

*The technological innovation applied to a classic telephone service  
... and much more!*



*High sound power, acoustic and visual signaling, adjustable*

## SIP Call Repeater in LAN network with customizable tones and sounds

The IP-SIP AD639SR loudspeaker, in IP56 enclosure, is part of a series of TEMA loudspeakers to be connected in a standard LAN network and is particularly suitable as a SIP repeater for incoming overtime telephone calls. The system has a considerable adjustable sound power and is activated when an incoming call arrives and emits tones or audio files pre-recorded in its memory, easily replaceable, according to the need, via web browser. With the system are supplied several sound files of ringtones and alerts that can be loaded remotely.

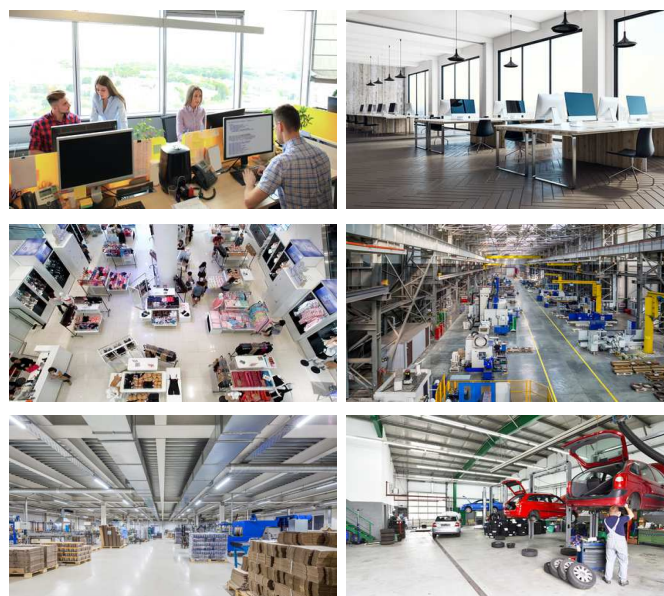
AD639SR is equipped with an auxiliary input for an external command, for example the entrance bell, to signal the visitor with a different sound from that of the telephonic call. It also integrates 2 programmable relays to activate external light indicators or other devices.

The system can be equipped with a multi-colored LED light to add an optical signal to the acoustic sound. Alternatively, various optical devices are available, including Xenon Flash, directly driven by the AD639SR device.

The installation simply consists of connecting AD639R to the LAN and registering it on an IP-PBX in the "Night" ringer group. The power supply can be supplied on the same UTP network cable by a PoE switch, or by an external 230Vac power supply in the Tema catalog, in this case the sound power will be higher.

### Integration with VoIP SIP phone systems

AD639SR can be perfectly integrated with VoIP telephone systems (IP-PBX) with SIP protocol and can be registered as a regular VoIP phone or P2P Peer to Peer without a PBX.

