

SIP Loud Ringer with Visual Ring Indication and Remote Strobe Light Control

The **SR-IP** is a SIP compliant PoE powered audio device for providing loud ring and visual ring indication for SIP VoIP phone systems. When registered with a SIP server, the **SR-IP** will ring in one of 4 programmable ring patterns and flash a bright red LED upon ring detection. During ring detection the units internal relay contacts will also activate providing a trigger for a Viking Model **SL-2** Strobe light or **LPL-1** visual ring indicator.

Equipped with a high efficiency Class D power amplifier and high quality loud speaker, the **SR-IP** is typically over 10 times louder than a telephone speaker. The advanced features of the **SR-IP** include programmable Automatic Gain Control (AGC) technology which automatically increases loud ring volume to compensate for background ambient noise. The AGC



feature is ideal for variable noise environments (offices, classrooms, restaurants, etc.), and ensures that ringing is always heard but not unnecessarily loud.

⚠ Installation requires the assistance of a Network Administrator / IT Technician.

Features

- **Programming software included**
- **2 Amp relay contacts for Viking LPL-1 or SL-2 strobe light control**
- **Bright red visual ring indicator LED**
- **SIP compliant** (see page 2 for list of compatible IP-PBX phone systems)
- **PoE powered (class 2, <6.5 watts)**
- **Automatic Gain Control (AGC) to automatically increase ring volume to compensate for ambient noise**
- **Network downloadable firmware**
- Surface mounts to a single gang or 4" x 4" electrical box or directly to a wall or post
- Remotely programmable
- Extended temperature range (-40°F to 140°F)
- Remotely adjust ringer volume
- Four programmable ring cadences: normal (2 sec ON / 4 sec OFF), double, short-short-long, short-long-short
- Optional **LPL-1** Remote Visual Ring Indicator (**DOD# 640**)
- Optional **SL-2** (**DOD# 242**) or **BLK-4-EWP** (**DOD# 654**) strobe light kits available

Applications

- Loud Ringer for noisy or variable noise environments (Offices, Classrooms, Factories, etc.)
- Visual Ring Indicator for quiet areas (Hospitals, Churches, Theaters, etc.)

www.vikingelectronics.com
Information: (715) 386-8861

Specifications

Power: PoE class 2 (<6.5 watts)
Maximum Sound Pressure: 93 dB SPL @ 1m. *Note: For applications requiring louder ring, see Viking model PA-2A-IP.*
Relay Output: SPDT contact, 2A @30VDC / 250VAC max
Dimensions: 140mm x 115mm x 38mm (5.5" x 4.5" x 1.5")
Operating Temperature: -40° C to 60° C (-40°F to 140°F)
Humidity: 5% to 95% non-condensing
Audio Codecs: G711u, G711a, G722
Network Compliance: IEEE 802.3 af PoE, SIP 2.0 RFC3261, 100BASE-TX with auto cross over
Connections: (1) RJ45 10/100 Base-T, (3) gel-filled butt connectors

Viking VoIP SIP System Compatibility List

NOTE: Exclusion from this list means only that compatibility has not been verified, it does not mean incompatibility.

For detailed configuration instructions for certain vendors below, see **Configuring Viking VoIP Phone and SIP Servers, DOD# 944**.

Vendor	Infrastructure Class				
	Softswitch	PBX	Proxy	SBC (session border controller)	Service Provider
3COM VCX		X			
3CX		X			
Aastra		X			
Asterisk		X			
Atcom		X			
Avaya Aura Communication Manager					
Avaya IP Office		X			
BlueBox		X			
Brekeke		X			
Callcentric					X
Cisco Unified Communications Manager (CUCM)	X	X			
Cisco Unified Communications Manager Express (CUCME)	X	X			
Elastix		X			
Freeswitch		X			
Grandstream		X			
Interactive Intelligence	X	X			
iptel.org					X
Kamailio			X	X	
MetaSwitch				X	X
NEC		X			
OfficeSIP		X			
OpenSIPS		X			
Panasonic** (with SIP Extension Card)		X			
Samsung Communications Manager (SCM)	X	X			
ShoreTel*		X			
Siemens Communications Server (SCS)		X			
SIP Express Router (SER)			X	X	
sip.antisip.com					X
Snom PBX		X			
Sonus				X	
Switchvox		X			X
Teksip			X		
Toshiba		X			
VoIP.ms					X

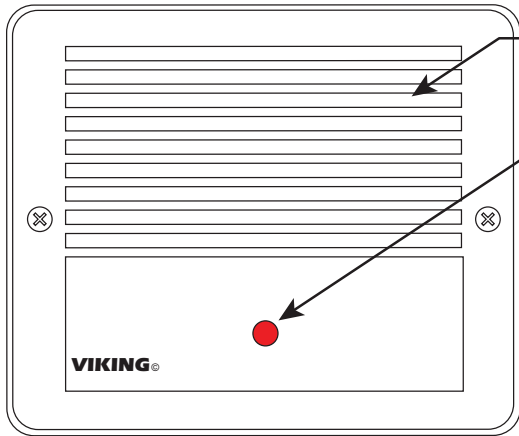
* Note: Not compatible with ShoreTel Ring Group/Hunt Group (Unit can be programmed to ring an extension 2 or 3 times then roll to the next number, for a total of 5 numbers).

