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FaxMail for Windows and FaxMail Network for Windows are very similar with the same look and feel. FaxMail for Windows is 16 bit and will run on a single computer. If you need a 32 bit version that will run on a single computer or Network, try FaxMail Network for Windows.

Adds a <Fax> button to all your Windows Programs

If you can print, you can fax

All the Fax Machines in the world are your printers with FaxMail for Windows

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DESCRIPTION:

FaxMail includes a choice of three different installations which support Microsoft Windows 95, Windows 3.1 and Windows for Workgroups 3.11. Supports most FaxModems, Group 3 CLASS 1, CLASS 2 and CLASS 2.0. FaxMail for Windows will add a <Fax> button to your Windows Programs, giving you access to all the Fax/Modems and Fax/Machines in the world, making them become your printers. FaxMail attaching itself to and becomes a part of the actual Microsoft Windows environment, whereby it appends itself to all system menus thereby adding its features to all Windows Applications. FaxMail has hundreds of useful features such as Dynamic View/Edit Cover Page, FaxBook Import, Windows Dynamic All Class FaxModem Driver, and Technical Support. You can import up to 1000 name and phone numbers into each FaxBook (Phone Book) at a time from any xBase data base program, and you can have as many FaxBooks as you want. FaxMail gives you laser quality fax output, making it a great tool to send an occasional fax or large numbers of high quality faxes from the background while you work on other tasks. FaxMail bundles the most useful fax features, and it is fast! The simplicity of information transfer via FaxMail for Windows is unequalled. It is a faxmail management system, integrating FaxModem technologies into computer document generation. You can create very short and/or long fax.

FEATURES:

\*select number rings until the FaxModem answers \*number of re-dials  
\*length of time between re-dials \*set modem volume \*"Scale to printer" or  
"Print actual FAX size" \*view and move fax from Windows File Manager

\*Immediate or scheduled fax sends \*broadcast queue holds 32,000 fax  
\*option to auto-print incoming faxes in the background \*send/receive fax  
in the background while you work in the foreground \*easy fax management  
\*GOOD help system \*very fast fax viewer \*log all sent and future fax  
events \*quick notes with variable merge from FaxBook fields \*fax any  
document you can print (send amazingly clean resumes) \*event monitor  
\*received fax notification \*fax rescheduling \*up to 1000 entries per  
FaxBook \*easily create custom cover pages \*background printing \*supports  
"Silent-Answer" \*FaxMail Convert to Fax driver \*supports many paper sizes,  
in PORTRAIT and LANDSCAPE, including Letter 8.5x11, Legal 8.5x14, A4  
210x297mm, A5 182x257mm, and is user definable down to a fraction of an  
inch \*Enhanced Windows Dynamic All Class FaxModem Driver \*FaxBook merge  
into Cover Page \*Automatically switches from Fax to Printer Mode  
\*Supports Microsoft Word for Windows, Windows Write, and all other  
programs with the abilities to print \*Full-support for COM1-COM4 on  
IRQ00-IRQ15

#### AVAILABLE:

\*OCR (Optical Character Recognition), \*Fax to PCX BreakUp and \*Zoom/Edit  
Fax. The OCR will convert fax into text that can be read by all editors  
and Word Processors, yet retains the original fax, unchanged. BreakUp will  
break a multiple page DCX fax file into individual one page PCX files that  
can be easily imported into most Windows programs. Edit Outgoing and  
Incoming Fax. Before printing to a fax machine or upon receiving a fax,  
you may want to use Zoom/Edit to add graphics, text (any font, any size),  
or use your mouse to sign the fax.

#### INCLUDES:

FaxModem Wizard COM-Port/FaxModem Tester. FaxModem Wizard not only tell  
you what kind of UART is present on each of your four COM-Ports but what  
IRQ it is using. Great tool for finding COM-IRQ conflicts.

#### REQUIREMENTS:

Microsoft Windows v3.1, Windows for Workgroups v3.11, Windows 95, and a  
Modem. Almost all modems are CLASS 1, CLASS 2 or CLASS 2.0. FaxMail  
supports all three CLASSES.

#### UPGRADE HISTORY:

Extended accented characters support. Print details of a fax send or  
receive from the Events Log. Receive faxes from Fax On Demand Services.  
Print from <View Cover Page>. Print PCX files. Can now print legal size  
faxes. Addition of <Using Your Program's FaxBook system> to pass a  
recipient and phone number to FaxMail so as not to have to use the FaxMail  
FaxBook system. Improved Flow Control. Improved the page changing while  
send/receive faxes. Can edit FaxBook entry without removing from Groups.  
Upgraded Fax Viewer for improved viewing with high resolution monitors. Set  
date format to MM/DD/YY - USA, DD.MM.YY - UK or YY-MM-DD - WORLD. Take  
selected page(s) from Faxes and build another Fax. Supports Microsoft  
Windows 95, Windows 3.1, Windows for Workgroups 3.11. Windows Dynamic  
FaxModem Driver now supports almost all FaxModems including USRobotics.  
Upgraded Events Log, Future Send Queue. Fax Viewer now supports SVGA. New  
updated help system. Manual included. Convert to Fax supports black, white,  
and all shades of gray. It supports all paper sizes, PORTRAIT and  
LANDSCAPE. View and move fax from Windows File Manager. Enhanced Windows  
Dynamic All Class FaxModem Driver. View Cover Page. Edit Cover Page. Edit  
Cover Page Logo. Cover Page Help. Includes the FaxModem Wizard tools that  
not only tell you what kind of UART is present on each of your four  
COM-Ports but what IRQ it is using. Addition of the FaxMail for Windows  
Dynamic All Class FaxModem Driver. Major upgrade of the FaxModem Drivers.  
Many improvements to the FaxBook system including Import/Export.

#### NOTE:

If you choose to use the "FaxMail for Windows Dynamic All Class

FaxModem Driver", a lot of this README will not pertain to you, and nothing will be put in your AUTOEXEC.BAT.

