

VoSKY™ EXCHANGE

Business Class VoIP Gateway for Skype

Actiontec Electronics breaks through another technological barrier with the VoSKY™ Exchange, the first Skype™ certified solution for virtually every type of PBX equipment. With this voice gateway, small and medium-sized businesses can finally take advantage of the largest free VoIP network in the world, resulting in huge savings on domestic and international long-distance calls.

Free or Low-Cost Internet Calling to your existing PBX*

Skype is the leading provider of free Internet telephony, and the VoSKY Exchange seamlessly connects it to your existing PBX system. Now, you and your officemates can make free Skype calls, or ultra-low cost standard calls. Not only that, VoSKY Exchange does away with the fixed monthly costs of adding lines to your PBX system.*

Three Ways to Save

The Exchange offers not one, but three ways to save over traditional phone lines:

- 1 Free calls from one Exchange-equipped site (i.e., headquarters) to another (i.e., any satellite office worldwide).
- 2 Free calls from one Exchange-equipped site (i.e., headquarters) to any Skype user worldwide.
- 3 Ultra low-cost (approx. 2¢/minute) international and domestic calls using SkypeOut™.**

Use With Your Existing PBX and Telephones

A major advantage of the VoSKY Exchange is its nearly seamless integration, which involves making absolutely no changes to your existing office PBX system. Just plug the VoSKY Exchange between your PBX and a computer running Windows XP to add outgoing Skype lines. There's no need to configure a Web or DB server.



Easy to Use...Simply Pick up the Phone

After installation, anyone in the office can access a Skype line. Just pick up the phone and press a preset number (8, for example), and VoSKY Exchange finds an open line. And, since Exchange routes Skype calls through the office PBX, the days of putting on that awkward headset to answer a Skype call are over; calls are now made and received through existing office phones.

Supports Full Skype Experience

The VoSKY Exchange gives you a seamless Skype experience on your office phone system. It supports Skype's dialing and speed dialing formats, as well as other Skype features such as SkypeOut™ and SkypeWeb™. The Exchange is also Skype-Certified, meaning that it has passed the rigorous Skype certification process and meets Skype's technical requirements for quality of service and usability. And, if you should run into trouble, integrated Skype Status Detection and Crash Detection automatically come to the rescue.

Still More Advantages

You'll never have to worry about manually updating Exchange's software or firmware; it automatically checks for new revisions every 24 hours. Exchange also supports USB Unplug Detection, Line Locking Detection, Offhook/Onhook Detection, and Call Transfer, Call Pickup, and Call Waiting (depending on the type of PBX being used). PBX-level voice quality is assured with Exchange's built-in echo cancellation technology.



VoSKY Exchange

ROI In Weeks

Combining the user-friendliness of Actiontec products and the cost-effectiveness of Skype Internet Telephony, the VoSKY Exchange is a must-have. With just a moderate amount of use, it will pay for itself in a short period of time, and provide trouble-free, low-cost and free long distance calling in your office for years to come.

About Skype

Skype is the world's largest free VoIP supplier, with over 100 million users. Skype aims to delight you by offering free global telephony to make unlimited, superior quality voice calls via its next-generation peer-to-peer software. Skype is a wholly-owned subsidiary of eBay.

