

S502MKII

ORTF STEREO 1/2"
TRUE CONDENSER MICROPHONE



CONTACT

Marketing and sales

Goang-Fann Co., Ltd.

+886-2-26931323

sales@superlux.com.tw

support@superlux.com.tw

Manufacturing & logistics

Superlux Enterprise

Development (Shanghai) Co., Ltd.

English

Superlux®

DESCRIPTION

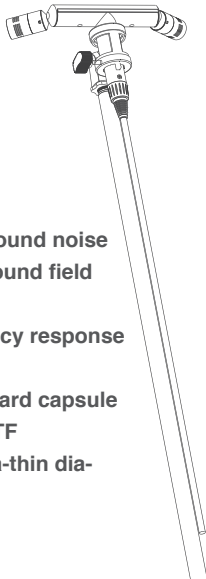
ORTF is the most popular stereo recording technology now.

The Superlux S502 ORTF recording microphone has earned an outstanding reputation in the professional audio industry because of the good stereo recording quality and performance compared to its affordable price. S502 is the hot-selling product. Building on this success, Superlux is pleased to announce a new improved version, the S502MKII. The S502MKII features specialized diaphragm technology that can capture more detailed sound and enhance the extension of the high frequency with lower S/N ratio.

Compared to the original S502, the new S502MKII delivers a flatter frequency response with a crystal-clear, natural sound quality that captures a wide stereo field. S502MKII provides better directivity and lower S/N ratio.

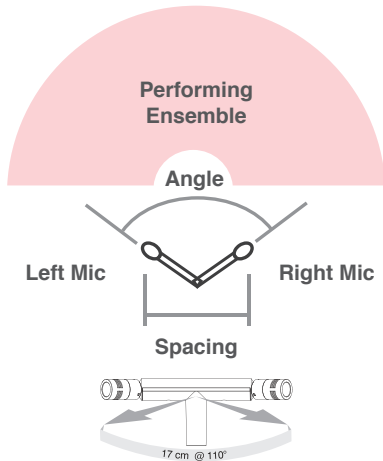
FEATURES

- **Extra-low background noise**
- **Best for stereo sound field recording**
- **Excellent frequency response**
- **Balanced output**
- **ORTF fixed standard capsule arrangement ORTF**
- **1/2" OD 3 μ m ultra-thin diaphragm capsule**



ORTF RECORDING TECHNOLOGY

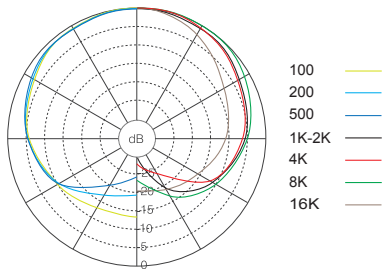
ORTF is brief from “Office de Radiodiffusion Télévision Française” in French. This standard was established for stereo broadcasting that brings optimal stereo performance to most audio systems. ORTF is established by 2 cardioid capsules arranged with 110° open angle and 17 cm space away. The benefits of ORTF bring more spacious sound than coincident XY technique, yet avoid “hole in the center” problem of spaced AB technique which exhibits very good spacious sound. ORTF technique balanced excellent stereo positioning and spacious sound that please the most of the audience than AB or XY/MS stereo technique. ORTF is a technique that can be easily handled by beginners or video production crews with a fix ORTF stereo microphone such as S502MKII or a pair of S241 to get the best stereo recording effect.



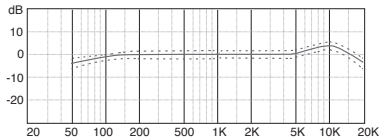
※Superlux S502MKII is an ORTF stereo recording microphone with one-piece mic body design, which makes you finished ORTF stereo recording easily. You can also use a pair of S241 or CMH8K with dual microphone adapter (HM15 or MA90) to establish ORTF stereo recording.