**BEFORE ALL ELSE:**

Because of size constraints we are forced to leave some of the glitter out of this shareware versions, but it is still VERY MUCH a FULL working fax program with feature not seen anywhere else. We left off things like decorative bitmaps, several of the sample cover page logo files, FaxBook imports and a few other things that will not impede your use of FaxMail. All of the above mentioned and more will be in your registered version.

We are working full time on improving and upgrading FaxMail for Windows based upon the feedback from you and other users. So...before you install, look at the date on this file. If the date is more than a week old, you may want to get the latest version.

You can get FaxMail for Windows from many BBSs and FTP Internet Sites around the world. fax\_v518.zip, where fax\_v518 means version v5.18.

WWW: <http://www.ElectraSoft.com/> or <http://www.blkbox.com/~jonk/>  
Computer Technical Support BBS, 281-499-5939, home of FaxMail for Windows  
CompuServe (FAXWIN.ZIP) GO PCFF and search for: FaxMail  
America On-line (AOL) Keyword: FaxMail

If you have a problem that is not covered here, contact ElectraSoft at 281-261-0307 because most likely there is either a solution to your problem, or a newer version of FaxMail for Windows does not have the problem.

**LEGAL INFORMATION:**

If you have a registered version of FaxMail for Windows you may \*NOT\* share the registered version with others.

FaxMail for Windows is shareware. This means you have a chance to test the performance of FaxMail for Windows before committing yourself to buying it. FaxMail for Windows is a Shareware product and we would like you to REGISTER after testing this "evaluation copy".

Only the unregistered version of FaxMail for Windows may be distributed freely, and no fee may be charged for it except a nominal copying fee. All trademarks contained herein are registered to their respective owners.

**IMPORTANT INFORMATION:**

While converting printer output to a fax, FaxMail will need to create and use a temporary file called "TOFAX" and then delete it when finished. This file will be in the root of the drive FaxMail is installed on.

So that FaxMail for Windows <CONVERT TO FAX> will be able to convert printable files to faxes, you may want to check the following three things on the drive that you installed FaxMail on:

1. If you have the maximum allowed files in that root directory, remove some.
2. If you have a directory called TOFAX on that drive, remove it.
3. If that drive is full, make some room. The fax converter needs about 200k per page. Keep in mind that Windows itself may need 5meg+- free on the hard drive.

If you are currently using another Modem-Program, remember that they can not run concurrently on the same COM-Port. Disabling a fax program may be as easy as not loading it or you may have to remove one or more lines from your AUTOEXEC.BAT, CONFIG.SYS, WIN.INI or SYSTEM.INI. Typing rem ahead of a line in your AUTOEXEC.BAT or CONFIG.SYS will disable it. Example:

```
change:
C:\OLD_FAX_DIR\OLFAXPRG.EXE
to:
rem C:\OLD_FAX_DIR\OLFAXPRG.EXE
```

To disable a line in an \*.INI (WIN.INI and SYSTEM.INI) file, place a ; before the line to be commented-out. Example:

```
change:
C:\OLD_FAX_DIR\OLD_FAX_PRG.EXE
to:
;C:\OLD_FAX_DIR\OLD_FAX_PRG.EXE
```

If your old Fax-Program loads from the Windows-StartUp-Group as you enter Windows, you will have to move it's ICON out of your Windows-StartUp-Group by grabbing it and dropping it in another Group.

If you load the wrong FaxModem Driver the worst that can be expected to happen is that the FaxModem Driver might not load or the program might hang or fail to operate, and perhaps your modem might be left in Fax mode and require manual resetting(turn it off and back on). Since information about models that don't work with this program will aid in correcting unsuspected problems, we would appreciate any information you can give us about them. Write to the registration address, or send email to: FaxMail@ElectraSoft.com or jonk@blkbox.com

USING COMTEST.COM:

Definition:

FaxModem Wizard COM-Port/FaxModem Tester, COMTEST.COM. FaxModem Wizard not only tell you what kind of UART is present on each of your four COM-Ports but what IRQ it is using. It will generate a text file called COMTEST.TXT that you can read later. This file can be emailed to ElectraSoft for analyses.

Usage:

Find COM-IRQ conflicts.

How to use COMTEST.COM.

Windows 3.1x

Exit (do not use the Windows "MS-DOS Command Prompt") Windows.

CD\FAXMAIL

COMTEST.COM

EDIT COMTEST.TXT

Windows 95

Windows 95 Method 1

Select <Start>, <Shut Down>, <(\*)Restart the computer in MS-DOS mode?>.

CD\FAXMAIL

COMTEST.COM

EDIT COMTEST.TXT

Windows 95 Method 2

Turn on your computer and select <6. Command prompt only>.

```
CD\FAXMAIL
COMTEST.COM
EDIT COMTEST.TXT
```

#### Windows 95 Method 3

```
Put the following four lines in your Windows 95 AUTOEXEC.BAT.
CD\FAXMAIL
COMTEST.COM
EDIT COMTEST.TXT
CD\
```

#### Windows NT

1. Be sure that no software is using any of the four COM-Ports.
2. Select "MS-DOS Command Prompt" and type:  
CD\FAXMAIL  
COMTEST.COM  
EDIT COMTEST.TXT  
Note:  
Windows NT will warn you that the COM-IRQs can not be opened, and ask if you want to <Terminate> or <Ignore>. Respond with <Ignore> to all warning message.

See "RESOLVING CONFLICTS" and "FaxModem INSTALLATION" in this file.

#### FaxModem INSTALLATION:

##### Notes:

1. To stay safe when removing/replacing hardware, always turn your computer off and unplug it.
2. To reduce the possibility of damaging electronic components in your computer with "static potentials" when removing/replacing hardware, place one hand on the metal chassis before removing/replacing hardware.

Read "USING COMTEST.COM" first...

