wahsega®

Specification Submittal

Second Room Wall Mount IP Speaker (2R)

Model No: WL-SPKR-SMT-2R

Description

The Second Room Surface Mount Wall Speaker connects to a Wahsega Primary Speaker, allowing buildings to cover two distinct audio zones using only one PoE drop. The Second Room Speaker receives all of its data and power from its connected Primary Speaker, and yet it can be registered as a separate SIP account and separate audio zone, appearing to the end user to be completely independent. All programming is configured at the Primary Speaker.

The Second Room Speaker can have its own Call/Panic Button input, Sound Reinforcement Panel input, microphone, and relays. It may be installed within twenty meters of is connected Primary speaker.

This Second Room Speaker may be used with Wahsega Wall-Mount or Ceiling-Mount speakers from any Wahsega speaker product family, including SIP, InformaCast and Carina. The Second Room Speaker is not a standalone device.

Key Features

- Powered by and connected to a Wahsega primary speaker
- Industry-leading low standby power
- Simple surface-mount wall installation
- Integrated status LED
- Integrated microphone
- Web-based mic and speaker volume control
- Fully configurable via Primary Speaker on Carina or InformaCast
- Two onboard relays for door control
- Compatible with standard call buttons
- RJ45 connections for simplified installation
- Available microphone kit
- Available sound reinforcement panel

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Specifications

- Ethernet cable connection
- Power Input: Provided by primary speaker (required)
- Standby Power: < 2W (with Primary Speaker)
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711, G.726 (16/24/32/40kbps), G.722, DVI4 (narrow/HD/Ultra HD), Linear PCM, iLBC, Speex, SILK
- Speaker Drive Capabilities: 5W
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/1M SPL
- Dry Contact Relay Rating: 2A min, 24VAC/30VDC
- Max Cable Length: 20m Cat5e or Cat6
- Temperature Range: -40°C to +60°C
- FCC Class A
- Dimensions: 10.25” x 7.0” x 4.54”
- Weight: 4.36lb
- Construction: Construction: Black extruded aluminum housing with white plastic faceplate
- Options: Microphone Kit, Sound Reinforcement Panel and Wahsega Call/Panic Button
- Warranty: 3 years limited

Installation

Simple, surface mount wall installation with side raceway access for wiring. Power supplied via ethernet connection to primary speaker (up to 20 m). Do not use a crossover cable. The Second Room Wall Mount IP Speaker can mount to the front a standard 2-gang electrical back box or directly onto the wall, using the appropriate anchors for your surface material. Mounting brackets, screws, washers and lock washers are included.

Compatibility

Primary Speakers

- 2x2 Ceiling IP Speaker - WL-SPKR-22-CAR
- Wall Mount IP Speaker - WL-SPKR-SMT-CAR
- 2x2 Ceiling IP Speaker (InformaCast) - WL-SPKR-22-INF
- Wall Mount IP Speaker (InformaCast) - WL-SPKR-SMT-INF

Accessories

- Teacher Mic Kit - WL-MIC-WIR-KIT-1-CAR
- Sound Reinforcement Panel - WL-SPKR-RSR-W
- Call / Panic Button - WL-SPKR-RB-W

