



## ZOOM/FaxModem 56K External (RS-232) Controller-based for Windows®, Macintosh® & Linux Model 2949/2945

### About the Zoom/FaxModem 56K External

- On-board DSP for high performance
- On-board Controller for extra gaming and multimedia power
- Channel 2™ call waiting feature
- ZoomGuard™ "Proven Superior" lightning protection
- Videophone-ready
- Voice Mail (requires soundcard)
- Flash memory for easy upgrades
- Traditional Zoom quality and value

The Zoom/FaxModem 56K External Model 2949 (Model 2945 for Mac) is Zoom's classic, award-winning, external fax modem. It plugs into the serial (RS-232C) port of a Windows, Macintosh or Linux-based desktop computer. The Zoom/FaxModem 56K External Model 2949/2945's performance is further enhanced by its on-board controller and DSP (Digital Signal Processor).

The Zoom/FaxModem Model 2949/2945 is capable of receiving data from an Internet Service Provider (ISP) or online service over standard phone lines at speeds up to 56 Kbps uncompressed. Outgoing data is transmitted at speeds up to 33.6 Kbps.

The Zoom/FaxModem 56K External Model 2949/2945 is Dualmode; supporting both the V.90 ITU Standard and K56flex, the commonly used pre-standard 56K technology. The modem automatically selects V.90, K56flex, 33.6 Kbps or slower speed to achieve the fastest compatible connection speed.

Like all Zoom Dualmode modems, the Zoom Model 2949/2945 includes V.80 capability for compatibility with H.324 standard point-to-point video telephony over regular phone lines. It also supports Group 3, Class 1 Fax.

Additional features include Zoom's Channel 2™ Call Waiting support which allows selective answering of incoming voice calls during Web browsing. The Channel 2 feature works in conjunction with the Call Waiting service available from most phone companies. It functions with all ISPs (including AOL) and popular browsers.

The Model 2949/2945 also features ZoomGuard™. ZoomGuard provides superior protection against lightning, the number one cause of modem failure. ZoomGuard is not only better than the "varistor" protection found on other modems, but also outperforms most stand-alone surge protectors.

Bundled software includes hardware drivers and utilities plus fax/voice/data communications, videoconferencing, Internet access, graphics editing and other useful programs.

The Zoom/FaxModem 56K External Model 2949/2945 is made and supported by Zoom Telephonics, Inc., and is backed by Zoom's outstanding seven year warranty.

### Features

- Multiple award-winning design
- PC and Mac models available
- Linux compatible
- High quality voicemail
- Supports V.80 video standard
- Backed by Zoom's extensive manufacturing and support experience



## ZOOM/FaxModem 56K External Controller-based

Model 2949/2945

# **ZOOM/FaxModem 56K External (RS-232)**

**Controller-based for Windows®, Macintosh® & Linux Model 2949/2945**

## **Data Speeds**

- Rate adaptive to yield highest possible data rates
- 56,000 bps receive/33,600 bps send with auto-negotiation of V.90 or K56flex.
- 300 to 33,600 bps full-duplex supporting all international and Bell standards.

## **Fax Speeds**

- 300 to 14,400 bps, Group 3, Class 1

## **Standards Supported**

- Data – V.90, K56flex, V.34, V.32bis, V.32, V.22bis, V.22 A/B, V.22, V.23, V.21, Bell 103/212A
- Compression – V.42bis, MNP5
- Error Control – V.42, MNP2-4
- Hayes™ AT and extended AT command set compatible
- V.80 for H.324 (videophone) compatibility

## **Operating System Support**

- Windows 95, 98, Me, 2000 (Plug and Play)
- Windows NT 4.0, Windows 3.1, Windows 3.11, DOS (jumper-selectable)
- Linux (jumper-selectable)
- Macintosh OS (Model 2945)

## **Dialing**

- Supports programmable duration DTMF (touchtone)
- Call progress tone detection (dial tones, busy, ring, etc.)

## **Video Support**

- V.80 (required for point-to-point H.324 video over standard phone lines)

## **Additional Features**

- Auto-answer
- Voice Mail (requires soundcard for message playback)
- Channel 2™ (call waiting)
- Flash memory
- 2 telephone jacks (RJ-11)

## **Regulatory Approvals**

- FCC Parts 15B and 68
- UL, C-UL
- Industry Canada
- CE Approved

## **Physical Specifications**

- 5.25 in. (13.3 cm) x 6.5 in. (16.5 cm) x 1.5 in. (3.8 cm)

## **Power Supply Cube**

- 120 VAC, 60 Hz input; 9 VDC, 600 mA nominal output (220 VAC export model available)

## **System Requirements**

- PC compatible or Macintosh computer with an available serial (RS-232C) port
- 16 MB RAM
- Hard drive

NOTE: Software is provided on CD-ROM (Also available on floppies or Web)

**Warranty:** Seven years



**zoom®**

**International  
Headquarters**

Zoom Telephonics, Inc.

207 South Street

Boston, MA 02111

617-423-1072

800-631-3116

Fax: 617-423-3923

www.zoom.com

NASDAQ: ZOOM

Made in U.S.A.  
©2001 Zoom Telephonics, Inc., 207 South Street, Boston, MA 02111. Zoom is a registered trademark of Zoom Telephonics, Inc. Windows 95, Windows 98, Windows 2000 and Windows NT 4.0 are registered trademarks of Microsoft Corporation. Macintosh, Mac and Mac OS are trademarks of Apple Computer, Inc.. All other registered trademarks and trademarks used herein are the property of their respective holders