

# L47MP MARK II TUBE MICROPHONE

Relive the Magic™



L47MP Shown in Satin Nickel Finish

Relive the magic with our most popular microphone model--the L47MP Mk II.

The Lawson tradition of recreating the classic microphones of yesteryear started with the L47. Like the original L47MP, the L47MP Mk II features the Lawson reproduction of the M7 capsule used in the legendary U47 and M49 microphones.

**The L47 Capsule.** The capsule is the heart of a condenser microphone. The integrity of the capsule, more than any other element, determines the microphone's character and quality as a transducer. The L47 one-inch capsule (Figure 1) was designed by Gene Lawson and is manufactured in the Lawson state-of-the-art machine shop. It is precision machined from solid brass, then hand-lapped in the Lawson lab to meet specific tolerances that insure consistent performance from mic to mic. Whereas the M7 capsule employed 7-micron diaphragms, the L47 capsule employs 3-micron diaphragms that are vapor deposited with 24 karat gold. This deviation from the original M7 design extends the L47's high frequency performance; insures faster response to transients; and translates into open, transparent reproduction of vocals, instruments, and sound effects. The capsule is shock mounted within the microphone housing, providing superior isolation from vibration and eliminating the need for external shock mounting systems.

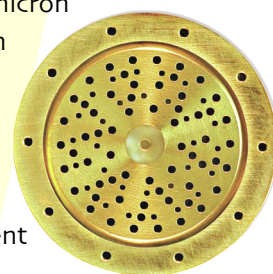


Figure 1. Intricate Hole Pattern in L47 Capsule Backplate

**Quick Change™ Capsule.** The L47MP Mk II features the Lawson Quick Change™ capsule system that is easily removable and may be plugged into all other Lawson mics, including our popular L251 tube mic and all FET models.

**Versatility.** The L47MPII (multi-pattern) puts a virtual grab bag of sonic characteristics at your fingertips. The L47MPII features both a multi-pattern and a 3 dB hotter cardioid-only mode. A cool blue LED glows inside the windscreen when the multi-pattern mode is selected.

The L47MPII omni, cardioid, and figure 8 frequency responses are illustrated in Figure 2 (see reverse). The surprisingly wide variations exhibited by these three major responses are uniquely characteristic of the M7 capsule. The most prominent variation of 8 dB occurs in the 4 to 5 kHz range between omni and figure 8. A powerful feature of the L47MPII is the ability to select from an infinite number of intermediate patterns using the pattern control located on the power supply. Once the mic is critically placed, you won't have to disturb the mic's position to readjust the pattern control. The L47MPII pattern control (Figure 3) is adjusted in the same way you adjust a volume control--smoothly and

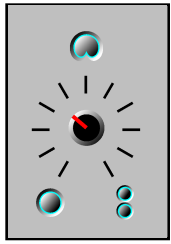


Figure 3. L47MP II Pattern Control

without the limitations of preset switch positions. To illustrate the usefulness of this feature, Figure 4 shows a response overlay of two intermediate patterns--wide cardioid (10 o'clock on the dial) and hyper cardioid (1 o'clock on the dial). A comparison of these two responses shows a variation of approximately 4 dB occurring in the 4 to 5 kHz region, an area where the human ear just happens to be most sensitive. With the L47MP pattern control, you can adjust anywhere between these or other intermediate patterns, fine tuning the L47MP for a specific vocalist or instrument. It's just like using equalization! Some engineers even bring the supply into the control room and adjust the pattern during a performance.

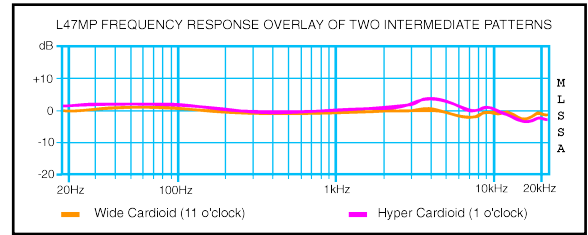


Figure 4

**Cardioid Only Position.** A cardioid only position, actuated by a switch in the base of the microphone, increases sensitivity by 3 dB and lowers the noise floor of the microphone by the same amount. When the cardioid only position is selected, the multi-pattern control on the power supply is disabled and the blue LED inside the windscreen is off.

