



## Studio & Stage Microphones

**The Josephson Engineering C42** is an all-purpose cardioid condenser microphone suitable for multiple recording applications including spot miking acoustic and amplified instruments, drums and drum overheads, ensemble and choir pickups, concert recording, sound effects and vocals. Standard C42 microphones are satin machined stainless steel for years of rugged use.

**C42** electronics feature a selected discrete FET driving a fully balanced symmetrical transformerless discrete class-A output stage. The output impedance is low enough that very long cable runs may be used without signal degradation. Although the microphone is specified for full P48 phantom power, it will function with phantom power as low as 24 volts, with some limitation in maximum SPL.

A stereo kit, the **C42MP**, includes a matched pair of C42 microphones in matte black chrome finish and a protective hard shell case. A special high sound pressure level version with attenuated output, the **C42H**, is also available.

### Specifications

	<b>C42</b>	<b>C42H</b>
Output Level, mV/Pa	8.5	0.85
Frequency Response (at 60 cm)	40-20,000 Hz $\pm 2$ dB from curve	
Equivalent Noise Level, A-weighted	$\leq 21$ dB	$\leq 40$ dB
Maximum SPL (with P48 power)	135 dB	155 dB
Output Impedance	50 $\Omega$ (recommended load $\geq 1K\Omega$ )	
Power Requirements	P48 phantom power, 4.5 mA	
Temperature Range	-10 to +50°C	
Dimensions	21mm diameter, 98mm long	
Weight	80 grams (< 3 ounces)	
Connector	3 pin XLR type, pin 2 positive polarity	