(IMPORTANT: Read but don't do this unless you are installing or reinstalling a FaxModem)

##### Definitions:

COM, Communications-Port (1 - 4).  
IRQ, Interrupt-Request (0 - 15).  
External FaxModem, is placed \*ON\* a COM-Port (UART).  
Internal FaxModem, \*REPLACES\* a COM-Port (UART).

A majority of the people I give tech-support to have a hardware conflict due to improper Internal FaxModem installation!

##### Notes:

1. An External Modem is plugged into an existing COM-Port (UART)!
2. An Internal Modem is a UART and REPLACES an existing COM-Port (UART)!

If you are having problems with a Modem, read the above lines until you comprehend and understand them.

##### Installing an External FaxModem:

Plug one end of the COM cable into your FaxModem and the other end into a vacant COM-Port. You will have to know what COM-Port and what IRQ you plugged into so you can let the software know during software installation.

##### Installing an Internal FaxModem:

When installing an Internal FaxModem, be sure you disable the

COM-Port (located on your IO-Board) you are going to replace. Then; before installing the Internal FaxModem, test, with the opening screen of COMTEST.COM (comes with FaxMail for Windows and \*MUST\* be run from DOS. It will \*NOT\* work while in Windows.), to be sure the COM-Port really is disabled, and then, AND ONLY THEN, are you ready to install the "Internal FaxModem". Not doing this properly is the overwhelming major reason for Modem and other computer problems that to the average person seem to have no relationship to their modem, but it does! If you are installing on COM2-IRQ3, the COMTEST.COM opening screen should look like this BEFORE you install the FaxModem.

```
COM1-IRQ4:
UART (16450 Chip) or Equivalent detected.
COM2-IRQ*:
No UART/COM/Modem/Serial Port detected.
COM3-IRQ*:
No UART/COM/Modem/Serial Port detected.
COM4-IRQ*:
No UART/COM/Modem/Serial Port detected.
```

Then you are ready to set the jumpers on your Internal FaxModem to COM2-IRQ3 and insert it into a vacant slot; thus replacing the COM2 UART.

You can use DEBUG.EXE to help install Modems, but it is not as accurate as COMTEST.COM (see Note 5).

If you are reinstalling a FaxModem on a different COM-IRQ, keep in mind that you may have to reinstall or run setup on all the software that is presently using the FaxModem.

If COM1-IRQ4 and COM2-IRQ3 are in use, I would suggest one of the following configurations:

```
COM3-IRQ5,
COM3-IRQ7,
    or
```

```
COM3-IRQ2
```

If we would have found COM2 unused we would have configured like this:

```
COM2-IRQ3
```

Here is a list of suggested combinations:

```
COM1-IRQ4
```

```
COM2-IRQ3
```

```
COM3-IRQ5
```

```
COM3-IRQ7
```

```
COM3-IRQ2
```

```
COM4-IRQ5
```

```
COM4-IRQ7
```

```
COM4-IRQ2
```

FaxMail for Windows will supports COM1 through COM4 on IRQ0 through IRQ15. But...Before these addresses can be used, your "COM-Port/FaxModem" must first support the configuration and second you must properly configure said device.

Never skip a COM-Port as the system will go into "conflict-convulsion" from time to time. To find a vacant IRQ, run something like SYSONFO.EXE, etc. Here is some information on IRQs in the IBM-Compatible. They are: IRQ0 - IRQ15. N/A means not normally available for your FaxModem.

```
IRQ0 {INT 08h, Reserved for 8253 Channel 0 System-Timer-Tick, N/A
```

IRQ1 {INT 09h, Reserved for Key-Board Attention, N/A  
 IRQ2 {INT 0Ah, Reserved for Future use, (you can use if not in use)  
 IRQ3 {INT 0Bh, Reserved for COM2-IRQ3, or COM4-IRQ3 \*If not used by COM2  
 IRQ4 {INT 0Ch, Reserved for COM1-IRQ4, or COM3-IRQ4 \*If not used by COM1  
 IRQ5 {INT 0Dh, Reserved for XT-HardDrive, Can used unless you have an XT  
 IRQ6 {INT 0Eh, Reserved for Disk Attention, N/A  
 IRQ7 {INT 0Fh, LPT1, but usually doesn't need IRQ, usually can be used  
 IRQ8 - IRQ15 {Available in AT and up, but not in XT computers)

The following report was generated by Peter Norton's SYSINFO.EXE on a 486DX-50:

\*\*\*\*\*

\* Hardware Interrupts \*

\*\*\*\*\*

Number	Address	Name	Owner
IRQ 00	FCAC:0043	Timer Output 0	BIOS
IRQ 01	FCAC:0048	Keyboard	BIOS
IRQ 02	08AB:0057	[Cascade]	DOS System Area
IRQ 03	08AB:006F	COM2	DOS System Area
IRQ 04	0A4D:9F5A	COM1	FM_ROCK2.COM
IRQ 05	08AB:009F	LPT2	DOS System Area
IRQ 06	08AB:00B7	Floppy Disk	DOS System Area
IRQ 07	0070:06F4	LPT1	DOS System Area
IRQ 08	0000:0000	Real-time Clock	Unused
IRQ 09	0000:0000	Reserved	Unused
IRQ 10	0000:0000	Reserved	Unused
IRQ 11	0000:0000	Reserved	Unused
IRQ 12	0000:0000	Reserved	Unused
IRQ 13	0000:0000	Coprocessor	Unused
IRQ 14	0000:0000	Fixed Disk	Unused
IRQ 15	0000:0000	Reserved	Unused

Note 1:

As you can see, if IRQ4 is used by COM1, you have to find another IRQ for COM3. If you have a COM1-IRQ4 and you use COM3 you will need to use an alternative IRQ. The same goes if you are going to use COM4 and you have a COM2-IRQ3.

Note 2:

It is best to use COM1-IRQ4 or COM2-IRQ3 for FaxModems, as they were originally and specifically set aside for communications. Experience has shown me that some FaxModems do not perform as well on COM3 and COM4 using IRQ5, IRQ7 or IRQ2.

