KONEXX® Office Konnector

Setup Guide

KONEXX®

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Why Office Konnector?

With the KONEXX Office Konnector, you can now connect your conference speakerphone directly to your office digital PBX, or multi-line phone system and eliminate the need for those expensive dedicated analog phone lines or PBX adapters.

Contacting KONEXX

You may contact KONEXX using any of the following methods:

Voice: (858) 622-1400
Fax: (858) 550-7330
Website: www.konexx.com
E-mail: sales@konexx.com
support@konexx.com

Address: KONEXX
5550 Oberlin Drive
San Diego, CA 92121

Pre-Installation

Pre-installation Guidelines - Before installing your OFFICE KONNECTOR observe the following guidelines:

CONNECTION WARNING - Never connect the OFFICE KONNECTOR directly to the telephone line or telephone wall outlet. Use the procedures in this User's Guide to avoid damaging your OFFICE KONNECTOR.

TELEPHONE LEVEL SWITCH (on the OFFICE KONNECTOR) - Set the **Telephone Level** switch on the OFFICE KONNECTOR for the telephone you are using (refer to the Level Switch Setting Table on page 7). Switch setting #3 is used on the majority of digital telephone systems.

TELEPHONE SET VOLUME CONTROL (on the digital office telephone) - The Telephone Set Volume Control (handset and/or speakerphone volume) may impact the quality of your call. KONEXX recommends that the volume control be set in the mid-range for most telephone sets.

SPEAKERPHONE (on the digital office telephone) - If the attached telephone has speakerphone capability, do not use speakerphone mode. Speakerphone mode disconnects the handset jack used by the Office Konnector.

DIALING - Configure your conference speakerphone for Tone Dialing (not pulse dialing)

Office Konnector Installation

Step 1. Disconnect the handset coiled cord from the handset jack on the telephone base unit (desk set).

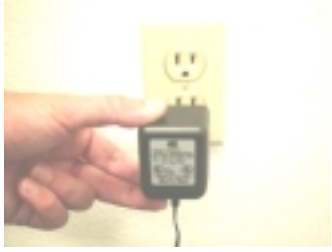
Step 2. Plug the handset coiled cord that you just removed into the OFFICE KONNECTOR connector jack labeled **HAND SET**.

Step 3. Plug the short cord on the OFFICE KONNECTOR into the handset jack on the telephone base unit (desk set).

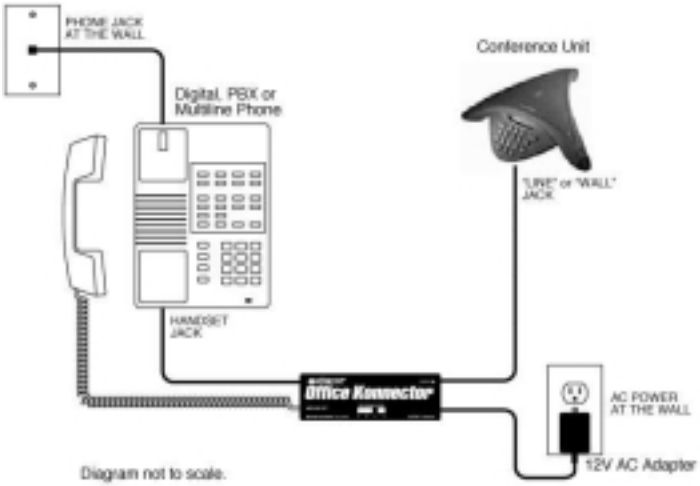
Continue to next page

Step 4. Plug your conference speakerphone line cord into the OFFICE KONNECTOR jack labeled **DATA.**

Step 5. Connect the power cord into the OFFICE KONNECTOR then plug the AC adapter into an AC wall outlet (unit will not operate without a power supply)**.**



The OFFICE KONNECTOR is now installed and ready for use. Lift the handset of your digital office telephone and listen for a dial tone. If you do not hear the dial tone, check your connections to ensure they match those shown in the diagram below.



Establishing Your Conference Call

Why dial from the office telephone? Because most digital PBX systems, such as Nortel Meridian, Rolm and others do not accept the analog dialing tones generated by the conference speakerphone. In order to make a successful conference call you will have to manually dial the phone number from the keypad of the **DIGITAL OFFICE TELEPHONE** (not from the conference speakerphone).

Note: Some systems will allow you to dial the number directly from the keypad of the conference speakerphone (autodial), however we recommend using the following steps to ensure a successful call.

Step 1. Set the Telephone Level Switch on the OFFICE KONNECTOR to the proper setting for the telephone system (see table on page 7). If the phone system is not listed, please see page 11 section C.