ORTF STEREO SKILL

- When recording with ORTF microphone, keep the microphone at least 1 meter away from the ensemble.
- Adjust the microphone position so that the room space could be heard, while excellent direct sound is maintained.
- Keep the most of the ensembles/orchestra within 90° coverage.
- Keep the microphone high enough that each instrument/artist has an un-block direct path to the microphone.
- Set the PAN control to extreme Left and Right. Do not pan the signal in between L and R.
- Choose a high quality recorder, or mixer.
- Adjust the nominal recording level at about -18dBfs for classical music without compressor/limiter, while keep the peak at about -3dBfs to -6dBfs.
- Always use a shock mount.



S502MKII FREQUENCY RESPONSE
(Cardioid)



SPECIFICATIONS

Types	True condenser, Ø1/2" (Ø12.7mm) matched pair	
Polar Pattern	Cardioid	
Frequency Response	40Hz - 20kHz	
Sensitivity	-37 dBV/ pa (15.8 mV)	
Output Impedance	200 Ω	
Min. Load Impedance	1,000 Ω	
S/N Ratio	79 dB	
Equivalent Output Noise	15 dB (A-weighted, IEC/DIN651)	
Max. SPL	134 dB (THD ≤ 1%1000Hz)	
Dynamic Range	117 dB	
Power Requirements	48V DC, 4.5 mA	
Finish	Black	
Connector	XLR5M	
Pin	Left channel pin 2/3; Right channel pin 4/5; pin 2/4 connect to “+” signal; pin 1 connect to shield and ground	
Dimensions	Capsule: Ø20mm (Ø.79") , Width 184.5mm, High 66.8mm (Width 7.26" , High 2.63")	
Net Weight	245g (8.6 oz)	

※Notice: Specifications are subject to change without notice

FURNISHED ACCESSORIES

HM30 | Shock Mount

S20 | Instrument Microphone Foam

FM0.6AMM | Microphone Cable

(0.6M/5-pin XLR-3M ~ 2 x XLR-3M cable)



FM0.6AMM



S20

HM30

OPTIONAL ACCESSORIES

FM10AMM | Microphone Cable

FM20AMM | Microphone Cable

FM30AMM | Microphone Cable

KNOWING YOUR MICROPHONE

Type of transducer



Condenser

With an extremely light weight diaphragm, it is very sensitive to sound. Very small versions are available for hidden applications. High performance condenser microphones are regarded as standard equipment in recording studios for extreme detail capturing. They operate with phantom or battery power.

Type of directivity



Cardioid

It picks up most signal on axis, rejects side noise, and picks up least to the back. It is suitable for live sound reinforcement. With its apparent proximity effect, most singers like to take advantage of the bass boost but cardioid mics are not good for speech.



WARNING! INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH IF MISHANDLED COULD RESULT IN DEATH OR SERIOUS PERSONAL INJURY OR PROPERTY DAMAGE.

- ※Do not expose the unit to rain or an environment where it may be splashed by water or other liquids as doing so may result in fire or electric shock.
- ※Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
- ※Do not subject to extreme force and do not pull on the cable, it might cause the product failures.
- ※Keep this product and the equipment which used together dry and avoid to exposure to extreme high temperature and humidity.

LIMITED WARRANTY

For compliance with the instructions which record in the user manual, Superlux Enterprise provide one year period warranty for all material and producing quality from purchase date. This warranty term will adjust according to different country or area. Please contact local distributor to receive more information. In the validity period, if there's any material, producing quality, or any function unavailable, Superlux will repair or replace the parts. This warranty is only for the product which selling by distributor or agent which authorized by Superlux. However, the situation below is excluded in the warranty :

The damage which caused by accident, abuse, improper instructions, self-modification and repair, or damage from transportation, not complying with the instructions which record in the manual, repair by the company which didn't authorized by Superlux Enterprise, request by distributor without authorized, or the serial number sticker on Superlux product is unidentified, modified, or removed. All repair of Superlux products can only accept from repair centre, distributor or agent which authorized by Superlux. Unauthorized repair, maintenance and modification will not receive relevant warranty and will be excluded in the warranty. Any repair guarantee under warranty need to provide selling receipt from authorized distributor or agent to make sure your Superlux product still in the warranty period. To obtain the original authorized repair warranty, please contact authorized distributor, agent or send an e-mail to support@superlux.com.tw to contact us.