

GA-47 mkII

Handwired Large-diaphragm Tube Condenser Microphone



Notice

This manual provides general information, preparation for use, installation and operating instructions for the Golden Age Audio GA-47 mkII. The information contained in this manual is subject to change without notice. Golden Age Audio makes no warranties of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Golden Age Audio shall not be liable for errors contained herein or direct, indirect, special, incidental, or consequential damages in connection with the furnishing, performance, or use of this material.

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PRECAUTIONS

- ◆ Be careful not to drop the GA-47 mkII or subject it to shock since this can destroy the sensitive capsule.
- ◆ Always pack the GA-47 mkII carefully in the included flight case when transporting it.
- ◆ The heart of the GA-47 mkII is its capsule. It must be protected from dirt and moisture.
- ◆ Always use a pop filter for close-up vocals to protect the capsule from mouth spray.
- ◆ Always store the GA-47 mkII in its wooden box when it is not in use.
- ◆ Always connect the GA-47 mkII to the preamp or mixing console BEFORE power is applied and unplug the microphone cable AFTER you have turned off the power and waited 10 seconds or more. This is to avoid possible damage to the electronic circuits in the GA-47 mkII
- ◆ Because the GA-47 mkII includes its own power supply, you do not need to engage phantom power on your mixer or interface.
- ◆ Avoid exposing the GA-47 mkII to direct sunlight or extremes in humidity for extended periods of time.
- ◆ Never try to service the GA-47 mkII yourself since this will void the warranty. Should your GA-47 mkII ever need service, please contact your dealer.



Please check the GA-47 mkII carefully immediately when you receive it and make sure that there are no problems with the microphone. The warranty period is one year, and applies to defects in materials and workmanship. It does not cover misuse of the microphone.

If you ever experience any problem, contact your dealer.

REGISTRATION

You are welcome to register your unit at our website: www.GoldenAgeAudio.com

INTRODUCTION

Congratulations on choosing the Golden Age Project GA-47 mkII microphone!

The Golden Age Premier GA-47 is the result of a lot of hard work and real world testing and the MKII version has been further refined. The end result is a microphone with a very sweet character that should appeal to a great number of users and a microphone that can be used for the most demanding recording tasks. It has proved itself to be a great all-rounder, this is not a “vocal-only” microphone.

The GA-47 MKII is not a product that is built in huge quantities on a big assembly line. It’s a product that is built by hand, fifty units at a time in a small workshop by a skilled and dedicated staff. It uses very high quality components all the way to achieve the goal of offering classic U-47 qualities.

USING THE GA-47 mkII

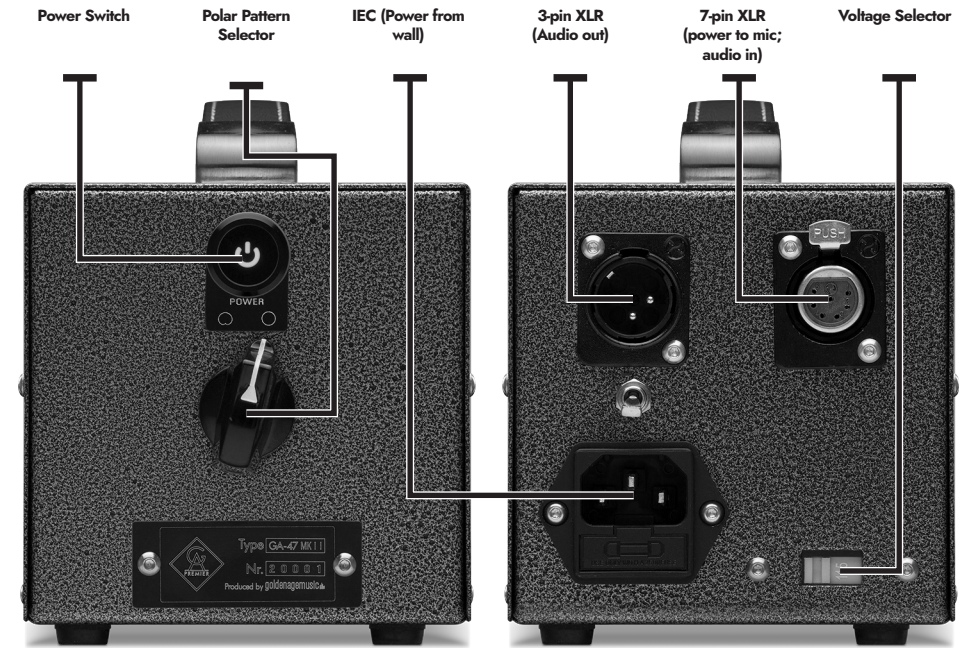
The GA-47 mkII requires the included power supply to operate. It employs the included 7-pin XLR cable for power and audio in from the mic, and a standard 3-pin XLR cable (not included) for the audio signal out from the power supply. Do not connect the power supply to mains power before connecting the XLR cables. Always connect the power supply to the wall AC last.

- ◆ Connect the included shockmount to your mic stand. Thread the base of the GA-47 mkII into the threaded shockmount until finger-tight, allowing enough tolerance for adjustments if needed later.
- ◆ Connect the male end of the 7-pin XLR cable into the mic input of the power supply, and connect the female end to the GA-47 mkII.
- ◆ Connect the female end of a 3-pin XLR cable into the output of the power supply, and connect the male end to your mixer, interface, or preamp.
- ◆ Position your GA-47 mkII as desired towards your sound source.
- ◆ Connect the power supply to the AC mains (wall power).
- ◆ Turn the power supply on. You do not need to engage phantom power on your mixer or interface.

You’re ready to start recording! The GA-47 mkII can be used with any standard mixer or preamp. Please note that the GA-47 mkII does not require +48 V phantom power to be activated on your mixer or interface - that’s handled by the power supply. For optimum performance, let the GA-47 mkII warm up for 5-10 minutes before use.

Be aware of the proximity effect (an increase in bass response) when the microphone is close to the sound source. This can be a good or a bad thing. You can adjust the bass response by changing the distance from the microphone to the sound source for an optimum result in different situations. You can also use the high pass filter by engaging the internal switch.

As always, experiment! This is the best way to get the sound you want. Microphone placement is an art and you will learn a lot by trying different methods.



POLAR PATTERNS

The included power supply uses a 2-position switch for selection between two polar patterns; Cardioid and Omnidirectional.

Cardioid (Switch to the left)

Cardioid mode is most sensitive to sound from the front while rejecting much of the sound from the sides and rear. This should be your go-to setting for close-miked applications like vocals, where you would prefer to capture less room reverberations. Note that cardioid mode will exhibit some proximity effect, adding bass when placed closer to the sound source - which you can use to deliberate effect.

Applications: Vocals, strings, piano, guitar, horns, etc.

Omnidirectional (Switch to the right)

Omnidirectional mode captures sound equally from all directions—front, sides, and rear. It’s ideal for recording natural, ambient sound or multiple sources in a room without favoring any particular angle. Because it doesn’t reject off-axis sound, it’s less susceptible to proximity effect.

Applications: Drum room, choirs, old-timey single-mic style bluegrass recordings.

SPECIFICATIONS

FREQUENCY RESPONSE	20 Hz-20 KHz
POLAR PATTERNS	Cardioid and Omni-Directional
SENSITIVITY	12mV/Pa
RATED IMPEDANCE	200 Ω
EQUIVALENT NOISE LEVEL	10 dB
MAX S.P.L	140 dB
BACKPLATE MATERIAL	brass
CAPSULE DIAMETER	35 mm
MEMBRANE DIAMETER	27 mm