

# ***Superlux®***

## **S125** **1/2" TRUE CONDENSER** **VOCAL MICROPHONE**

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# S125

## 1/2" TRUE CONDENSER VOCAL MICROPHONE

### DESCRIPTION

The S125 true condenser vocal microphone brings studio grade, precision 1/2" condenser capsule to the live stage for the demanding professionals. Successful artist, celebrities sing with true condenser in the recording studios, and sing with dynamic mics on the live stages. One of the consideration is durability. The studio condenser cannot withstand the mechanical challenges as those dynamics which can easily handle.

Now this is no more a consideration for those who want a studio grade true condenser microphone when Superlux S125 is ready for all challenges.

Superlux S125's wide and flat frequency response is the same as studio condenser, because it is a studio grade microphone as well. It provides very fine detail resolution, that brings out every details the artist performed. With switchable -10 dB pad, the S125 can also handle high SPL sound sources. Switchable 3rd order low cut filter cut out those un-wanted stage noises for clean sound even in noisy environment.

The triple layers wind screen drop down blowing noises to the minimum when S125 facing up-close settings.

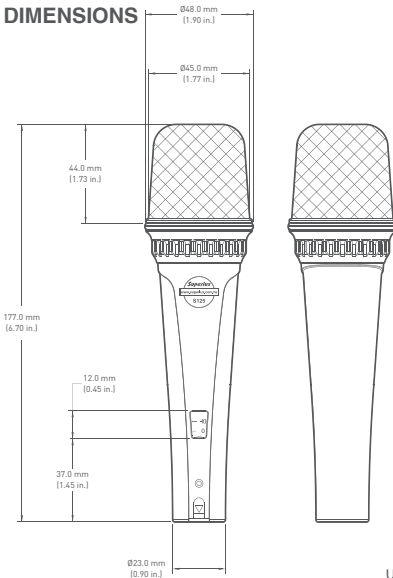
Not only a professional choice for vocal miking, S125 is also a professional choice for instrument miking from strings, winds, to percussions.

Gold plated contacts between capsule and electronics provides stable performance, yet the convenience the disassemble the capsule without a tool. Die-cast casing and steel strengthen processed grill wind screen results sturdy structure, and extreme low handling noise. All these efforts built up this perfect (almost) microphone for all performing art professionals.

### FEATURES

- Wide and flat frequency response
- -10 dB pad switch
- 3<sup>rd</sup> 150Hz low cut filter, switchable
- Rubber cover preventing accidental setting change
- Shock proof capsule, very low handling noise
- Conductive shielding, low noise and RF interference immunities
- Sturdy zinc alloy shaft and steel strengthen grill wind-screen

## DIMENSIONS



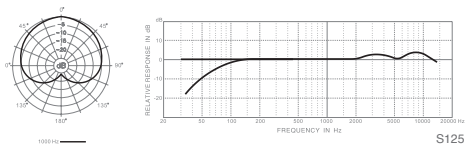
Unit:mm / in.

## SPECIFICATIONS

Type	True condenser, Ø1/2" (Ø12.7mm)
Polar Pattern	Cardioid
Frequency Response	20-20,000Hz
Low Frequency Filter	150Hz (18 dB/oct)
Pad	-10 dB
Sensitivity	-45 dBV/Pa (5.6 mV/Pa)
Output Impedance	250 Ω
Min. Load Impedance	1,000 Ω
S/N Ratio	76 dB
Equivalent Output Noise	18 dB
Max. SPL	148 dB SPL
Dynamic Range	130 dB
Power Requirements	48V DC, 3.5 mA
Finish	Titanium grey
Connector	XLR3M
Dimensions	Ø48×180mm (Ø1.89"×7.09")
Net Weight	350g (12.3 oz)

\*Note:Specifications are subject to change.

## S125 FREQUENCY RESPONSE (CARDIOID)



## USING A HANDHELD MICROPHONE

For best signal to noise ratio, distance from the handheld microphone to the sound source shall be as short as possible.

For higher gain before feedback and lowest background noise, the microphone shall be pointed directly to the sound source. (refer to the illustration below) The sensitivity of a super cardioid microphone is highest on axis and lowest at 120 to 135 degrees.

To avoid interference between multiple microphones, each sound source shall be picked-up by one microphone, use as less microphones as possible in one space, or turn-on as less microphones as possible at the same time.

To reduce crosstalk between microphones, an 1:3 guide line shall be follow: The distance between microphone A to the sound source A is "1", the distance between any other microphone to the sound source A shall be more than 3 times.

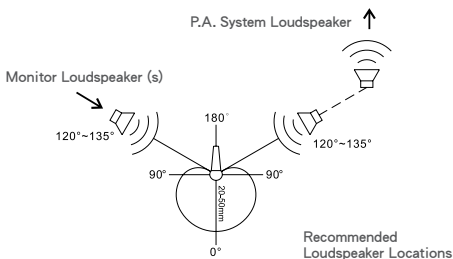
When the (super) cardioid microphone get closer to the sound source, the low frequency response is boosted, as so call "proximity effect". Experience singer takes advantages of the proximity effect to improve the richness of his/her voice or to increase the bass of the instrument as if an extremely high quality equalizer is used. Same idea to reduce the bass by increase the distance to reduce the bass when needed.

Reflecting surface affect sound as well. Beware of these surfaces such as wall, table, or floor. Place the microphone away from the hard surfaces or directly contact these surfaces to form a pressure zone microphone.

When using the microphone outdoor or in windy environment, additional foam wind screen helps to reduce wind noise.

Keep grill pop screen clean to avoid degrading the sound quality.

Do not expose the microphone at high humidity/temperature environment to avoid damage.



## KNOWING YOUR MICROPHONE

### Type of transducer



#### Condenser

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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

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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.

## SUPPLIED ACCESSORIES



Pouch



HM38S Mic Clip



YA2 Thread Adapter

## OPTIMAL ACCESSORIES



S40 Windscreen



HM6 Table Stand



PS2A Power Supply



MS104 Instrument Boom Stand

# Superlux®

## 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](mailto:support@superlux.com.tw) to contact us.



**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.