How to configure Symantec/Delrina WinFax Pro v7.0x to receive and store faxes in the ZyXEL Elite 2864 DRAM

preliminary version: v0.01 (07/30/96)
editor: Manfred Recla

there exist three possibilities how to configure WinFax Pro v7.0x for Windows95 to receive faxes offline using the ZyXEL Elite 2864 (and
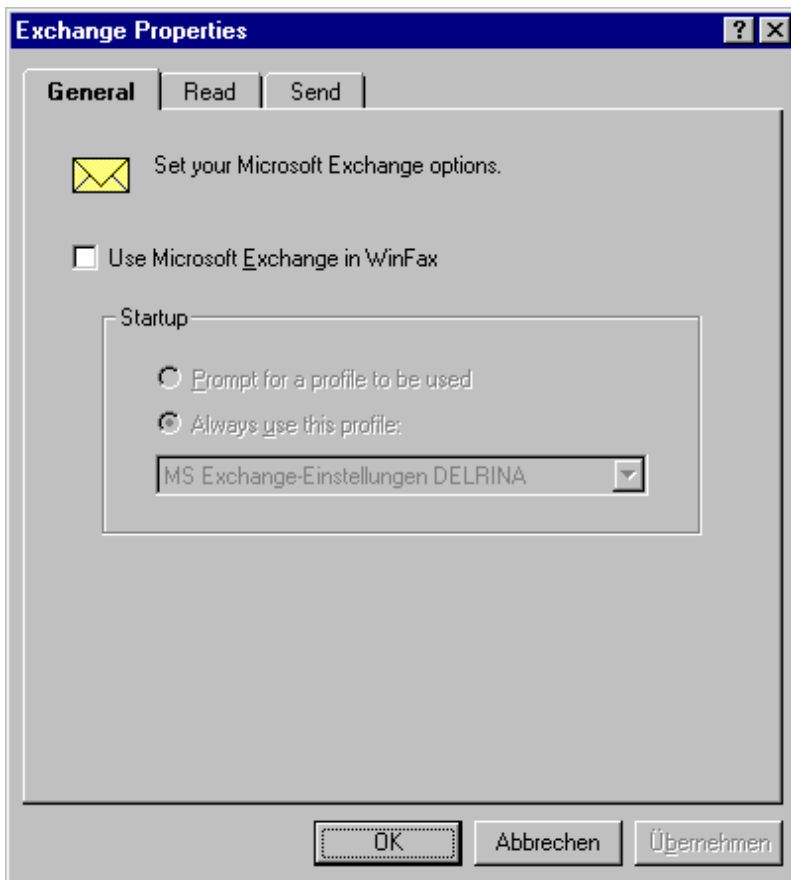the ZyXEL Elite 2864I ISDN hybrid modemas well):

1.) WinFax Pro hooked on direct COM port connection
2.) WinFax Pro without Microsoft Exchange/At-Work-Fax
    hooked on TAPI driver "ZyXEL Elite 2864, Plug and Play"
3.) WinFax Pro with Microsoft Exchange/At-Work-Fax
    hooked on TAPI driver "ZyXEL Fax into DRAM, Elite 2864"
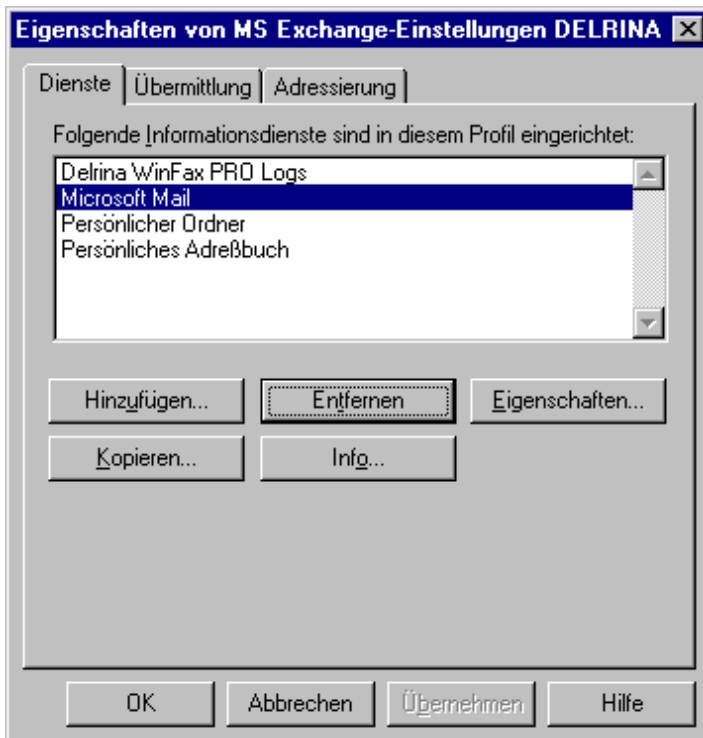

btw: this document is based on following versions:
     Symantec/Delrina WinFax Pro v7.02 (03/04/96)
     ZyXEL Elite 2864I ISDN firmware v2.03 (07/12/96)
     "MDMZYXLG.INF" ZyXEL modem description file for Windows95
                     internal rev. 41 (07/23/96)

**1.) which additional user defined settings must be entered when
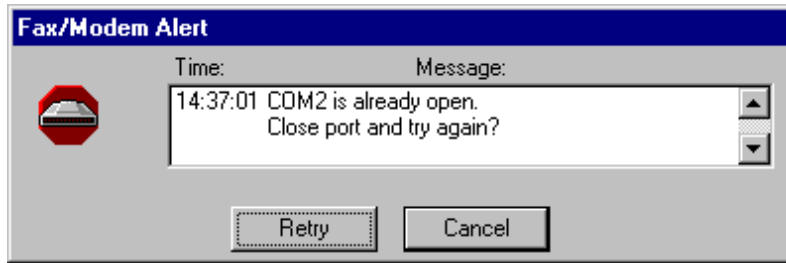   you install WinFax Pro v7.02 to communicate directly with
     any COM port ?**