Job Name:	Date:	Location:
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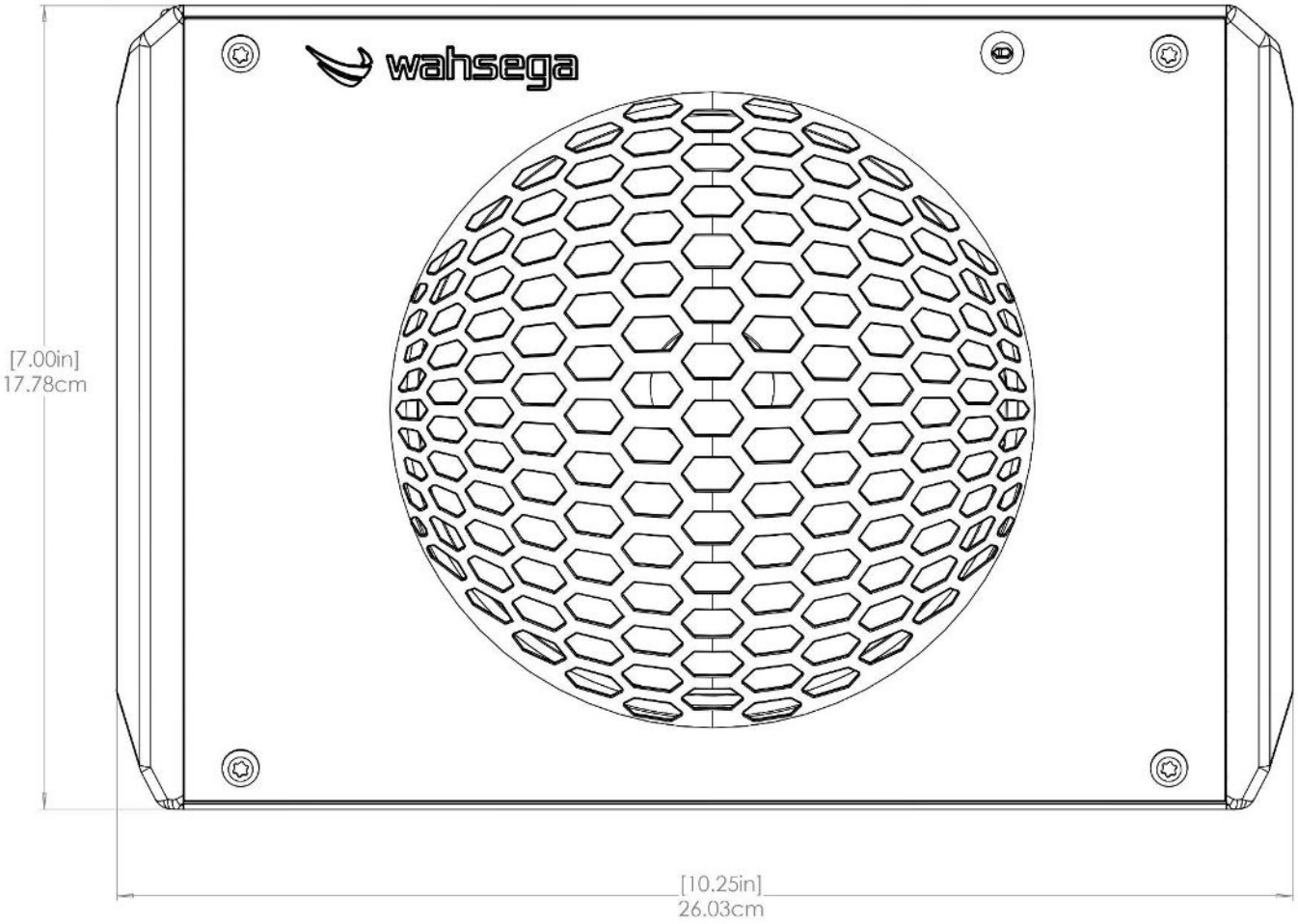
Dimensions

