



SE Electronics X1 A Condenser Microphone User Manual

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SE Electronics X1 A Condenser Microphone



Thank you

We would like to thank you cordially for choosing this sE microphone! This manual contains some important instructions for setting up and operating your new equipment. Please take a few minutes to read the instructions below carefully. We hope you will enjoy working with it as much as we enjoyed designing and building it for you.

Most Sincerely,

Your sE Team

Brief Description

- The X1 A is a high-quality condenser microphone intended for a wide range of studio applications, from vocals to drums to acoustic instruments and beyond. Thanks to its custom design and carefully selected capsule, it delivers pristine sound quality and an even, well-balanced frequency response.
- The electronics and the switchable attenuation pad ensure a high dynamic range, with high sound pressure level (SPL) handling capability and extremely low-noise components. The switchable low-cut filter eliminates rumble or footfall noise, and can also compensate for an excess of bass frequencies caused by the proximity effect. This enables the X1 A to close-mic many instruments including electric guitar speaker cabinets, brass instruments, and drums.
- Reliable operation even in demanding on-stage applications in difficult environments is ensured by the roadworthy all-metal design, robust construction, and high quality manufacturing standards.

What's in the box

Your packaging should contain the following items. If anything is missing, please contact your sE Electronics dealer and let them know.

- X1 A microphone
- microphone stand clip
- thread adapter

Controls

The X1 A features a switch for the attenuation pad and a switch for the low-cut filter.

- **Attenuation Switch**

The Attenuation Switch is located on the front-left side of the microphone. When switched on, the incoming signal is reduced by 20 dB for capturing loud instruments and/or close-miking without distortion. Using the switch also helps prevent overloading the input stage of recording interfaces, mixing desks, and microphone preamps.



- **Low-Cut Switch**

The Low-Cut Switch is located on the front-right side of the microphone. Wind noise, plosives, footfall noise, or rumble might affect the recorded signal, so enabling the switchable low-cut filter reduces such unwanted noise and prevents distortion. Additionally, the low-cut filter also minimizes the proximity effect when recording sound sources at a very short distance.



Powering

In order to ensure proper operation, the microphone requires a phantom power source providing 48 Volts according to IEC 61938.

Risk of damage

- Do not connect the microphone to any power supply other than a phantom power source (input with phantom

power or external IEC standard phantom power supply) with a floating connector, using a balanced cable with studio grade connectors to IEC 268-12 only. This is the only way to ensure safe and reliable operation.

Safety and maintenance

Risk of damage

- Please make sure that the piece of equipment to which your microphone will be connected fulfills the safety regulations enforced in your country and is fitted with a ground lead.

Cleaning the microphone

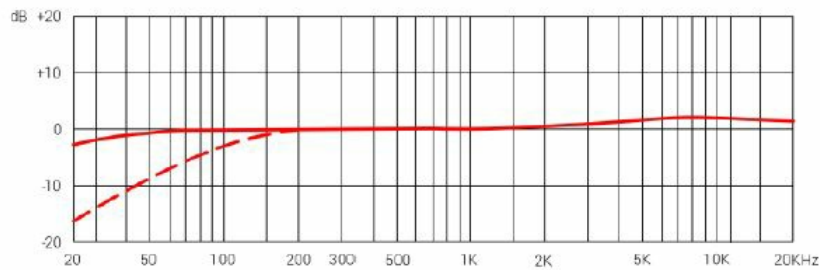
After every use, clean the microphone with a dry, soft cloth tissue and store it in a solid case or a zipper pouch.

Technical Specifications

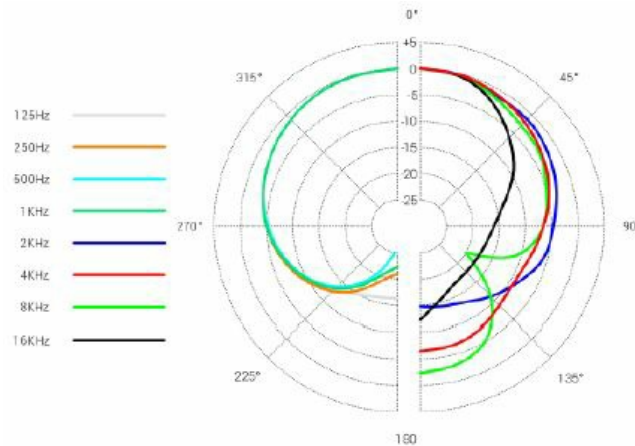
Capsule	2/3" condenser capsule
Polar patterns	Cardioid
Frequency range	20 – 20,000 Hz
Sensitivity	20 mV/Pa -34 DVB
Max. SPL (0.5% THD)	130 / 150 dB SPL (0/20 dB Attenuation pad)
Equivalent noise level	16 dB(A)
Dynamic range	114 / 134 dB (0/20 dB Attenuation pad)
Signal-to-noise ratio	78 dB(A)
Low cut filter	100 Hz, 6 dB/Oct, switchable

Attenuation pad	20 dB, switchable
Powering	48 Volts according to IEC 61938
Electrical Impedance	<50 Ohms
Recommended load impedance	>1k Ohms
Current consumption	4.0 mA
Connectivity	3-pin male XLR connector
Dimensions	Diameter: 58 mm (2.28 in.) Length 169 mm (6.65 in.)
Weight	390 g (13.8 oz.)