First of all please check in the WinFax Pro v7.02 pull down menue
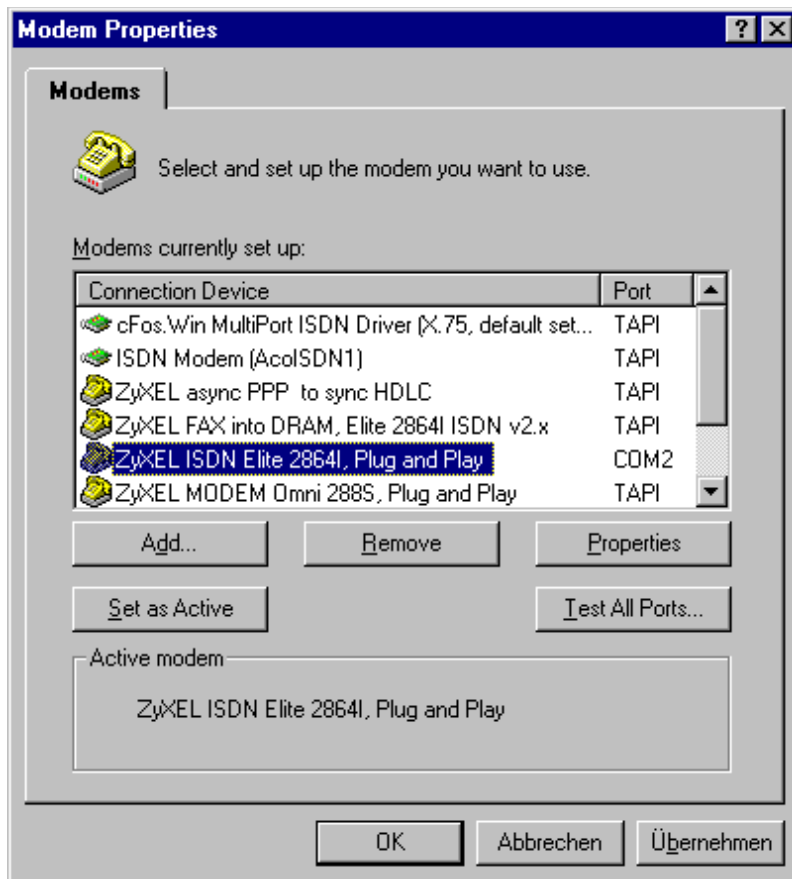"Setup" that the use for Microsoft Exchange is disabled ...

Exchange Properties

General | Read | Send

Set your Microsoft Exchange options.

☐ Use Microsoft Exchange in WinFax

Startup
  ○ Prompt for a profile to be used
  ● Always use this profile:
    MS Exchange-Einstellungen DELRINA ▼

[OK] [Abbrechen] [Übernehmen]

(or - if you really need Exchange Mail - then have a look into
it's properties and remove the "Microsoft Fax" information
service !)

Eigenschaften von MS Exchange-Einstellungen DELRINA

Dienste | Übermittlung | Adressierung

Folgende Informationsdienste sind in diesem Profil eingerichtet:

```
Delrina WinFax PRO Logs
Microsoft Mail
Persönlicher Ordner
Persönliches Adreßbuch
```

[Hinzufügen...] [Entfernen] [Eigenschaften...]
[Kopieren...] [Info...]

[OK] [Abbrechen] [Übernehmen] [Hilfe]

otherwise you could get following alert message:

Fax/Modem Alert

Time:	Message:
	14:37:01 COM2 is already open.
	Close port and try again?

Retry   Cancel

In WinFax Pro v7.02 pull down menu "Setup" you then should
check the modem properties as follows:

Modem Properties

Modems

Select and set up the modem you want to use.

Modems currently set up:

Connection Device	Port
cFos.Win MultiPort ISDN Driver (X.75, default set...	TAPI
ISDN Modem (AcolSDN1)	TAPI
ZyXEL async PPP to sync HDLC	TAPI
ZyXEL FAX into DRAM, Elite 2864I ISDN v2.x	TAPI
ZyXEL ISDN Elite 2864I, Plug and Play	COM2
ZyXEL MODEM Omni 288S, Plug and Play	TAPI

Add...   Remove   Properties

Set as Active   Test All Ports...

Active modem

ZyXEL ISDN Elite 2864I, Plug and Play

OK   Abbrechen   Übernehmen

please choose that physical COM port on that you have connected
your modem:

Properties for: ZyXEL ISDN Elite 2864I, Plug and Play

General | Fax

Set your general modem properties.

Communications port

COM2

- COM2
- COM3
- COM5
- TAPI

Volume

Off ———————————————— High

☑ On until connected

Fax/modem type

Class 2

[OK] [Abbrechen] [Übernehmen]
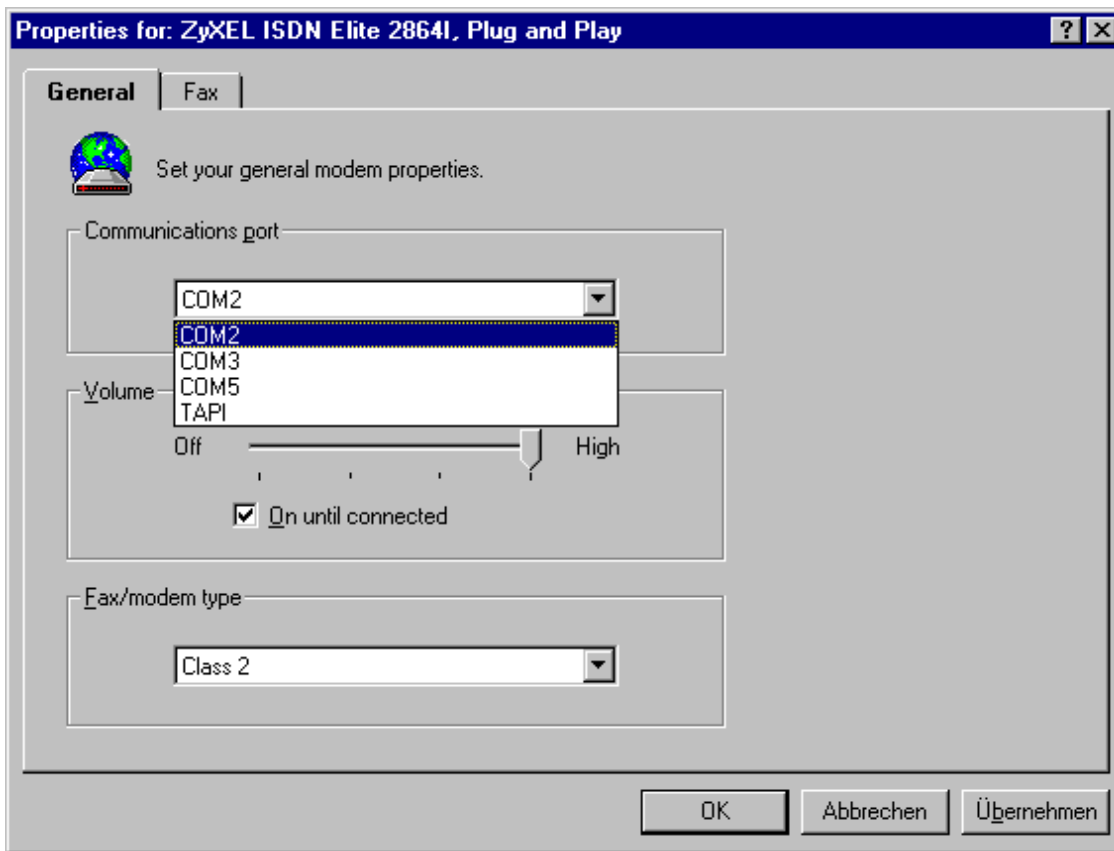
now modify the user defined initialization strings as shown below:
The +FZF=3 is for receiving fax offline into ZyXEL Elite's DRAM and
to disconnect if the incoming call is a data call.