Front View



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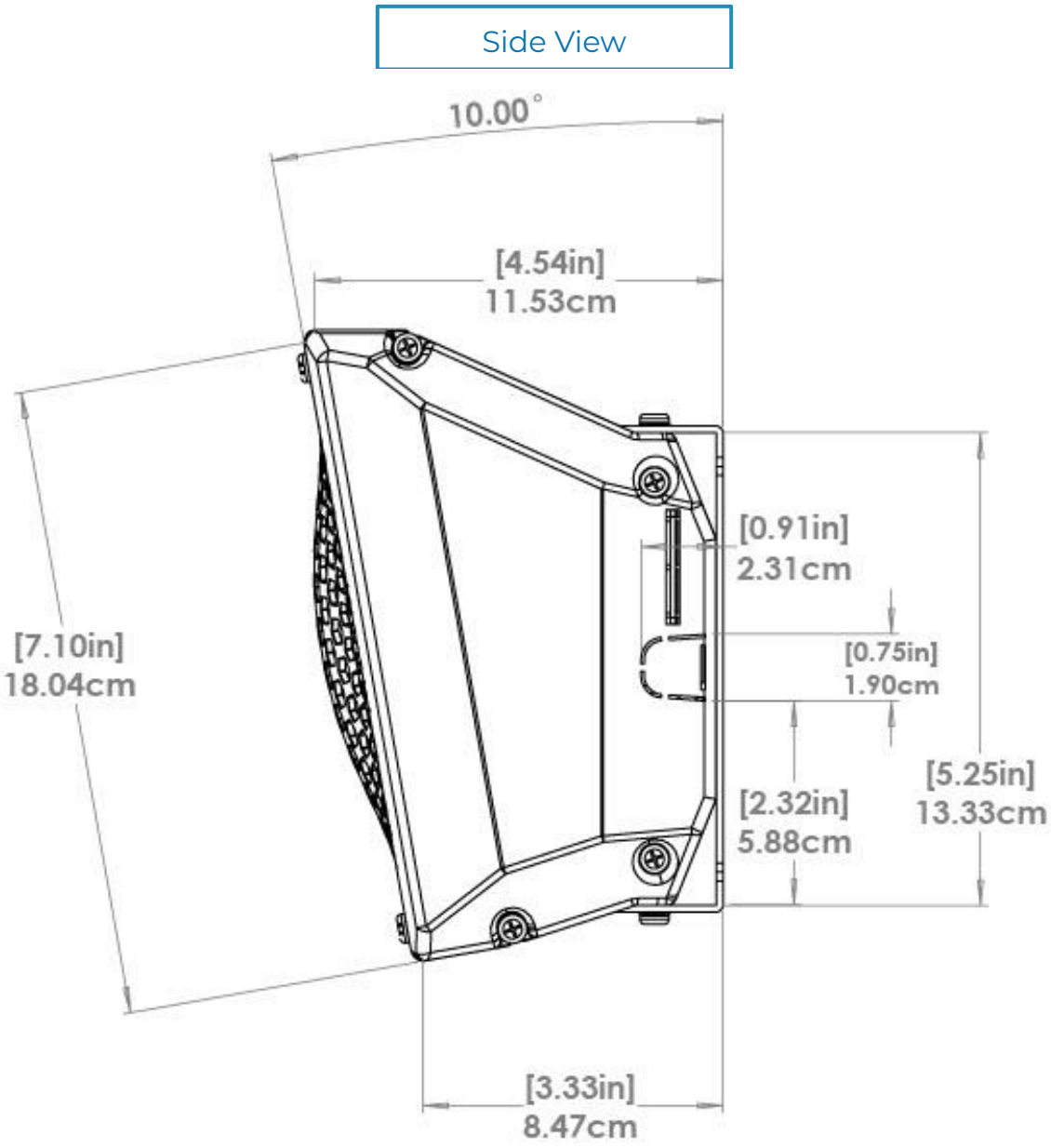
Dimensions