Note 3:

By the way, the problem with this and most system tests, such as MSD.EXE, is that they tell you what is suppose to be or what is normally on an IRQ. For instances, when I ran this test, as you can see, it says that "LPT1" is on IRQ7. The fact is I have a Rockwell class 1,2 FaxModem on COM3-IRQ7. When I ran COMTEST.COM I got the following results:

FaxModem Wizard COM-Port Test is part of "FaxMail for Windows"  
 (C) Copyright 1990-1997, Jon Krahmer, All Rights Reserved.

COM1-IRQ4:

UART (16450 Chip) or Equivalent detected.

COM2-IRQ3:

FIFO UART (16550AN Chip) or Equivalent detected.  
 This is a high performance UART with buffering.

COM3-IRQ7:  
UART (16450 Chip) or Equivalent detected.

COM4-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

Press <Esc> <Esc> to exit COMTEST or <Any-Key> to Continue...

Note 4:

TEST RESULTS

Rockwell, Internal, V.32AC, V1.270, TR14-Jxxx-001 Accelerator-Kit:

```
COM1-IRQ4 { Class 1 (FM_ROCK1.COM); Worked well
           { Class 2 (FM_ROCK2.COM); Worked well
COM2-IRQ3 { Class 1 (FM_ROCK1.COM); Worked well
           { Class 2 (FM_ROCK2.COM); Worked well
COM3-IRQ2,5,7 { Class 1 (FM_ROCK1.COM); Poor, usually failed to send
              { Class 2 (FM_ROCK2.COM); Worked
COM4-IRQ2,5,7 { Class 1 (FM_ROCK1.COM); Poor, usually failed to send
              { Class 2 (FM_ROCK2.COM); Worked
```

GVC, Internal, FM144/144, FM-144HVBIS with built-in FIFO:

```
COM3-IRQ5 { Class 2 (FM_ROCK1.COM); Works well
```

If your computer has a built-in COM1-IRQ4 and COM2-IRQ3, you can disable either COM1-IRQ4 or COM2-IRQ3 and then set your FaxModem to that COM-Port and IRQ. This is done by getting out your manuals and moving the jumpers or contact the company you bought your computer and FaxModem from.

Note 5:

At Segment 0040, Offset 0000 DOS keeps a table of ports starting with your COM-Ports. The BIOS and DOS assume that you know that you can not skip a COM-port or reuse an IRQ. If you do, it will raise havoc with your system. If you skip a COM-Port, your system will compress the COM-Port table thus making it useless to any program that depend on it. For instance, if you have a UART on:

COM1, COM2, and COM4

your system will report that you have a UART on:

COM1, COM2, and COM3

Example of how to verify this:

Go to the DOS-Prompt and type:

```
CD\           {go to the root directory
DEBUG        {or \DOS\DEBUG
-D 0040:0000 {the - prompt will appear
             {something similar to the following will appear
0040:0000 F8 03 F8 02 E8 03 00 00-78 03 00 00 00 00 00 .....x....
Q <Enter>    {to Quit DEBUG
```

We are only concerned with the first 8 BYTES (4 WORDS).

```
0040:0000 F8 03 F8 02 E8 03 00 00 {as you found them
          F8 03,F8 02,E8 03,00 00 {separated
          03F8 02F8 03E8 0000 {formatted from BYTES to WORDs
          3F8 2F8 3E8 000 {formatted to human terms
          COM1 COM2 COM3 {No COM4; or was there?
```

It looks like you have a COM1, COM2 and COM3 :-)



## RESOLVING CONFLICTS:

Read "USING COMTEST.COM" and "FaxModem INSTALLATION" first...

Example of a conflict and how to resolve it

Lets assume you have a mouse on COM1-IRQ4 and a modem on COM4-IRQ3.

You have a hardware conflict. You should never skip a COM-Port as the system will go into "conflict-convulsion".

Your computer has a COM-Port table at real-mode Segment 0040h, Offset 0000h, 0040:0000. It assumes that you did not skip a port, and if you did, it will compress it down to where, in this case, your COM4 is entered into the COM-port table at the location reserved for COM3. When you go into Windows, Windows looks at the COM-Port table and thinks you have a COM1, COM2 and COM3. When it goes to access COM3, bad things happen, because it is not there.

FaxModem Wizard, COMTEST.COM, is included with FaxMail for Windows. It will tell you what, if anything, is on each of your four COM-Ports and which IRQ each COM-Port is using, COM?-IRQ?. It will give you a written report about your Modem.

Exit Windows and Run COMTEST.COM. In this example the results will look like this:

COM1-IRQ4:  
UART (16450 Chip) or Equivalent detected.

COM2-IRQ3:  
UART (16450 Chip) or Equivalent detected.

COM3-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

COM4-IRQ3:  
UART (16450 Chip) or Equivalent detected.

To Correct this conflict:

Method 1

1. Turn off your computer and remove your modem.
2. Turn on your computer and run FaxModem Wizard (COMTEST.COM). The UART on COM4 should now be gone as shown in this example.

COM1-IRQ4:  
UART (16450 Chip) or Equivalent detected.

COM2-IRQ3:  
UART (16450 Chip) or Equivalent detected.

COM3-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

COM4-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

3. Turn off your computer and disable COM2. For most computers, this

is done by removing the I/O board and moving or removing the jumpers so that COM2 is disabled. The "I/O board" is the input output board that controls the HardDrive, COM-Ports and etc. If this is the case with your computer, get out the jumper-sheet that came with your computer's I/O board, and move the jumpers so that COM2 is disabled.

4. Run FaxModem Wizard and look for the following results:

COM1-IRQ4:  
UART (16450 Chip) or Equivalent detected.

COM2-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

COM3-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

COM4-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

5. Get out the jumper-sheet that came with your modem and set your modem to COM2-IRQ3 and insert it into any vacant slot.