For the different possibilities and functions for direct fax
reception and printing (AT+FZF=n) please read the ZyXEL Elite 2864
User's Manual in chapter 15

Properties for: ZyXEL ISDN Elite 2864I, Plug and Play

General | **Fax**

Set your fax/modem properties.

My modem is connected to a [Regular ▼] telephone line, so use these settings when faxing.

Transmission speed

Maximum: [As fast as possible ▼]

Minimum: [Send at any rate ▼]

Options

☐ ECM for sending

☐ ECM for receiving

☐ High speed compression (2D)

Initialization string sequence

1. [AT&F&D3]
2. [AT+FCLASS=Z+FZF=3]
3. [AT&W0Z0]
4. [ ]

Flow control: [AT&H3]

☑ Use hardware flow control

Reset: [ATZH0]

[Default]

[OK] [Abbrechen] [Übernehmen]

ATTENTION: for the ZyXEL Elite 2864I ISDN hybrid modem please
            set the first user defined initialization string to:
            AT&F&D3S89.4=1&L1

If your ZyXEL Elite 2864 indicates that it has stored faxes into
its DRAM then the FAX LED will flash. So this is a sign for you to
MANUALLY receive the faxes from the DRAM. Just click on the pull
down menue "Receive" and select the "Manual Receive Now" entry as
long as the FAX LED won't flash anymore and is constantly off.

ATTENTION: you can retrieve the faxes from the DRAM only if the
            type of fax/modem in WinFax Pro v7.02 is set to
            "Class 2" !

Delrina WinFax PRO Status

| Operation:	Receiving page (MH)...
Identifier:	0043 1 4895797
Current page:	
Destination:	
Fax number:	

Page: 1
Speed: 9600 bps

Cancel

2.) which additional user defined settings must be entered when you install WinFax Pro v7.02 to communicate without Microsoft Exchange/At-Work-Fax and with a TAPI driver ?
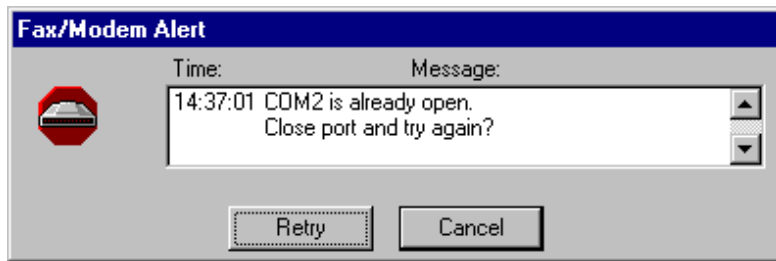
First of all please check in the WinFax Pro v7.02 pull down menue "Setup" that the use for Microsoft Exchange is disabled ...
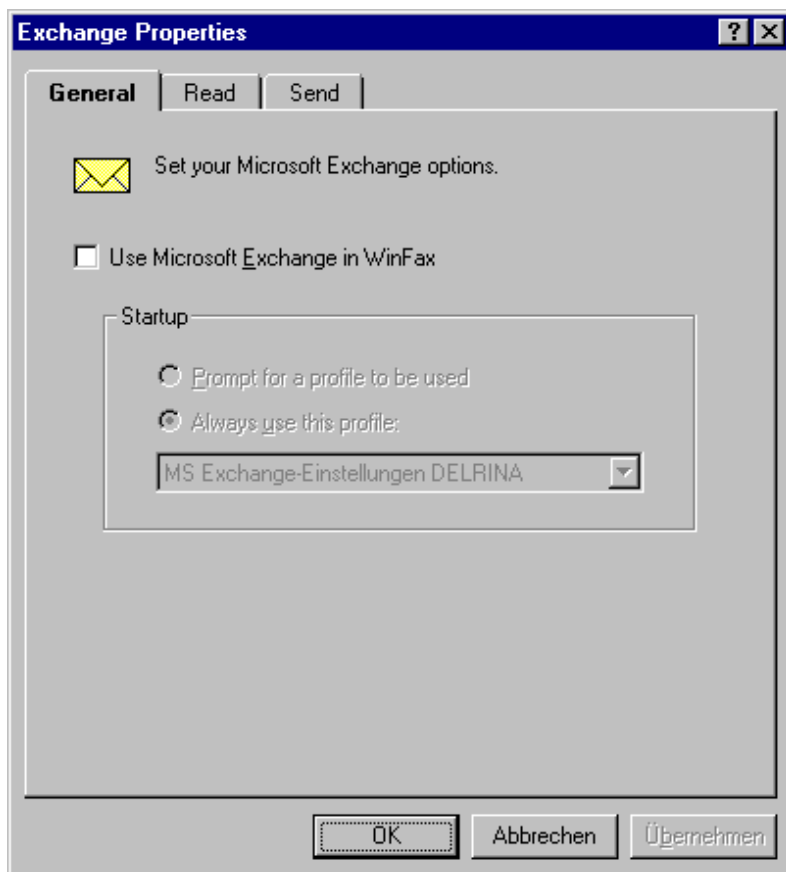
(or - if you really need Exchange Mail - then have a look into
it's properties and remove the "Microsoft Fax" information
service !)
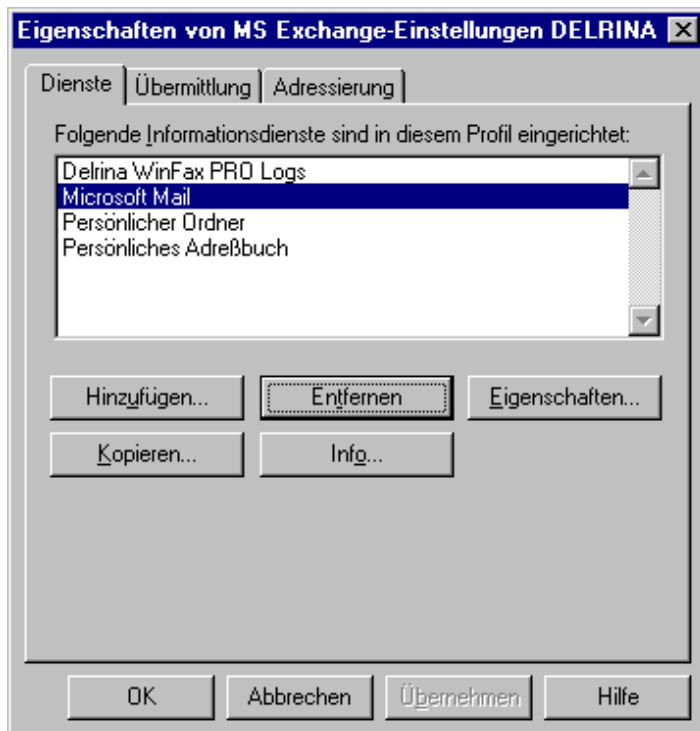
otherwise you could get following alert message:

please open the "Start|Settings|Control Panel|Modems"
and check following modem properties:
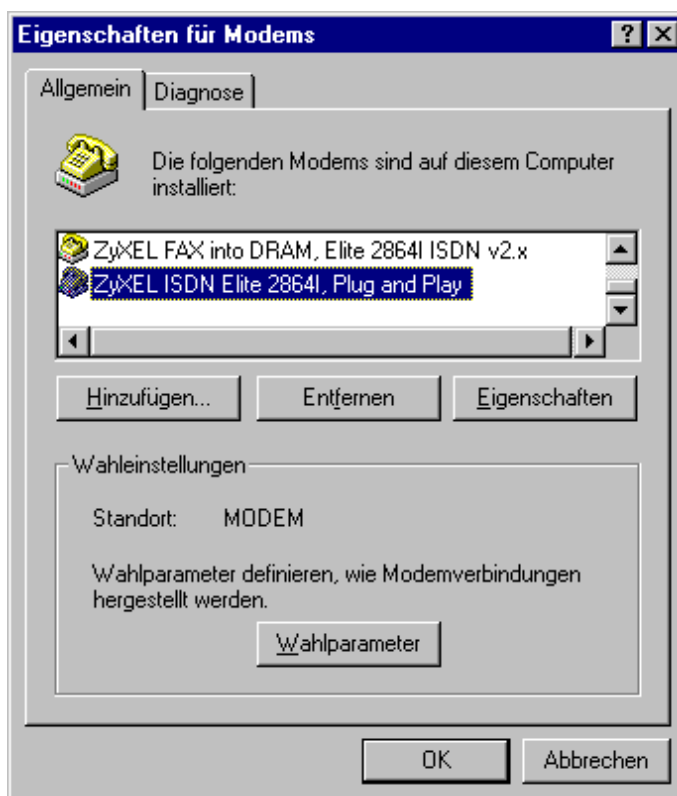
ATTENTION: If you use the ZyXEL Elite 2864I ISDN hybrid modem
          then you should check the "Tone" or "MVF" dialing
          mode in the dialing parameters dialog box so that
          this TAPI driver will use the "ATDM" (dial modem)
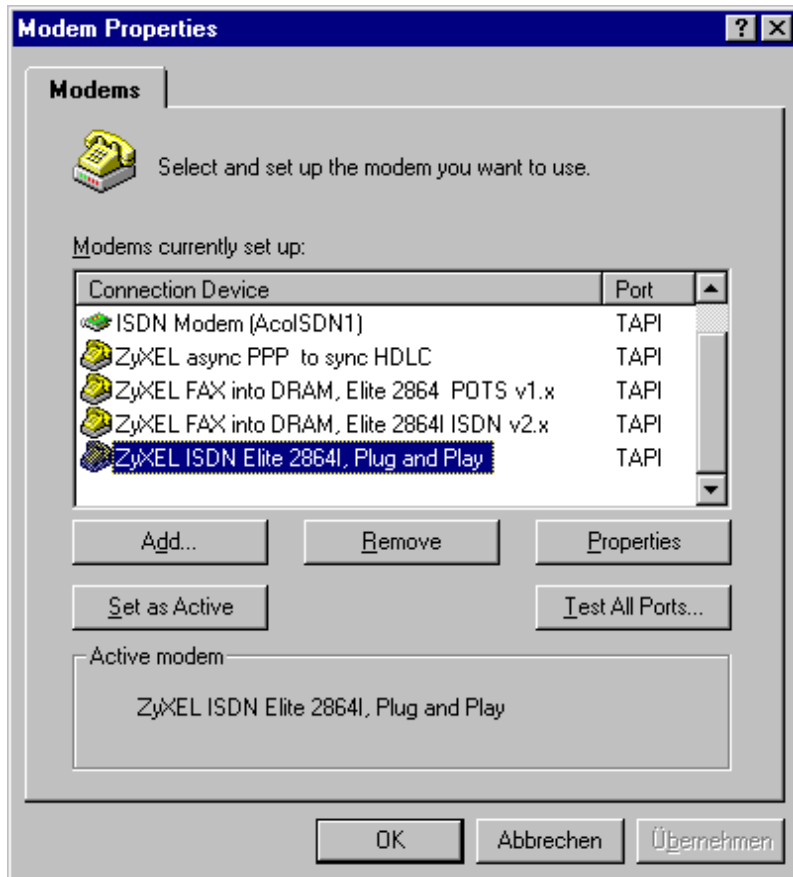   command for outgoing fax/modem calls !
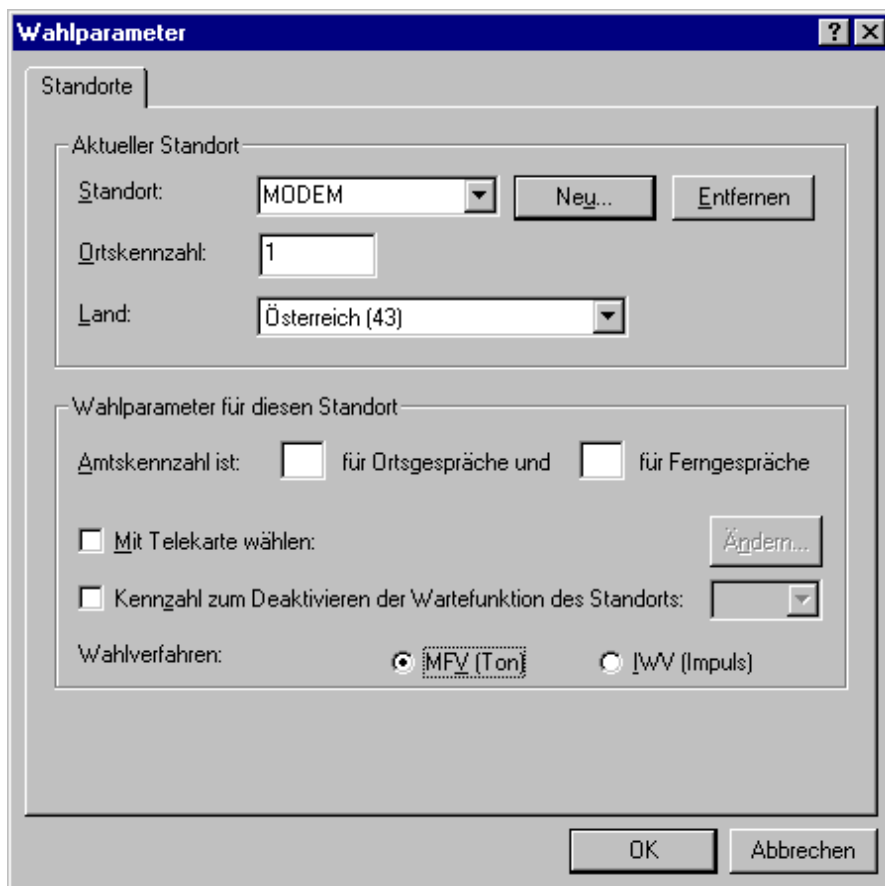
In the advanced connection settings dialog box of the modem properties you should add in the "Extra settings" editable field the modem command as follows:
(Please be noted that there is a ";" character between the *FZF=3 and the &D3
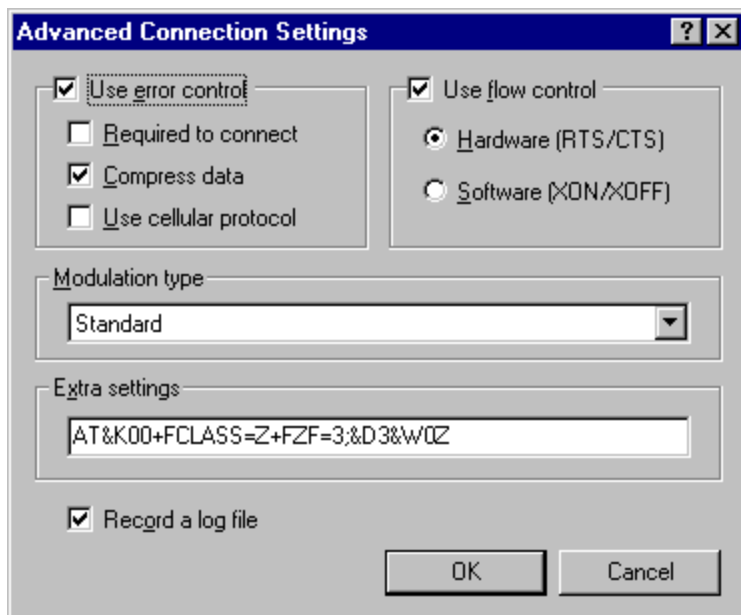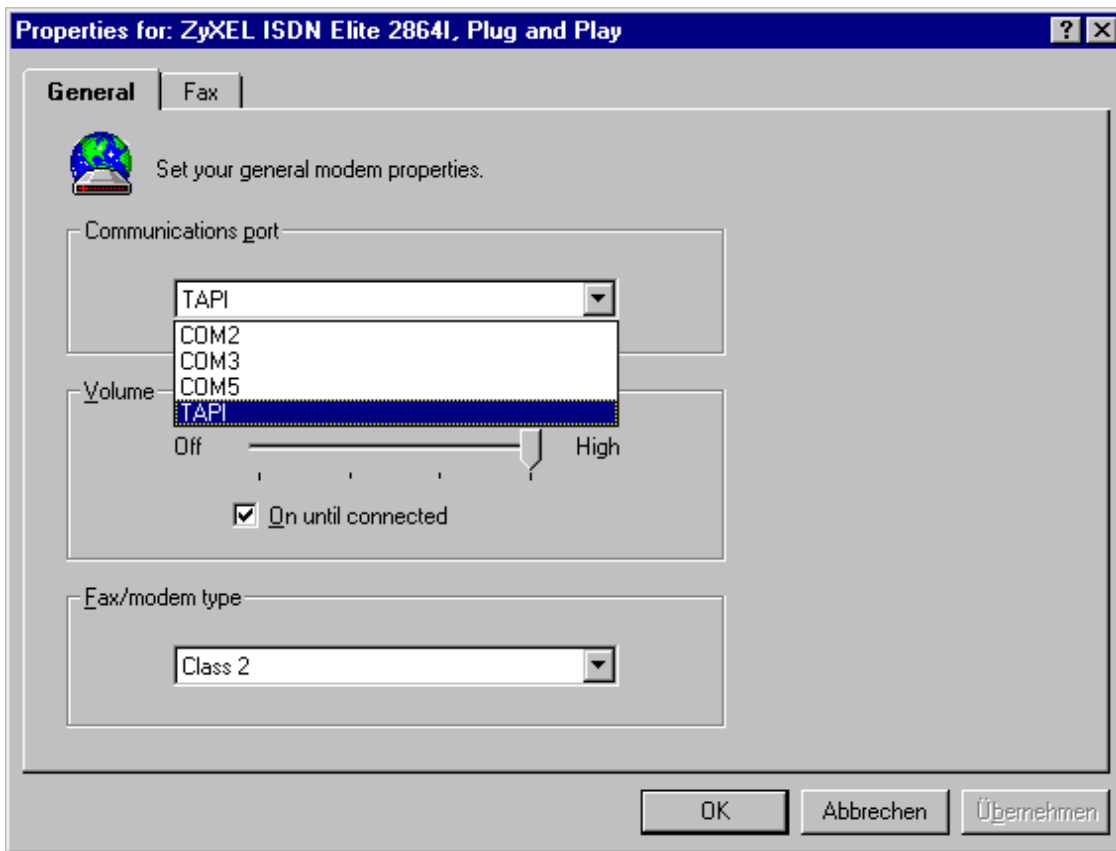
ATTENTION: if you use the ZyXEL Elite 2864I ISDN hybrid modem
            then add the S89.4=1&L1 commands before the &W0 !
            The complete string then will be:
   AT&K00+FCLASS=Z+FZF=3;&D3S89.4=1&L1&W0Z