**Vacuum Tube.** For a warm, classic sound, the L47MP utilizes the 6n1P vacuum tube (the same tube used in our award-winning L251). Each tube is stringently tested and individually selected to meet low-noise guidelines. To further insure highest performance and stability, an innovative, low-loss tube socket is utilized employing military grade, heavily gold-plated beryllium copper contacts, resulting in unparalleled grip, low contact resistance, low noise and long life. The 6n1P vacuum tube is coupled through a polypropylene fast capacitor and a custom Lundahl transformer.

### L47MP Specifications Summary

<b>Frequency Range</b>	20 to 20,000 Hz
<b>Polar Patterns</b>	Cardioid, omni-directional, figure 8, and infinite intermediate patterns; also cardioid-only position
<b>Sensitivity at 1 kHz</b>	11.4 mV @ 1 Pascal (94 dB SPL) 18.2mV (cardioid-only mode)
<b>Max SPL (1 kHz 3%)</b>	128 dB (138 db SPL with -10 dB pad)
<b>Equivalent Noise Level</b>	22 dBA multi-pattern 19 dBA cardioid-only mode
<b>Rated Impedance</b>	150 ohms
<b>Tube</b>	6n1P dual triode
<b>Connector</b>	7-pin gold-plated XLR
<b>Pad</b>	-10 dB
<b>Dimensions</b>	Mic: 9.75"L, 2.375"D Supply: 8"L X 4.375"W X 2.625"H
<b>Shipping Weight</b>	14 lbs.
<b>Power Supply</b>	100/120/200/220/240 VAC factory set

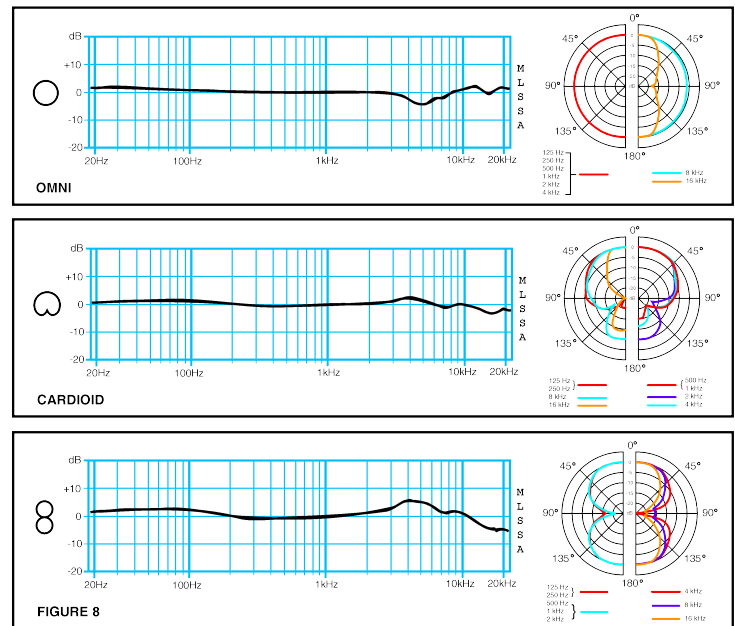
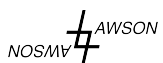


Figure 2

**L47MP Mk II Features:** Cardioid, omni, figure 8 and any polar pattern in between • 3 dB Hotter Cardioid Only Position • 6n1P vacuum tube (individually tested and selected for low noise) • Internally shock-mounted capsule • One-inch 3-micron 24 karat gold vacuum deposited diaphragms • -10 dB pad (switched from power supply) • Low Frequency Contour Switch • Electronically filtered and fully regulated power supply • Trademark Gold or Satin Nickel Finish

**Accessories Included:** 30-foot cable with gold-plated Neutrik™ connectors • Shock-proof carrying case • Swivel mic holder • Power cord

**Factory Direct Price:** \$2,195.00



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