Step 2. ***If the digital office telephone has a volume control, ensure that the volume is set to mid-range. Do this by lifting the handset to your ear and adjust the volume control to mid-range.***

Step 3. Lift the telephone handset from the cradle and get an outside line (dial 9 or other prefixes if necessary) and manually dial the number from whom you wish to call from the **DIGITAL OFFICE TELEPHONE** (not from the conference speakerphone).

Continue to next page

Step 4. After you have completed dialing the number place the telephone handset on your desktop (**leave handset out of cradle**).

Step 5. Activate the conference speakerphone (this is usually done by choosing the ON/OFF button on the conference speakerphone). The call will transfer from the office phone to the conference speakerphone and your conference call is now established. ***Do not hang up the office telephone handset until you are ready to terminate your conference call.***

If you have trouble connecting, please call KONEXX Technical Support at (858) 622-1400 (7:30 – 4:30 PST)

Level Switch Settings Table

The Office Konnector Level switch adjusts the transmit level of your conference speakerphone to the digital office telephone set. The Level switch is manually set in one of four settings and is dependent on the telephone set you're using.

Level 3 - Approximately 75% of the electronic or digital PBX telephone systems you will encounter use Setting 3.

Telephone Manufacturer	Telephone Set Model	Switch Setting	Notes
Alactel	None Specified	3	
Ameritech	None Specified	1	1a
AT&T	***(See Listings for Avaya)***		
Avaya	Definity	3	
	Destiny	3	
	Dimension	2 or 3	
	Horizon	2	
	ISDN	3	1a
Avaya	ISDN 7500 series	3	
	ISDN 8500 series	3	
	Infinity	3	
	Merlin	3	
	Merlin II	3	
	Merlin Legend	3	
	Partner	3	
	Spirit	3	
	System 25	3	
	System 75	3	
	System 85	3	
Comdial	Digitech	3	
	Executech	3	
	Executive	---	
	Executive II	---	
	Impact	3	
	InnTouch	3	
David Systems	None Specified	3	
Eagle	None Specified	2	
Ericsson	MD-110	3	1a
Executone	Encore CX	3	
	IDS	3	

Level Switch Settings Table (Cont.)

Telephone Manufacturer	Telephone Set Model	Switch Setting	Notes
Executone	Key Systems	2 or 3	
Fujitsu	Focus 196	---	2a
	Others	4	
GAI-tronics	Cohort	3	
Harris	Lanier	3	
Hitachi	Digital Model 200	1	
	HCX-5000	1	
Intecom	IBX	3	
Inter-tel	Hitech/1232	1	
	MPK-2	1	
	Axxess	3	
	Premier	1 or 4	
	Phoenix	1 or 4	
	Others	1	
Isoetec	Key Systems	3	
	Digital PBX	1	1a
ITT/Cortelco	None Specified	2	
Iwatsu	Omega	2	
	Omega III	2 or 3	
	Omega IV	1 or 4	
Kokyo Co.	Kanda	1	
Lanier	EKT-220 Electronic Key Telephone	2	
Lexar	Telex	---	
	2000 series	---	2b
Lucent	***(See Listings for Avaya)***		
Macrotel	None Specified	4	1a
Mitel	Superset	2 or 3	
	SX-200	3	1a
NEC	Dterm II	1	1a
	Dterm III	1	
	Dterm V	1	
	Electra	2 or 3	
	Freedom	1	
	Mark II	1	
	Others	1	
Nitsuko	Onyx	3	1a
Northcom	Premier (NC-1647)	3	
Northern Telecom	Advantage	3	
	Focus	2	
	Logic One	3	
	Meridian Business System (CENTREX)	3	
	Meridian SL-1	3	

Level Switch Settings Table (Cont.)