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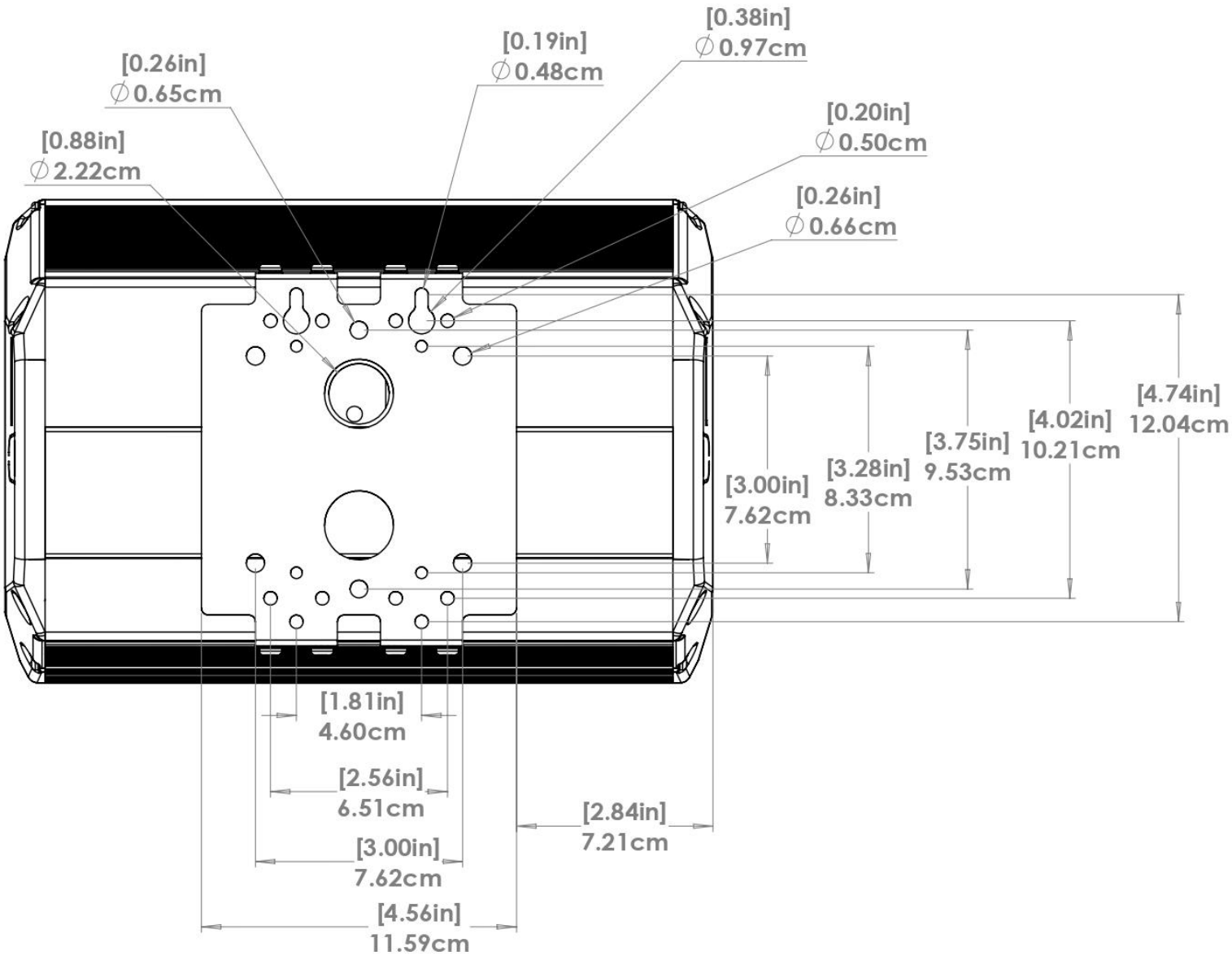
Specification Submittal

