

GS1

WALL / CEILING MOUNT MICROPHONE

OVERVIEW

The GS1 is an innovative flush-mount wall microphone that can also be used as a ceiling microphone when drop ceiling tiles are not available. Designed for distance miking, the GS1 features include a fully integrated preamp, an extremely high sensitivity rating of 38 millivolts, and complete immunity from RF interference caused by cell phones and GSM devices.

The GS1 capsule is housed within a patented cradle that enables the microphone to be aimed up to an angle of 40 degrees towards the sound source. Its small footprint and flush-mount configuration allow the microphone to be unobtrusive without sacrificing sound quality.

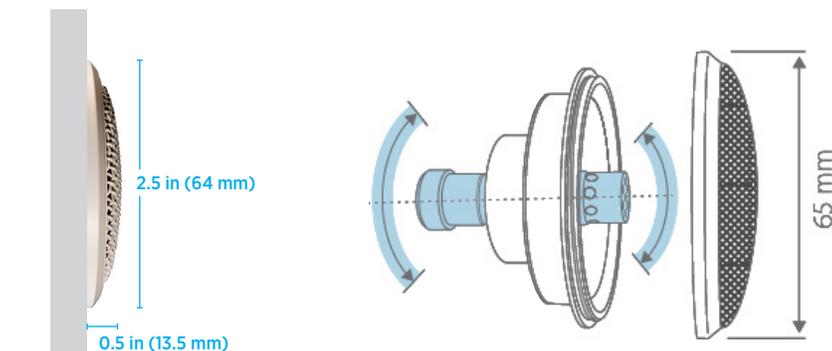
The GS1 terminates in a terminal block connector and is easy to install into a standard single gang box. A 2.75-by-4.5-inch mounting plate is included. The GS1 comes in stock satin nickel finish and is also available in white.



OPERATION AND MAINTENANCE

The GS1 is a low impedance microphone and should be plugged into a “mic level” input on your DSP, mixer, or recording device. The GS1 requires phantom power and will NOT operate without phantom power voltage (18-52 Volts) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, you will have to procure a phantom power supply (such as the Audix APS2). Avoid plugging or unplugging the microphone into or out of the audio system unless the channel is muted or the volume of the system turned down. Failure to do so may result in a loud “popping” noise which could seriously damage the speakers in the sound system.

DIMENSIONS



Audix's patented swivel mounting system can be rotated in any direction and angled up to 40 degrees toward a sound source.

Wall Thickness
MIN. 0.4 in (10 mm)
MAX. 0.8 in (21 mm)
For thicker mounts, contact Audix.

FEATURES

- High output for distance miking
- Immunity to RF interference
- Miniaturized integrated preamp circuitry
- Includes 2.75-inch by 4.5-inch metal mounting plate
- No external power adapter
- Steerable up to 40 degrees
- Designed, assembled and tested in the USA
- 3-year warranty

APPLICATIONS

- Video conferencing
- Distance learning
- Surveillance
- Hospital and medical procedure
- Ambient room miking

MODEL VARIATIONS

- GS1 - Satin nickel finish
- GS1W - White finish

SUPPLIED ACCESSORIES

- 1-inch integrated mic cable terminating with a 3-pin terminal block connector (male and female)
- Mounting plate and attachment screws

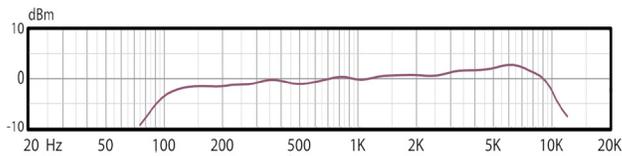
AUDIX®

GS1 Spec Sheet v1.0 09.19

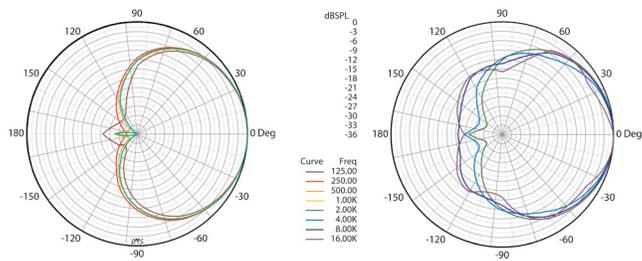
ARCHITECT AND ENGINEER SPECIFICATIONS

The microphone shall be of the condenser type with a cardioid polar pattern. The microphone shall be protected from RF interference. The microphone shall have a fully integrated preamp circuitry thereby eliminating the need for a remote preamplifier module. The microphone shall operate on 18-52 Volts DC and the nominal output impedance shall be equal to 150 ohms at 1 kHz. The microphone shall have a sensitivity of 38 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥ 130 dB with THD of 0.5%. The microphone shall be machined out of brass, aluminum and the dimensions shall be 65 mm in diameter by 10 mm in depth. The microphone shall have the ability to be aimed and rotated within a radius of 40 degrees. The microphone shall be configured for wall mounting and surrounded by a metal wall plate which will conceal and protect wiring from the microphone and the terminal connectors. The microphone shall be the Audix GS1.

FREQUENCY RESPONSE



POLAR PATTERNS



SPECIFICATIONS

Type	Condenser
Polar Pattern	Cardioid
Frequency Response	60 Hz - 10 kHz
Output Impedance	150 Ohms
Sensitivity	38 mV / Pascal @ 1k
Signal to Noise Ratio	72 dB
Equivalent Noise Level	22 dB
Maximum SPL	≥ 130 dB
Dynamic Range	108 dB
Power Requirements	18 - 52 V phantom
Connector	3-pin Phoenix
Polarity	Positive pressure on diaphragm produces positive voltage on blue (center) Phoenix conductor
Materials / Finish	Brass, aluminum, steel White or nickel
Recommended Cable	Belden 9451 P or 82761
Length	176 mm / 6.9 in