** Note: Relay operation commands are Not compatible with Panasonic Phone Systems (Panasonic does not transfer DTMF between station ports)

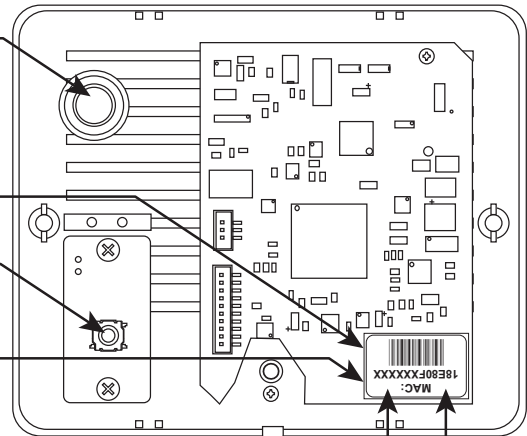
Known Incompatible System or Service Provider: Ring Central (Requires Authorization ID and Proxy address).

Features Overview

Front View of SR-IP



Internal View of SR-IP



Microphone for Automatic Gain Control (AGC)

LED Ring Indicator

Green Unit Status LED

Reset Switch

Yellow Network Status LED: Lights steady to indicate power and data link. Blinks to indicate network activity.

PoE LAN Port 10/100, PoE Class 2 (<6.5 Watts): Connect to your LAN via RJ45 plug and CAT5 or greater twisted pair wire.

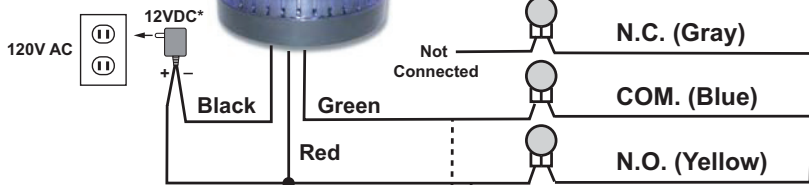
MAC Address Label: The MAC address is a unique 12 digit number used by routers to send network traffic to the correct IP address.

Installation

A. Wiring

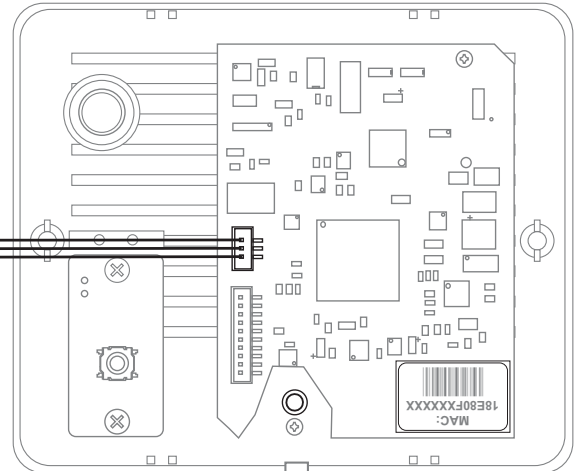
Connect to Optional Strobe Light, etc.

Viking model SL-2 with PS-2A* 12 VDC power adapter (not included), see DOD# 242



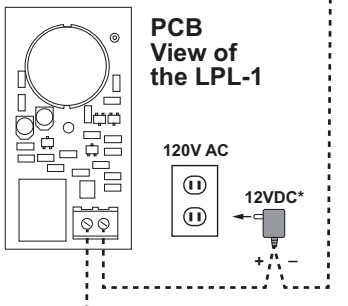
Optional 2 Amp Relay Output Contacts (2A@30VDC/ 250VAC max)

Rear View of SR-IP



OR

Connect to Optional Remote Visual Ring Indicator



PCB View of the LPL-1

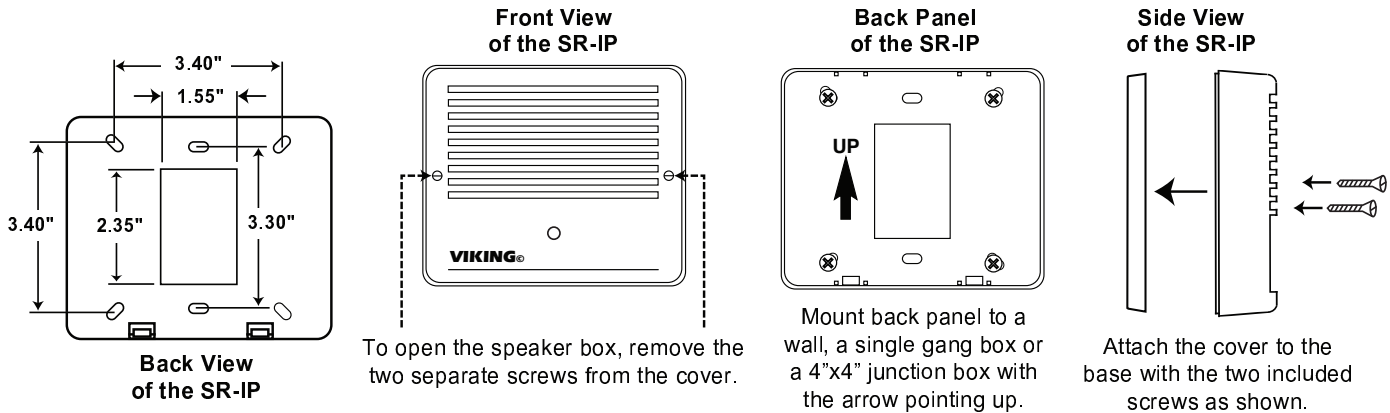
* **Note:** To purchase the PS-2A power adapter (part # L120950), go to www.vikingelectronics.com and click on Spare Parts.

