

# SE10x Earset Microphone

Omnidirectional Earset Microphone with Miniature Condenser Capsule



Owner's Manual

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***SAMSON***<sup>®</sup>



If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private household in the 28 member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For Countries not mentioned above, please contact your local authorities for a correct method of disposal.

By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

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## Introduction

Congratulations on your purchase of the Samson SE10x Earset Microphone. The SE10x is a low profile, miniature condenser Earset microphone with a 3mm capsule. With its omnidirectional pick up pattern, the SE10x delivers linear off-axis frequency response, resulting in a clear and articulate sound perfect for house-of-worship, presentation, theater and fitness applications. The microphone has been specially treated with a water resistant coating providing extra protection from sweat and other moisture. In addition, there is a moisture guard drip-ring to further protect the capsule and ensure reliable performance.

The SE10x Earset Microphone is well-suited for use with Samson wireless systems, and with four included adapter cables, the microphone can be used with most popular wireless systems. Other accessories included in the kit are a clothing collar clip, four windscreens and a carry case that holds the SE10x and all the accessories.

In the box, you'll find a registration card enclosed, don't forget to follow the instructions so that you can receive online technical support and so we can send you updated information about this and other Samson products in the future. We recommend you keep the following records for reference, as well as a copy of your sales receipt.

Serial number: \_\_\_\_\_ Date of purchase: \_\_\_\_\_

If you have any questions or comments regarding the SE10x Earset Microphone or any other products from Samson, do not hesitate to contact us at **[support@samsontech.com](mailto:support@samsontech.com)**.

With proper care and maintenance, your SE10x Earset Microphone will operate trouble-free for many years. Should your SE10x Earset Microphone ever require servicing, a Return Authorization (RA) number must be obtained before shipping your unit to Samson. Without this number, the unit will not be accepted. Please visit **[www.samsontech.com/ra](http://www.samsontech.com/ra)** for an RA number prior to shipping your unit. Please retain the original packing materials and, if possible, return the unit in its original carton. If your SE10x Earset Microphone was purchased outside of the United States, contact your local distributor for warranty details and service information.

## Connector Cables

The SE10x includes four cables with adapters for some of the most popular wireless microphone beltpack transmitters.



### **3.5mm Connector**

Works with Sennheiser® wireless systems



### **Hirose® 4-Pin Connector**

Works with most Audio-Technica® wireless systems



### **Switchcraft® TA3F Connector**

Works with Samson AirLine ATX Series, Concert Series and most AKG® wireless systems

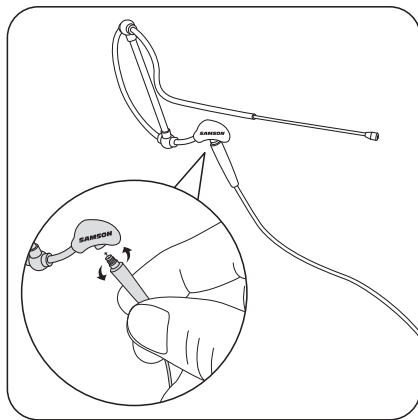


### **Switchcraft® TA4F Connector**

Works with most Shure® wireless systems

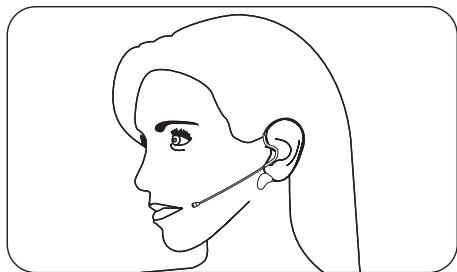
To connect the cable to the Earset:

- Choose the right cable and connector that works with your wireless system.
- Line the cable up to the threaded terminal on the back of the SE10x and screw the cable into the Earset. Do not over-tighten the cable.



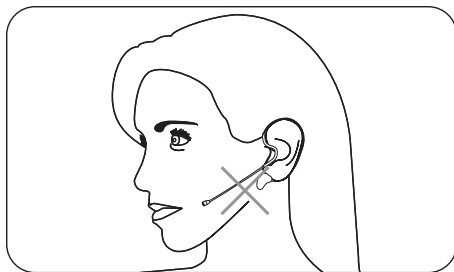
## Mic Positioning

The SE10x microphone is designed to be worn on either the left or right ear. The microphone can be re-sized to fit nearly any size ear simply by bending the wire into a new shape. Be sure to fit the microphone's ear band behind your ear. For optimal placement please follow the directions below:



Position the SE10x microphone element about 0.25" – 1" behind the corner of your mouth. Since the SE10x is an omnidirectional capsule, the end of the microphone does not need to be facing your mouth.

To avoid breath noise and p-pops, do not place the microphone directly in front of your mouth or use one of the included windscreens.



If the microphone is too far away from your mouth you will need to increase the gain and reduce isolation.

To minimize additional noise, do not locate the microphone tight against your cheek.

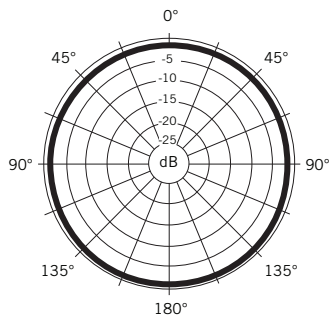
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## Specifications

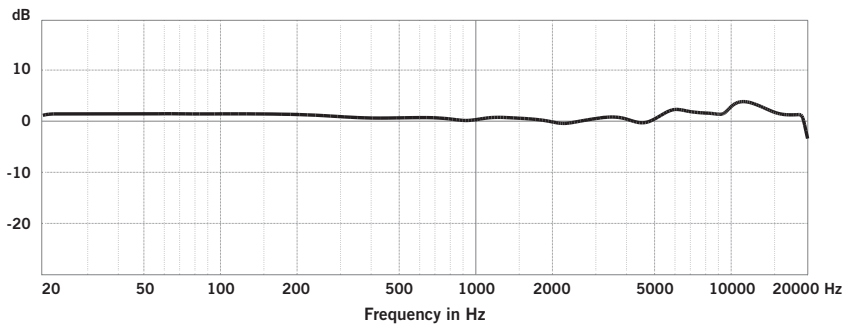
|                         |                                                                   |
|-------------------------|-------------------------------------------------------------------|
| Element                 | Back electret condenser                                           |
| Polar pattern           | Omnidirectional                                                   |
| Frequency Response      | 20Hz-20KHz                                                        |
| Sensitivity             | -45dBV/Pa @1kHz $\pm$ 3dB                                         |
| Output impedance        | 2k $\Omega$ $\pm$ 30%                                             |
| Maximum SPL             | 130dB                                                             |
| Self-Noise              | 30dB(A)                                                           |
| Dynamic Range           | 100dB                                                             |
| Operating voltage       | 1.5–12V DC                                                        |
| Cable:                  | $\varnothing$ 1.4mm*1.2m                                          |
| Weight:                 | 0.09oz / 2.5g                                                     |
| Dimension:              | $\varnothing$ 3mm                                                 |
| Included Adapter Cables | 1/8" (3.5mm), Hirose® 4-Pin, Switchcraft® TA3F, Switchcraft® TA4F |
| Accessories:            | (4) Windscreens, Clothing Collar Clip, Carry Case                 |

*At Samson, we are continually improving our products, therefore specifications and images are subject to change without notice.*

## Specifications



Polar Pattern



Frequency Response

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