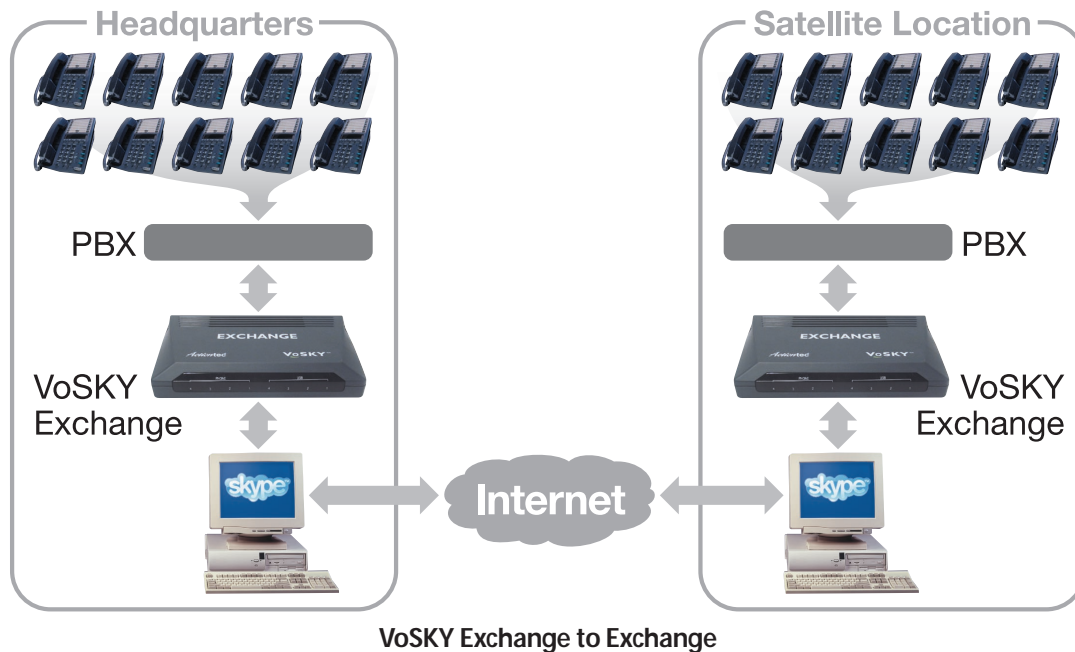
About Actiontec

Actiontec is a leader in high-performance devices and known around the world for creating robust, carrier-class broadband products that are easy to install, manage, and use. Founded in 1993, Actiontec introduced the world's first integrated "Instant Home Wireless Network" solution for telecom providers, and its products are used by millions of broadband users, in both their homes and offices. Today, Actiontec manufactures DSL Modems, Gateways, and VoIP equipment for some of the world's top broadband providers.

* When used with standard feature set.
 ** Costs vary by country – most only 24¢/minute.

Multiple Ways to Set up and Use Exchange

1 Free Calls from One Office to Another

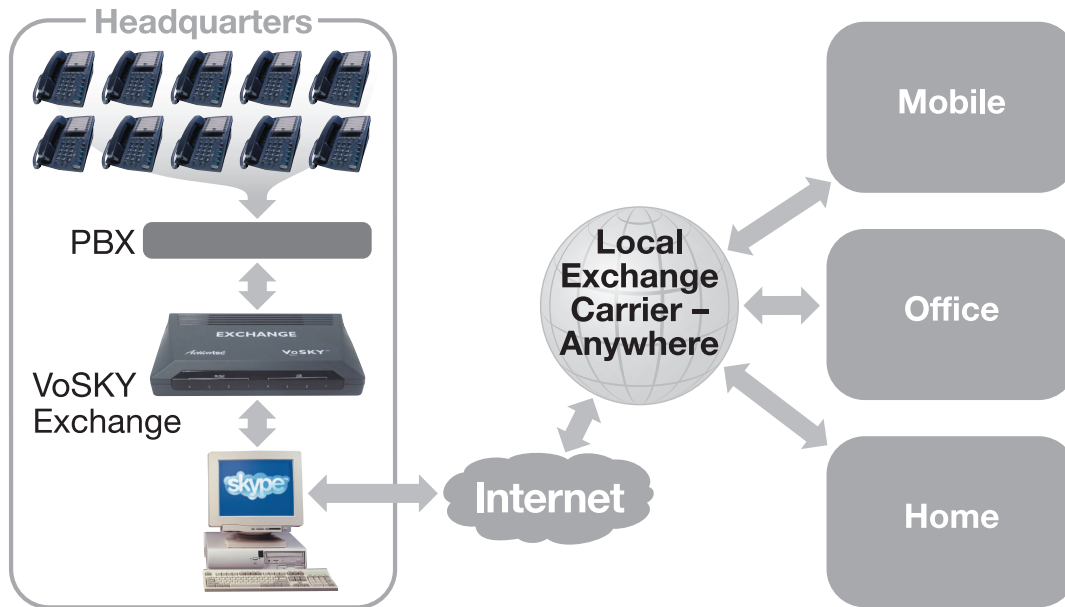


Any office, anywhere in the world can become a local extension on your PBX!
 Calls between satellite offices, suppliers & customers are FREE (Skype-to-Skype).