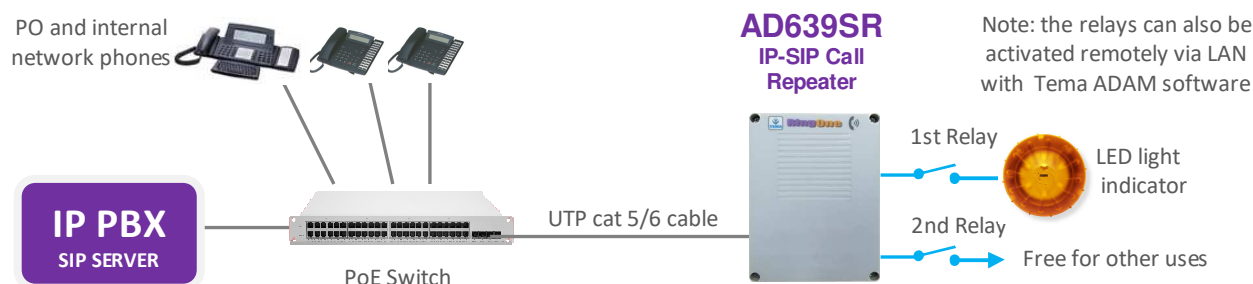


### Applications, Target

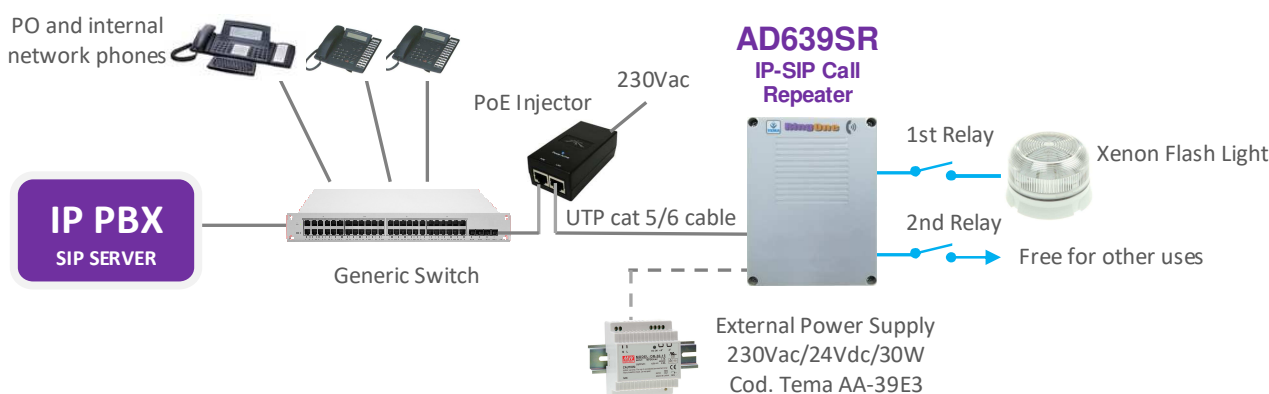
- ◆ Companies, Offices, Factories, Warehouses, Industry
- ◆ Warehouses, Garage, Supermarket, Parkings
- ◆ Alarm and Warning systems, Video surveillance
- ◆ Hospitals, Schools, Railways, Airports, Ports

- Replaceable and customizable warning sounds
- Wide variety of supplied sound files
- Possibility of visual signaling with Flash and LED
- New innovative features

## SIP telephone call repeater with PoE direct power supply



## SIP telephone call repeater with PoE injector or external 230Vac power supply



### Operation as a SIP repeater

Once connected AD639SR in the LAN and registered in the IP-PBX in a group of numbers for the repetition of incoming or night calls, the device will make a loud sound (a message or any compatible audio file) contained in its memory and at the same time, activate a LED or a FLASH warning light, if provided.

A second relay, which can also be activated by the presence of a SIP call, can be used for other external drives, for example, activating another sound reproducer in different rooms or areas. The cycle will stop when the call is terminated or an operator responds, except to resume for a new incoming call.

### Alarm signaling with telephone alert

AD639R can also be activated by an external signal being equipped with a special input to which an alarm contact, a sensor or a push button can be connected. In this case a message or a (different) sound will be issued after which AD639R can call a number in P2P (Peer to Peer) and inform an operator with a prerecorded message of the event occurred.

### Numerous sound files supplied

The supply includes a large variety of sounds and ringtones ready in the format compatible with AD639R and with different characteristics according to the needs, ranging from the classic "Ring" of the traditional phone, to siren-like sounds up to sounds similar to modern warning ringtones.

Replacing the ringtone sound file is extremely simple and fast thanks to the AD639R embedded Web server.

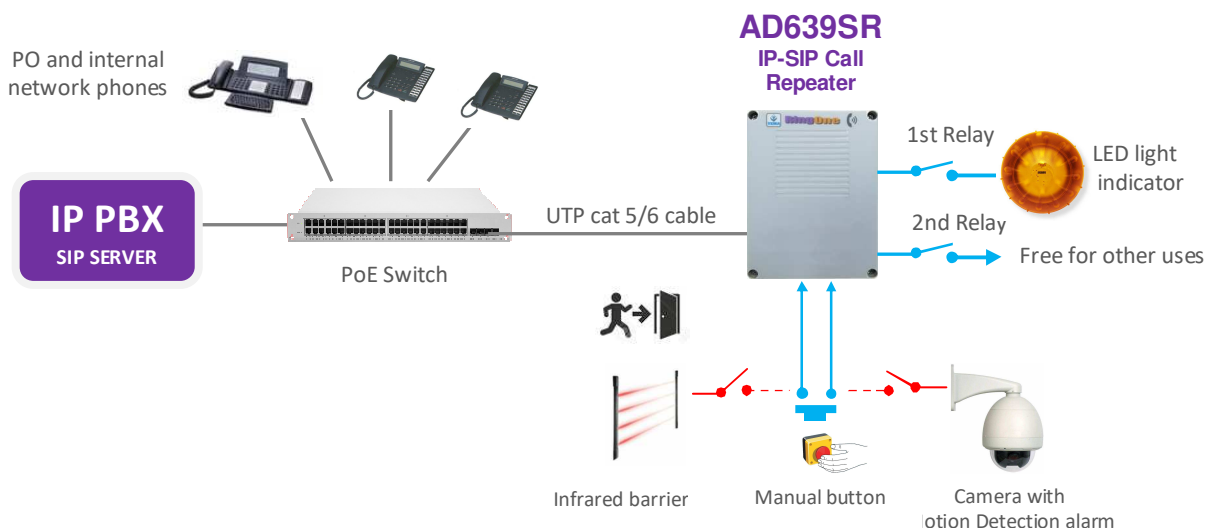
The user can also record a sound he likes, in the audio format compatible with AD639SR (8KHz-16bit-mono) and transfer it to the memory with any web browser (MS Explorer, Edge, Chrome, Firefox, etc.)

