



## 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 large concert hall.

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

All this is combined with a modular design, fine 24K gold plated finishing, resulting in a sensitive and expressive 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 mechanical 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  $\mu$ V to up to 18 Vpp into 10 K ohms 1  $\mu$ V (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  $\mu$ V 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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