

Telecommunication Peripheral Products
Technical Practice

FAXJ-300
Fax Jack
Phone/Fax Switch
November 19, 1998

Eliminate the Expense of Dedicated Fax or Modem Lines



The Fax Jack allows your fax or modem to conveniently share your existing voice line.

Voice calls continue to ring to your phone, but automatic faxes will be sent directly to your fax machine. If someone sends a manual fax, the call can also be instantly transferred to the fax machine from your Touch Tone telephone.

If your office is unoccupied, all calls can be sent directly to your fax machine or they can be screened for voice messages by your answering machine.

If your phone company provides distinctive ringing, the Fax Jack will also automatically route all fax calls to the fax machine and voice calls to the telephone.

<http://www.VikingElectronics.com>

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Features

- Routes calls via CNG tones, distinctive ringing or manually
- Compatible with Electronic key systems, 1A2 key systems and most PABX systems
- Provides realistic ring-back tones while re-ringing phone or fax
- Automatic "privacy" eliminates interruptions on both in and out bound calls
- Manual fax/modem calls can be transferred to data ports using a tone or pulse phone
- Transfer from voice to fax
- All in and out bound calls are routed to the phone port during a power failure
- Manual mode will not interfere with C.O. provided voice mail

Applications

Facsimile Machines

- Retail
- Commercial
- Industrial
- Governmental
- Home office

Modem Terminals

- Personal computers
- Main frame computers
- Remote access applications

Point-Of-Sale Terminals

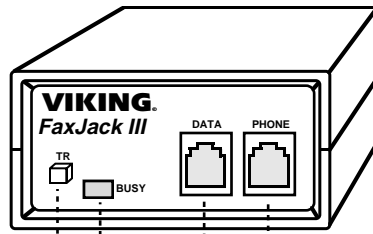
- Fast food chains
- Retail stores
- Convenience stores

Specifications

Power: 120V AC/12V DC 1.25A, UL listed adapter provided
Dimensions: 120mm x 70mm x 35mm (4.75" x 2.75" x 1.38")
Shipping Weight: 0.5 kg (1.2 lbs)
Environmental: 0°C to 32°C (32°F to 90°F) with 5% to 95% non-condensing humidity
Ring Equivalency Output: 2.0
CNG Detection: 1100 hz burst
Carrier Tone Detection: 1000 hz - 3000 hz steady
Connections: (2) RJ11 jacks, (1) RJ11 plug

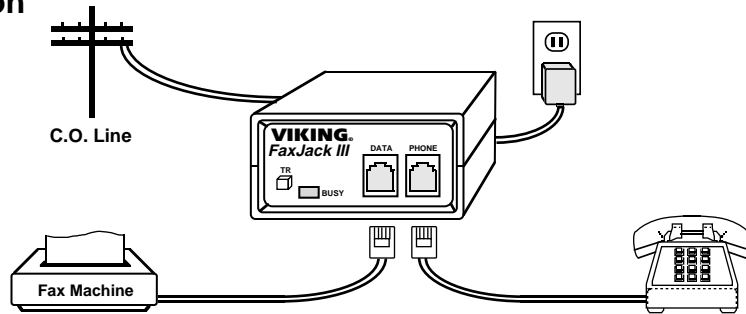
Sales...(715) 386 - 8861

Installation/Applications

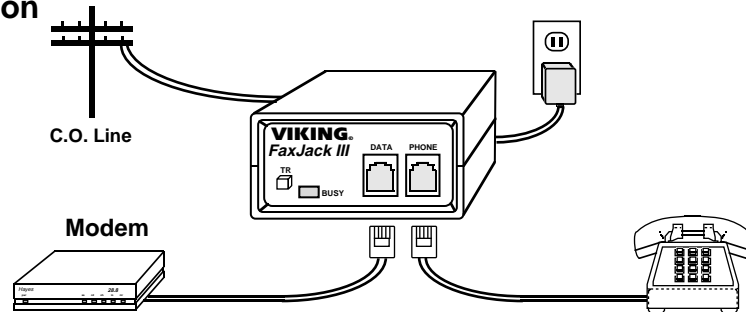


Phone Jack
Data Jack
LED Indicator light
TR button

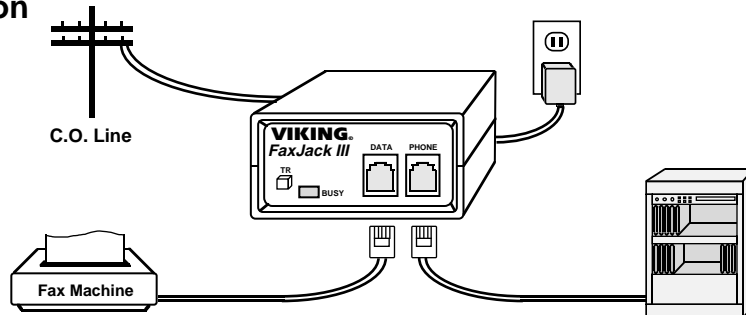
A. Fax/Phone Application



B. Data/Phone Application

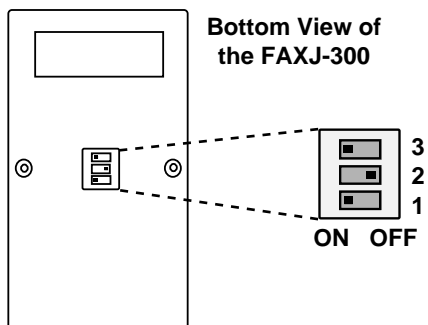


C. PABX/KSU Application



Programming

A. Dip Switch Settings



Switch Number	Switch Description	OFF/ON
1	Ring Delay	OFF - No answer ON - Ring delay of 5
2	Distinctive Ring Detect	OFF - Disabled ON - Enabled
3	Transfer Mode	OFF - Manual ON - Automatic

Note: After changing a switch, reset the FAXJ-300 by pressing the TR switch. All previous user programming will be erased.

