Boost the Ringing Power of 4 Analog PABX Stations, FXS Ports, or IP Phone System Analog Ports

The RG-204 ring generator is designed to reshape and increase the ringing power of up to 4 analog PABX extensions, FXS ports, IP phone system analog ports, or any other telecom devices which provides ringing.

The RG-204 duplicates the incoming ring cadence allowing it to be compatible with custom ringing features.

Each line is capable of ringing four 1 REN or eight 0.5 REN telephones and does not affect normal operation of the telephone line or features, such as caller ID, call waiting, hookswitch flash features, CPC signaling, etc.

For larger multi-line applications, use Viking models RG-212 (12 line) or RG-224 (24 line). For single line applications, use the Viking model RG-4. The Viking model RG-10A may be used for single line higher drive output applications up to 12 REN.

Features

- True Sine wave ring signal output
- Boosts ring to 4 REN
- Caller ID compatible
- Easy installation
- Compatible with distinctive ringing services
- Will not affect normal line operation
- Reshapes troublesome square wave ringing
- Fax and modem compatible
- Not compatible with pulse dialing

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Information: (715) 386-8861

Applications

- Boosts ringing power of FXS port or IP phone system analog ports that are weak or fail
- Boost ring power on analog PABX/KSU stations that are weak or fail
- Reshapes troublesome distorted ringing signals

Specifications

Power: 120V AC / 15V AC 202A UL listed adapter provided
Dimensions: 210mm x 159mm x 45mm (8.75" x 6.25" x 1.75")
Shipping Weight: 1.5kg (3.2lbs)
Environmental: 0°C to 32°C (32°F to 90°F) with 5% to 95% non-condensing humidity
Incoming Ring Detection: 20-150 VAC
Ring Generator: 90 VAC nominal, 55 VAC @ 4 REN load
Ringwave Shape: Sine wave
Connections: (8) RJ-14Jacks (16) screw terminals
**Installation and Wiring**

**IMPORTANT:** Electronic devices are susceptible to lightning and power station electrical surges from both the AC outlet and the telephone line. It is recommended that a surge protector be installed to protect against such surges.

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**Installation Using Wire Terminals:**

- Analog PABX/KSU Station, FXS Port, VoIP Analog Port, or any other ring generating device
- To Analog Phone, Analog PABX/KSU Trunk Input, etc.

**Optional Modular Jack Installation:**

- To Analog Phone, Analog PABX/KSU Trunk Input, etc.

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*IMPORTANT:* "LINE IN" is polarity sensitive. If wired in reverse polarity, the RG-204 may trip ringing after the first ring.

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**Operation**

The RG-204 has 4 analog line circuits that pass through the unit. When any line is idle, the RG-204 provides a “copper-thru” path from input to output. Whenever the RG-204 detects a ringing signal on any incoming line, that output is switched to its dedicated internal sine wave ring generator to ring the phones. In between rings the RG-204 switches that line back to “copper-thru” so caller-ID may pass through. When the line is answered and in use, the RG-204 again provides a “copper-thru” path from input to output. There are 4 front panel Channel LEDs showing the status of each of the 4 line circuits. Each LED lights dim showing the line is not ringing and in the “copper-thru” state. The LED will light bright when ringing is being generating. If a ring generator’s fault protection circuit engages, that Channel LED will go out. A fault may possibly be reset by momentarily unplugging power to the RG-204 for a few minutes. Unplugging power to the RG-204 will not drop any calls, nor disable the ability to make inbound or outbound calls, although inbound ringing will not be boosted.
The **RG-224** ring generator is designed to reshape and increase the ringing power of up to 24 analog PABX extensions, FXS ports, IP phone system analog ports, or any other telecom devices which provides ringing. The **RG-224** duplicates the incoming ring cadence allowing it to be compatible with custom ringing features.

For more information on the **RG-224**, see DOD# 418.

