

PTT & Skull Mic/Headset

ZXF-HM1000

1. Description

Both the skull mic/headset and PTT unit are used together with ZXF-N2000 fire-fighter's radio equipment.

The skull mic/headset is designed for use by fire-fighters who work in very dangerous environments. The highly sensitive vibration sensor picks up the vibration of skull's vocal cords and the vibration is transformed into sound signal input to VHF transceiver via PTT unit.

As specially designed, the skull mic/headset can be installed in most standard mask & helmet used by fire-fighters. The headset installed won't affect the use of mask & helmet themselves.

The sound signal from the skull/mic headset will be input to transceiver via PTT unit.

The PTT unit is so designed that can be easily operated by fire-fighters who wear the heavy uniform and gloves.

The PTT is robust with PC case. It's watertight and can stand high water pressure and bounce.

2. Characteristics

- a. Be able to clearly speak and hear even in the noisy environments
- b. The use of the unit won't affect the use of mask & helmet.
- c. Easy to operate even when wearing helmet and gloves.
- d. Watertight, high temperature resistant, acidproof, alkali-resisting.

3. Supply list

- Skull mic/headset 1 pc
- PTT Unit 1 pc



4. Specification

4.1 Skull mic/headset

Weight:	75g
MIC:	Vibration pickup, noise abatement 30dB
Speaker:	32 ohm
Cable:	4.2mm/130mm, flame-retardant 2.5mm/300mm, flame-retardant
Connector:	5 pin connector
Operating Temperature:	-25 ~ 63°C (continuously)
Operating Voltage:	2.5 ~ 10.0 VDC
Humidity:	95% RH, +63°C, 500 hours

4.2 PTT Unit

Weight:	210g
Size:	65 (diameter) x 40 (thickness) mm
Material:	PC and silicon
Connector:	5-pin connector
IP grade:	IP67
Operating Temperature:	-25 ~ 63°C (continuously)
Operating Voltage:	2.5 ~ 10.0 VDC
Humidity:	95% RH, +63°C, 500 hours

5. Installation



- Attach the earphone on the mask properly.
- Attach the skull mic in the mask.
- Wear the mask and ensure the skull mic pressed on the top of head.
- Connect the headset with PTT unit.
- Fasten the connector of PTT to ZXF-N2000 VHF radio.

