

KEL*Sonic alternatives for recording musicians*

Here's your KEL Audio HM-2D

The HM-2D

Introducing the KEL HM-2D

Thanks for buying a KEL HM-2D. The HM-2D is the only large diaphragm condenser microphone voiced to sound smooth, fat and punchy like a quality large diaphragm dynamic microphone.

You will be pleased with the results when recording rock and roots vocals, piano, electric guitar amps, woodwinds, horns, drums, and higher-strung stringed instruments such as banjos, dulcimers, mandolins and bouzoukis. The HM-2D has a small supercardioid pattern with a small lobe at 180-degrees and it's deepest null at about 135-degrees off-axis. The HM-2D has a flat natural midrange from 50 Hz to 12kHz with roll offs beyond either extreme. The result is a fat smooth sonic signature on anything you record with it. Vocals are "right there" without any harsh sibilance of any kind. Guitar amps are throaty and smooth, while drums are fat and punchy. When rolled a few degrees off-axis, the HM-2D takes on ribbon-like tones. For an interesting effect, try positioning the mic and sound source a few feet from a diffusor or even a shelf of books, then address the mic a few degrees off-axis with the front of the mic pointing toward the diffusor. The result will be warm direct sound, surrounded by brighter ambience for an unusual multi-dimensional sound.

Use

Connect the HM-2D to your mixer or mic pre-amplifier using a standard "XLR" type cable. Turn on the pre-amp or mixer, ensuring that the gain is set to minimum. Turn on the phantom power switch while the gain is set to zero in order to avoid loud spikes from damaging your speakers, or hearing. Slowly adjust the pre-amp gain until an adequate level is reached. Adjust the position of the microphone (preferred) or use an equalizer to achieve the desired tonality.

Safety

The capsule is sensitive to temperature and humidity. Avoid operating the microphone in high-humidity environments. Never operate electrical equipment in or near water, or in damp environments. Always ensure that any electrical equipment you connect to the microphone is properly grounded. Never attempt to bypass grounded outlets or use ground lift devices. Serious injury or death may result. Take care to ensure that your microphone is firmly attached to its shock mount, or swivel mount, and that the mount is firmly connected to a solid microphone stand before use. The HM-2D is sturdy, however a drop from a mic stand to a hard floor could damage it and render it inoperable.

Warranty

The KEL HM-2D microphone is guaranteed against defects in materials or workmanship for one year from the date of purchase. Should a problem be encountered with the microphone, KEL Audio Inc., at its discretion, will either repair or replace the defective unit. Customer is responsible for all costs associated with shipping microphones to KEL Audio for repair. (Note: this warranty does not apply to damage to the exterior finish, or damage caused by misuse or abuse of the microphone. KEL Audio Inc. disclaims all liability of incidental, special or consequential damages arising from the use or inoperability of this product.)

Element: 1-inch externally biased condenser

Polar Pattern: "Small Supercardioid"

Frequency Response: 30Hz-16kHz

Sensitivity: -35dB±2dB (0dB=1V/Pa)

Self Noise: ?14dB A

Impedance: 200 ohms

Max. Input SPL: 135dB (at 1kohm)

S/N Ratio: 80 dB(A)

Output Impedance: 200?

Phantom Power Requirement: 48V