6. Run FaxModem Wizard to verify that it looks like this:

COM1-IRQ4:  
UART (16450 Chip) or Equivalent detected.

COM2-IRQ3:  
UART (16450 Chip) or Equivalent detected.

COM3-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

COM4-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

If you have a high performance modem, COM2-IRQ3 will look like this:

COM2-IRQ3:  
FIFO UART (16550AN Chip) or Equivalent detected.  
This is a high performance UART with buffering.

## Method 2

If COM2-IRQ3 is being used or you are unable to disable COM2, you can set your modem to COM3-IRQ7 or COM3-IRQ5. If you have a sound card, it may be using IRQ5. If this is the case, then you will have to use COM3-IRQ7. Thus FaxModem Wizard will look like this.

COM1-IRQ4:  
UART (16450 Chip) or Equivalent detected.

COM2-IRQ3:  
UART (16450 Chip) or Equivalent detected.

COM3-IRQ7:  
UART (16450 Chip) or Equivalent detected.

COM4-IRQ\*:  
No UART/COM/Modem/Serial Port detected.

BEFORE SOFTWARE INSTALLATION:

Windows only:

If you are going to be using FaxMail for Windows in Windows only, you might try the "FaxMail for Windows Dynamic All Class FaxModem Driver" first.

DOS and Windows:

If, while installing FaxMail for Windows you find that your FaxModem is not listed, it is possible that one of the selections will work. For instance, DoveFax Class 1 and Practical Peripherals Class 1 works with many other class 1 FaxModems. The {"Universal, Rockwell, Class 2"} will work with nearly all of the FaxModems derived from the "Rockwell Class 2 Accelerator Kit". Generic Class 2, Zoom Class 2, ZyXEL Class 2, and Dallas Class 2 FaxModem Drivers are all Class 2 FaxModem Drivers. There are a lot of "Class 2" variations, so, if your "Class 2" board does not work with one, it may work with another. The

"Universal, Hayes, Rockwell, Class 1",  
"Universal, Rockwell, Class 1", and the  
"Universal, Rockwell, Class 2"

FaxModem Drivers are designed to do the job if all else fails. It should not always be the first choice because even though it is more versatile, it may not perform as well as the one recommended by us. Depending on your computer, another FaxModem Driver may work better than our recommended one though. Sometimes, depending on your computer, COM-Port (FIFO(16550) or not), the

"Universal, Hayes, Rockwell, Class 1",  
"Universal, Rockwell, Class 1",  
- or -

"Universal, Rockwell, Class 2"

may outperform the recommended FaxModem Driver. By The Way, these 2 FaxModem Drivers support FIFO operation.

If your FaxModem is not listed, look for an alternate FaxModem Driver. An Internal FaxModem Driver can be used to drive an External FaxModem, and an External FaxModem Driver can be used to drive an Internal FaxModem. The name is not important. For instance, the AT&T class 1 will work on many other class 1 FaxModems. Choosing the wrong FaxModem Driver will not harm Anything.

The files in this package are modified to your specifications during installation and \*WILL NOT\* work properly if simply copied into your working directory. You \*MUST\* use the INSTALL.EXE or configuration utilities to add or change anything.

List of modems that were tested and are known to work with FaxMail:

```

=====
FaxModem:          FaxModem Driver:
    |                |
+-----+          +-----+
|                |
FaxMail for Windows Dynamic All Class FaxModem Driver,
                (for Windows only), Class 1,2,2.0-----FM_WN_FD.EXE
Universal, Rockwell, Class 2-----FM_ROCK2.COM
Universal, AT&T, Class 2-----FM_ATT2I.COM
Universal, Hayes, Rockwell, Class 1 -----(HayesMode)FM_ROCK1.COM
Universal, Rockwell, Class 1-----FM_ROCK1.COM
Universal, AT&T, Class 1-----FM_ATT1I.COM

```



#### AFTER SOFTWARE INSTALLATION:

After installation, you will have several icons in the FaxMail for Windows Group. Please note the following icons:

Manual (MANUAL.WRI)  
Read Me (README.WRI)  
Q and A (Q\_A.WRI)  
FaxMail Tutor (FM\_TUTOR.WRI)  
FaxMail Help (FM\_HELP.HLP)

These should be read before using FaxMail for Windows. There is also "Contact-Sensitive Help" buttons, throughout FaxMail for Windows, for your convenience.

Everything is explained thoroughly in the FaxMail for Windows help system, which may be called upon from anywhere in FaxMail for Windows.

If you want to use FaxMail for Windows from within any Windows Application and/or take advantage of \*ALL\* the power FaxMail for Windows has, load the "Control" program that you will find in the FaxMail for Windows Group before loading any other Windows Applications.

After the Control program is loaded, click on the System button (the small square button at the top left corner of all windows) and choose SetUp and configure things \*YOUR WAY\*. I suggest that if you are not sure of something, leave the defaults set as it came to you. Make a printout of the defaults in case you change something you do not understand yet.

#### Note:

If the FaxModem Driver does not load at when you turn on your computer it could be because FaxMail for Windows installs its FaxModem Driver at the top of the AUTOEXEC.BAT file, and other drivers can cancel it out. If this happens to you, move the FaxModem Driver command:  
LH C:\FAXMAIL\FM\_ROCK2.COM  
to a spot just before the Windows load command.

#### HELPFUL HINTS:

##### "Silent Answer"

Silent Answer requires the support and cooperation of the remote sending FaxModem/Machine with your receiving FaxModem. If the sending FaxModem/Machine does not support "Silent Answer" by sending the "CNG" tone, you will lose that Fax! Please read \*all\* of this area before using "Silent Answer". If you still want "Silent Answer", here is what it does and how to implement it.

Silent answer let one telephone line be used for two purposes; receiving Faxes with the FaxModem, and receiving voice calls with an answering machine or telephone. When set to this mode, the FaxModem lets your answering machine answer all incoming calls. If it detects Fax "CNG" tones, it routes the call to FaxMail for Windows. Otherwise, it just sits silently on the phone line while you or your answering machine takes the call.

