

# 8180 LOUD RINGER

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## USER GUIDE

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## Overview

The 8180 SIP Audio Alerter is a SIP compliant & multicast IP speaker for loud ringing and alerting. The 8180 can be integrated with any Communication Server (hosted or enterprise) that supports 3rd party SIP Endpoints.

For loud ringing, the 8180 is assigned a SIP extension. When the SIP extension is called the 8180 will play a WAV file (ring tone) over the speaker. Several ring tones are included in the 8180 and custom WAV files may also be uploaded. For extra volume, noisy, or wet locations, the optional 1186 horn speaker can be used. More features are available under advanced settings for multiple ring extensions and rules-based ringing based on CLID.

## Key Features & Capabilities

### Loudness

Equipped with a high efficiency integrated amplifier and tuned high quality loud speaker, the 8180 is typically eight times louder than a telephone speaker. If the optional Algo Horn Speaker is used, then the 8180 can be 20 times louder.

### Ambient Noise Compensation

The 8180's SoundSure™ technology automatically adjusts loud ring volume to compensate for background ambient noise. If SoundSure™ is enabled, the alert volume will get louder or quieter by the same dB level as the ambient noise measured just prior to the alert.

### Outputs for External Equipment and Devices

Outputs for external speaker, slave amplifier, or visual alerter plus multicasting capability enable many more options to enhance notification and alert capabilities.

