



TC1

Tube Condenser Microphone

INTRODUCTION

Congratulations on choosing the Golden Age Project TC 1 microphone!

The TC 1 is a high quality dual capsule tube condenser microphone, inspired by classical tube microphone models.

The TC 1 is a very versatile microphone with a wide frequency response and a large dynamic range. It will perform great in the studio or in live sound and broadcast applications.

It's sound character is similar to vintage tube microphones and it will sound superb on most instruments and voices.

Use it on vocals and choirs, acoustic and electric guitars and other fretted instruments, as a drum overhead or room mic and in any other application where you would use a vintage style tube condenser mic.

The TC 1 is, in spite of its extremely low cost, suitable for critical recording applications.

FEATURES

- True condenser mic with 26mm, 3um gold-sputtered low distortion dual capsule mounted on an effective internal shock mount.
- Selected low noise 6072/12AT7 vacuum tube.
- Discrete class A tube electronics with vintage style EQ and transformer balanced output stage.
- Nine polar patterns: Cardioid, Omni, Figure 8 and six intermediate stages gives you many ways to model the sound. The room pick-up, proximity effect and the tonal response changes with the different patterns.
- External switches for high-pass filter and pad.
- Heavy duty brass body. Shock mount included.
- External power supply with polar pattern selector.

Please note: Specifications can be changed at any time without notice.

USING THE TC 1

Connect the supplied cable between the TC 1 and the power supply. Then connect a standard balanced XLR microphone cable to the preamp or mixer.

The TC 1 power supply needs 115 or 230V AC power. For optimum performance, let the TC 1 warm up for at least 15 minutes before use.

Be aware of the proximity effect (an increase in bass response) when the mic is close to the sound source (the omni pattern has no proximity effect). This can be a good or a bad thing. You can adjust the bass response by changing the distance from the mic to the sound source for an optimum result in different situations. You can also use the high-pass filter.

PRECAUTIONS

- Make sure that you select the proper voltage on the voltage selector on the power supply before connecting the unit to 115 or 230V AC power, otherwise the unit can be damaged!

- Do not use 48V phantom power with the TC-1.

- Be careful not to drop the TC 1 or subject it to shock since this can destroy the sensitive capsule.

- Always pack the TC1 carefully when transporting it.

- The heart of the TC 1 is its capsule. It must be protected from dirt and moisture, otherwise the sound will be degraded.





Always use a pop-filter for close-up vocals to protect the capsule from mouth spray.

Always store the TC 1 in its vinyl pouch when it is not in use.

- Protect the TC 1 from strong wind blasts. Do never put in inside or close to the front of a kick drum. Use a pop-filter and place it at least 0,5m away.

- Avoid exposing the TC 1 to direct sunlight or extremes

in humidity for extended periods of time.

- Do never try to service the TC 1 yourself since this will void the warranty. Should your TC 1 ever need service, please contact your dealer.

WARRANTY

Please check the TC 1 carefully immediately when you receive it and make sure that there are no problems with the microphone. The warranty period is one year (six months on the tube) and apply to defects in materials and workmanship. It does not cover misuse of the TC 1.

If you ever experience any problem with the TC 1, contact your dealer.

SPECIFICATIONS

Capsule type: True condenser pressure gradient.

Capsule size: 26 mm, 3um gold-sputtered.

Polar pattern: Nine different ones.

Frequency response: 20Hz - 20kHz

Sensitivity: 15 mV / -36dB (0dB=1V/Pa) @1kHz.

Equivalent Noise Level (A-weighted per IEC 268-4): < 18 dB typical.

Maximum SPL (<1% THD @1kHz): 140 dB.

Output impedance: 200 ohm.

Highpass filter: -3dB @ 100Hz.

Pad: -10dB (use with loud sound sources).

Recommended load impedance: 1000 Ohm or more.

Dimensions: 52x193 mm. Weight: 500 g.

Operating voltage: 115 or 230V AC power.

Many thanks for purchasing the Golden Age Project TC 1

- We wish you much joy and many wonderful recordings with it!