Dimensions

Rear View



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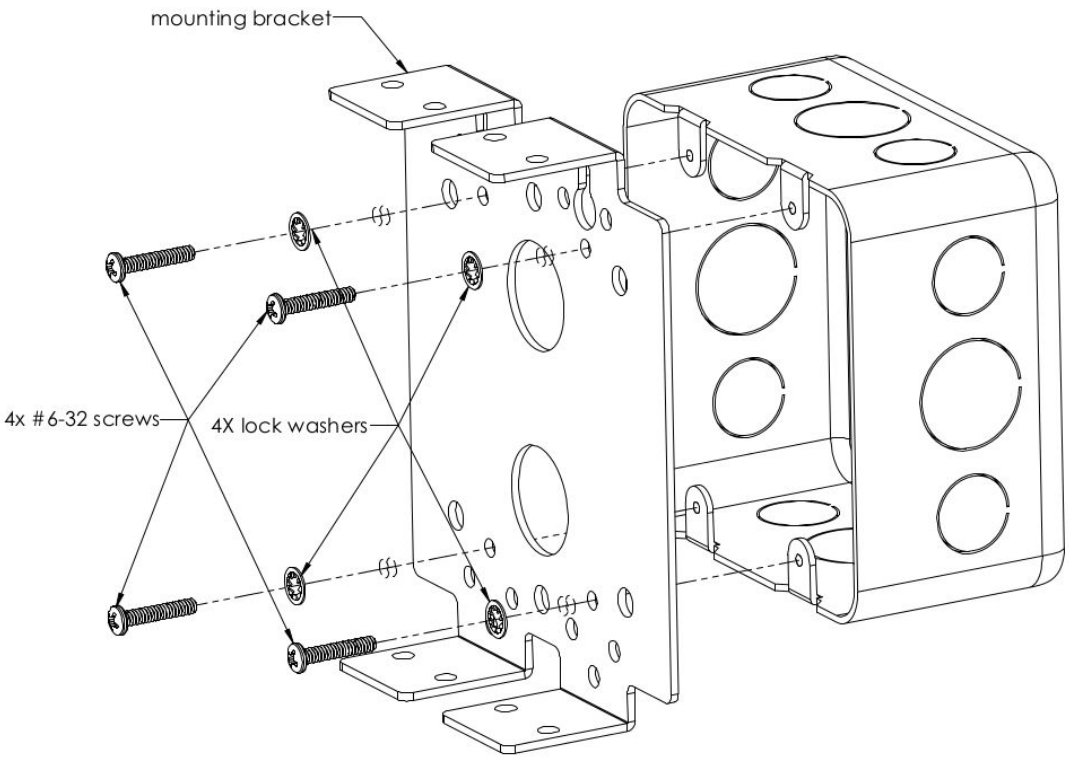
Mounting and Installation



Mounting Bracket

Mount included bracket to the front of a standard two-gang electrical backbox (preferred), using (4) included #6-32 screws and lock washers. If mounting bracket to a solid surface rather than to an electrical backbox, use the appropriate bolts and anchors for that surface.