Telephone Manufacturer	Telephone Set Model	Switch Setting	Notes
Northern Telecom	Meridian SL-100	3	
	Meridian 1	3	
	Meridian 100	3	
	Meridian Norstar	3	
	Unity	2 or 3	
	Vantage	3	
Panasonic	KXT-23?5	3	
	DBS (old)	2 or 3	
	DBS (new)	2 or 3	
	Others	3	
Phillips	None Specified	1 or 4	2b
Premier	Digital	1 or 4	
Rolm	Model 120	1, 4 or 3	
	Model 240	1, 4 or 3	
	Model 312	1, 4 or 3	
	Model 400	1, 4 or 3	
	Model 600	1, 4 or 3	
	Others	1 or 4	
Samsung	Prostar	1 or 4	1a
Siemens	Dyad	---	2b
	Dyad Jr.	---	2b
	HCM-200	3	1a
	HCM-600	3	1a
	Hicom Digital	1	1a
	OptiSet E	1 or 4	
	Saturn Digit 260	---	2b
Southwestern Bell	Freedom Phone-old	3	
	Freedom Phone-new	1 or 4	1a
Shared Resources (SRX)	Vision Phone	2	
Tadiran	EKT-221	---	1b
	Coral I & II	4	1b
	Emerald & Others	4	1b
Teledex	All	---	3
Telrad	Model 716	4	
	Model 2464	4	
	Symphony	4	
	Digital 717	4	
	Others	4	
TIE	BusinessComm	2	
	Datastar	2	
	DCX	2	
	EX-2260	2	
	Meritore	2	
	Onyx	3	

Level Switch Settings Table (Cont.)

Telephone Manufacturer	Telephone Set Model	Switch Setting	Notes
TIE	TC-22	2	
	Ultracom CX	2	
	Keyset 8	2	
Toshiba	DKT-1000 series	1 or 3	1a
	DKT-2000 series	3	1a
	EKT 2000 series	2	
	EKT-3000 series	2	1a
	EKT-6000 series	3 or 4	
	Perception	3	
	Strata (Key Syst)	2	1a
	Strata (Digital)	1 or 3	1a
	103 series	2 or 3	
Trillium	Panther	2 or 3	1a
	Talkto 616	2	1a
Vodavi	Electronic Key Sys	---	1b
	Starplus Digital	---	
Walker	Marathon	1 or 4	
	Poet	1	1a

NOTES:

1. Custom Factory Settings:
   a. The KONEXX product **may require** a custom factory setting for this phone set. If difficulties are encountered, contact Technical Support at (858) 622-1400.
   b. The KONEXX product **requires** a custom factory setting to work on these phones. Contact KONEXX Technical Support at (858) 622-1400.

2. Handset Wiring Compatibility:
   a. Phone has nonstandard handset wiring and **is not compatible** with the KONEXX product.
   b. Phone has nonstandard handset wiring. The KONEXX product requires the use of a special adapter cable set. Contact Technical Support at (858) 622-1400**.**

3. Teledex telephone is an analog handset and the laptop user may connect directly into the wall jack if the Teledex telephone set does not have a data port.

Operating Tips and Troubleshooting

A. Telephone Handset - The handset must be out of its cradle when the conference speakerphone is in use. When the conference speakerphone is in use, the handset will be electronically disconnected and you will not be able to talk on or hear from the telephone handset. This is the primary indication that the OFFICE KONNECTOR is turned on. Make sure the telephone handset is out of the cradle until you finish your conference call. Hang up your conference speakerphone to reactivate the handset of the digital office phone.

B. Telephone Set Volume Control - The Telephone Set Volume Control (handset and or speakerphone volume) may impact the quality of your conference call. KONEXX recommends that the volume control be set in the mid-range for most telephone sets.

C. Telephone Level Switch on the OFFICE KONNECTOR- The setting you use depends on the signal level used by the telephone to which the OFFICE KONNECTOR is connected. The switch setting sequence from high to low is 2-3-1-4. If the phone system is not listed on the table try switch setting 3 which is the most common. If you set the Level Switch too high, you will hear feedback through the conference speakerphone when the conference speakerphone is in use. If you hear feedback, set the Level Switch to the next lower setting using the sequence 2-3-1-4 until the feedback disappears.

D. Speakerphone (on the digital office telephone) - If your office telephone has a speakerphone mode, do not activate the speakerphone. Speakerphone operation disables the telephone handset jack that the OFFICE KONNECTOR uses.

E. Princess and Trimline telephones – OFFICE KONNECTOR will not operate with "Princess" or "Trimline" telephones, which have the keypad in the handset. The electronics with which the OFFICE KONNECTOR interacts are not accessible in these telephones.

F. Tone dialing - Make sure your conference speakerphone is configured for Tone (DTMF) dialing. Your OFFICE KONNECTOR will not work with pulse (rotary) dialing. Your conference speakerphone user guide or operating instructions should describe this procedure.

G. Contacting Technical Support – (858) 622-1400. If Tech Support is not available to take your call, please leave a voice mail message including your name, the telephone number you would like us to call, and a brief description of the problem you're encountering. You can also send questions and comments to our 24-hour fax line at (858) 550-7330 or send e-mail to support@konexx.com.