In WinFax Pro v7.02 pull down menu "Setup" you then should
check the modem properties as follows:

please choose the TAPI port:

Properties for: ZyXEL ISDN Elite 2864I, Plug and Play

General | Fax

Set your general modem properties.

Communications port

TAPI

COM2
COM3
COM5
TAPI

Volume

Off ———————————————— High

☑ On until connected

Fax/modem type

Class 2

OK | Abbrechen | Übernehmen

ATTENTION: the user defined initalization strings of WinFax Pro v7.x
won't be sent to the modem in the TAPI mode !
So they are NOT important.
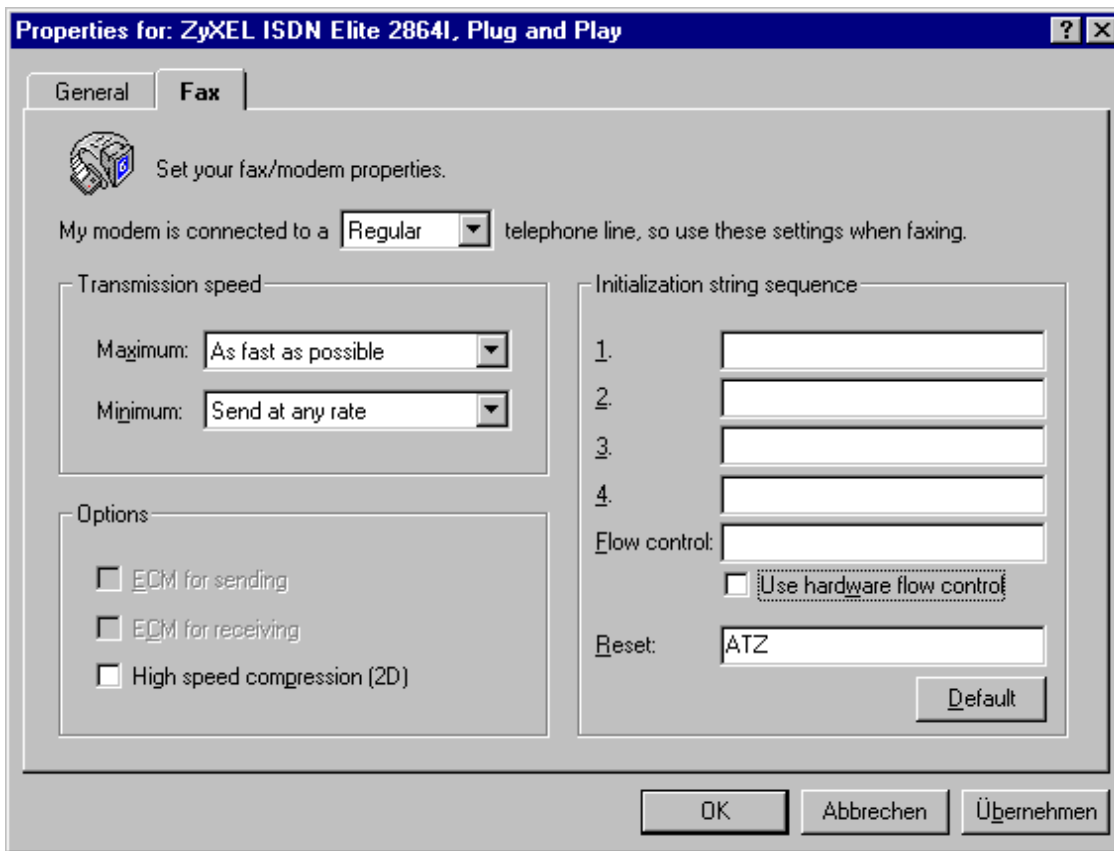
If your ZyXEL Elite 2864 indicates that it has stored faxes into
its DRAM then the FAX LED will flash. So this is a sign for you to
MANUALLY receive the faxes from the DRAM. Just click on the pull
down menue "Receive" and select the "Manual Receive Now" entry as
long as the FAX LED won't flash anymore and is constantly off.

ATTENTION: you can retrieve the faxes from the DRAM only if the
             type of fax/modem in WinFax Pro v7.02 is set to
   "Class 2" !

**3.) which additional user defined settings must be entered when
    you install WinFax Pro v7.0x to communicate WITH (!) Microsoft
    Exchange/At-Work-Fax and with a TAPI driver ?**

First check in the "Start|Settings|Control Panel|Mail and Fax"
that the "Microsoft Fax" service is displayed in the service list.
Otherwise add this service !

