

WishRing SM18N2

WishRing SM18N2 Speaker Microphone User Manual

Model: SM18N2 | Brand: WishRing

INTRODUCTION

This manual provides instructions for the proper use and maintenance of the WishRing SM18N2 Speaker Microphone. This device is designed to enhance communication for users of compatible two-way radios, particularly in environments requiring robust and reliable audio accessories.

Compatible Radios:

- Hytera PD70X, PD70XG, PD78X, PD78XG, PD88XT, PD785, PD785G
- Hytera PD700, PD700G, PD702, PD782, PD782G, PD702G, PD780, PD780G, PD790EX, PT-580, PT580H

Application: The SM18N2 speaker microphone is suitable for professionals working in demanding conditions, such as traffic wardens, police officers, firefighters, and rescue personnel.



Figure 1: Overview of the WishRing SM18N2 Speaker Microphone, showing the speaker grille, microphone, coiled cord, and radio connector.

SETUP

To begin using your SM18N2 Speaker Microphone, follow these steps to connect it to your compatible two-way radio:

1. Ensure your two-way radio is powered off before connecting any accessories.
2. Locate the accessory port on your radio. This is typically on the side of the radio.
3. Align the connector of the SM18N2 speaker microphone with the radio's accessory port. The connector features multiple pins and a securing screw.
4. Gently push the connector into the port until it is fully seated.
5. Tighten the securing screw on the connector to ensure a firm and waterproof connection. Do not overtighten.
6. Once connected, you may power on your radio.



Figure 2: Detailed view of the multi-pin connector on the SM18N2 speaker microphone, designed for secure attachment to compatible radios.



Figure 3: The SM18N2 speaker microphone's connector fully inserted into a radio's accessory port, with the securing screw visible.

OPERATING INSTRUCTIONS

The SM18N2 speaker microphone is designed for intuitive operation, allowing for efficient communication without needing to handle the radio directly.

- **Transmit and Receive:** To transmit, press and hold the Push-To-Talk (PTT) button located on the side of the microphone. Speak clearly into the microphone. Release the PTT button to receive.
- **Speaker Output:** Audio from the radio will be routed through the speaker on the front of the microphone.
- **Emergency Alarm:** The microphone features an emergency alarm capability. Refer to your radio's manual for specific instructions on activating and using this function with an external accessory.
- **3.5mm Audio Jack:** A 3.5mm audio jack is provided for connecting a receive-only earpiece. This allows for private listening in noisy environments. Insert the earpiece plug firmly into the jack.
- **Swivel Clip:** The integrated 360-degree swivel clip allows you to attach the microphone securely to clothing, a belt, or a strap, providing flexibility and ease of access.
- **Retractable Coil Cord:** The coiled cord provides flexibility in movement while keeping the cable tidy and preventing tangles.



Figure 4: Side view of the speaker microphone, highlighting the Push-To-Talk (PTT) button and other controls for operation.



Figure 5: A hand demonstrating the position of the 3.5mm audio jack on the side of the microphone, used for connecting an earpiece.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your SM18N2 Speaker Microphone.

- **Cleaning:** The SM18N2 is rated IP57 for protection against dust and moisture. To clean, wipe the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the 3.5mm jack and connector pins are free of debris.
- **Storage:** When not in use, store the microphone in a clean, dry environment away from extreme temperatures.
- **Cord Care:** Avoid excessive pulling or twisting of the coiled cord to prevent internal damage.

TROUBLESHOOTING

If you encounter issues with your SM18N2 Speaker Microphone, consider the following troubleshooting steps:

- **No Audio / Intermittent Audio:**
 - Ensure the microphone connector is securely attached to the radio and the screw is tightened.
 - Check the radio's volume settings.
 - If using an earpiece, ensure it is fully inserted into the 3.5mm jack and functioning correctly.
 - Test the microphone with another compatible radio if available, to determine if the issue is with the microphone

or the radio.

• **Distorted Audio / Crackling Sound:**

- Verify the connection is secure and free from corrosion or debris.
- Ensure the microphone is not too close to other electronic devices that might cause interference.
- Check the radio's settings for audio output or squelch.

• **Buttons Not Responding:**

- Ensure the microphone is correctly connected and the radio is powered on.
- Inspect buttons for physical damage or obstruction.

If problems persist after attempting these steps, contact the manufacturer or seller for further assistance.

SPECIFICATIONS

Feature	Specification
Model Name	SM18N2
Operating Temperature	-30 to 65 °C
Protection Rating	IP57 (Dust and Moisture)
Dimensions (L x W x H)	86.3 x 62.1 x 43.8 mm (3.4 x 2.44 x 1.72 inches)
Weight	160 g (5.6 ounces)
Speaker Sensitivity	90 ± 3 dB (1 W / 30 cm) at 300 Hz - 3 kHz AVE
Speaker Rated Power	1 W
Speaker Maximum Power	2 W
Speaker Rated Impedance	8 Ω ± 15% at 1.5 kHz 1 V
Microphone Sensitivity	-42 ± 2 dB at 1 kHz (0 dB = 1 V/Pa)
Microphone Directionality	Omni-directional
Audio Sensitivity	42 Decibels
Connectivity Technology	Auxiliary
Connector Type	3.5 mm Jack
UPC	708214197805

WARRANTY AND SUPPORT

Specific warranty information for the WishRing SM18N2 Speaker Microphone is not provided in this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging, the seller's website, or contact the seller directly.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question