



C716 Studio Microphone

Series Seven microphones provide unprecedented flexibility in studio pickups with a variety of directional patterns. The **C716** dual-diaphragm capsule is optimized for cardioid, and is ideal for vocal pickups and instrumentals where a warm, natural sound is needed with minimum acoustic coloration. Off-axis response is particularly smooth, yielding excellent results in a variety of acoustic environments.

The **C716** features a cardioid version of the large dual-diaphragm capsule used in Josephson's C700 series, with a 5 micron evaporated gold diaphragm. The head grille uses Josephson's patent-pending hard metal foam structure welded to the housing tube, instead of wire mesh or perforated metal. No other structure is needed, so internal reflections are randomized for clean, detailed sound pickup. The entire housing, circuit board, capsule and all its internal parts are made by Josephson in the USA. The microphone features a hard matte black chrome finish for durability in studio use.

The internal circuitry uses a class-A FET front end with active balanced transformerless output using discrete large-geometry devices like those in the Josephson C700 and C617. The internal high voltage linear supply generates capsule polarization voltage without using any digital devices or oscillators, for very low noise.

The capsule assembly in the **C716** is internally shock mounted so that the mic may be attached directly to a stand through its rugged yoke mount, without using any external accessories.

Specifications

Pressure-gradient condenser microphone transducer
Cardioid directional pattern
Frequency range 20-20,000 Hz
Sensitivity -32 dB ref 1V/Pa (26 mV/Pa)
Equivalent noise level <15 dB SPL, A weighted rms
Overload sound level 136 dB SPL
Power supply P48 phantom, 5 mA
Diameter 63 mm (100 mm wide at yoke), length 261 mm
Weight 1.2 kg
Output connector 3-pin XLR
Made in USA