VoSKY Exchange

Multiple Ways to Set up and Use Exchange (cont'd)

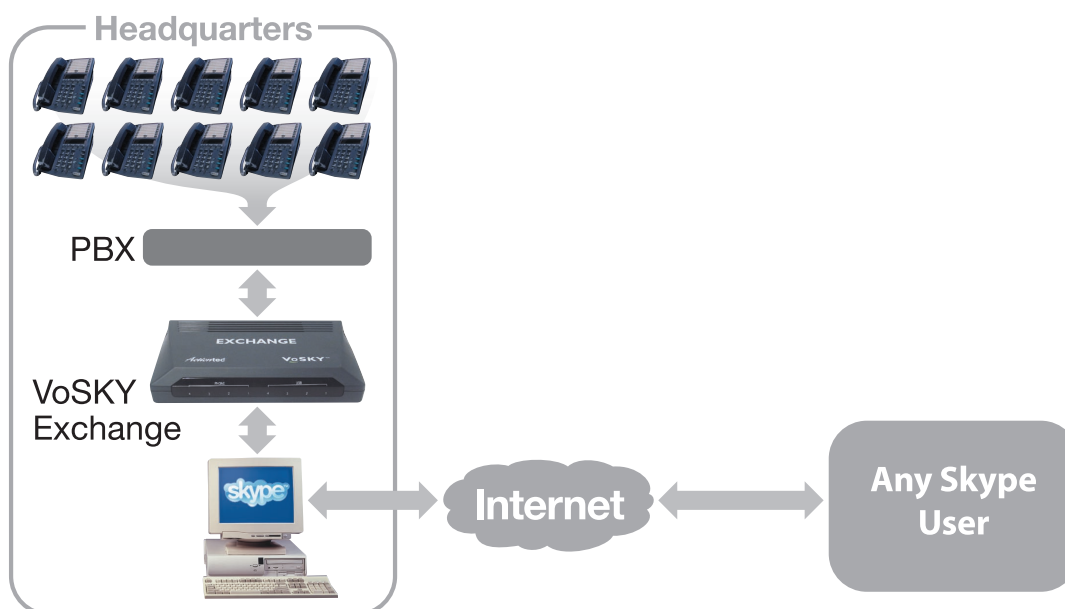
2 Ultra Low cost calls to ANY phone in the World from the office (No monthly fees)



VoSKY Exchange – to Any Other Phone in the World.

Ultra low cost Skype to PSTN Calls (as low as 2 cents/minute internationally.)

3 Free Calls to Any Skype User



VoSKY Exchange – between Office & Any Skype User - Remote Worker

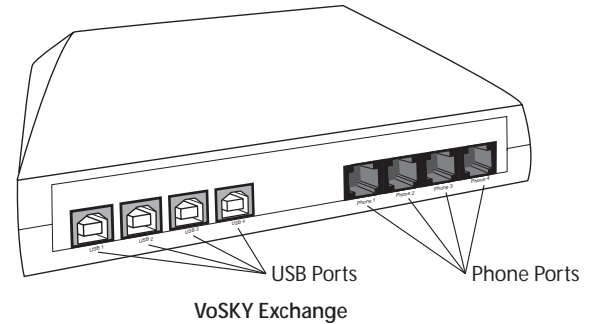
Calls between the office & any Skype user are FREE (Skype-to-Skype)

VoSKY Exchange

Features

- Supports 4 inbound and/or outbound calls concurrently
- Supports up to 10,000 pre-programmed speed-dial numbers
- Able to remotely configure the speed-dial phone book
- Centralizes all Skype activities to a single computer, simplifying account management, usage and billing.
- Excellent sound quality
 - QoS
 - Gain Control
 - Echo Cancellation
 - Dynamic Jitter Buffer
 - Digital Echo Cancellation
 - Line Echo Cancellation
- Automatically finds a free line/port for the incoming or outgoing Skype call.
- OFFHOOK or ONHOOK detection
- Busy tone generation or detection to prevent line locking.
- Works with the existing PBX to provide other telephony features such as Call Transfer, Call Pickup, Call Hold, Call Waiting, Conference Call... etc. (PBX dependent)
- Software auto-detects new revision and generates a pop-up window on the computer screen
- Troubleshooting:
 - Skype Status Detection
 - Skype Crashed Detection
 - USB Unplug Detection
 - Line Locking Detection
- System Log
- Supports NAT Transversal (based on Skype)
- Supports proxy server (based on Skype)
- Skype Features Supported
 - Skype Call
 - SkypeIn***
 - SkypeOut
 - SkypeWeb