Please have the following information available when you call so we can better assist you:
KONEXX model (name or number)
Telephone manufacturer, model name or model number
Conference speakerphone manufacturer, model name or model number

If possible, call us on the telephone that the OFFICE KONNECTOR is connected to so that we can test and troubleshoot the problem on that telephone. Our goal is to make you a satisfied customer.

FCC Requirements

Part 68

This device has been granted a registration number by the Federal Communications Commission (FCC), under Part 68 rules and regulations for direct connection to the telephone lines. In order to comply with these FCC rules, the following instructions must be carefully read and applicable portions followed completely. These instructions must be supplied to the consumer.

1. This equipment complies with Part 68 of the FCC rules. A label located on the outside surface of this equipment contains, among other information, the FCC registration number and ringer equivalence number (REN). If requested, this information must be provided to the telephone company.

2. As indicated below the suitable jack (USOC connecting arrangement) for this equipment is shown. If applicable, the facility interface codes (FIC) and service order codes (SOC) are shown.

3. The ringer equivalence number (REN) is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total RENs, contact the telephone company to determine the maximum REN for the calling area.

4. If this equipment causes harm to the telephone network, the telephone company will notify you in advance. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

5. The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications in order to maintain uninterrupted service.

6. If trouble is experienced with this equipment, please contact the service center for repair and/or warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you to remove the equipment from the network until the problem is resolved. User repairs must not be made, and doing so will void the warranty.

7. This equipment cannot be used on coin service provided by the telephone company. Connection to party line service is subject to state tariffs. (Contact your state public utilities commission for information.) If so required, this device is hearing-aid compatible (EAC).

Part 15 B

FCC WARNING STATEMENT:
NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or TV reception which can be determined by one of more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and the receiver.
Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.
CAUTION changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada (IC) Requirements

LOAD NUMBER: 0.00

NOTICE: The Industry Canada (IC) label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be
aware that compliance with the above conditions may not prevent degradation of service in some situations.
Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

User's should ensure for their own protection that electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION: Do **NOT** attempt to make such connections yourself; contact the appropriate electrical inspection authority or electrician.

The Load Number (LNG) assigned to each terminal device denotes the percentage of the total load to be connected to the telephone loop used by the device, without overloading. The termination on a loop may consist of any combination of devices, subject only to the requirement that the total of the Load Numbers of all the devices not exceed 100.

Warranty (for Warranty/Registration Card see back panel)

2 Year Limited Warranty

KONEXX warrants this product against all defects in material and workmanship, under normal use, for two years from the date of purchase. This limited warranty applies to the original purchaser of this product only. Customer's sole and exclusive remedy and KONEXXs' liability in the event of a defect is expressly limited to correction of the defect by adjustment, repair, replacement or substitution at KONEXXs' option.

This warranty does not cover, and KONEXX is not responsible for damage caused by misuse, neglect, fire, lightning, electrostatic discharge, or modification of this product or damage resulting from the use of this product with hardware not specifically recommended by KONEXX. If a defect should occur, contact KONEXX Technical Support for an RMA number. No product shall be accepted back for warranty repair without an RMA number.

Except as specifically provided herein, there are no other warranties expressed or implied, including but not limited to, any implied warranties of merchantability or fitness for a particular purpose and in no event shall KONEXX be liable for indirect, incidental, consequential or other similar damages arising out of any breach of this warranty or otherwise.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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To receive *TECHNICAL SUPPORT* at no charge for a 2-year period, complete both sides of this Registration Card.

Registration Card must be postmarked to KONEXX within 14 days of purchase. Stamp and mail, or register on our web site at www.konexx.com**, or fax both sides to KONEXX at 858-550-7330.**

Where did you purchase your Office Konnector?

Vendor: _____ **City:** _____

Price Paid (Approx.): _____ **Date purchased:** _____

What type of digital office telephone are you using with the KONEXX OFFICE KONNECTOR?

Manufacturer: _____ Model: _____

What type of conference speakerphone are you using with the KONEXX OFFICE KONNECTOR?

Manufacturer: _____ Model: _____

How did you hear about the KONEXX Office Konnector?

☐ Web Search, ☐ Editorial, ☐ Advertisement, ☐ Trade Show,
☐ Heard from a friend, ☐ Work Associate, Other: _____

I found the KONEXX Office Konnector:

☐ Very easy to use, ☐ Easy to use ☐ Somewhat difficult,
☐ Very difficult, ☐ Have not used it yet

What is your company web site? _____

Further Comments: _____

_____

_____

_____

_____

Name _____

Title _____

Company _____

Address _____

City _____ State ____ Zip ____ Country ____

Phone _____ Fax _____

e-mail address _____

Affix
Stamp
Here

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