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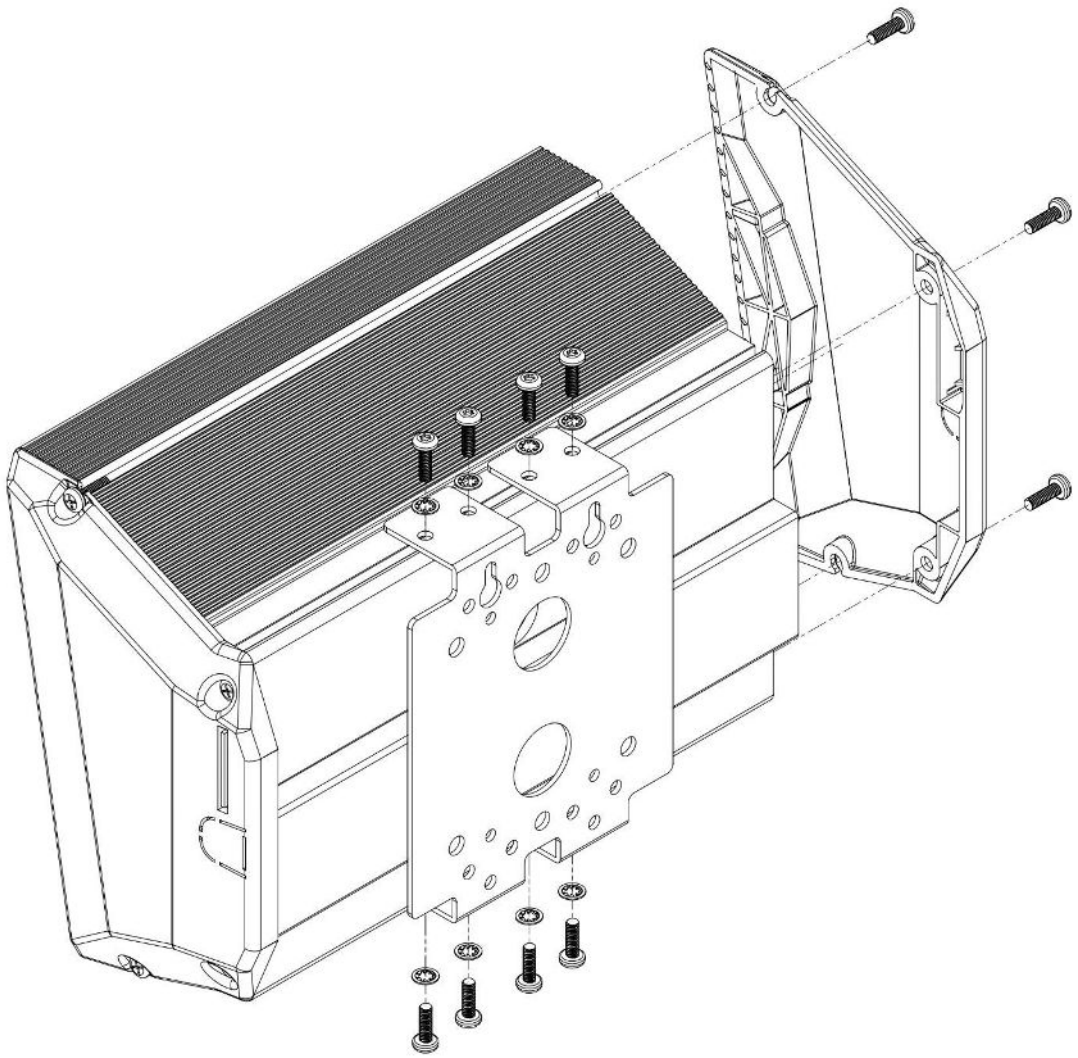
Installation

Please see cable routing installation video here - https://bit.ly/SMT-Cable_Installation

Attach speaker to bracket using included (8) #8-32 screws and washers.