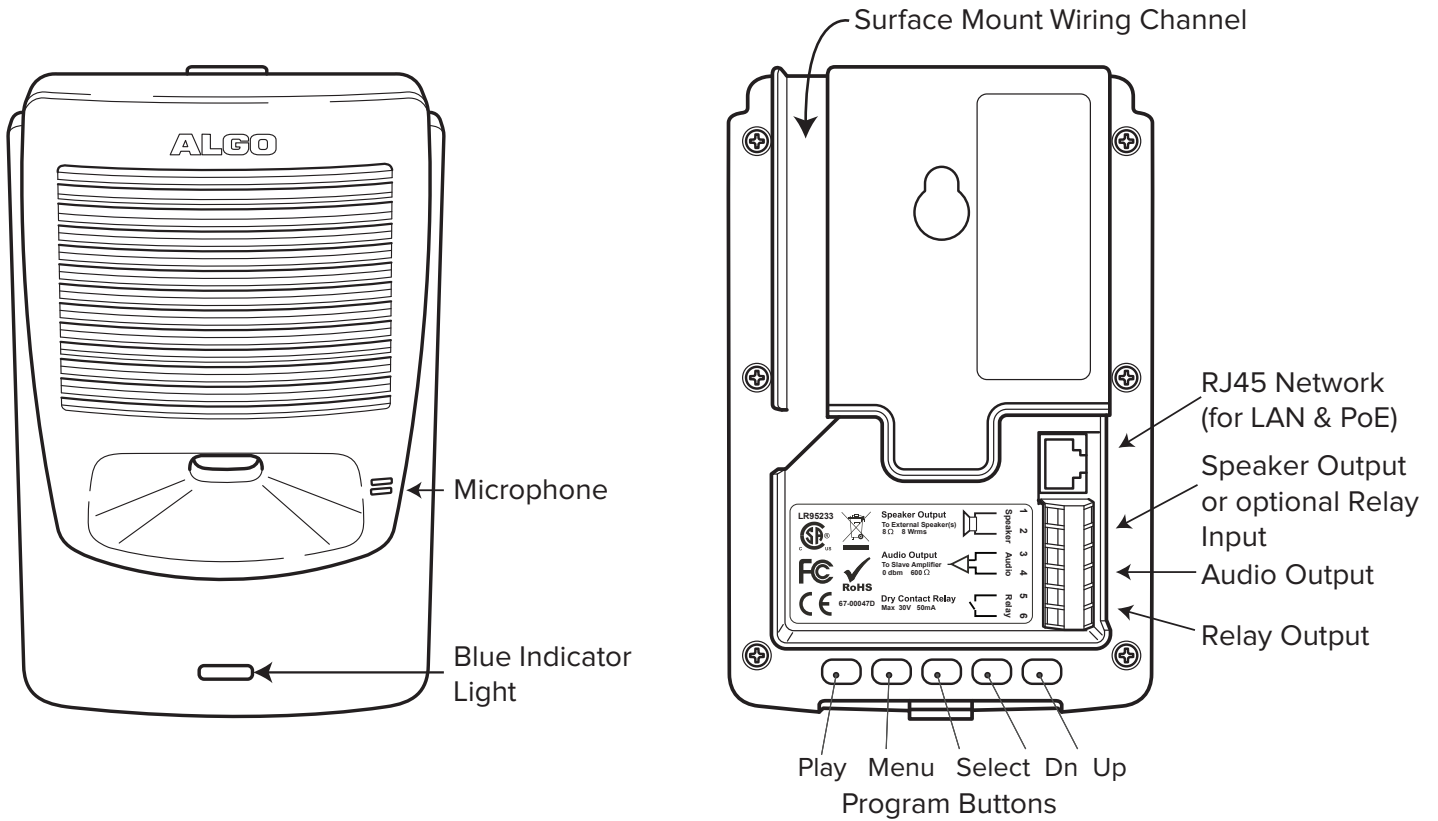
### Ring Tones

Several audio files are pre-loaded into the 8180 internal memory for ring sounds. Users may also record or upload custom audio files, music, sound effects, or voice announcements.

### Blue Indicator Light

This LED light is on during initialization, boot, or while active. Ring modes, when active, will turn the LED on steady. The LED heartbeat option, when enabled, will flash the LED every 30 seconds as visual confirmation of PoE power and SIP server registration.

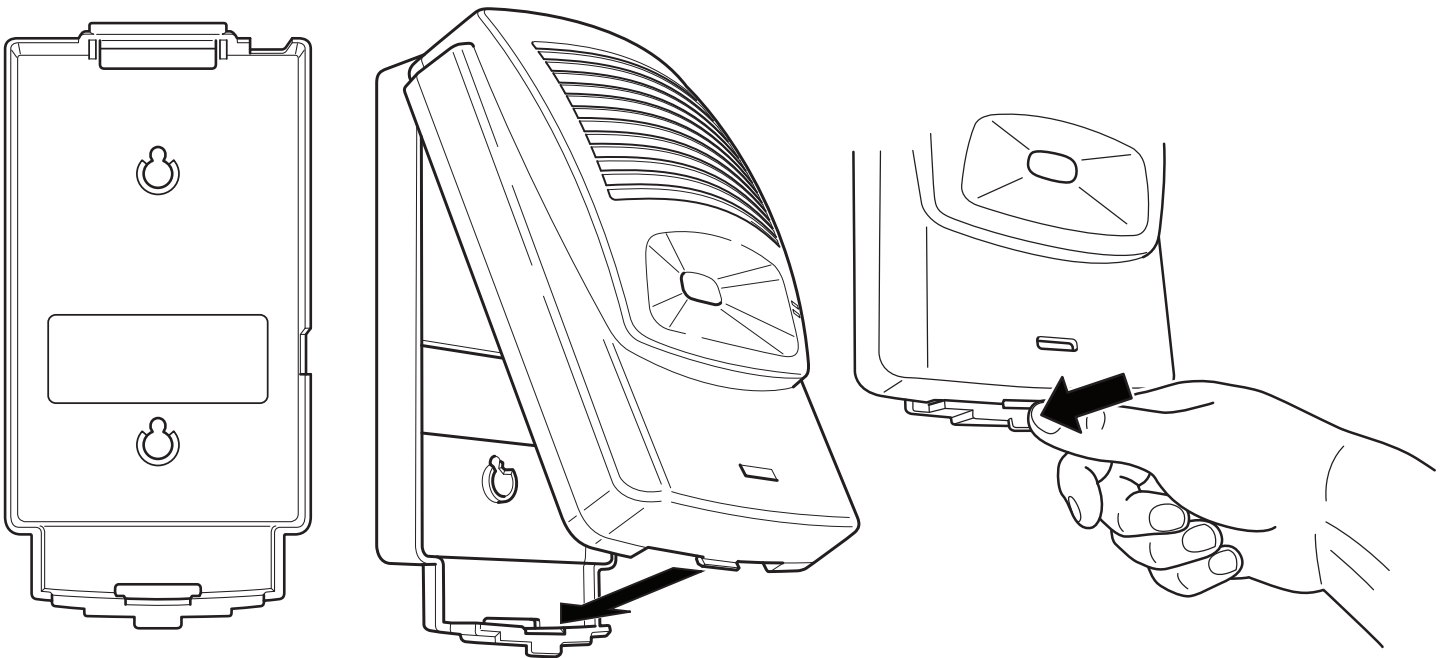
## Front and Back Views



## Setup and Installation

### Wall Mounting

Mount the wall bracket securely and snap the 8180 into the bracket by engaging the top and then pushing the bottom firmly into place. To remove the 8180 from the bracket, press firmly on the tab of the bottom catch, then lift the cover.



