

2-WAY RADIO-ENABLED WIRELESS MICROPHONE SPEAKER SYSTEM

AYO™ TALK-MIC

The AYO™ TALK-MIC System comprises an AYO™ TALK multifunction speaker and an AYO™ MIC customized wireless microphone, where the AYO™ MIC, when fitted in an AYO™ WX mask, picks up your voice and sends it to the AYO™ TALK via Bluetooth wirelessly. AYO™ TALK-MIC can be used for both face-to-face and two-way radio communications.

Face-to-Face Communication

The AYO™ TALK receives the voice information sent by the AYO™ MIC, then processes it with a unique noise-cancelling algorithm before amplifying the voice for communication in dusty and noisy environments.

Two-Way Radio Communication

Once connected with a two-way radio device, the AYO™ TALK can also send the voice to a pairing remote two-way radio device while wearing the mask or play audio information from the remote two-way radio device.

The AYO™ TALK also has its built-in microphone, and if you take off your mask and talk to the AYO™ TALK directly, the two-way radio communication can still function without interruption.

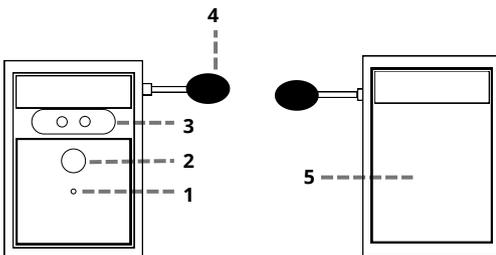


Features:

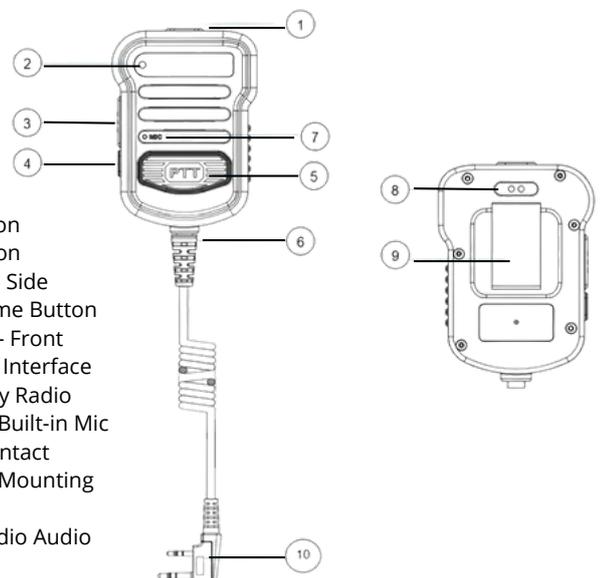
- Can be used for both face-to-face and two-way radio communication in dusty and noisy environments.
- Amplify your voice with a peak sound level over 85dB while wearing an AYO™ WX mask in face-to-face communication.
- When connected with a two-way radio device, it enables two-way radio communication while wearing an AYO™ WX mask.
- A built-in AI-based noise-cancelling algorithm effectively removes breathing and blower noise, achieving superior speech intelligibility.
- Face-to-face and two-way radio communication auto-switchover, allowing a seamless mixed communication.
- Can be used with both AYO™ WX FFM-LF Loose-Fitting Full-Face Mask and HFM Half-Face Mask.
- 2 levels of adjustable sound volume.
- Over 25 hours of continuous runtime.
- The AYO™ TALK also has a built-in microphone, allowing Mask-on and Mask-off microphone auto-switchover.
- The AYO™ MIC is easily removable from the masks for charging.
- Both AYO™ MIC and AYO™ TALK are intrinsically safe and waterproof.

Aimwell™ AYO™ TALK-MIC Overview

1. LED Indicator
2. Pairing Button
3. Charging Contact
4. Microphone
5. Mounting Side



1. On/Off Button
2. LED Indication
3. PTT Button - Side
4. Sound Volume Button
5. PTT Button - Front
6. Audio Cable Interface with two-way Radio
7. AYO™ TALK Built-in Mic
8. Charging Contact
9. AYO™ TALK Mounting Clamp
10. Two-way Radio Audio Cable Plug



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System Packing List

SKU	Product Name
AP152	AYO™ TALK
AP153	AYO™ MIC
AP154	AYO™ MIC Mounting Bracket – FFM-LF
AP155	AYO™ MIC Mounting Bracket – HFM
AP158	AYO™ Talk Two-Way Radio Audio Cable*
AP159	AYO™ Talk Charger and Charging Cable
	User Manual

***Note:**

By default, the system does not contain a 2-way radio cable. It is only included when it is specified at the time of ordering and when a compatible cable is available for the intended 2-way radio device.



Specification

Function / Parameter	AYO™ MIC	AYO™ TALK
On/Off	Auto On by movement Auto Off if idle for 1 minute when not connected with the AYO™ TALK	Manual On and Off, or Auto Off when idle for 5 minutes.
Communication Mode	Wireless	Wireless with AYO™ MIC, Cable with two-way Radio Device
Sound Output		> 85dB at 1m.
Battery Idle Time After Full Charge	50 hours (no movement)	80 hours (no amplification)
Battery Operation Time After Full Charge	25 hours	30 hours
Battery Life	Typical 3 years or 1000 full cycles, whichever comes earlier	Typical 3 years or 1000 full cycles, whichever comes earlier
First Low Battery (Red LED) Indication	Can still use for 5 hours	Can still use for 5 hours
Charging Time	3 hours	4 hours
Weight	15g	148g
Operation Conditions	Altitude	Up to 5500m
	Temperature	-20°C to 50°C
EX Protection Rating	Ex ib IIC T4 Gb	Ex ib IIC T4 Gb
IP Protection Rating	IP67	IP67



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