



IBM 7851-002 Modem Setup Instructions

Before You Begin

NOTE: Since these modems are used in pairs, that is, one at the host end and one at the micro end, do **NOT** use the IBM 7851-002 modem in conjunction with a Packard Bell 9600 modem.

In this package, you received:

- ☐ the IBM 7851-002 modem
- ☐ firmware diskettes for Secure Perfect, Entry Perfect and Picture Perfect
- ☐ this instructional document

The setup of this modem depends on the product you are using with this modem. If the modem will be used with a:

- host product, refer to the section below.
- micro product, refer to [page 3](#).

Host Products

If you are using this modem with:

- Picture Perfect, go to [page 2](#).
- Secure Perfect, go to [page 2](#).
- Entry Perfect, go to [page 3](#).

Picture Perfect

Minimum Version	1.50
Modem Setup	<ol style="list-style-type: none">1. Within Picture Perfect, select Devices, then Ports.2. Set the STOP Bits to: 23. Click on <i>SAVE</i>, then <i>QUIT</i>.4. Select Devices, then Modems.5. Complete the fields. For the Initialization and Deinitialization fields enter: AT&FE0X3V1&C1&D2S0=1S7=60&Q0&W6. Click on <i>SAVE</i>.

Secure Perfect

NOTE 1: You **MUST** use the firmware diskettes included in this package for this modem to work properly.

NOTE 2: Use a modem cable that includes RTS, CTS, DSR, DTR, RLSD, TX, RX, and Ground.

Minimum Version	2.0.2
Modem Setup	<ol style="list-style-type: none">1. Click on <i>START</i>, Settings, then Control Panel.2. Double-click on the Modems icon.3. If you do not have one already set up, add a Standard 14400 Modem by clicking on the <i>ADD</i> button.4. Select Don't detect my modem; I will select it from a list then click on <i>NEXT</i>.5. From the Manufacturer's List, select (Standard Modem Types) and from the Models List, select Standard 14400 bps Modem.6. Click on <i>NEXT</i>.7. Select the COM port the modem is connected to and click on <i>NEXT</i>.8. Once the modem has been installed, click on <i>FINISH</i>.9. Highlight the modem you just added and click on the <i>PROPERTIES</i> button.10. Click on the Connection tab and set the Stop bits to 2.11. Click on the <i>ADVANCED</i> button and enter the following in the Extra Settings field: &Q0&D3&C1S0=112. Click on <i>OK</i>.13. Click on <i>OK</i>, then <i>CLOSE</i>.

Entry Perfect

NOTE: You **MUST** use the firmware diskettes included in this package for this modem to work properly.

Minimum Version	2.14a
Modem Setup	<ol style="list-style-type: none">1. From the Entry Perfect Main Menu, select <i>Configuration, Hardware</i>, then <i>Modem Control Data</i>.2. Move the cursor to the port to which the modem is connected and enter the following string: ATEVX4S0=1&Q0&C0&D0&K0&W

Micro Products

Picture Perfect

The modems for use with the micros must be preset with the following values. |

Micro/5-PX for Picture Perfect

Minimum Firmware Version	1.54
Modem Initialization String	ATE0Q0V1M1X4S0=1Y1&D0&W
Modem De-initialization String	ATE0Q0V1M1X4S0=1S7=60Y1

MicroProx for Picture Perfect

Minimum Firmware Version	1.54
Modem Initialization String	ATE0Q0V1M1X4S0=1Y1&D0&W
Modem De-initialization String	ATE0Q0V1M1X4S0=1S7=60Y1

Secure Perfect or Entry Perfect

All modems used with Secure Perfect or Entry Perfect must have their configurations preset from a PC prior to being placed in service.

To configure your IBM 7851-002 modem, follow the steps below:

1. Attach the modem to the serial port of a PC.
2. Running any DOS-based or Windows-based communications program that allows direct communication with a modem, send the following strings to the modem:

- For Micro/5-PX and Micro/5-E, send:

```
ATEVX4S0=1&C0&D0&K0&Q0&W0
```

and

```
ATEVX4S0=1&C0&D0&K0&Q0&W1
```

- For the Micro/5-E, you must also enter the telephone number(s) of the host using the command:

```
AT&Zn=++++
```

where:

n is the register (0, 1, 2, or 3) where the telephone number is stored,
and

++++ is the telephone number.

NOTE: The host telephone number(s) MUST be entered in all four registers. For example, if you only have one telephone number, enter the same number in all four registers.

- For MicroProx, send:

```
ATEV1X4S0=1&C0&D0&K0&Q0&W0
```

and

```
ATEV1X4S0=1&C0&D0&K0&Q0&W1
```

3. Attach the modem to the micro to begin the initialization process. The initialization strings shown below will automatically transmit from the micro to the modem.

Micro/5-PX for Secure Perfect

NOTE: You **MUST** flash the micro using the firmware diskettes included in this package for this modem to work properly.

Minimum Firmware Version	2.03
Modem Initialization String ^a	ATE0Q0V1M1X4S0=1S7=60Y1

a. The above string is pre-programmed into the Micro/5-PX.

Micro/5-E for Secure Perfect or Entry Perfect

NOTE: You **MUST** flash the micro using the firmware diskettes included in this package for this modem to work properly.

Minimum Firmware Version	2.14a
Modem Initialization String ^a	ATEQHV0TX4 S0=1 S7=25 &W

a. The above string is pre-programmed into the Micro/5-E.

MicroProx for Secure Perfect or Entry Perfect

NOTE: You **MUST** flash the micro using the firmware diskettes included in this package for this modem to work properly.

Minimum Firmware Version	2.03
Modem Initialization String ^a	ATE0Q0V1M1X4S0=1S7=60Y1

a. The above string is pre-programmed into the MicroProx.

NOTES

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