When the phone rings and after the second ring the FaxModem will start monitoring the telephone line. If it detects a Fax tone, it will receive the Fax. If it does not detects a fax tone, it will do nothing.

#### Silent Answer hardware installation

When installing the FaxModem, DO NOT plug the answering machine into the telephone jack on the back of the FaxModem. Instead, do one of the following:

- a. Plug the answering machine and FaxModem into different wall jack (i.e. jacks in different rooms).
- b. Plug the answering machine into a wall jack and the FaxModem into the answering machine.
- c. If your answering machine has some kind of phone-jack switching; use this method. You must locate the two devices on separate extensions to make silent answer work correctly. This means you can not plug the answering machine into the FaxModem or vice versa. You can split a single extension with a duplex jack adapter. Radio Shack commonly carries these, part number 279-357 for \$4.49.

Also, if you have an older answering machine that does NOT automatically turn itself off when it detects that a person or the FaxModem has answered the call, you need a \$7.95 adapter from Radio Shack, part#43-107. This adapter disconnects the answering machine from the phone line when the call is answered. It goes between the answering machine and the wall jack.

Note:

The device that is picking up the line initially, must answer after, and not before, the second ring. This means you should set it to 3 for best results. If no other device picks up the line by the time the number of rings that FaxMail for Windows is set to is reached, FaxMail for Windows will answer it and process a Fax.

To activate Silent Answer

Load the FaxMail for Windows "Control" program and click on the <System> Button, <Setup> Button and on the Silent Answer <Check> Button. Set the number of rings until we answer to four and set your answering-machine to three rings. If the Silent Answer <Check> Button is inactive and gray, your FaxModem does not support Silent Answer.

How to enable auto-load (registered version only)

When you boot-up, you have a choice as to whether you want to load the FaxMail for Windows FaxModem Driver or not. If you plan to always load the FaxMail for Windows FaxModem Driver, you can place y or Y behind the FaxModem Driver. Here are two examples:

```
examples #1 (First line in your AUTOEXEC.BAT)
LH C:\FAXMAIL\FM_ROCK2.COM
will ask:
Do you want to load the "FaxMail for Windows" FaxModem Driver? (Y/N) Y
```

```
examples #2 (First line in your AUTOEXEC.BAT)
LH C:\FAXMAIL\FM_ROCK2.COM Y
The Y parameter will cause the FaxModem Driver to load without asking. It will always load without stopping or asking.
```

BBS and FAX on the same computer

Method 1:

Windows:

There is an ICON, FAX vs BBS, in the FaxMail for Windows Group for the purpose of allowing you to control the FaxModem mode.

-Before you call a BBS, double-click the <FAX vs BBS> ICON and choose:  
    <Set FaxModem to BBS-Mode>.  
-Load your BBS-Software and log-onto the BBS.  
-After logging-off the BBS and exiting the BBS Software; to resume  
  FAXing, double-click the <FAX vs BBS> ICON again and choose:  
    <Set FaxModem to FAX-Mode> again.

#### Method 2:

DOS:

Before you call a BBS, go to the DOS Prompt, and type:

```
C:\FaxMail\BBS-MODE.COM
```

Log-onto the BBS.

To resume FAXing, go to the DOS Prompt, and type:

```
C:\FaxMail\FAX-MODE.COM
```

#### Method 3:

Note:

In these example; do not type the comments that appear to the right of the {.

If you want to use the same computer for Fax and data-modem(BBS), it may be necessary to Disable the FaxMail for Windows FaxModem Driver while calling a BBS. To Disable FaxMail for Windows FaxModem Driver run: BBS-MODE.COM. Use FAX-MODE.COM to Enable the FaxModem Driver again after you log-off the BBS. Here is an example of a Batch(.BAT) File that will do it all for you. Lets say that you are using a BBS program called Telemate, and it's name is TM.EXE. The following Batch File will Disable the "FaxModem Driver" load "Telemate" and when you exit the BBS program (Telemate) it will "Enable" the FaxModem Driver so you can resume FAXing. At the DOS Prompt:

```
COPY CON T.BAT <Enter>           {Create file(T.BAT)
C:\FaxMail\BBS-MODE.COM <Enter>  {1st line in file(T.BAT)
PAUSE <Enter>                    {2nd line in file(T.BAT)
CD\TELEMATE <Enter>              {3rd line in file(T.BAT)
TM.EXE <Enter>                   {4th line in file(T.BAT)
C:\FaxMail\FAX-MODE.COM <Ctl+Z(or F6)> <Enter> {5th, and Save(T.BAT)
```

- or -

Using a text editor, create a file called T.BAT with the following 3 lines:

```
C:\FaxMail\BBS-MODE.COM {Set FaxModem to Data-Mode(BBS)
PAUSE                   {Pause to let FaxModem catch up(4 sec or more)
CD\TELEMATE             {Change Directory to BBS Software
TM.EXE                  {Load BBS Software
C:\FaxMail\FAX-MODE.COM {Set FaxModem to Fax-Mode(FaxMail)
```

The above example assumes that your FaxMail Directory is FAXMAIL and your Telemate Directory is TELEMATE.

Now when you want to call a BBS you type:

```
T <Enter>
```

#### Method 4:

To remove FaxMail for Windows FaxModem Driver, type "rem " in front of this line, in your AUTOEXEC.BAT:

```
rem LH C:\FAXMAIL\FM_ROCK2.COM
```

....and RE-BOOT.

To restore back to "FaxMail for Windows", reactivate the line, in your AUTOEXEC.BAT:

```
LH C:\FAXMAIL\FM_ROCK2.COM
```

....and RE-BOOT.

**Note:**

In some cases, to reset your modem to data mode, you may have to manually reset the modem (if it's external) or turn the PC off and then back on (for internal modems that don't reset any other way).

