



High performance microphones Professional Series

KR-2W $\frac{1}{2}$ Inch Wide Cardioid

This capsules' sub-cardioid pattern, combined with a soft, low-cut shelf, pulls instruments forward even from far away; however, there is still generous ambience in the signal.

The design eliminates the proximity-effect inherent in most standard cardioids and gives a true smooth low-frequency curve in any application.

The KR-2W is a great wood and string-section mic that works well in the studio or in a great concert hall.

It is directional, but still picks up ambience and overtones. It is able to work close in or high above and still be true.

All this is combined with a modular design, fine 24K gold plated finishing and a cedar box, resulting in a very interesting product for any professional recording.

As always, we suggest regular use of a good shock-mount for the microphone body, creating immunity to floor vibrations and other noisome rumble and interference.

The KR-2W units are also available as matched pairs for stereo recordings.



NOTE: All capsules are shown mounted over the KA-04 Preamp.

THE
Art of Sound

Technical Specifications

KR-2W 1/2" Wide Cardioid Capsule Specifications

Directional pattern
Operation principle (transducer)
Sensitivity
Frequency response range
Equivalent SPL rated at CCIR 468-3
At DIN / IEC 651
S/N ratio rated at DIN / IEC at 1 Pa.
Max SPL for 0.5% THD
Head Size

Sub-Cardioid (wide)
pressure Gradient
12 mV/Pa
50 - 20,000 Hz
25 dB
13 dB-A
81 dB-A
135 dB SPL
Ø 20,5 x 28 mm

KA-04 High Performance Preamp Electronics

This is a true "state-of-THE-art" patented design and is generations ahead of most pre-amp assemblies. Construction utilizes hand-selected and matched components, low-noise metal film resistors and low-loss polyester capacitors with no electrolytics in the audio path yielding amazingly low THD, low IMD and outstanding Dynamic Range. The electronics and actual PCB design include "Guard Ring Shielding", ensuring extremely low input load, high stability, low noise and a symmetrical transformerless High Capability Class "A" Output as well as Low dynamic Output Impedance.

This pre-amp body offers a true dynamic range from 1 µV to up to 18 Vpp into 10 K ohms 1 µV (input referred 20 to 20.000 Hz BW, RMS noise). This allows a lower input gain, reducing input noise, which makes the Ka'04 preamps, the perfect match for even the most discerning 24 bit digital microphone preamplifiers. The low noise and high gain will simply amaze you, pulling the MOST from your existing recording chain, whether analog or digital.

The assembly is made with THE finest materials, using Teflon, Delrin and 24K gold plating where needed. Each one is rigorously tested through multiple Functional, Burn-in and Quality checks, before leaving our factory.

Ka-04 PreAmp. Specifications

Powering (Phantom)
Power Consumption
Input Impedance
Input Capacitance
Frequency Response
Output Impedance (5 Hz to 30 Khz)
Equivalent Input Noise
Capsule Polarizing Voltage
Maximum Output Drive (differential)
Maximum Dynamic Range
Diameter
Length
Weight

48 Vdc (4)
2.5 mA
500 Mohms
< 1 pF (3)
5 Hz to 30 Khz +/- 0.5 dB
< 80 Ohms
< 2 µV RMS (2)
+ 40 Vdc
18 Vpp (1)
> 132 dB (1)
20.5 mm
95 mm
85 gr.

All THE specifications are subject to change or improvements without notice.

(1) Z. Load = 10 Kohms, resistive.
(2) B.W. = 20Hz - 20 Khz & Zin = 50 pF
(3) Internal & External Active Guard Ring.
(4) According to DIN45596 & IEC 815.

THE Professional Studio Series



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