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PRYME NoiseMaster™ SPM-NM10 SERIES Advanced Intelligent Active Noise Canceling Lapel Microphone Kit

For use with portable two-way radios

The PRYME NoiseMaster™ SPM-NM10 lapel microphone provides the user with clear voice communications even in high-noise environments using advanced intelligent active noise cancellation technology to filter out and remove background noise.



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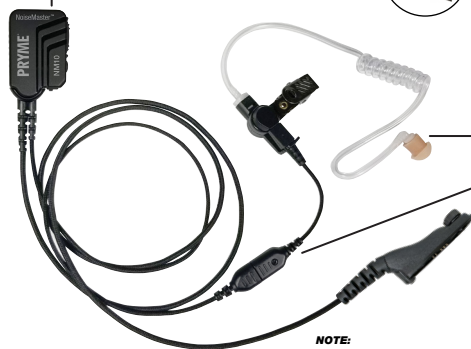
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Model No. SPM-NM10
Made in Taiwan

Controls and Connection

MICROPHONE

The high sensitivity electret microphone picks up the user's voice audio when sending a call. Mic audio is processed using Intelligent Active Noise-Canceling to remove background noise.



PTT BUTTON

This button is used to activate the push-to-talk feature of the two-way radio.

CLOTHING CLIP

The alligator-type clip secures the SPM-NM10 to the lapel of the user's clothing during use. The clip can be rotated to allow the microphone to be better positioned.

EARPHONE

Received radio transmission is heard through the earphone. PRYME offers a variety of different earphone types to match any environment and user. The optional SNP-AT acoustic tube style earphone is shown.

SNP CONNECTOR

This 2-pin connector is used to attach one of PRYME's compatible SNP series earpieces to the SPM-NM10 kit. This allows for the earphone to be replaced, or for two (or more) users with different earphones to share the same SPM-NM10 kit.

NOTE:

SPM-NM10-83 model shown. Models for different radios may appear slightly different.

BRAIDED FIBER CABLE / RADIO CONNECTOR

Cable resists tangling, snagging. Connector is used to attach the microphone kit to the two-way radio.



How AI Noise Canceling Technology Works

Our AI Noise-Canceling technology employs a dedicated processor equipped with intelligent AI profiles, capable of discerning human speech and filtering out background noise. Unlike traditional DSP-based Noise Cancellation, our innovative approach eliminates the need for a secondary microphone element, as the system continuously listens to the ambient noise, adapting its cancellation in near real-time. With over 500 million samples, the technology excels at identifying and reducing various background noises, ensuring crystal-clear communication by enhancing vocal harmonics. This cutting-edge solution is designed to remove all noise types, allowing users to enjoy pristine sound quality in diverse environments, from bustling offices to noisy industrial settings. The AI's ability to dynamically adapt to changing ambient sounds sets our technology apart, making it highly effective and versatile for a seamless communication experience.

Connecting and Using the Microphone

To install the remote microphone on the radio:

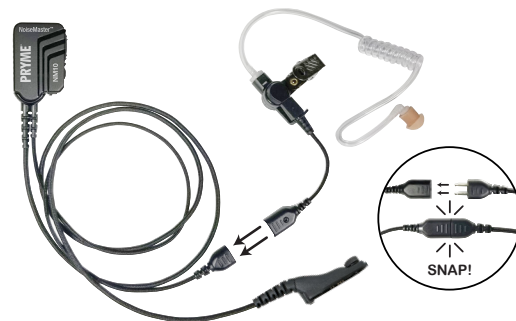
1. Attach one of the optional earphones to the 2-pin SNAP connector on the SPM-NM10.
2. Power the two-way radio off.
3. Remove any covers from the radio accessory connector.
4. Attach the radio connector of the remote microphone to the radio accessory connector.
5. Tighten any mounting thumbscrews or fasten any latch mechanisms for the connector, if required.

To use the remote microphone:





1. Power the two-way radio on.
2. Signals received by the radio should be heard through the earphone of the lapel microphone kit. Adjust the volume control on the radio to set your preferred listening level for the audio.
3. To transmit, press and hold the PTT button on the lapel microphone.
4. While holding the PTT, speak into the microphone slowly and clearly in a normal tone of voice.



Connecting an Earphone



PRYME makes a variety of listen-only earphones that will work with the SPM-NM10;

MODEL	DESCRIPTION	
SNP-AT	MIRAGE™ Acoustic Tube Earphone	
SNP-CR	DEFENDER™ C-Ring Earphone	
SNP-DR	DEFENDER™ D-Ring Earphone	
SNP-EH	RESPONDER™ Soft Earhook Earphone	
SNP-GH	SWIVEL G-Hook Earphone	