



# GGRBH Recording Condenser Microphone User Guide

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# GGRBH

**GGRBH Recording Condenser Microphone**



## DESCRIPTION

The GGRBH Recording Condenser Microphone is an audio recording equipment that is designed for professional use and is renowned for the remarkable sound clarity and adaptability that it provides. This microphone has a wide frequency response range and a cardioid polar pattern, which allows it to capture audio with precision while decreasing the amount of background noise it picks up. It is designed to be used for studio-quality recordings, podcasting, streaming, and other applications. Anyone looking for high-quality audio capture in a variety of recording situations may rely on it as a solid option thanks to its sturdy metal design, XLR connectivity, and compatibility with shock mounts.

## SPECIFICATION

- **Brand:** GGRBH
- **Polar Pattern:** Cardioid
- **Capsule:** 25mm Condenser Capsule
- **Frequency Response:** 20Hz-20kHz
- **Max. SPL:** 120dB
- **Sample Rate:** 44.1/48kHz
- **Bit Rate:** 16bit
- **Power Requirements:** 5V 70mA (idle), 100mA (peak)
- **Signal Output:** 1/8" (3.5mm) TRS Jack
- **Headphone Impedance:** 16ohms
- **Headphone Output:** 85mW at 16ohms
- **THD:** 0.01% unloaded, 0.04% @ 32ohms

- **Headphone Frequency Response:** 20Hz-20kHz
- **Signal to Noise:** 96dB (A)
- **Cable Length:** About 2.2M
- **Item Size:** 5 \* 10cm / 2 \* 4in (folded)
- **Item Weight:** 265g / 9.3oz
- **Package Size:** 12.5 \* 15.5 \* 7.5cm / 4.9 \* 6.1 \* 3in
- **Package Weight:** 561g / 1.2lb

## WHAT'S IN THE BOX

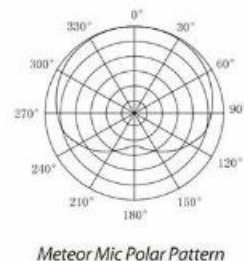
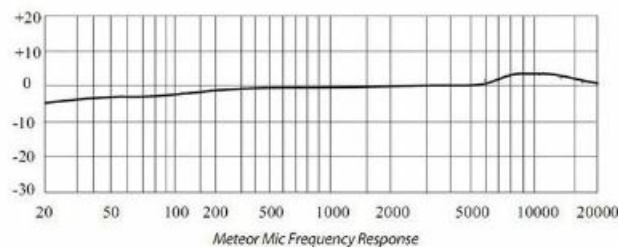


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## PRODUCT OVERVIEW



## FREQUENCY RANGE & POLAR PATTERN



## FEATURES

- **Expansive Frequency Response:** Offers a wide frequency range, accurately capturing both high and low-frequency sounds.
- **Cardioid Polar Pattern:** Minimizes background noise by concentrating on sound from the front while attenuating off-axis sound.
- **Shock Mount Compatibility:** Compatible with a variety of shock mounts for enhanced vibration isolation.
- **Robust Metal Construction:** Crafted from durable metal, ensuring longevity and resistance to wear.
- **Low Self-Noise:** Maintains minimal internal noise levels, guaranteeing clean recordings, even in quiet environments.
- **High SPL Handling:** Capable of managing high sound pressure levels without distortion.
- **XLR Connectivity:** Utilizes a standard XLR connection for compatibility with most audio equipment.
- **Phantom Power Requirement:** Relies on 48V phantom power for operation.

## HOW TO USE

- **Positioning:** Orient the microphone's diaphragm toward your intended sound source, exploring various distances and angles for optimal sound capture.
- **Connection:** Link the microphone to an audio interface or mixer equipped with an XLR connection, using a balanced XLR cable.
- **Monitoring:** Employ headphones or studio monitors to actively monitor audio during recording, allowing for real-time quality control.
- **Recording Software:** Utilize professional recording software to capture and edit audio sourced from the microphone.
- **Post-Processing:** Enhance recorded audio by applying equalization, compression, and other necessary audio processing tools.

