PG ALTA™ SERIES
WIRED MICROPHONE

PGA 48
USER GUIDE

© 2015 Shure Incorporated
27A25227 (Rev. 3)
Printed in China
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.

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.

Recommended Loudspeaker Locations for Cardioid Microphones

On/Off Switch

- 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.

- Avoid excessive handling to minimize pickup of mechanical noise and vibration.
Specifications

**Type**
Dynamic (moving coil)

**Frequency Response**
70 to 15,000 Hz

**Polar Pattern**
Cardioid

**Output Impedance**
600 Ω

**Sensitivity**
at 1 kHz, open circuit voltage
-53.5 dBV/PadB (2.10 mV)

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

**Weight**
300 g (10.58 oz.)

**Switch**
On/Off Switch

**Connector**
Three-pin professional audio (XLR), male

**Environmental Conditions**

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>-20° to 165°F (-29° to 74°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity</td>
<td>0 to 95%</td>
</tr>
</tbody>
</table>

1 Pa=94 dB SPL

Optional Accessories and Replacement Parts

<table>
<thead>
<tr>
<th>Accessory Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microphone Clip for SM58, SM57, SM87A, Beta 87A, Beta 87C, PGA57, PGA58, PGA48, PGA81</td>
<td>A25D</td>
</tr>
<tr>
<td>5/8&quot; to 3/8&quot; Thread Adapter</td>
<td>31A1856</td>
</tr>
<tr>
<td>7.6 m (25 ft.) Cable (XLR-XLR)</td>
<td>C25J</td>
</tr>
<tr>
<td>25 foot (7.5m) Triple-Flex Microphone XLR Cable with chrome connectors</td>
<td>C25F</td>
</tr>
<tr>
<td>PGA48 Replacement Grille</td>
<td>RPMP48G</td>
</tr>
</tbody>
</table>

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: info@shure.de

Typical Frequency Response

Typical Polar Pattern

Overall Dimensions