

SHURE[®]

LEGENDARY
PERFORMANCE™

PG ALTA™ SERIES
WIRED MICROPHONE

PGA 56 USER GUIDE



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27A24478 (Rev. 3)



PGA56

PG Alta Microphones

Congratulations on the purchase of a new Shure PG Alta series microphone. The PG Alta series delivers professional quality audio at an affordable price, with solutions for capturing nearly any source, including voice, acoustic instruments, drums, and amplified electric instruments. Suitable for live and studio applications, PG Alta microphones are built to last, and meet the same rigorous quality testing standards that make all Shure products trustworthy and reliable.

General Rules for Use

- Do not cover any part of the microphone grille with your hand, as this will adversely affect microphone performance.
- Aim the microphone toward the desired sound source (such as the talker, singer, or instrument) and away from unwanted sources.
- Place the microphone as close as practical to the desired sound source.
- Work close to the microphone for extra bass response.
- Use only one microphone to pick up a single sound source.
- For better gain before feedback, use fewer microphones.
- Keep the distance between microphones at least three times the distance from each microphone to its source ("three to one rule").
- Place microphones as far as possible from reflective surfaces.
- Add a windscreen when using the microphone outdoors.
- Avoid excessive handling to minimize pickup of mechanical noise and vibration.

Proximity Effect

Directional microphones progressively boost bass frequencies as the microphone is placed in closer proximity to the source. This phenomenon, known as proximity effect, can be used to create a warmer, more powerful sound.

Applications And Placement

The following table lists the most common applications and placement techniques. Keep in mind that microphone technique is largely a matter of personal taste; there is no one "correct" microphone position.

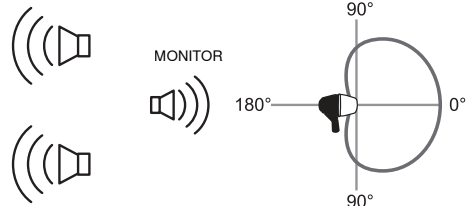
Application	Suggested Microphone Placement	Tone Quality
Tom-Toms	One mic on each tom, or between each pair of toms, 2.5 to 7.5 cm (1 to 3 in.) above drum heads. Aim each microphone at top drum heads. On double head toms, you can also remove bottom head and place a mic inside pointing up toward top drum head.	Medium attack; full, balanced sound.
Snare Drum	2.5 to 7.5 cm (1 to 3 in.) above rim of top head of drum. Aim mic at drum head.	Most "snap" from drumstick.

NOTE: Before each use, make sure the grille is tightly secured on the microphone, as vibration and accidental hits with drumsticks may loosen it, resulting in signal loss.

Avoiding Pickup of Unwanted Sound Sources

Place the microphone so that unwanted sound sources, such as monitors and loudspeakers, are directly behind it. To minimize feedback and ensure optimum rejection of unwanted sound, always test microphone placement before a performance.

P.A. LOUDSPEAKER

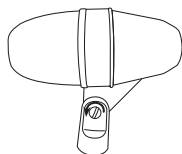
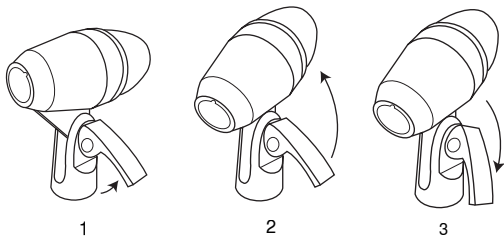


Recommended Loudspeaker Locations for Cardioid Microphones

Using the Quick-Release Lever

This microphone features a quick-release lever to easily adjust position.

1. Pull the lever open
2. Move the microphone into the desired position
3. Press the lever back towards the microphone to tighten



Note: To adjust the tension on the lever, pull it open and use a flat head screwdriver to tighten or loosen the bolt on the opposite side.

Optional Accessories and Replacement Parts

Microphone Drum Mount	A50D
7.6 m (25 ft.) Cable (XLR-XLR)	C25J
Grille	RPMP56G
PGA56 Replacement Grille	RPM152

Certifications

This product meets the Essential Requirements of all relevant European directives and is eligible for CE marking.

The CE Declaration of Conformity can be obtained from:
www.shure.com/europe/compliance

Authorized European representative:
 Shure Europe GmbH
 Headquarters Europe, Middle East & Africa
 Department: EMEA Approval
 Jakob-Dieffenbacher-Str. 12
 75031 Eppingen, Germany
 Phone: 49-7262-92 49 0
 Fax: 49-7262-92 49 11 4
 Email: EMEAsupport@shure.de

Specifications

Type

Dynamic (moving coil)

Frequency Response

50 to 15,000 Hz

Polar Pattern

Cardioid

Output Impedance

200 Ω

Sensitivity

at 1 kHz, open circuit voltage

-57 dBV/Pa¹ (1.45 mV)

Polarity

Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3

Weight

287 g (10.12oz.)

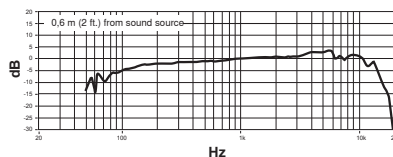
Connector

Three-pin professional audio (XLR), male

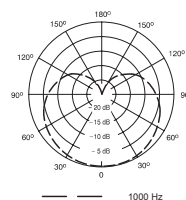
Environmental Conditions

Operating Temperature	-20° to 165°F (-29° to 74°C)
Relative Humidity	0 to 95%

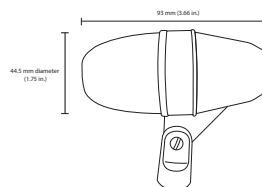
1 Pa=94 dB SPL



Typical Frequency Response



Typical Polar Pattern



Overall Dimensions

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