



GELDING
G49

manual

Microphone set G49

Introducing the G49 microphone from Gelding - the perfect blend of **vintage style and modern performance**. The G49 is designed to replicate the iconic sound of the Neumann M49, with a warm and detailed sound that will bring your recordings to life. It features **higher sensitivity and a lower noise floor**, making it easier than ever to capture every detail of your sound without compromise.

You will like mix ready sound especially for female voices and also it is great for orchestral recording for example in Decca tree configuration.

Microphone is **handmade** in Czech Republic and uses the best quality components. It was designed using number of electronic measurement, acoustic measurement in anechoic chamber and the resulting sweet spot was always fine-tuned by listening tests in different conditions.

Microphone set is delivered with all necessary accessories including carrying case.



How it sounds? Listen high quality audio samples on www.gelding.eu

Features

- Mix ready sound
- Characteristics wide sound feeling
- Significant proximity effect
- Microphone capsule M7
- High sensitivity and very low noise 12dB-A
- NOS low noise tube
- Only one capacitor in signal path
- 2 or 3 polar pattern version available
- Exact replica of big BV11 transformer
- Completely Stabilised PSU
- soft start tube powering system
- Handbuilt in Czech republic
- Most parts made locally
- 5 years warranty



Microphone

The G49 is a tube microphone with remote polar pattern switching system located on the PSU unit. Microphone by default comes in two polar patterns (Cardio/Omni) configuration as it has lower noise floor by approx. 4dB. Three polar pattern version can be made on request. Microphone is equipped with a M7 capsule manufactured by Mr Thiersch. By default, PVC membrane is used but can be fitted with a PET membrane on request.

It has a low noise triode as its only active component in the signal path, and its output signal is balanced using the transformer type BV11. The front side of the acoustical axis of the microphone is indicated by the gelding logo shield.

For connection to the power supply microphone uses a 7 pin connector which is located on the bottom of the microphone and provides powering and signal transfer.

Power Supply

Power supply GS20 provides necessary voltages for microphone. It is completely stabilised and includes overvoltage protection and soft start tube powering system to prolong tube life.

- (1) Mains Voltage Selector (115/230V) - Set according to your mains voltage
- (2) IEC Power Inlet - Uses standard IEC connector.
- (3) Fuse Holder - You can use fuse type depending on mains voltage:
230V :T/250V/80mA (SLO-BLO), 115V: T/250V/160mA (SLO-BLO)
- (4) Power Switch - Switches the power supply and its ON state is indicated by LED indicator.
- (5) Power Indicator - Powering ON is indicated by LED indicator.
- (6) Polar Pattern Switch - Rotary switch used for polar pattern switching indicated. You can choose between two versions:
 - 2 polar pattern (Cardio/Omni) and
 - 3 polar pattern (Cardio / Omni / Figure-eight)
- (7) Microphone Connector - As an input connector is used 7 pin female Binder connector which contains signal and all necessary voltages for microphone.
- (8) Output Connector - The balanced audio signal is fed into standard male XLR connector.



Quick start guide

1. Install the microphone on the stand with a microphone shock mount.
2. Make sure the interface or mixer channel volume is turned down.
3. Make sure the proper voltage for your country is selected on the rear of the power supply.
4. Connect the microphone to Power supply using included 7pin cable
5. To extend the life of the microphone use pop filter when recording vocal.
6. Attach the power cord cable and plug it into power source.
7. Switch the power supply ON.
8. Wait for 3 minutes until tube reaches stable operating point.
9. Microphone is ready to use.

Microphone set includes

- Microphone G49
- Power supply GS20
- Shock mount
- Microphone cable (6m)
- Power cord
- Operation manual
- Carrying case



Safety operation

The microphone is designed for application in enclosed spaces at an ambient temperature of 5 °C to 45 °C and a relative humidity of 93% at an temperature 25 °C.

Do not subject the microphone to sudden shocks or impacts.

Do not allow water to enter the microphone.

