

MICROPHONES

The MANLEY GOLD REFERENCE MULTI-PATTERN MICROPHONES are a statement, quite simply, of the finest microphones that money can buy in the pursuit of truly accurate musical recordings. The Gold Reference Series employ our own design of large capsules (1.25 inch overall, 1 inch diaphragm diameter) which are executed to precise tolerances made possible by modern micro-milling machinery available today in California. The capsule rings and back-plates are milled from solid brass. The gold diaphragm film comes from Germany and is tensioned using proprietary techniques by David Josephson ensuring capsule-to-capsule constancy, combined with the speed, "air", and superb ultra-high frequency response you have only dreamt about.

The all-tube electronics in the MANLEY REFERENCE SERIES MICROPHONES are built around two triodes in cascade forming an entire gain-block. We have recently switched to a dual-triode 12AX7WA, easily obtainable and replaceable, mounted in a ceramic socket. The output is coupled through a MANLEY output transformer of unparalleled quality and substantial physical size employing nickel laminations with "hum bucking" bi-filar windings, encased in mu-metal. The polar pattern control is continuously variable between the OMNI, CARDIOID, and FIGURE 8 positions vastly increasing this mic's versatility. The Gold Mics make it possible to exactly tailor the proximity effect to achieve the desired character. We have chosen a very open weave stainless-steel grille for the capsule window which allows all the highs to reach the capsule unimpaird letting the engineer choose if, when, and how much pop screen is appropriate. As a result, the Reference Gold reaches to the furthest extremes of highs and lows with gorgeous natural acoustic smoothness. Some engineers tell us it sometimes "hears" more than they do!

The base of the microphone holds a locking 3 pin gold XLR connector for the audio signal output to allow you to use whatever audio cable you prefer— as exotic as you wish. A detachable threaded 4-pin connector for the 30 foot power supply cable carries the stringently filtered B+ and regulated heater voltages from the separate dedicated power supply. The microphone body is machined from brass providing excellent shielding properties, polished to a high lustre, then plated with 24 karat gold for an impressive finish, inspiring confidence in artists and producers.

Our precision suspension system is provided with each REFERENCE MICROPHONE (the capsule itself is mounted onto a neoprene-rubber shock-mount.) Because the entire working "guts" of the microphone may be removed for service in one piece from the housing, it is envisioned that the microphone need not be removed from the suspension. We also provide a very useful swivel of our own design with every REFERENCE MICROPHONE; its T-bar handle and locking clutch action require no tools to adjust. And no MANLEY microphone would be complete without a genuine leather capsule protector with soft velour lining which slips (and ties) onto the end of the microphone to protect the capsule when not in use.

Each REFERENCE MICROPHONE is packaged complete in a strong locking carrying-case.

MANLEY REFERENCE GOLD MICROPHONE



LANGEVIN CR-2001



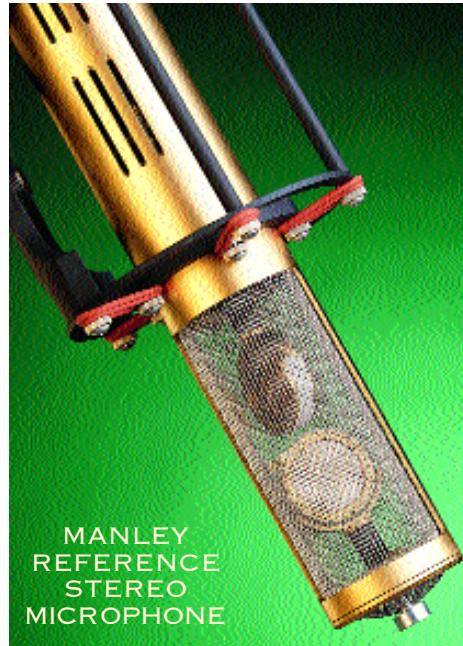
The LANGEVIN CR-2001 is our entry model cardioid capacitor microphone, very handy for recording just about anything.

