



**Bluetooth®**  
*Wireless Technology*

# Modem

56K Faxmodem for PDAs, notebooks, and other computers with Bluetooth

## Model 4300

The Zoom Model 4300 modem is equipped with Bluetooth wireless technology to provide untethered access to the Internet, e-mail, and fax communications using Bluetooth enabled PDAs and computers. Simply plug the Model 4300 into a standard phone jack and use your Bluetooth-enabled device to access the Model 4300's dial-up faxmodem. Now you can experience the freedom of communications unencumbered by phone cords or computer cables. The Model 4300 is a Class 1 Bluetooth device for support of wireless connections within a range of approximately 100 meters (328 feet) from the modem\*.

The Model 4300 connects to the Internet at uncompressed speeds of up to 56,000 bps downstream and 33,600 bps upstream. With compression, data rates can exceed 200,000 bps upstream and 120,000 bps downstream. The Bluetooth connection supports throughput speeds up to 723Kbps for full support of the modem's maximum speed.

The Model 4300 is also a full-featured external 56K V.90 faxmodem with a serial interface. The modem can be configured to connect to a computer through either the serial port or through the Bluetooth connection.

The Model 4300 supports telephone answering machine and voice mail functions when used with compatible software.

The Zoom Bluetooth Wireless Technology Modem is lightweight and compact for use in the office or on the road.

Installation and operation are easy. Simply plug the Model 4300 into AC power and then into a phone jack, access the Bluetooth management software on your Bluetooth-enabled laptop or PDA and you're soon ready to enjoy wireless connections using your Internet browser, data communications software, or fax software.

### Features:

- Provides a dial up Internet connection to Bluetooth enabled devices such as a desktop computer, notebook computer, or a Personal Digital Assistant (PDA).
- Provides wireless send and receive fax at speeds up to 14,400 bps to Bluetooth enabled computers
- V.90 56Kbps and slower data communications speeds.
- Works as a wired voice faxmodem with any Windows, Macintosh, or other computer having an RS-232 port.
- Bluetooth Class 1 device for wireless communications at up to 100 meters (328 feet)\*.
- Bluetooth key provides security from unauthorized access using the E1 security algorithm and the EO cipher.
- Documentation provided in English and Spanish.
- Compliant with the EU Restriction of Hazardous Substances (RoHS) directive

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## System Requirements

For wireless operation, the Model 4300 must communicate with a Windows 98SE or later PC that has built-in Bluetooth capability or a Bluetooth adapter, or a PDA with built-in Bluetooth capability or a Bluetooth adapter. This device is not supported by Macintosh's built-in Bluetooth. Mac users can only use the Model 4300 through the modem serial port.

For operation as a serial modem, the Model 4300 will operate with any computer having a serial or COM port.

## Faxmodem Specifications

Data Speeds	<ul style="list-style-type: none"> <li>- 56,000 bps receive/33,600 bps send in V.90 mode</li> <li>- 300 to 33,600 bps full-duplex supporting international and Bell standards</li> </ul>
Fax Speeds	<ul style="list-style-type: none"> <li>- 300 to 14,400 bps, Group 3, Class 1</li> </ul>
Standards Supported	<ul style="list-style-type: none"> <li>- Data: V.90, V.34, V.32bis, V.22bis, V.22A/B, V.22, V.23, V.21, Bell 103/212A</li> <li>- Compression: V.42bis, MNP5</li> <li>- Error control: V.42, MNP2-4, MNP10</li> <li>- Hayes AT command set compatible</li> <li>- V.22bis fast connect</li> <li>- Fax: V.17, V.29, V.27ter and V.21 channel 2; EIA/TIA 578 Class 1 and T.31 Class 1.0 commands, EIA/TIA Class 2 commands</li> <li>- Telephony/Telephone Answering Machine: 2 bit and 4 bit Conexant ADPCM, 8-bit linear PCM, and 4-bit IMA coding; 8kHz sample rate, concurrent DTMF and ring detection</li> <li>- Video: V.80 for H.324 (videophone) capability</li> </ul>
Dialing	<ul style="list-style-type: none"> <li>- Supports programmable duration DTMF (Touchtones)</li> <li>- Supports pulse dialing</li> <li>- Call progress tone detection (dialtones, busy, ring, etc.)</li> </ul>
Additional Features	<ul style="list-style-type: none"> <li>- On-board controller and DSP</li> <li>- Six LED status indicators: Power, Bluetooth Link, Bluetooth Activity, Modem Sending, Modem Receiving, Off Hook</li> </ul>
Bluetooth Specifications	<ul style="list-style-type: none"> <li>- Compliant with Bluetooth Specification V1.2</li> <li>- Provides Class 1 performance with no external power amplifier</li> <li>- Provides built-in security using a link key provided in a secure environment, E1 security algorithm and EO cipher</li> <li>- Link key prevents unauthorized access to the modem</li> </ul>
Regulatory Approvals	<ul style="list-style-type: none"> <li>- FCC parts 15B and 68</li> <li>- UL, C-UL</li> <li>- Industry Canada</li> <li>- CE approved</li> <li>- RoHS Lead-free compliant</li> </ul>
Physical Specifications	<ul style="list-style-type: none"> <li>- 3.8 inches X 3.1 inches X .88 inches (9.7 cm X 7.9 cm X 2.2 cm) exclusive of 3-inch tall pivoting antenna (7.6 cm antenna)</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>- Two year, limited warranty</li> </ul>

\* Range is impacted by building materials and interference.



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## Package contents:

- Bluetooth Wireless Technology Modem
- Country-specific power cube
- Phone cord with two RJ-11 male connectors, UK phone adapter provided in Model 4300-72-00AF
- Manual and software on CD
- Two Velcro™ wall-mounting strips