



Bluetooth®
Wireless Technology

Adaptors



Model 4310 USB Adaptor Model 4312 PC Card Adaptor

The Zoom Bluetooth Adaptors plug into a personal computer to provide a wireless connection to another Bluetooth-enabled device, such as a modem, mobile phone, headset, computer, PDA or peripheral. Zoom Bluetooth adaptors are Class 1 Bluetooth devices, which allows them to provide a range of up to 100 meters (330 feet)*, the longest range provided under the Bluetooth standard. Zoom's Class 1 Bluetooth device will communicate with all other Bluetooth devices, including Class 1, Class 2 and Class 3 devices. When connecting to Class 2 and Class 3 devices, Zoom Bluetooth adaptors are limited to the significantly shorter range of the less powerful Bluetooth devices on the other end of the transmission.

Zoom Bluetooth adaptors support 723K bits per second data throughput, the maximum allowed by the Bluetooth standard.

The Model 4310 is a USB adaptor which plugs into the USB port of a Macintosh with OS X or greater or a Windows XP, Me, 2000, or 98SE computer. The Model 4310 includes an external antenna to increase range.

The Model 4312 is a PC Card which plugs into the PC Card slot of a Windows XP, Me, 2000, or 98SE computer. An external antenna can be extended from the body of the PC Card to increase range.

Zoom Bluetooth adaptors come complete with a software installation wizard which makes setup of the Bluetooth protocol stack fast and easy.

The Bluetooth Piconet protocol supports concurrent connections with up to seven other Bluetooth devices. Security is ensured with the implementation of a Bluetooth security key and data encryption. Each Zoom Bluetooth adaptor contains a unique link key that prevents unauthorized access to the attached computer. The key is transmitted in a secure environment to prevent interception. Unlike an 802.11 b/g wireless device, Bluetooth wireless links are not susceptible to eavesdropping and false authentication.

Zoom Bluetooth adaptors carry a two year warranty. Documentation is provided in English, Spanish and Portuguese.

Features:

- Class 1 Bluetooth Device with a maximum range of 100 meters (330 feet) *
- Communicates with Class 1, 2, and 3 Bluetooth devices
- Includes setup wizard for fast and easy software installation
- Provides secure wireless communications at data rates up to 723K bps
- Bluetooth V1.1 compliant
- Two year warranty
- Documentation provided in English, Spanish and Portuguese

Zoom Bluetooth Wireless Technology Adaptors

Model 4310
Model 4312

Hardware Specifications for both Model 4310 and 4312

- Compliant with Bluetooth Version 1.1
- Class 1 Bluetooth device with a range of up to 100 meters (330 feet)
- Connects concurrently with up to seven other Bluetooth devices
- Operates in the license-free 2.4 GHz to 2.4835 GHz frequency band
- 723K bps data rate
- Two-color LED status indicator: USB wake up, transmitting
- FCC and CE certification

Model 4310 Hardware Specifications

- Full-speed USB Version 1.1 interface
- Pivoting single sleeve dipole antenna, 60.2 mm long (2.37 inches)
- Dimensions: 72.2 mm long X 29.8 mm wide X 8.5 mm high (2.84" X 1.17" X .33"), width includes the antenna
- Power consumption Typical: 110mA/5V; Maximum transmit: 200mA/5V; Maximum receive: 80mA/5V; Idle: 26mA/5V

Model 4312 Hardware Specifications

- PC Card (PCMCIA) Type II fits Type II, III or Toshiba 16mm slot
- Dipole antenna can be extended from the body of the PC card, 63.5 mm long antenna (2.5 inches)
- Power consumption Typical: 110mA/5V; Maximum transmit: 200mA/5V; Maximum receive: 80mA/5V; Idle: 26mA/5V

Software Specifications for both Model 4310 and 4312

- Bluetooth V1.1 protocol stack
- The following Bluetooth networking profiles are provided: General Access Profile (GAP), Service Discovery Application Profile (SDAP), Serial Port Profile (SPP), Dial-up Networking Profile (DUN), Fax Profile, Local Area Network Access Profile (LAP), Generic Object Exchange Profile (GOEP), Object Push Profile (OPP), File Transfer Profile (FTP), Headset Profile, Personal Area Network Profile (PAN)
- Security software using encryption, authentication, pairing
- Drivers supported by Model 4310 USB: Windows 98SE, Me, 2000, XP, Macintosh OS 10.2 and higher
- Drivers supported by Model 4312 PC Card: Windows 98SE, Me, 2000, XP



International Headquarters

Zoom Telephonics, Inc.
207 South Street
Boston, MA 02111
USA
Tel: 617 423-1072
Fax: 617 423-3923

Nasdaq: ZOOM

email: sales@zoom.com

Website: www.zoom.com

European Sales/Support

Zoom/Hayes
430 Frimley Business Park
Frimley, Camberley
Surrey, GU16 7SY UK
Tel: +44 (0) 1276 704400
Fax +44 (0) 1276 704500

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Package contents:

Model 4310 USB Adaptor

- USB adaptor with Bluetooth Class 1 wireless technology Installation CD for Windows XP, ME, 2000 and 98SE operating systems (Macintosh OS 10.2 and later includes Bluetooth networking protocols compatible with the Model 4310)
- Quick Start Guide
- Two-year warranty

Model 4312 PC Card

- PC Card with Bluetooth Class 1 wireless technology Installation CD for Windows XP, ME, 2000 and 98SE operating systems
- Quick Start Guide
- Two-year warranty

* Range may be less due to interference, physical obstructions or other conditions.