**KNOWN TO BE COMPATIBLE WITH:**

The: "FaxMail for Windows Dynamic All Class FaxModem Driver" has been tested on the following Modems but should work on almost all Modems.

- GVC; Class 0,1,2; 14400
- USRobotics, Class 0,1,2.0
- ZyXEL; Class 0,1,2,2.0; 9600, 14400
- IBM; Easy OPTIONS; Class 0,1,2
- ZOOM; Class 0,1,2; 9600, 14400, 28800
- Dallas; Internal and External; Class 0,2 and 0,1,2; 9600, 14400
- Intel; PCFM7600W; Class 0,1,2; 9600, 14400
- TurboModem, Class 0,1,2
- Rockwell, Class 0,1,2
- Rockwell, Data 2400, Class 1 Send 9600, Receive 4800
- Dallas, Class 2
- Hayes, Class 1
- Supra FAX Modem/Plus; Class 0,1,2:

**MODEMS WITH KNOWN INCOMPATIBILITIES:**

Supra FAX Modem/Plus; Class 0,1,2:

Some peoples have reported good service using the Universal, Rockwell, Class 1 -- FM\_ROCK1.COM and others work better on Universal, Rockwell, Class 2 -- FM\_ROCK2.COM

- unknown -

Please let me know if FaxMail for Windows does not work properly with your FaxModem. The next version (revision) will probably include support for \*YOUR\* FaxModem.

**WINDOWS NT:**

Adding "FaxMail NT Convert to Fax" to Windows NT:

- o Install FaxMail for Windows.
- o Re-Boot the computer.
- o Log on as Administrator.

**WINDOWS NT version 4.XX**

1. Locate the NTPRINT.INF file. Open the file and locate the Manufacturer section. FaxMail may have, but if FaxMail has not



already done so, do the following: Under the existing heading of [Manufacturer], Copy and Paste this 1 line under [Manufacturer]: (They should go between "Epson" and "Fujitsu".) (If FaxMail did put them in there for you, they will not be in alphabetical order. You can move them into alphabetical if you wish.)

```
[Manufacturer]
"FaxMail_NT"
```

Copy and Paste these 2 lines: (under Model sections)

```
[FaxMail_NT]
"FaxMail NT Convert to Fax" = FM_PN_NT.DLL
```

Copy and Paste these 3 lines: (under Installer Sections)

```
[FM_PN_NT.DLL]
CopyFiles=@FM_PN_NT.DLL,RASDD
DataSection=RASDD_DATA
```

## 2. Use the Add Printer ICON and respond as follows:

Note: Some of the following lines may be out of sequence, depending on the NT Build.

- o Click <My Computer>, <Printers>, <Add Printer>, and the Add Printer Wizard box will appear.
- o Click <(\*)My Computer>, <Next> to go to the Port selection box.
- o Under <Available ports:> Check-Mark and select [\*]?:\TOFAX.
- o Click <Next> to go to the Printer selection box.
- o Press <F> on your key-board and select FaxMail\_NT under <Manufactures:> and FaxMail NT Convert to Fax under <Printers:>.
- o Click <Next> to go to the Printer name box.
- o Under <Printer name:> type: FaxMail NT Convert to Fax
- o Click <Next> to go to the Share box. <(\*)Not Shared>
- o Click <Next> to go to the Print test page box.
- o Click <Finish> to go to the select printer driver box.
- o Use the <Browse> button to find fm\_pn\_nt.dll in the temporary directory where you installed FaxMail from. NT will copy fm\_pn\_nt.dll to the directories that it wants it in. After copying fm\_pn\_nt.dll, NT will try to copy the RASter Device Driver rasdd.dl\_ or rasdd.dll, but because rasdd.dl\_ is not in this directory, a Copy Error box will appear. Place your NT installation CD-ROM in your CD-ROM drive and click <Browse>. Browse to your CD-ROM and select: ?:\I386\rasdd.dl\_ by double-clicking it. rasdd.dl\_ is a compressed file that NT will expand into RASDD.DLL. Be sure to select rasdd.dl\_ and not RASDD.DLL! After copying rasdd.dl\_, NT will copy several other files from that directory.

Note:

```
Files used by the FaxMail NT Convert to Fax FM_PN_NT.DLL driver:
?:\WINNT\System32\spool\DRIVERS\W32X86\2\RASDD.DLL
?:\WINNT\System32\spool\DRIVERS\W32X86\2\RASDDUI.DLL
?:\WINNT\System32\spool\DRIVERS\W32X86\2\RASDDUI.HLP
?:\WINNT\System32\spool\DRIVERS\W32X86\2\RASDDUI.CNT
```

Note:

RASDD.DLL means: Raster Device Driver

RASDDUI.DLL means: Raster Device Driver Universal Printer Driver

- o Click <OK> and the FaxMail NT Convert to Fax ICON will appear in the Printers group.

## 3. Restart your computer as you would after any installation.

- ## 4. To use FaxMail NT Convert to Fax, load FaxMail and run it in background. Load a program and print to the FaxMail NT Convert to Fax.



\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\1\FM\_PN\_NT.DLL  
\WINNT35\SYSTEM\FM\_PN\_NT.DLL

If for some reason they are not there, copy them there from the unzipped files that came with FaxMail.

Notes:

- o During the "FaxMail NT Convert to Fax" installation, in response to "noncritical errors", select <Ignore>.

- o The reason for this unorthodox installation is that NT expects to find the driver, FM\_PN\_NT.DLL, on your NT installation floppies or CD-ROM for the purpose of copying it. When NT can not find FM\_PN\_NT.DLL, it will display a "noncritical error". In response to this noncritical error you will respond <Ignore>. NT will continue and put the following printer driver support files on your HardDrive:

\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\RASDD.DLL  
\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\RASDDUI.DLL  
\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\1\RASDD.DLL  
\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\1\RASDDUI.DLL

- o When you have successfully installed FaxMail NT Convert to Fax, there will be more than one copy of FM\_PN\_NT.DLL on your HardDrive. They will be in, at least, the following directories.

