



BAS Application Note 011

Using a US Robotics 14,400 Internal Fax-Modem

The standard modem provided by BAS is a Gateway Telepath II 14,400 internal fax-modem. This modem is manufactured by US Robotics and is supposed to be identical to their Sportster 14,400 internal fax-modem. Some Sportster modems have had trouble when used with BAS remote software. The following recommendations come from USR tech support. They are not necessarily listed in order of importance.

1. Verify modem jumpers/dip switches set to factory defaults. If using COM1 then configure to I/O 03F8/IRQ 4, COM2 set to I/O 02F8/IRQ 3.
2. Verify no other hardware conflicts at I/O address and IRQ used by modem. Must determine using diagnostic software, like MSD.
3. Make sure that settings in Windows/Control Panel/Ports/Settings is configured for Hardware flow control.
4. Make sure that settings in Windows/Control Panel/Ports/Settings/Advanced matches the modem configuration for I/O and IRQ.
5. If using Windows 3.1, upgrade to Windows for Workgroups 3.11. The comm driver has significant changes from the 3.1 version.
6. As a last resort, use a text editor such as Notepad to make the following changes to \ez\data\dial.te2. The new script commands are underlined, the existing commands to be removed are in brackets [].

```
DIAL SCRIPT
:RESET
[ TRANSMIT ATZ^M ]
TRANSMIT ATZ1^M
PAUSE 2
WAITFOR OK,5
IFFOUND DEFAULTS
GOTO RESET
```

```
:DEFAULTS
[TRANSMIT AT&F^M]
TRANSMIT AT&F1^M
PAUSE 2
WAITFOR OK,5
IFFOUND INIT1
GOTO DEFAULTS
```

```
:INIT1  
[TRANSMIT AT&C1&D2&R2&H1&B1&S1B0X4S7=60S10=50^M]  
TRANSMIT AT&C1&D2&R2&H1&B1&S0B0X4S7=60S10=50^M  
PAUSE 2  
WAITFOR OK,5  
IFFOUND INIT2  
GOTO INIT1
```

```
:INIT2  
TRANSMIT AT&A0M1L0^M  
PAUSE 2  
WAITFOR OK,5  
IFFOUND WRITE  
GOTO INIT2
```

```
:WRITE  
[TRANSMIT AT&W^M]  
TRANSMIT AT&W0^M  
PAUSE 2  
WAITFOR OK,5  
IFFOUND DIAL  
GOTO WRITE
```

```
:DIAL  
TRANSMIT ATDT$PHONE$^M  
PAUSE 60  
CLOSE
```