** **Note:** The gel-filled (water-tight) butt connectors are designed for insulation displacement on 19-26 gauge wire with a maximum insulation of 0.082 inches. Cut off stripped wire ends before terminating.

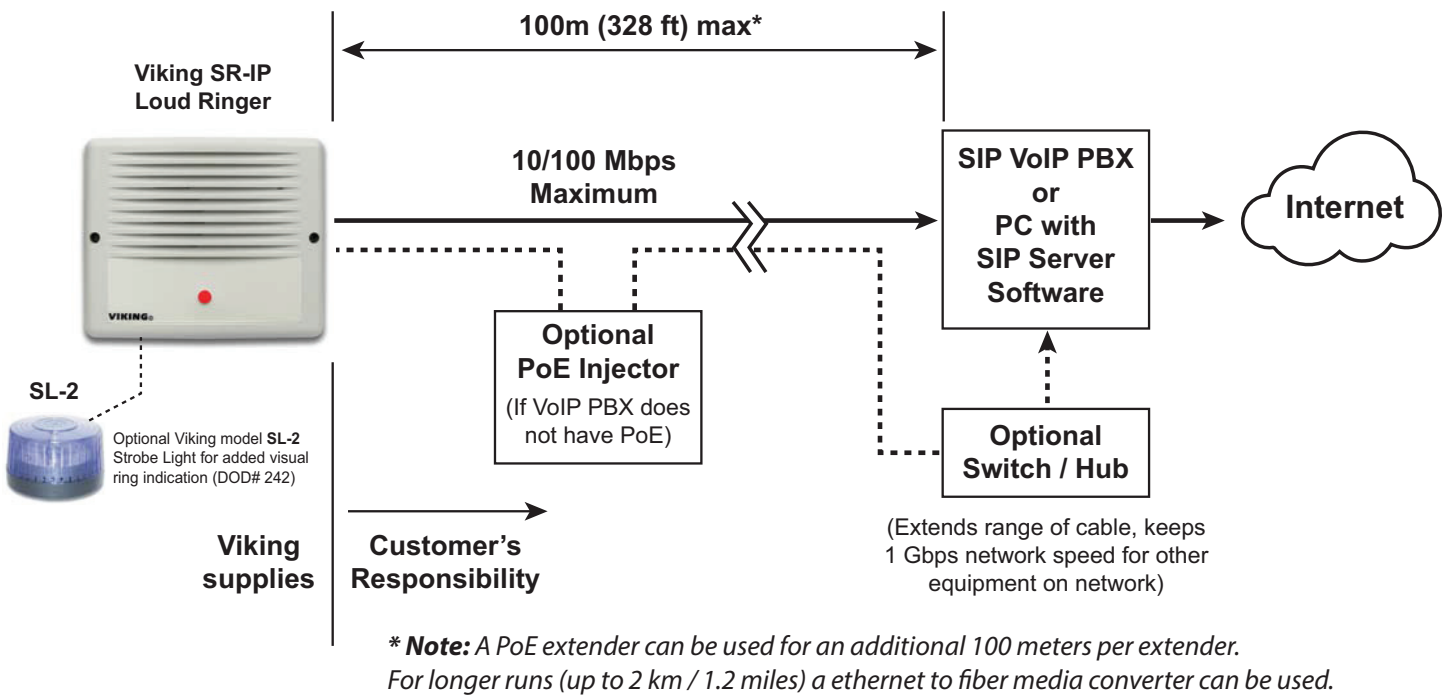
Viking model LPL-1 (DOD# 640) with Viking model PS-2A* 12 VDC power adapter

B. Mounting

The **SR-IP** is designed to be surface mounted to a single gang box (not included), a standard 4" x 4" electrical junction box (not included), or directly to a wall or flat sided post.



Typical Installation on SIP Based VoIP Phone System



PC Requirements

- **IBM** compatible personal computer with:
 - Windows 2000 (service pack 4 or higher)
 - Windows XP (service pack 2 or higher)
 - Windows Vista (SP2 or newer), 32 or 64 bit versions
 - Windows 7
 - Windows 8
 - Windows 10
- Adobe Acrobat Reader 8 or higher
- **SR-IP** hardware
- Available LAN with PoE (class 2, <6.5 watts)
- Ethernet cable (CAT5 min.)
- 1 MB minimum free hard drive space for installation
- 16MB of free physical RAM