I recommend to create a completely new set of services, in my
example it is called "MS Exchange-Einstellungen DELRINA"
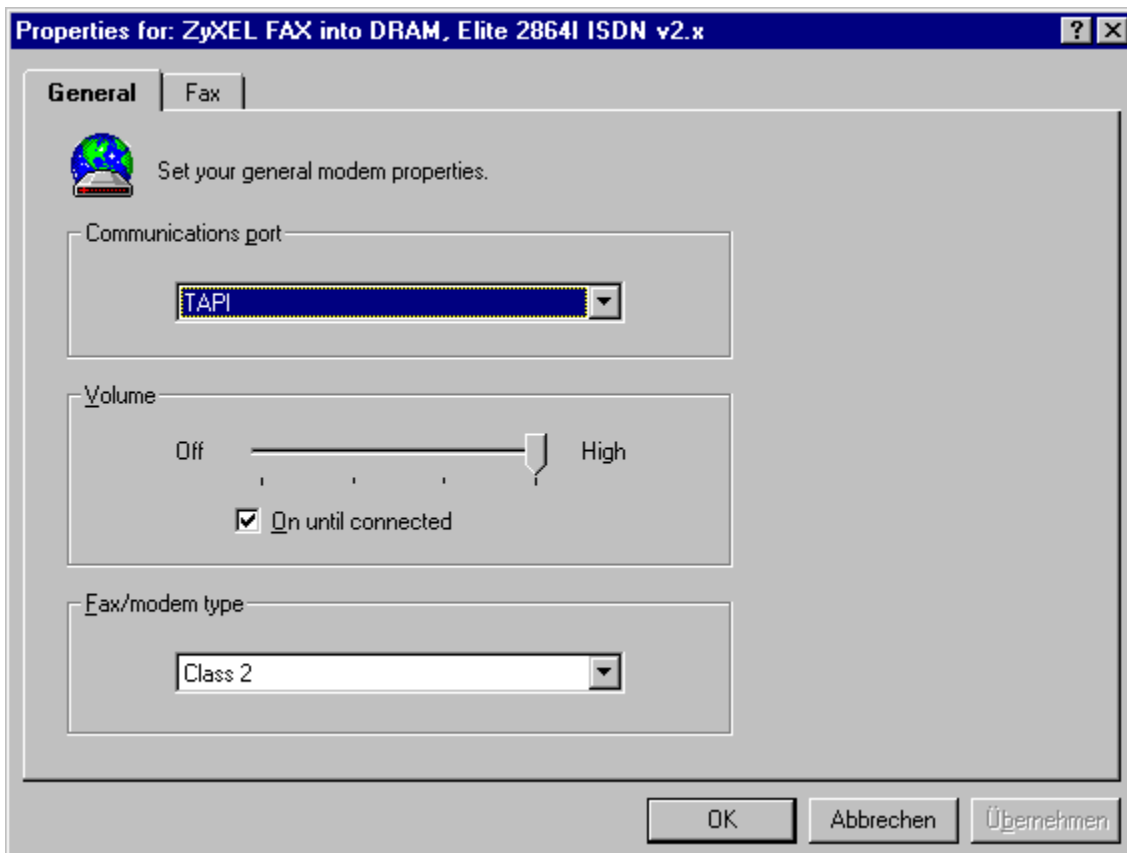because this will be activated by WinFax Pro v7.0x as desribed
later:
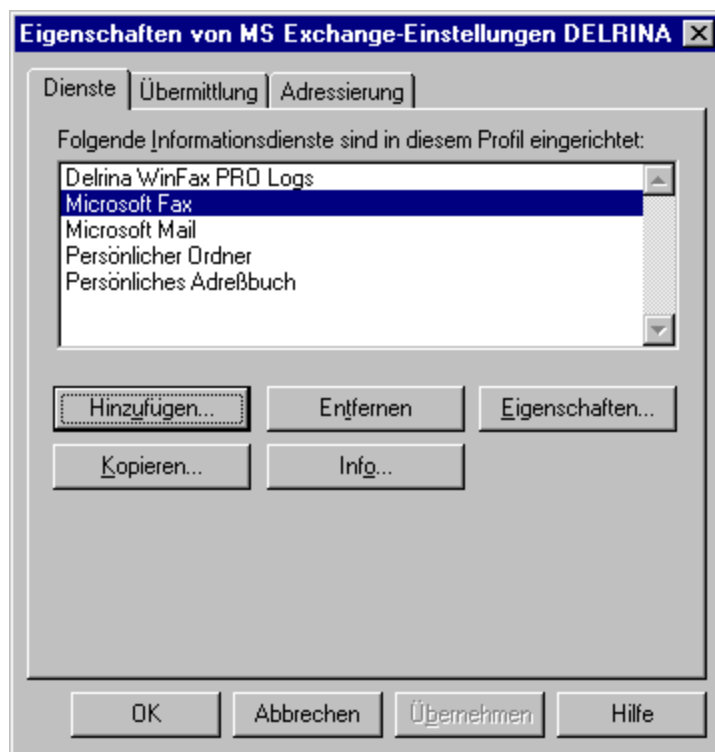
when you are asked to select the default fax modem please
select the "ZyXEL FAX into DRAM, Elite 2864 POTS v1.x"
or if you use the ISDN hybrid modem then selectthe
"ZyXEL FAX into DRAM, Elite 2864I ISDN v2.x" as it is
shown in following screen shot:
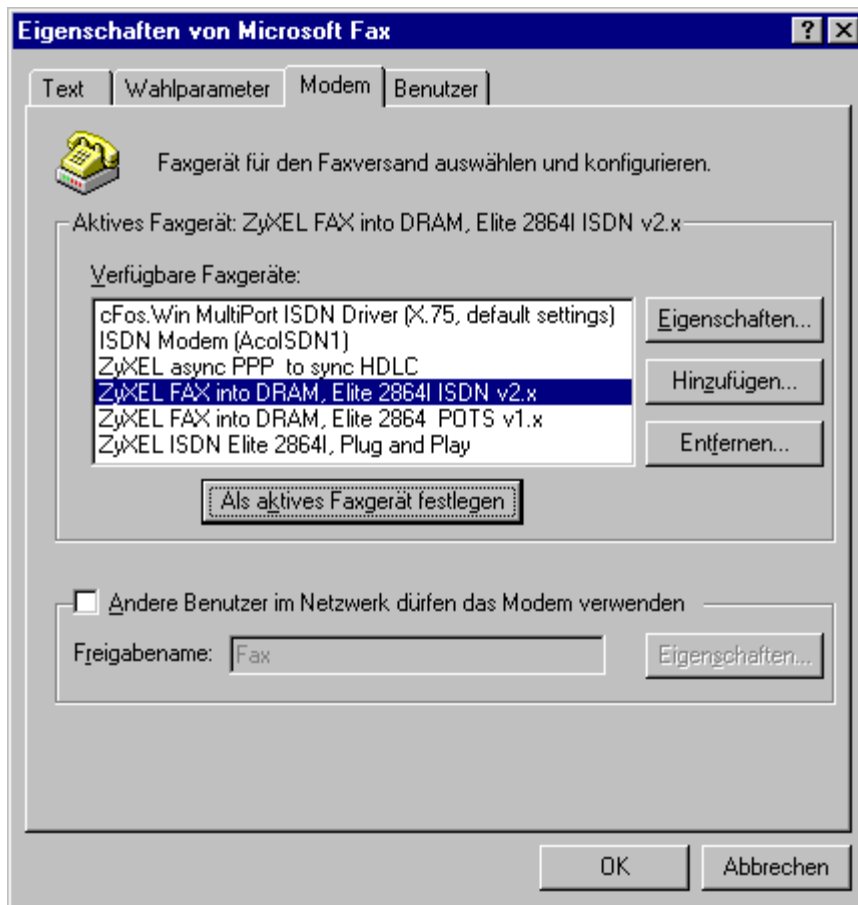
The next step is to enable in WinFax Pro's "Setup" pull
down menue the usage for "Microsoft Exchange in WinFax"
and select the appropriate set of services for Exchange
as in following example sreen shot:
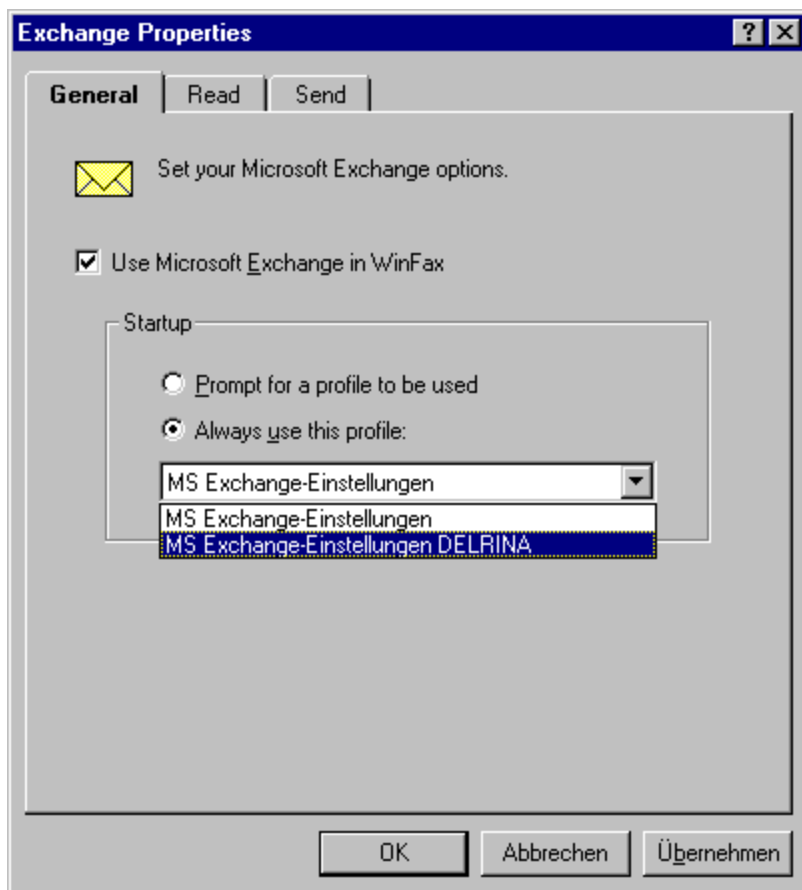
No you should also check that in the WinFax Pro v7.0x
modem setup you select the same modem entry as you
have selected for Micosoft Exchange:
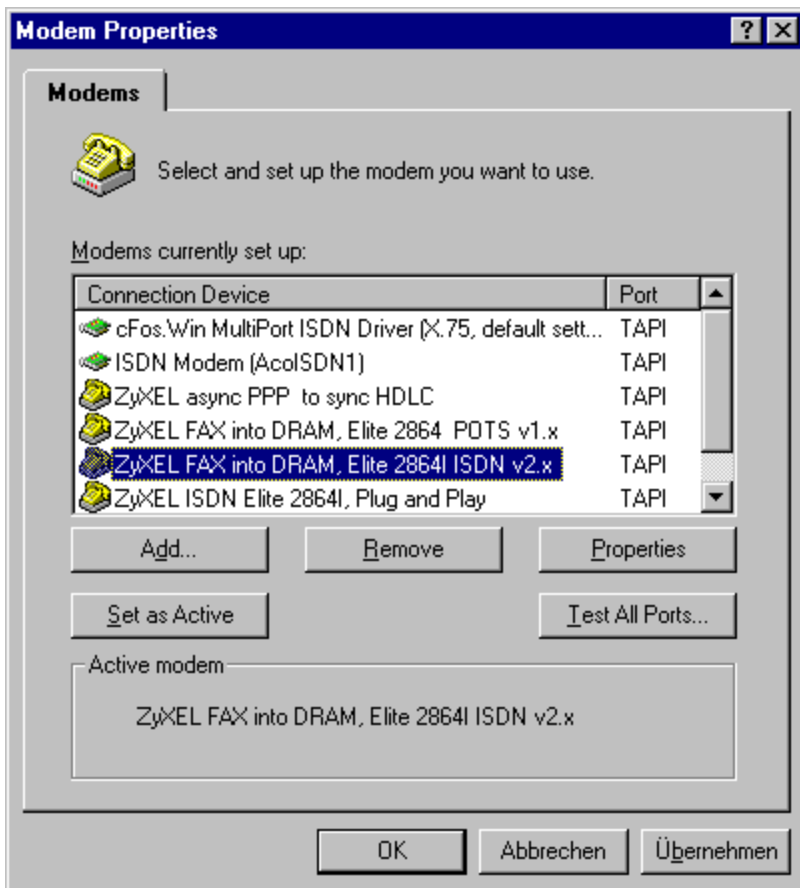
Modem Properties ? X