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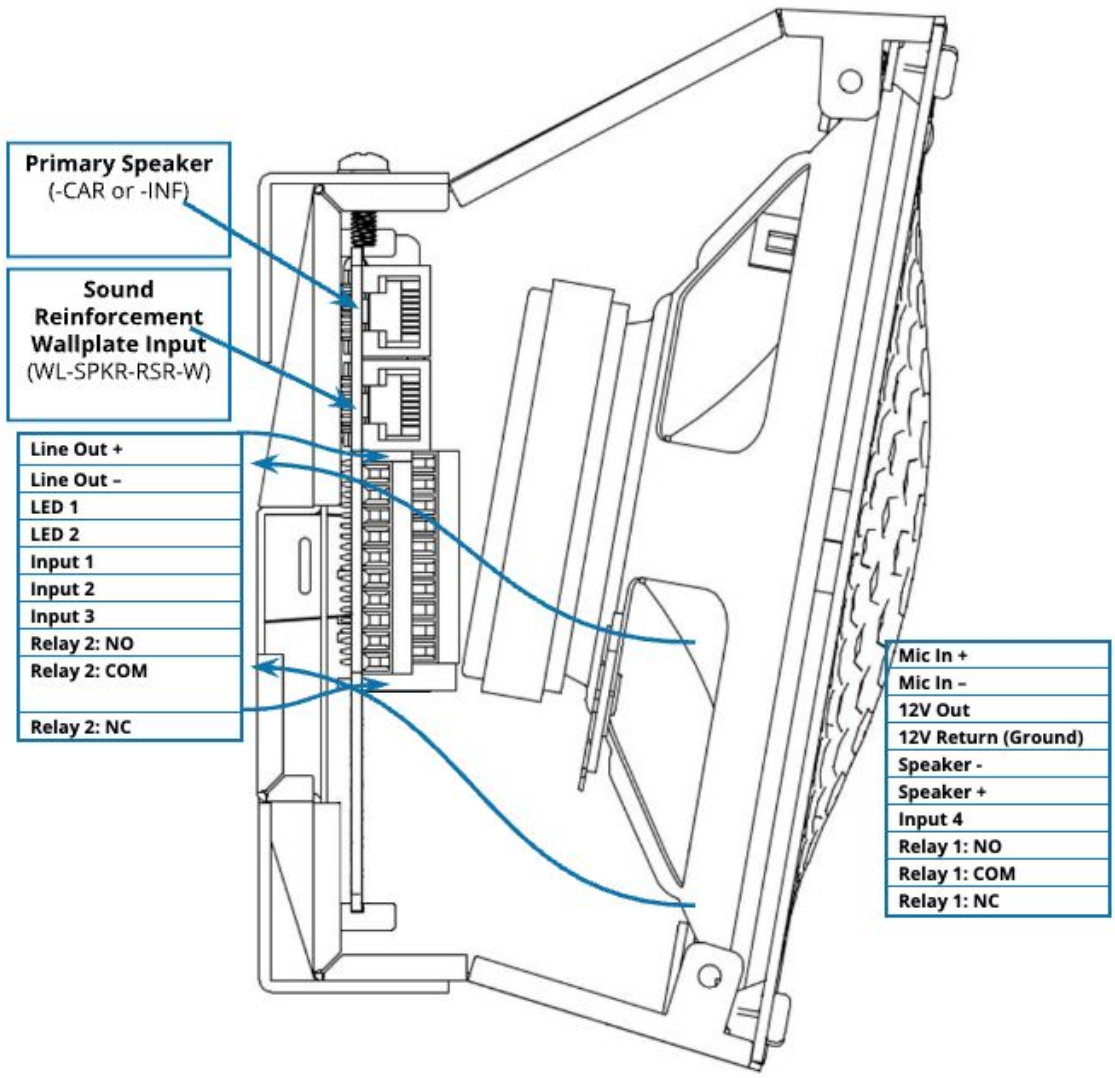
Wiring Diagram



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Terminal Blocks

MIC IN +	Unused
MIC IN -	Unused
12 V OUT	Fused, nominal 12V output, max 0.5A. Subject to power capabilities of PoE.
12 V RTN (GND)	Ground
SPKR -	Unused
SPKR +	Unused
INPUT 4	Contact closure to ground (*12 V RTN*). Connect a Volume Button or SNMP Variable/Trap contact using *Input 4* and *12 V RTN (GND)*.
RELAY 1: NO	Isolated dry contact closure. Normally Open.
RELAY 1: COM	Isolated dry contact closure. Common.
RELAY 1: NC	Isolated dry contact closure. Normally Closed.
LINE OUT +	Consumer line input level (-10dBV)
LINE OUT -	Consumer line input level (-10dBV)
LED 1	Unused
LED 2	Unused
INPUT 1	Contact closure to ground (*12 V RTN*). Connect a Panic/Call Button using *Input 1* and *12 V RTN (GND)*.
INPUT 2	Contact closure to ground (*12 V RTN*). Connect a Volume Button or SNMP Variable/Trap contact using *Input 2* and *12 V RTN (GND)*.
INPUT 3	Contact closure to ground (*12 V RTN*). Connect a Volume Button or SNMP Variable/Trap contact using *Input 3* and *12 V RTN (GND)*.
RELAY 2: NO	Isolated dry contact closure. Normally Open.
RELAY 2: COM	Isolated dry contact closure. Common.
RELAY 2: NC	Isolated dry contact closure. Normally Closed.