Ports at Rear of Unit



*** Only in areas where SkypeIn is available

VoSKY Exchange

Technical Specifications

Features	Descriptions	Features	Descriptions																
Main System	Integrated 4 ARGO SE402 (48MHz 16 bits RISC Processor) USB 1.1 Host Controller (compatible with USB 2.0) USB Audio Device Class 1.0 USB HID Class 1.0da Audio: 16-bit mono linear PCM audio in 8 KHz sampling rate	Upgrade	Automatic Firmware version verification (Every 24 hours)																
PC Interface	4 USB Ports (Type B Connector) for PC connection	Environmental	Operating Temperature: 0 C ~ 55 C Operating Humidity: 0% ~ 70% Storage Temperature: -20 C ~ 70 C Storage Humidity: 0% ~ 95% (Non-Condensing)																
Telephone Interface	4 FXS Ports (RJ11 Modular Jack) for PBX analog trunk connection ports	Certifications and compliance	CE: EN60950-1:2001 EN55022:1998+A1:2002+A2:2003 EN61000-3-2: 2000+A1:2001+A2:2005 EN61000-3-3:1995+A1:2001 EN55024:1998+A1:2001+A2: 2003 FCC: Part 15B, Class B																
PBXs Supported	Works with most PBXs.	Physical Specifications	Dimensions: 194mm x 108mm x 33mm Weight: 300 g																
Power Consumption	4.5 ~ 5.5 V DC per port, supplied through the USB port Operating Current: Typical 130 mA per port, Peak (Ringing at 2 REN) 400 mA per port																		
FXS Ports	Impedance: 600 Ohm On-Hook Voltage(standby): 48V DC Off-Hook Loop Current: 25 mA DC Ringing Voltage: 130V Peak to Peak, 20/25 Hz/ Adaptable, 80% Duty Cycle Square Wave, 60Vrms REN (Ringer Equivalence Number): 2 Caller ID(FSK, Type I) generation Interface: 2-wire, loop start Frequency Response: 200~3400 Hz Call Progress Detection: ONHOOK, OFFHOOK, DTMF, FLASH Call Progress Generation: Dial tone/Voice Prompt, Busy Tone, Ring Back Tone, Ringing Cadence, DTMF Generate "wink" for remote hang up signaling LEC (Line Echo Cancellation): Supported Full Duplex Voice Channel: Supported Inbound/Outbound DTMF Relay																		
Service Tone Country Support	<table border="0"> <tr> <td>Brazil</td> <td>Mexico</td> </tr> <tr> <td>Chile</td> <td>Netherlands</td> </tr> <tr> <td>China</td> <td>Taiwan</td> </tr> <tr> <td>Colombia</td> <td>Thailand</td> </tr> <tr> <td>France</td> <td>United Kingdom</td> </tr> <tr> <td>Germany</td> <td>United States</td> </tr> <tr> <td>Hong Kong SAR of China</td> <td>Additional countries supported via firmware upgrade</td> </tr> <tr> <td>Japan</td> <td></td> </tr> </table>	Brazil	Mexico	Chile	Netherlands	China	Taiwan	Colombia	Thailand	France	United Kingdom	Germany	United States	Hong Kong SAR of China	Additional countries supported via firmware upgrade	Japan			
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User Interface	Console Application (Show Line Status, Configuration of Region/Voice Prompt/DTMF Dispatch) Web Speed-Dial Management: add/delete speed dial numbers																		

VoSKY Exchange

Minimum System Requirements

- Server: 2.8 GHz Pentium or faster / AMD Athlon64 3200+ or faster
 - 512 MB RAM
 - 400 MB free HDD space
 - Up to 4 free USB 1.1/2.0 ports
- OS: Windows XP Professional with SP2
- Application: Skype V 2.0
- Internet Connection: Broadband (Data rate downlink \geq 1 Mbps, Uplink \geq 128 Kbps)
- PBX: 4 Free analog Trunk Ports

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