Modems

Select and set up the modem you want to use.

Modems currently set up:

Connection Device	Port
cFos.Win MultiPort ISDN Driver (X.75, default sett...	TAPI
ISDN Modem (AcolSDN1)	TAPI
ZyXEL async PPP to sync HDLC	TAPI
ZyXEL FAX into DRAM, Elite 2864 POTS v1.x	TAPI
ZyXEL FAX into DRAM, Elite 2864I ISDN v2.x	TAPI
ZyXEL ISDN Elite 2864I, Plug and Play	TAPI

[Add...] [Remove] [Properties]

[Set as Active] [Test All Ports...]

Active modem

ZyXEL FAX into DRAM, Elite 2864I ISDN v2.x

[OK] [Abbrechen] [Übernehmen]

Properties for: ZyXEL FAX into DRAM, Elite 2864I ISDN v2.x ? X

General Fax

Set your general modem properties.

Communications port

[TAPI ▼]

Volume

Off ———————|—— High

☑ On until connected

Fax/modem type

[Class 2 ▼]

[OK] [Abbrechen] [Übernehmen]

If your ZyXEL Elite 2864 indicates that it has stored faxes into

its DRAM then the FAX LED will flash. So this is a sign for you to
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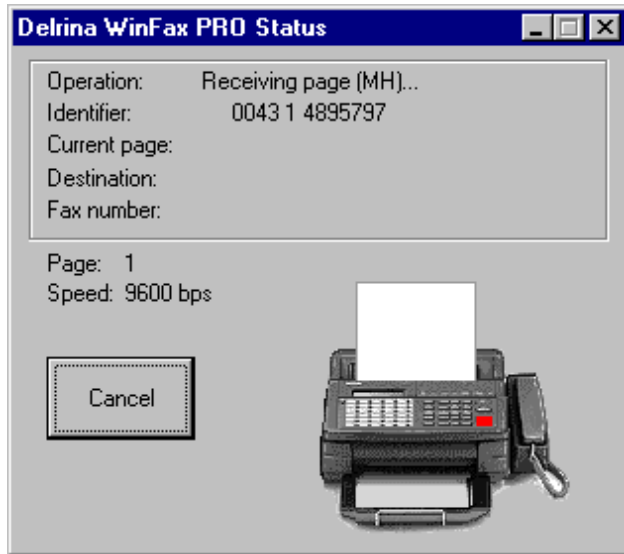
If you have still problems in offline receiving faxes into DRAM
please contact your local authorized ZyXEL distributor in your
country.

PS: currently we know of a bug in the firmware v1.12 for the
ZyXEL Elite 2864 (analog modem !) that this prevents the offline
fax receiving (ie. DTR signal is off). You should request at
least the emergency firmware v1.12f (07/05/96) where this bug
has been fixed. This is not a public firmware release so you
won't find it on the Internet or in any official ZyXEL Support
BBS !

electronic greetings from Vienna
Manfred Recla

****
  SES Datensysteme, authorized ZyXEL Distributor [Austria]
  ZyXEL Technical Database Europe - Coordination Center
  E-Mail: support@zyxel.co.at (Manfred Recla)
  FTP: ftp://ftp.zyxel.co.at/pub/users/zyxel/
  WWW: http://www.zyxel.co.at/zyxel/
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