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PRYME®

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SPM-1700

In-Helmet Skull Microphone

USER'S GUIDE

- Easily and quickly installs into most hardhats or helmets with plastic liners

- Heavy-duty construction, featuring polyurethane cable, rubber, and high-impact polycarbonate

- Picks up the voice audio directly from vibrations in the user's skull, making it very resistant to picking up background noise



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Controls and Connection

Bone Conduction Microphone

The diaphragm of the microphone rests against the user's skull when the microphone is installed and the helmet is worn. The microphone picks up voice audio directly from vibrations under the user's skin.

Hook and Loop Fastener

Allows the top of the microphone kit to be secured inside the helmet.



Flexible Strap

The strap holds the microphone kit in place by wrapping around the helmet's inner liner.

Snap Fittings

The latch arm is inserted into one of these fittings to hold it in place

Latch Arm

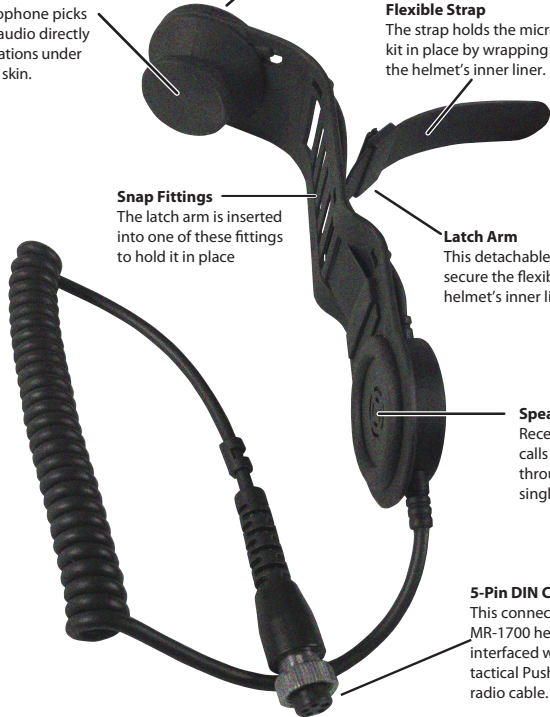
This detachable arm is used to secure the flexible strap to the helmet's inner liner.

Speaker

Received radio calls are heard through this single speaker.

5-Pin DIN Connector

This connector allows the MR-1700 helmet kit to be interfaced with a PRYME tactical Push-to-Talk and radio cable.



INSTALLING THE SPM-1700

First, choose which side of the helmet you wish to have the microphone kit installed on.

1. Thread the flexible strap behind the headband or liner of the helmet. (fig. 1)
2. Once positioned in the helmet, snap the Latch Arm into the appropriate slot in the strap. (fig. 2)
3. Adjust the location of the speaker by sliding the microphone kit along the helmet headband liner.
4. Secure the top of the microphone kit using hook and loop fasteners.



fig. 1



fig. 2

USING THE SPM-1700

1. Connect the SPM-1700 to a PRYME tactical PTT and radio cable.
2. Plug the radio cable into the two-way radio. Make certain the two-way radio is powered off whenever the cable is being connected or disconnected.
3. Wear the helmet with the SPM-1700 installed in it.
4. Turn the radio on set a comfortable listening volume. Received calls will be heard over the microphone kit's single speaker.
5. To send a radio transmission, press and hold the Push-to-Talk button on the PRYME tactical PTT.
6. Speak clearly at a normal speaking volume. Transmit audio will be picked up by the bone conduction microphone.



Note that due to the nature of the bone conduction technology, transmit audio may have a different fidelity than a normal microphone which picks up sound that travels through the air. However, voice transmissions should be completely understandable.