



### S502MKII Features

- 1/2" 3-micron gold-evaporated diaphragm
- ORTF fixed capsule arrangement
- Matched cardioid capsules
- Sturdy metal body
- Balanced output
- Excellent stereo imaging
- Shock mount, windscreens, stereo cable & carrying case included

The Superlux S502MKII Stereo microphone combines a pair of matched premium cardioid capsules in an ORTF arrangement. The ORTF stereo technique uses two first order cardioid microphones with a spacing of 17 cm between the microphone diaphragms, and with a 110° angle between the capsules. This technique is well suited for reproducing stereo cues that are similar to those that are used by the human ear to perceive directional information in the horizontal plane. The spacing of the microphones emulates the distance between the human ears, and the angle between the two directional microphones emulates the shadow effect of the human head.

The S502MKII features specialized diaphragm technology and low-noise pre-amp circuits that provide better directivity, a lower S/N ratio and improved total harmonic distortion. The S502MKII features a specialized diaphragm technology that provides better directivity, a lower S/N ratio and improved total harmonic distortion. It has better sound detail, depth and realism with a flatter frequency response and improved high frequency response.

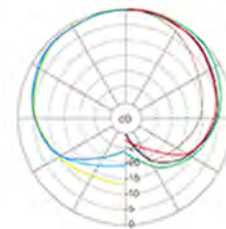
The S502MKII is ideal for a very wide range of stereo recording applications, producing an evenly-spread stereo image with good localization, depth and detailed sound texture. Its flat and wide frequency response and straightforward design provides both experienced and beginning engineers a convenient studio-grade stereo recording or sound reinforcement solution.

### SPECIFICATIONS

Elements	Two true condenser 1/2" matched capsules
Polar Pattern	Cardioid
Frequency response	40–20,000 Hz
Sensitivity	-37dBV/Pa (15.8mV)
Equivalent Noise	15dB (A weighted IEC/DIN651)
Dynamic Range	117dB
Signal/Noise	79dB
Impedance	200 Ohms (min. load impedance 1k Ohms)
Max SPL	134dB (THD ≤ 1% 1kHz)
Connector & Accessories	Integral gold plated 5 pin Male XLR Windscreens & shock mount included
Pin Configuration	Pin 2/3 CH1, pin 4/5 CH2, pin 1 ground, pin 2/4 hot
Included Cable	5-pin XLR to two 3-pin XLRM
Phantom Power	48V, 4.5mA
Finish	Metal, black painted
Weight	8.6 oz.



Typical Polar Pattern



Frequency Response

