

# OC-Headset-S88/S88X SERIES v1.0

SKULL MICROPHONE

Quick Start User Guide



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**Ocean one**<sup>®</sup>

## —、 Overview

### 1.1 Functions

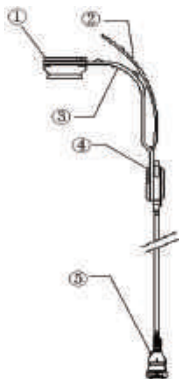
**The bone conduction headset** are compact, lightweight communications units designed for extreme hazardous environments. It is easy to use and helps you to fully release your hands and helps improve personal safety and productivity. A high-sensitivity vibrator is used to collect the vocal cord vibrations transmitted to the skull and convert the vibration signal into a sound signal. This skull earphone can be easily and securely installed in the helmet and does not affect the use of other protective equipment such as breathing masks.

**Speaker Microphone** is flexible to wear, voice clear, can be used alone, can also be used with headphones, suitable for a variety of uses, including applications in explosive environments; super large PTT design, not only can easily activate, but also provide a very clear call quality, Easy to perform various complicated tasks.

### 1.2 Product Features

- Skull vibration microphone
- More comfortable long-time wear , not easy to fall off
- Do not affect the use of protective equipment such as masks and helmets
- Intelligent human voice recognition and anti-noise performance.
- Waterproof and dustproof, firm connection, suitable for firefighting and dangerous task

## 二、Parts introduction



### Skull conduction headset

①Pickup (Bone Conductor Microphone): Collects vocal cord vibrations transmitted to the skull and converts vibration signals into sound signals;

② ③Mounting strap: Unique design, easy installation in all standard safety helmets or masks in without the help of any tools;

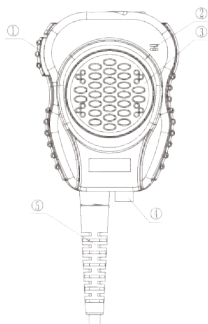
④Speaker: receiving a voice signal;

⑤Connector: Connects to the PTT control button

### Skull conduction headset parameters

Weight	64g
Mic	vibration sensor,noise attenuation 30dB
Speaker	32ohm,air tube transfer
Cable	straight line (flame retardant):4.2mm/750mm
Connector	6pin quick plug-in type
Operation temperature	-25—63°C
Operation voltage	2,5...10,0vdc
Humidity	95%RH,+63°C,500 hours (continuous)

## Speaker microphone



① Side PTT: Need to manually activate the radios  
Press the button, the same function and ③

② Microphone: The microphone is on when the headset is not connected

③ Loudspeaker /PTT button: Both shoulder microphone speaker and PTT button to activate radios

④ Connector Outlet: Headphone Port/Charge Port

⑤ Connect the communication line of the walkie-talkie

## Speaker microphone parameters

Material	polycarbonate,silicone rubber
Cable	4.3mm spring line(flame retardant)
Connector	6 core quick plug-in type
Operation temperature	-25—60°C
Operation voltage	3.7vdc(M3-A/M3-W)
Protection grade	IP66
Humidity	95%RH,+63°C,500 hours (continuous)
Weight	180g
Size	87*68*42mm

### 三、 Installation and use

#### Method One: Helmet - Nylon Bracket Installation

- 1、 Install helmet communication headset on the safety frame of the helmet;
- 2、 The pickup is placed as far as possible in the middle of the head;
- 3、 Tighten the nylon cable tie to securely install it in the helmet.



#### Method two: a helmet - microphone, speaker independent installation

- 1、 Insert the transparent fixing bracket into the microphone groove, and insert the metal bracket into the groove of the speaker;
- 2、 Put the four legs of the transparent fixing bracket into the support style of the top of the hat and place it as far as possible in the middle of the head;
- 3、 Place the metal bracket on the helmet's elastic headband near the earphone.



### Method three: Mask - microphone, speaker independent installation

- 1、 Insert the transparent fixing bracket into the microphone groove, and insert the metal bracket into the groove of the speaker;
- 2、 Assemble the metal bracket on the upper left side of the mask as shown in Figure 1;
- 3、 According to Figure 2 will be mounted on the mask transparent braces on the top strap;
- 4、 Tie the cable tie as it is, the microphone is placed as far as possible in the middle of the head, the speaker is adjusted to the position close to the ear.

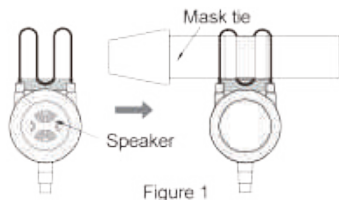


Figure 1

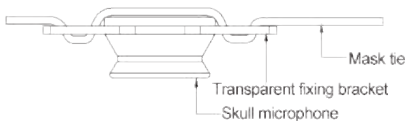
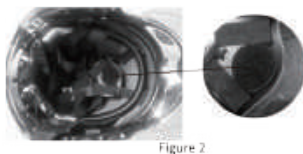
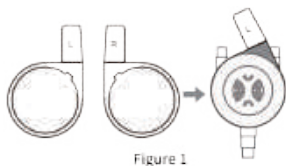


Figure 2

### Method four: F1 fire helmet installation

- 1、 The fixed bracket "L" or "R" embedded speaker groove, (only one bracket installed) Figure 1;
- 2、 Attach the self-adhesive Velcro to the front of the support cap liner on the top of the F1 helmet, as shown in Figure 2;
- 3、 Insert the speaker with the mounting bracket into the corresponding left or right slot of the F1 helmet;
- 4、 Attach the microphone to the Velcro on the top of the helmet



### Speaker microphone

- 1、 Insert the speaker microphone connector into the walkie-talkie
- 2、 Connect the connector of the communication headset to the socket of the speaker microphone
- 3、 Put on headphone and open the radio;



## Contact

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