## Outputs

### Relay

May be enabled for ring to activate a visual alerter, mute background music, or enable a slave amplifier.

### Auxiliary Speaker

For connection to the optional Algo horn speaker (e.g. for outdoor/wet locations) or to ceiling speakers wired in a series-parallel configuration to maintain minimum 8  $\Omega$ . The presence of an external speaker(s) will automatically disable the internal speaker to preserve power.

### Audio

High impedance output for driving 600  $\Omega$  load up to 0 dBm. Internal speaker may be active simultaneously, but levels cannot be adjusted separately.

## Programming and Configuration

Primary configuration of the 8180 is through the web interface control panel. In addition, there are program buttons on the unit itself for basic setup options.






### Connection to Network and Obtaining IP Address

After connecting the 8180 to a network PoE port, the blue indicator light will turn on during initialization. The 8180 will then attempt to obtain an IP address from the DHCP server. If unsuccessful, the 8180 will default to the fixed IP address 192.168.1.111. When the IP address is selected, the 8180 will chime and turn off the blue light.

**Note:** If you don't have a PoE switch, you'll need a PoE injector that installs between the 8180 and network switch. The PoE injector will supply 48 Vdc to the 8180. Most PoE injectors are capable of providing more power than the 8180 requires (12.95 W). Ensure that the PoE injector is fully compliant to the IEEE 802.3af standard.

### Program Buttons

Play   Menu   Select   Dn   Up








Choose Tone

Record Tone



Get Device Info

The Program buttons on the back of the 8180 allow local adjustment of alert tones and alert volume. The buttons are intentionally hidden from view after installation and can be disabled using the web interface.

The  button plays the current ring tone and allows volume adjustment using the  and  buttons. Press  to exit.

The  button steps through the following three options:

1. Choose ring tone
2. Record ring tone using microphone
3. Get device information (IP address and MAC address)

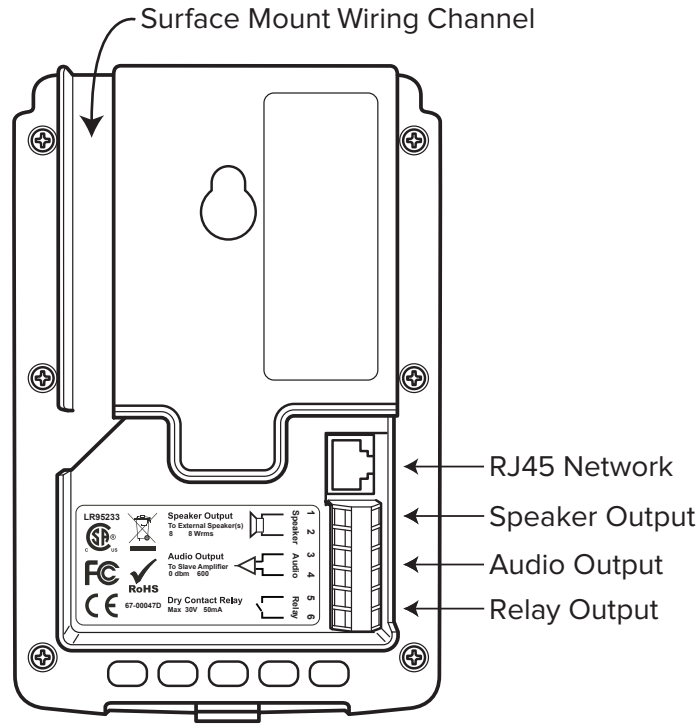
Press the  button to choose option or  to exit.

## Soft Reset

A soft reset will restore all device settings back to the original factory default conditions. To do this, disconnect the network cable from the 8180. Push and hold the Volume Down button and reconnect the network cable. Hold the button until the front light flashes three times.

## Connecting Loudspeaker and Strobe Light

Loudspeaker and Strobe Light wiring location and requirements are on back of ALGO device.



**Note:** 1. Loudspeaker connects to Speaker Output pins  
2. Strobe Light connects to Relay Output pins