B. Ring Delay (Factory set to 5)

Ring delay is the number of times the **FAXJ-300** rings the assigned **PHONE** port before it will roll over the call to the **DATA** port. Follow the directions below to change the ring delay:

1. Connect a Touch Tone phone to the **DATA** port.
2. Pick up the handset and press ***1**.
3. Press a digit (**1 - 9**) for the ring delay you wish.
4. Hang up.

C. Silence Feature

In some installations, the answering machine noise and the “hiss” is so loud that CNG tones can not be detected by the **FAXJ-300**. If you should encounter this problem, a special feature allows you to silence the answering machine for the first 5 seconds to allow CNG detection. This feature can not be used in the automatic transfer mode.

1. Connect a Touch Tone phone to the **DATA** port.
2. Pick up the handset.
3. Press the ***** button to start programming the **FAXJ-300**.
4. Press **“2 1”** to activate the silence feature.
5. Hang up.
6. To deactivate the silence feature follow the steps 1 - 3, but enter **“2 0”** or press the **TR** button.

Note: Pressing the **TR** button will reset all programming to default settings.

D. Security Code (DATA port only)

Security codes enable you to prevent unauthorized calls from reaching your **DATA** port. For example, you may wish to prevent unsolicited fax broadcasts from being sent to your fax.

1. Connect a Touch Tone phone to the **DATA** port.
2. Lift the handset and press ***3** followed by a 1 - 4 digit security code.
3. Hang up.

E. Your Fax Machine and Telephone Line

For efficient operation, program the fax machine, modem or P.O.S terminal to answer on the first ring. It is recommended you disconnect all custom calling features on the phone line that will be shared by the fax machine (call waiting, etc.). These extra features may interfere with fax transmissions.

Operation

A. Transfer Commands

To transfer a call from the **PHONE** port to the **DATA** port, use the following procedure:

Type of Phone	Type of Call	Dial
Touch Tone	In-bound	# 1
Modem	In-bound data	1 1 1 1 1 1 1 1 1 1 1
Rotary (10 P/SEC)	In-bound only	2
Tone or Rotary	In or out-bound	Hook Flash (2) times
Tone or Rotary	In or out-bound	Press “TR” switch
Tone or Rotary	CNG tones	Hang-up

Note: The “hook flash” must be longer than .2 seconds, but less than 1 second with no more than 2.5 seconds between hook flashes.

B. Automatic Transfer Mode

Note: In the Automatic Transfer Mode the inbound caller will hear 2 ring backs in addition to the programmed ring delay.

After one ring, the **FAXJ-300** will answer the line and listen for CNG tones or a command code. The caller will hear simulated ring back tones for approximately 5 seconds while the Fax Jack listens for these tones. If a CNG tone or a transfer command code is detected, the call will be transferred to the **DATA** port. If no CNG tone is detected or a command code is not entered, the call will be directed to the **PHONE** port. If the **PHONE** port is not answered within the programmed ring delay, the **FAXJ-300** will then transfer the call to the **DATA** port.

If a phone is wired on the line side of the Fax Jack and the user wishes to stop the Fax Jack from transferring, pick up the telephone and dial **#0**. The Fax Jack will then hang-up.

C. Manual Transfer Mode

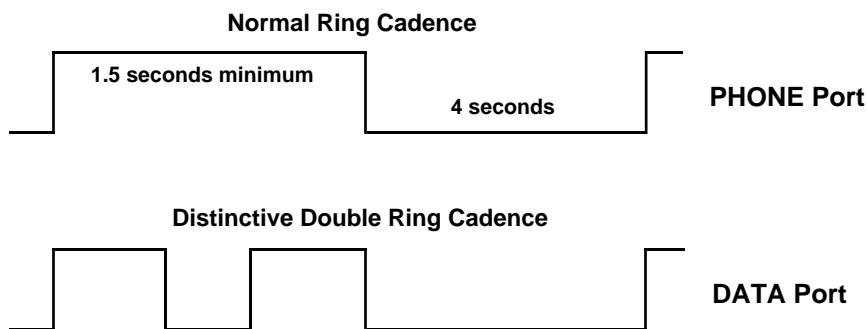
All calls will pass through the **FAXJ-300** to the **PHONE** port. If a fax is to be sent, the receiving party or the caller can enter a **#1** to transfer the call to the **DATA** port.

Note: In the manual mode, the Fax Jack does not answer the line, allowing compatibility with central office provided voice mail.

D. Distinctive Ringing (see Programming, section A)

Distinctive ringing is an option provided by phone companies which permits extremely accurate routing of calls. When using the feature, you are issued several telephone numbers while having only one actual telephone line. When dialed, each number will ring "distinctively." The **FAXJ-300** can differentiate a distinctive ring cadence from a standard ring cadence and route the call accordingly. Normal ring cadences will be routed to the phone port while distinctive ringing is routed to the **DATA** port. On "Normal" ring, the **FAXJ-300** will still monitor for CNG, carrier tones and Touch Tones, before sending the call to the phone port.

Notes: If your "Normal" ring is less than 1.5 seconds or a double ring, etc., you cannot use this feature.



E. Security Code

When the **FAXJ-300** answers, a beep will be heard. The caller will then have 5 seconds to enter a security code from their Touch Tone phone. If the correct code is entered, the call will be directed to the **DATA** port. If an incorrect code or no code is entered, the **FAXJ-300** will direct the call to the **PHONE** port.

Product Support Line...(715) 386-8666

Fax Back Line...(715) 386-4345

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