### Announcer

The AD639SR can simultaneously be used as an announcer to receive audio from a microphone on the network or from a SIP telephone equipped with the Multicast function, which will be played on the speaker. The system is compatible with the ADAM Tema software for launching announcements and/or files in Multicast channels.

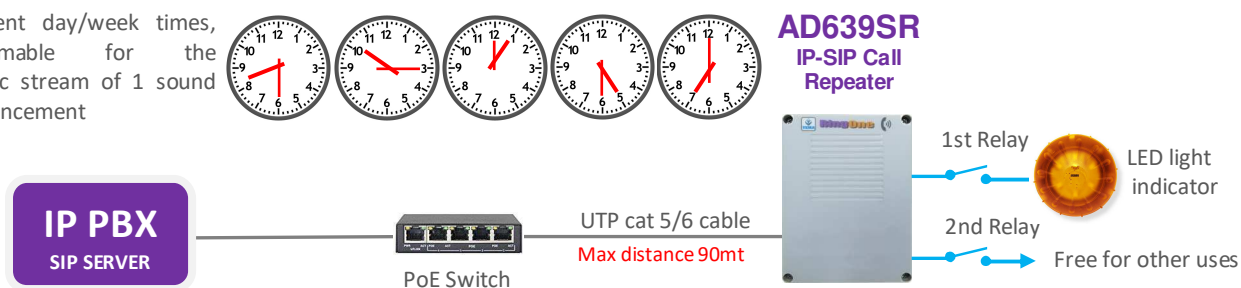
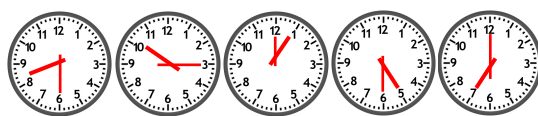
## Other services in addition to the basic function

- Streaming of a message or sound following by an external event, SIP telephone call to the control center with specific message of the origin area

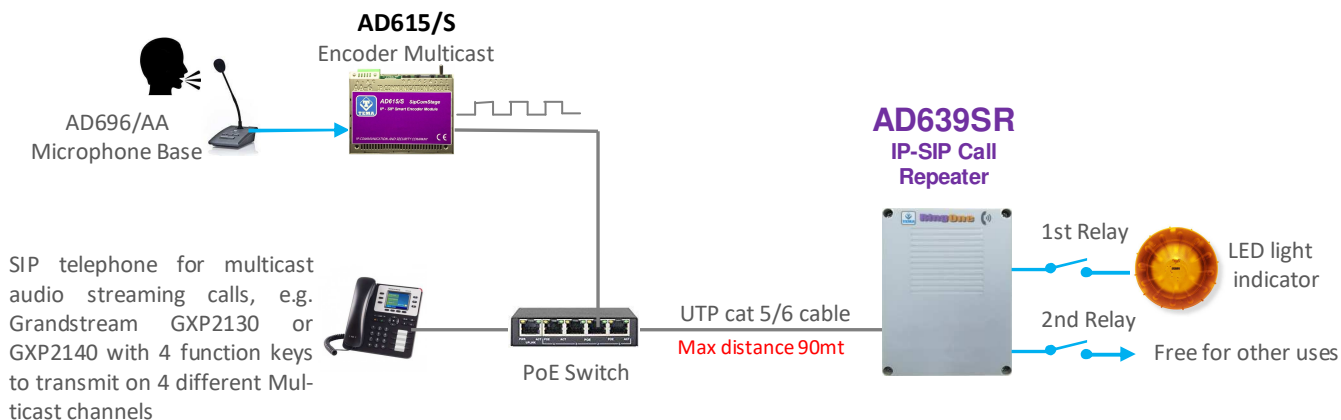


- Streaming of an audio file warning message or pre-recorded sound at set times, programmability daily, weekly or with annual calendar