Frequency response



Polar Pattern



Support

- In case you are experiencing any problems or have any questions regarding your sE product, please contact your dealer first for the fastest and most direct service. If an authorized service is required, it will be arranged by that dealer: <http://www.seelectronics.com/dealers>
- If you still have difficulties with support or assistance, please do not hesitate to contact us directly: <http://www.seelectronics.com/contact-us>
- Lastly, remember to register your new gear to extend your warranty to a full three years: <http://www.seelectronics.com/registration>

Contact

Feel free to contact us:

sE Electronics International, Inc. PO Box 1049 6 Beach Road Tiburon CA 94920 USA

- www.seelectronics.com
- contact@seelectronics.com

Our international distributors and sales representatives: <http://www.seelectronics.com/contact-us>

This product conforms to the standards listed in the Declaration of Conformity. Please contact us if you want to order a free copy of the Declaration of Conformity. Technical data is subject to change without notice.

IMPORTANT WARRANTY REGISTRATION

Thank you for purchasing an sE product! You are automatically entitled to a two- year warranty, but can extend this to a full three years with registration. To register your new equipment and to read the full warranty details, please go here: <http://www.seelectronics.com/registration>

Most Sincerely, Your sE Team

FREQUENTLY ASKED QUESTIONS

What is the SE Electronics X1 A Condenser Microphone?

The SE Electronics X1 A is a condenser microphone known for its sound quality and versatility, designed for professional audio recording applications.

What distinguishes the X1 A microphone in its class?

The X1 A microphone is celebrated for its build quality, affordability, and its ability to capture audio with clarity and precision.

What type of microphone is the X1 A?

The SE Electronics X1 A is a condenser microphone, favored for its sensitivity and suitability for studio-quality recording.

What is the primary use of the X1 A microphone?

The X1 A is commonly used for studio recording, including vocals, acoustic instruments, voiceovers, and various sound sources where high-quality audio capture is desired.

Does the X1 A require phantom power?

Yes, the X1 A condenser microphone typically requires phantom power (usually +48V) for proper operation. Ensure your audio interface or mixer can provide this power.

What is the included polar pattern of the X1 A microphone?

The X1 A often features a cardioid polar pattern, which is ideal for capturing sound from the front while minimizing background noise.

What is the frequency response range of the X1 A?

The X1 A is designed to capture audio within a specific frequency response range 20Hz covering the essential sound spectrum.

Does the X1 A come with a shock mount or pop filter?

Some versions of the X1 A microphone may include a shock mount, but a pop filter is typically not included. These accessories can be added separately if needed.

Are there any included accessories with the X1 A microphone, such as a carrying case?

The package contents may vary, but some X1 A microphones come with a protective pouch or carrying case. Check the product listing for details.

Is the X1 A compatible with standard microphone stands and boom arms?

Yes, the X1 A typically features a standard microphone mount, making it compatible with most microphone stands and boom arms.

What is the warranty period for the X1 A microphone?

Warranty periods for the X1 A microphone may vary, but they often range from 1 year to several years.

Can I use the X1 A with recording software on my computer?

Yes, you can use the X1 A with recording software on your computer by connecting it to an appropriate audio interface or mixer.

Is the X1 A suitable for live performances?

While it's primarily designed for studio recording, some users may choose to use the X1 A for live performances, especially in controlled sound environments.

Are there any known compatibility issues with specific audio interfaces or recording software?

The X1 A is generally compatible with a wide range of audio interfaces and recording software, but it's advisable to check the product specifications and consult with the manufacturer for any specific compatibility concerns.

How should I care for and maintain the X1 A microphone?

Proper care includes protecting it from physical damage, keeping it clean, and storing it in a suitable carrying case when not in use. Refer to the user manual for detailed maintenance instructions.

Where can I purchase the SE Electronics X1 A Condenser Microphone?

You can typically purchase the SE Electronics X1 A Condenser Microphone from authorized audio equipment retailers, music stores, or reputable online marketplaces to ensure you receive a genuine product.

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