The **RG-212** ring generator is designed to reshape and increase the ringing power of up to 12 analog PABX extensions, FXS ports, IP phone system analog ports, or any other telecom devices which provides ringing. The **RG-212** duplicates the incoming ring cadence allowing it to be compatible with custom ringing features.

For more information on the **RG-212**, see DOD# 419.

The **RG-10A** high power ring generator is designed to increase the ringing power of a single existing telephone line, PABX extension, or any other telecom device which provides ringing up to 12 REN. The **RG-10A** duplicates the incoming ring frequency and cadence allowing it to be compatible with custom ringing features.

For more information on the **RG-10A**, see DOD# 420.

The **RG-4** ring generator is designed to reshape and increase the ringing power of a single existing analog line, PABX extension, FXS port, IP phone system analog port or any other telecom device which provides ringing. The **RG-4** duplicates the incoming ring cadence allowing it to be compatible with custom ringing features.

For more information on the **RG-4**, see DOD# 416.
IF YOU HAVE A PROBLEM WITH A VIKING PRODUCT, CONTACT: VIKING TECHNICAL SUPPORT AT (715) 386-8666

Our Technical Support Department is available for assistance Monday through Friday 8:00am - 5:00pm central time. So that we can give you better service, before you call please:
1. Know the model number, the serial number and what software version you have (see serial label).
3. It is best if you are on site.

RETURNING PRODUCT FOR REPAIR
The following procedure is for equipment that needs repair:
1. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number. The customer MUST have a complete description of the problem, with all pertinent information regarding the defect, such as options set, conditions, symptoms, methods to duplicate problem, frequency of failure, etc.
2. PACKING: Return equipment in original box or in proper packing so that damage will not occur while in transit. Static sensitive equipment such as a circuit board should be in an anti-static bag, sandwiched between foam and individually boxed. All equipment should be wrapped to avoid packing material lodging in or sticking to the equipment. Include ALL parts of the equipment. C.O.D. or freight collect shipments cannot be accepted. Ship cartons prepaid to: Viking Electronics, 1531 Industrial Street, Hudson, WI 54016
3. Return shipping address: Be sure to include your return shipping address inside the box. We cannot ship to a PO Box.
4. RA number on carton: In large printing, write the R.A. number on the outside of each carton being returned.

RETURNING PRODUCT FOR EXCHANGE
The following procedure is for equipment that has failed out-of-box (within 10 days of purchase):
1. Customer must contact Viking's Technical Support at 715-386-8666 to determine possible causes for the problem. The customer MUST be able to step through recommended tests for diagnosis.
2. If the Technical Support Product Specialist determines that the equipment is defective based on the customer's input and troubleshooting, a Return Authorization (R.A.) number will be issued. This number is valid for fourteen (14) calendar days from the date of issue.
3. After obtaining the R.A. number, return the approved equipment to your distributor, referencing the R.A. number. Your distributor will then replace the Viking product using the same R.A. number.
4. The distributor will NOT exchange this product without first obtaining the R.A. number from you. If you haven't followed the steps listed in 1, 2 and 3, be aware that you will have to pay a restocking charge.

TWO YEAR LIMITED WARRANTY
Viking warrants its products to be free from defects in the workmanship or materials, under normal use and service, for a period of two years from the date of purchase from any authorized Viking distributor. If at any time during the warranty period, the product is deemed defective or malfunctions, return the product to Viking Electronics, Inc., 1531 Industrial Street, Hudson, WI, 54016. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (R.A.) number.
This warranty does not cover any damage to the product due to lightning, over voltage, under voltage, accident, misuse, abuse, negligence or any damage caused by use of the product by the purchaser or others. This warranty does not cover non-EWP products that have been exposed to wet or corrosive environments. This warranty does not cover stainless steel surfaces that have not been properly maintained.

NO OTHER WARRANTIES: VIKING MAKES NO WARRANTIES RELATING TO ITS PRODUCTS OTHER THAN AS DESCRIBED ABOVE AND DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

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Product Support: (715) 386-8666

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