\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\FM\_PN\_NT.DLL  
\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\1\FM\_PN\_NT.DLL

Do not delete any of them. NT needs them all. FaxMail will also put the following in your SYSTEM directory:

\WINNT35\SYSTEM\FM\_PN\_NT.DLL

- o When installing an upgraded version of FaxMail for Windows, check to be sure the following files are updated.

\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\FM\_PN\_NT.DLL  
\WINNT35\SYSTEM32\SPOOL\DRIVERS\W32X86\1\FM\_PN\_NT.DLL  
\WINNT35\SYSTEM\FM\_PN\_NT.DLL

You can find all instances of FM\_PN\_NT.DLL and FM\_PN\_NT.DRV by going to the DOS prompt and typing:

C: {Or the drive where NT is.  
CD\ {Move to the root-directory.  
DIR FM\_PN\_NT.\* /S /P {List directories containing FM\_PN\_NT.DLL,DRV.

Converting a document to Fax from Windows NT:

1. Load FaxMail for Windows.
2. Load your text editor or word processor.
3. Select <File>, <Printer Setup> or equivalent.
4. Select "FaxMail NT Convert to Fax on C:\TOFAX" as the default printer.
5. Select <File>, <Print> or equivalent.
6. Do your normal print routine to "FaxMail NT Convert to Fax on C:\TOFAX".
7. After the print job is done, the "Converting Printer output to Fax" dialog box will appear and Convert the printer output to Fax.
8. When the Send Fax dialog box appears, <Fax Viewer> and <Send Fax>.

Note:

- o Some Windows Applications like Word for Windows 6.00 will not recognize "FaxMail NT Convert to Fax" unless you, before loading them, toggle the <PRINTER OR FAX TOGGLE> to "PRINTER IS ACTIVE", load the Print-Manager and from there select "FaxMail NT Convert to Fax" as the default printer.

Adding a modem to Windows NT:

1. See FaxModem INSTALLATION in this README.
2. Open the <Main Group> and select <Control Panel>.
3. Select <Ports>, select <Add> or <Settings> to add your new modem or reconfigure to fit your need.

Note:

The following chart is the normal possibilities, and may help you while in the <Ports> setup procedure:

COM Port Number:	Interrupt ReQuest Line:	Base I/O Port Address:
COM1-IRQ4		03F8
COM2-IRQ3		02F8
COM3-IRQ5, IRQ7 or IRQ2		03E8
COM4-IRQ5, IRQ7 or IRQ2		02E8

If you have a sound card, it may be using IRQ5 or IRQ7. A CD-ROM usually uses one of the IRQs above IRQ7.

OCR INFORMATION:

FaxMail's OCR will convert a fax to text if the image does not include graphics, and it is computer generated using a non-fancy font. If you need a little more power, try:

- o Cuneiform OCR by: Cognitive Technology of San Francisco. Free trial. Their www-page is: <http://www.ocr.com>
- o FaxGrabber by: Calera.
- o TextBridge by: Xerox, Call Sue at 508-977-2000.

These packages have been reported to work well with FaxMail.

REGISTRATION:

Only the unregistered version of FaxMail for Windows is a Shareware program. Upload it to bulletin boards (BBS). Give it to your friends and relatives. Tell your business associates about it. Don't let anyone miss out.

If you have a registered version of FaxMail for Windows you may \*NOT\* share it with others.

When you register, you will receive a diskette(s) with the latest version of FaxMail for Windows.

Please fill-in the included Registration Form below. You will receive a registered version of "FaxMail for Windows". Your registered version will not display reminder messages, and will have all the latest updates, improvements and bonus features.

```

=====
| Register: FaxMail for Windows, fax_v518.zip, 281-261-0307 |
| ElectraSoft, 3207 Carmel Valley Drive, MISSOURI CITY, TX 77459-3068 |
|== Please Print =====|
|
| Date___/___/___ Country_____ Wk Phone_____
|
| Name_____ Hm Phone_____
|
| Address_____ Fx Phone_____
|
| City_____ State_____ ZIP_____
|=====
| Disk Size:  __3.5-1.4MB  __5.25-1.2MB  __Other_____
|-----+-----
| Qty | Item                                     Amount
|-----+-----
|   | FaxMail for Windows - - - - - $25.00 $____.
|---|
|   | OCR, Optical Character Recognition, Fax-to-text $15.00 $____.
|---|
|   | Zoom/Edit Fax, Zoom in and edit a Fax - - - - - $15.00 $____.
|---|
|   | DCX to PCX Breakup, Convert Fax to .PCX file(s) $15.00 $____.
|---+----- or -----
|   | All of the above ($15.00 savings) - - - - - $55.00 $____.
|---+-----
|
| Total Price of Merchandise - - - - - $____.
|
| Texas residents, please, add Sales Tax (8.25%) - - - - - $____.
|
| Registration, Shipping, and handling - - - - - $4.00 $____4.00
| Priority $5.00 extra - - - - - $5.00 $____.
|-----+-----
| Total (Pay this amount) (NO REFUND) - - - - - US$____.
|-----+-----
| _Cash _Check(US$ on a US Bank only) _DISCOVER _VISA _MC _AmEx _JCB
|
| Card Number_____ Exp Date___/___
|
| Print name as it appears on card_____
|
| Signature_____ Date Today___/___/___
| (or Name if sending email, FAXing with computer)
|==Order Methods:=====
| Phone: Call ElectraSoft at 281-261-0307 or Send it to:
| ElectraSoft, 3207 Carmel Valley Dr, MISSOURI CITY, TX 77459-3068
| BBS: 281-499-5939 FAX: 281-499-8423
| email: FaxMail@ElectraSoft.com or jonk@blkbox.com
|
| Where did you find FaxMail:_____
|
| email:_____
=====

```

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