- The SFAX Installation Program
EDITFONT.EXE	- The ZFAX Font editor utility.
ZFAX.EXE	- The ZFAX Executable Program
ZFAX.MNU	- The ZFAX USER'S MANUAL
ZINSTALL.COM	- The ZFAX Installation Program
ZMANUAL.COM	- The ZFAX Manual View program
ZFAX.FON	- The ZFAX Font file
ZVIEW.EXE	- The FAX file viewer program
ZFAX.SCP	- Sample script file
DEMO.TXT	- Sample file to demo the send fax utility
READ.ME	- Readme file for ZFAX V1.0
EAGLE.PCX	- a sample pcx file.
CP-06.TXT	- an updated U1496 user manual, chapter 6.
CP-07.TXT	- an updated U1496 user manual, chapter 7.
CP-13.TXT	- an updated U1496 user manual, chapter 13.
HYPERA5.ZIP	- Hyperaccess Configuration file Version 5
AWMODEM.CNF	- Configuration file for PC Anywhere III R3.11
MODEM.DSC	- Configuration file for Carbon Copy V5.1
MODEMS.DAT	- Configuration file for Procomm Plus V2.0
QMODEM.MDF	- Configuration file for Qmodem.
TELEGARD.TXT	- Configuration file for Telegard.
TELIX.MDM	- Configuration file for Telex.
TM.CFG	- Configuration file for Telemate.
VBBS.CFG	- Configuration file for VBBS.
XTALKWIN.TXT	- Configuration file for Xtalk.

ZYXEL.MDM - Configuration file for Wildcat.
ZYXEL.RAM - Configuration file for Wildcat.

Q&A

Q. Does ZFAX compatible with EIA Class 2 Fax standard ?

A. The official Class 2 standard is ready on firmware later then V3.89. U1496 can work with the Class 2 software such as WinFax, Fax96, BitFax 3.0.

Q. What is V.17 ??

A. V.17 is the newest G3 fax protocol. The fax can speed up to 14,400 bps. The following table the speeds of G3 fax that U1496 support :

Protocal	Speed
V.17	14,400 12,000
V.29	9,600 7,200
V.27ter	4,800 2,400

Q. Can my BBS receive FAX ??

A. Yes, because U1496 can separate the incoming call between MODEM and FAX, you can use the program rcvfax.exe to receive fax in your BBS. Please refer to the "note for BBS SysOp" section in this file.

Q. How can I install my own font for ZFAX ?

A. In the ZFAX work path, execute the "install.com" and type '0' to select the Fax Font configuration, you will have a sub menu to enter your font size. ZFAX accepts bitmap fonts only. For instance, you have a font file with 24X24 each char. Then the horizontal size is 24, vertical size 24, and 72 bytes for each char. Last, enter the file name of your font. The font file has to be put in the ZFAX work directory.

Q. How much memory the does the resident ZFAX reserve ?

A. After install ZFAX, it will reserve 64K bytes of the DOS memory.

Q. Is it possible to combine the TEXT and IMAGE data into one fascimile ?

A. You can use the "~F", "~P", "~W", "~Z" command in a text file to add or insert the image data between text data. please refer to the ZFAX User's manual to have more details of these in file command.

Q. Is it nessary to convert the file before sending a fax in ZFAX ?

A. No, when sending FAX, ZFAX converts the file on the fly. So you don't need to convert it first, just type the file name and send it.