5 different day/week times, programmable for the automatic stream of 1 sound or announcement



- Application as a simple multicast announcer on UTP cable with adjustable power



## ● Available models and accessories



**AD639SR**  
Without  
flashing light



**AD639SR/LA**  
With orange LED  
flashing light



**AD639SR/FT**  
With transparent Xenon  
FLASH flashing light



**AD639SR/FR**  
With red Xenon FLASH  
flashing light



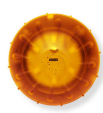
**AD639SR/LM**  
With multicolor RGB LED  
flashing light



**AA-39P4**  
PoE injector 230Vac/  
48Vdc 0,5A.



**AA-39E3**  
DIN Power Supply  
230Vac/24Vdc-1,5A



**AD699/L10A**  
Flashing orange  
LED, external  
installation



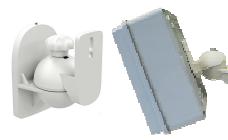
**AD699/X10B**  
FLASH transparent  
Xenon flashing light,  
external installation



**AD699/X20R**  
Flashing red Xenon  
FLASH,  
external installation



**AD699/L10M**  
Multicolor RGB LED  
flashing light,  
external installation



**AD699/RT**  
Adjustable support in  
horizontal and vertical,  
grey color, 5 kg capacity

### Compatibility with the most common brand of IP-PBX:

SIEMENS/UNIFY - AVAYA - ALCATEL - PANASONIC - SAMSUNG - NEC  
LG ERICSSON - WILDIX - AASTRA - ASCOM - NITSUKO - SELTA - PHILIPS  
MITEI - YEASTAR - ZYCOO - CISCO - EPYGI ELASTICS - GRANDSTREAM  
SHORETEL - NORTEL - SWYX - XORCOM - INNOVAPHONE - NETHESIS  
3CX - KALLIOPE - BRIA - SISTEMI ASTERISK E SOFTPHONE APP  
DISTEMI DOMOTICI LOXONE

## Technical features

LAN, protocols:	TCP/IP Network 10/100BaseTx, SIP 2.0
Degree of protection/impact resistance:	IP56/IK08
Power Supply:	PoE, PoE Injector or external power supply
PoE:	802.3af class 0 12,95W
External Power Supply (Opz.):	230Vac/12-24Vdc-1-2A
Security:	access through password, activity Log
Inputs from external alarm commands:	1
Contact rating of the 2 internal relays:	max 30Vdc - 1.5A
Container:	halogen free Technopolymer EN60754-2
Operating temperature:	from -25° to +60°C
Storage temperature:	from -25° to +65°C
Umidity:	up to 100%
Dimensions:	119x159x70mm
Weight:	1,8Kg

Audio Amplifier:	40W (Ext.P.Supply) "D" Class (10W PoE)
Bandwidth:	350 – 6000Hz
Sound pressure (SPL):	100 dB (1KHz/1 meter)
Messages/Sounds:	1 pre-recorded into the internal SD
Visual signals:	active call Led
Optional signal lights:	Xenon Flash, multicolored LEDs
Programming:	user-friendly web interface and password
Tecnology:	580MHz MIPS CPU
Memory:	128MB Ram + 32MB Storage
Connection:	SIP Server (IPPBX) or P2P (Peer To Peer)
Installation:	wall mount, adjustable with access. (Option)
Origin:	entirely developed and manufactured in Italy
Warranty:	2 years, possibility of extension (option)
Compatibility:	CE, ROHS

"IP COMMUNICATION AND SECURITY COMPANY"



**TEMA TELECOMUNICAZIONI S.r.l.**

Via Costante Girardengo, 1/4 - 20161 Milano MI (Italy) Tel. +39 02 61544.1 Fax +39 02 6152605  
Web: [www.tematlc.it](http://www.tematlc.it) e-mail: [tematlc@tematlc.it](mailto:tematlc@tematlc.it) International: [sales@tematlc.it](mailto:sales@tematlc.it)