## MAINTENANCE

- **Routine Cleaning:** Regularly wipe down the microphone's body and grille with a soft, lint-free cloth to eliminate dust and dirt.
- **Proper Storage:** When not in use, store the microphone in a dry, dust-free environment to prevent any potential harm.
- **Cable Care:** Inspect the microphone cable for any signs of wear or damage, replacing it as needed to uphold audio quality.
- **Phantom Power Check:** Verify that your audio interface or mixer can supply the necessary phantom power (typically 48V) if the microphone requires it.

- **Pop Filter Care:** Routinely clean or replace the pop filter to prevent the accumulation of moisture and debris.
- **Shock Mount Inspection:** Periodically examine the shock mount for loose components or signs of wear.

## PRECAUTIONS

- **Moisture and Dust Protection:** Safeguard the microphone against moisture and dust to prevent internal harm.
- **Extreme Temperature Avoidance:** Avoid exposing the microphone to extreme temperatures, whether hot or cold.
- **Phantom Power Check:** Before connecting the microphone, ensure that your audio interface or mixer can supply the necessary phantom power.
- **Transportation Safety:** When transporting the microphone, utilize a protective case to prevent physical damage.
- **Pop Filter Consideration:** Contemplate the use of a pop filter to diminish plosive sounds and safeguard the capsule from moisture and debris.

## TROUBLESHOOTING

- **Low Volume:** Adjust the microphone gain on your audio interface or mixer, ensuring that the microphone capsule remains unobstructed.
- **Noise or Hissing:** Identify and eliminate potential sources of interference while employing a pop filter to mitigate plosive sounds.
- **Distortion:** To prevent distortion, either lower the microphone gain or adjust your distance from the sound source.
- **Uneven Sound:** Experiment with various microphone positions and angles to achieve uniform sound capture.

## FREQUENTLY ASKED QUESTIONS

What is the GGRBH Recording Condenser Microphone?

The GGRBH Recording Condenser Microphone is a high-quality microphone designed for capturing audio with exceptional clarity and precision, making it ideal for recording vocals and instruments.

What is the microphone's polar pattern?

The microphone typically features a cardioid polar pattern, which is excellent for isolating the sound source and reducing background noise.

Is the GGRBH Condenser Microphone suitable for studio recording?

Yes, it is suitable for studio recording, offering professional-grade sound quality for vocals, acoustic instruments, and more.

Does the microphone require phantom power?

Yes, the GGRBH Condenser Microphone requires +48V phantom power to operate. Ensure that your audio interface or mixer provides phantom power.

What is the microphone's frequency response range?

The microphone has a frequency response range of 20Hz-20kHz, ensuring accurate and full-range sound reproduction.

Can I use the GGRBH Condenser Microphone for live performances?

While it excels in studio recording, it can be used for live performances when connected to suitable audio equipment.

What accessories come with the GGRBH Condenser Microphone?

In the box, you'll typically find the GGRBH Condenser Microphone, a shock mount or microphone clip, a pop filter, and a protective case.

Is there a built-in low-cut filter on the microphone?

Some models of the GGRBH Condenser Microphone may include a built-in low-cut filter to reduce unwanted low-frequency noise and rumble.

What is the warranty for the GGRBH Condenser Microphone?

Warranty coverage may vary, so it's recommended to check the warranty details provided by GGRBH or the retailer at the time of purchase.

Can I use the microphone with audio interfaces and mixers?

Yes, the microphone can be easily connected to audio interfaces, mixers, and other audio equipment with XLR or USB connections.

Is there a pad switch on the microphone for adjusting sensitivity?

Some models of the GGRBH Condenser Microphone may feature a pad switch to reduce sensitivity when recording loud sources.

Can I use the microphone for recording podcasts and voiceovers?

Yes, it is an excellent choice for recording podcasts, voiceovers, and narration due to its clear and detailed sound reproduction.

What is the microphone's maximum sound pressure level (SPL)?

The maximum SPL may vary by model, but it is typically sufficient for recording loud sound sources without distortion.

Is the GGRBH Condenser Microphone compatible with Mac and PC?

Yes, the microphone is compatible with both Mac and PC systems, making it versatile for different recording setups.

Where can I find additional resources and user manuals for the GGRBH Condenser Microphone?

You can find additional resources, user manuals, and customer support information on the GGRBH website and through authorized GGRBH dealers.

[Manuals+](#).