The capsule is the same as his bigger brother, the Manley Reference Cardioid, but the CR-2001 runs off standard 48 volt phantom power having an all-discrete amplifier circuit employing very low noise transistors and selected FET's instead of tubes. (Well, this is a less expensive mic!) In that spirit, the metal parts are sourced overseas to keep the cost down for ya' ll but all assembly, detailed soldering, and most importantly, attentive quality control processes are performed at our USA factory right alongside the Manley mics.

Two switches provide for -10dB pad attenuation and bass roll-off (high pass filter). The CR-2001 comes complete and ready to record with its sturdy shock mount and custom carrying case.

Langevin CR-2001 Specifications:

- Polar Pattern: Cardioid
- Difference: 0° and 180° : >12dB @ 300Hz-3KHz
- Frequency Range: 40Hz - 16KHz
- Source Impedance: 200 ohm ± 20% (1KHz)
- Min Load Impedance: 1 Kohm
- Max SPL for 0.5% THD : 122dB 25pa @ 1KHz
- with -10dB PAD: 132dB 79pa @ 1KHz
- High Pass Filter: 6dB per octave @ 100Hz
- S/N ratio Ref. level 1 pa: 67dB
- Maximum Output: 300mV
- Power Supply (DIN 45596): 48V ± 4V (Phantom)
- Current Consumption: 2mA
- Weight: 18 oz.
- Dimensions: 2" x 8"
- Shipping Weight: 3 lbs.

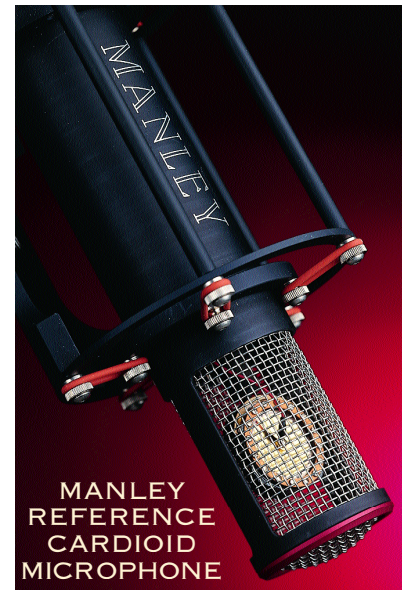


MANLEY REFERENCE STEREO MICROPHONE

- ALL-TUBE triode design
- -10dB switchable PAD
- Frequency response: 10Hz-30KHz
- Sensitivity: 17mV/Pa
- Noise: typically -120dB EIN
- Max SPL: 150dB
- Weight: 2.25 lbs.
- Selected matched pairs available
- Custom transformerless internal preamp version also available to order

The STEREO version of our GOLD REFERENCE microphone is identical in every respect to the MONO GOLD REFERENCE but with two complete and carefully matched systems installed in one case with the upper capsule being fixed and the lower capsule being continuously ROTATABLE through 90° for M-S and X-Y BLUMLEIN-STYLE coincident pair recording techniques. Each capsule has its own continuously variable PATTERN control and individual -10dB PAD switch.

The Reference Cardioid Microphone shares the same electronic attributes as the Gold Reference Series, but has a center-fixed cardioid-only capsule with a thicker gauge (6 micron) gold sputtered diaphragm. With the similar film thickness and construction, similar high frequency resonance (a little edge), similar proximity effect and pretty good immunity from pops and sibilance problems, our Reference Cardioid more closely recalls how many of the vintage European tube mics such as the beloved U47 sounded like when they were new. Its rich tonal balance and liquid character is consistently admired for instruments such as guitars, drum overheads, saxophone, and especially vocals. With your present mic, if you find yourself leaning on your compressors and boosting 5 or 10K to score a bit more testosterone, then the Reference Cardioid just might be the mic you're looking for to cure what ails ya. If you seem to be constantly boosting 12-18K and trying to get a clean, intimate sound, then probably the Reference Gold would be the safest bet.



MANLEY REFERENCE CARDIOID MICROPHONE