Do not use organic solvents (gasoline, dichloroethane, alcohol, etc.) to clean the microphone.

Do not use or store the microphone in rooms containing acidic or other aggressive impurities in the air.

Store the microphone in a dry, clean and dust-free room at room temperature, using the packing included in the package.

Warranty

Thank you for choosing our product! We are confident that it will provide you with reliable and satisfactory performance for many years to come.

To assure you of our commitment to quality, we offer a 5-year warranty for your purchase.

This warranty covers any defects in materials or workmanship and provides for repair or replacement of the product at no charge to you.

This warranty is valid for a period of 5 years from the original date of purchase and applies only to the original purchaser of the product.

This warranty covers any defects or malfunctions in the product due to faulty material or workmanship. In the event of a defect or malfunction, the manufacturer or its authorized service centers will repair or replace the product at its discretion.

In the event that repair or replacement is not possible, the manufacturer may, at its discretion, offer an alternative solution such as a refund or credit.

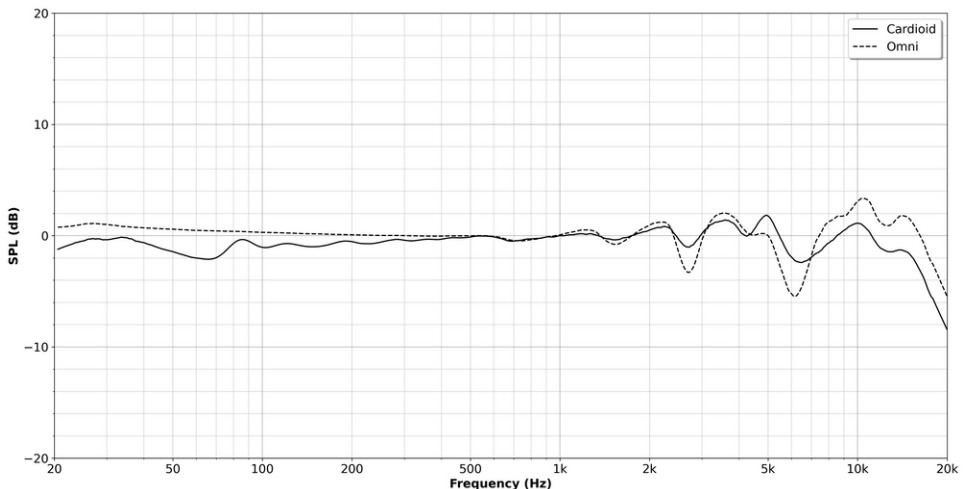
This warranty does not cover any damages or malfunctions caused by improper use, normal wear and tear, abuse, unauthorized modifications, unauthorized repair attempts, accidents, or other external causes beyond our control.

This warranty does not cover any costs associated with the removal and installation of the product, or any incidental or consequential damages.

This warranty is non-transferable and is valid only in the country of purchase. This warranty is provided in place of all other warranties, express or implied, and no other warranty, express or implied, is made by the manufacturer.

Specifications

- Type: Condenser microphone
- Operating temperature range: 0+40 °C
- Storage temperature range -20....+70 °C
- Acoustical principle: Pressure gradient transducer
- Capsule: Large diaphragm M7
- Polar patterns: Cardioid / Omni
- Sensitivity (Cardio / Omni): 39 mV / 18 mV
- Nominal impedance: 200
- Nominal load impedance: 1k
- Equivalent self noise: 12dB SPL -A
- Signal to Noise ratio: 82dB
- Vacuum tube type: selected triode
- Microphone warm up time: approx. 2 minute
- Fuse (SLO-BLO): T/250V/80mA, T/115V/160mA
- Cable length: 6m
- Weight (Case included): 6700 g / 14,8 pounds
- Case weight (Empty): 3140 g
- Case dimensions: 48x18x39 cm, (18.9 in.x 7 x 15.35in)



Designed and handcrafted in Czech Republic



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