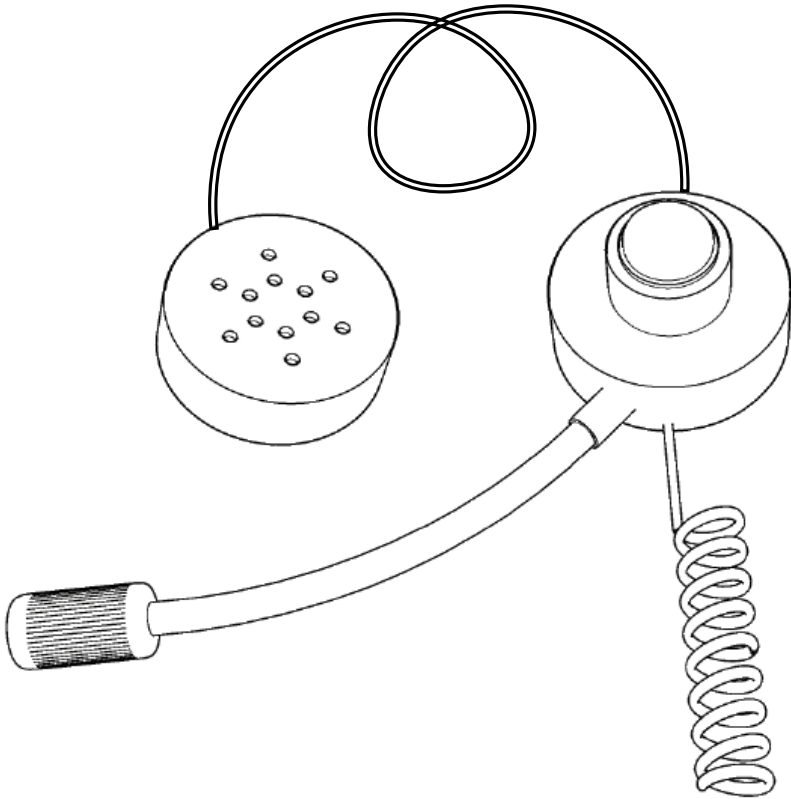


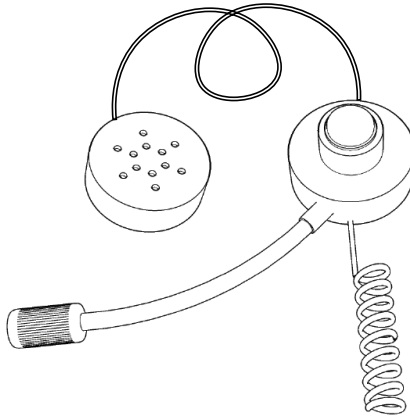
# User manual



iriInsert

CONGRATULATIONS ON YOUR NEW PRODUCT FROM  
IRIDIUM WATERPROOF COMMUNICATION SYSTEMS

**iriInsert**



IWCS HOPE YOU WILL ENJOY THE BENEFITS OF TROUBLE  
FREE HIGH QUALITY INTERCOM. PLEASE READ THESE  
INSTRUCTIONS CAREFULLY BEFORE FIRST USE.  
IF INSTALLED, OPERATED AND MAINTAINED  
ACCORDING TO THIS MANUAL THE iriInsert WILL BE A  
RELIABLE PARTNER FOR MANY YEARS TO COME.

THOMAS B SVENNINGSEN  
CO-FOUNDER OF IWCS

## 1. Introduction

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# 4

# Introduction

## 1.1 Disclaimer

Any responsibility or liability for loss or damage in connection with the use of this product and the accompanying documentation is disclaimed by IWCS.

The information in this manual is provided for information purposes only, is subject to change without notice and may contain errors or inaccuracies.  
Manuals issued by IWCS are periodically revised and updated.

Anyone relying on this information should acquire the most current version e.g. upon request at [info@iwcs.eu](mailto:info@iwcs.eu)

IWCS is not responsible for the content or accuracy of any translations or reproductions, in the whole or in part, of this manual from any other source.

## 1.2 Copyright

2024 Iridium Waterproof Communication Systems ApS. All right reserved.  
Printed in Denmark.

## 1.3 Trademark

iriInsert is a Trademark by Iridium Waterproof Communication Systems ApS.

| Revision | Release date | Release note    |
|----------|--------------|-----------------|
| 1.1      | 19-03-2024   | General Revisit |



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## 1.4 Safety warning

The following general safety precautions must be observed during all phases of operation, service and repair of this equipment. Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture and intended use of the equipment. IWCS assumes no liability for the customer's failure to comply with these requirements.

- **EMC / RF EXPOSURE**

irilInsert is CE and UKCA certified as stated in the Declaration of Conformity.



- **FIRE**

In case of fire, harmful gases and fumes may occur. One should immediately leave the area and seek help. In case of suspected smoke in the lungs, a doctor should be consulted



- **POWER LOSS**

Power interruptions limited to irilInsert will not affect other users communication. A general power outage will turn off the entire intercom system. IWCS is not responsible for any power outages or consequences thereof, of any kind.



- **WARRANTY LIMITATIONS**

**IMPORTANT** - This unit is a sealed waterproof unit (classified IPX7). To create and maintain its waterproof integrity it has been assembled in a controlled environment using special equipment. This unit is NOT a user serviceable unit, and under no circumstances should the unit be opened except by authorized personnel. Unauthorized opening of the unit will invalidate the warranty.



- **DISPOSAL**

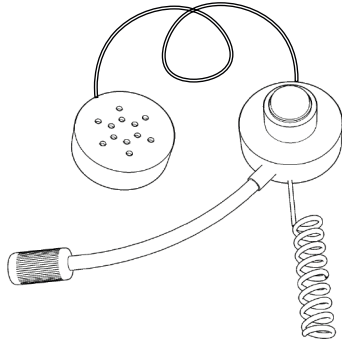
When disposing of irilInsert and related equipment, it must happen in accordance with applicable national law.



# 6 Unboxing

## 2.1 In The Box

1 x irilnert\*

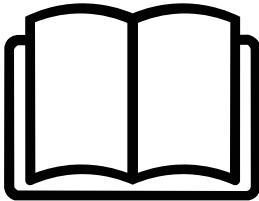


*\*Cable type, length and connector type depends on interface.*

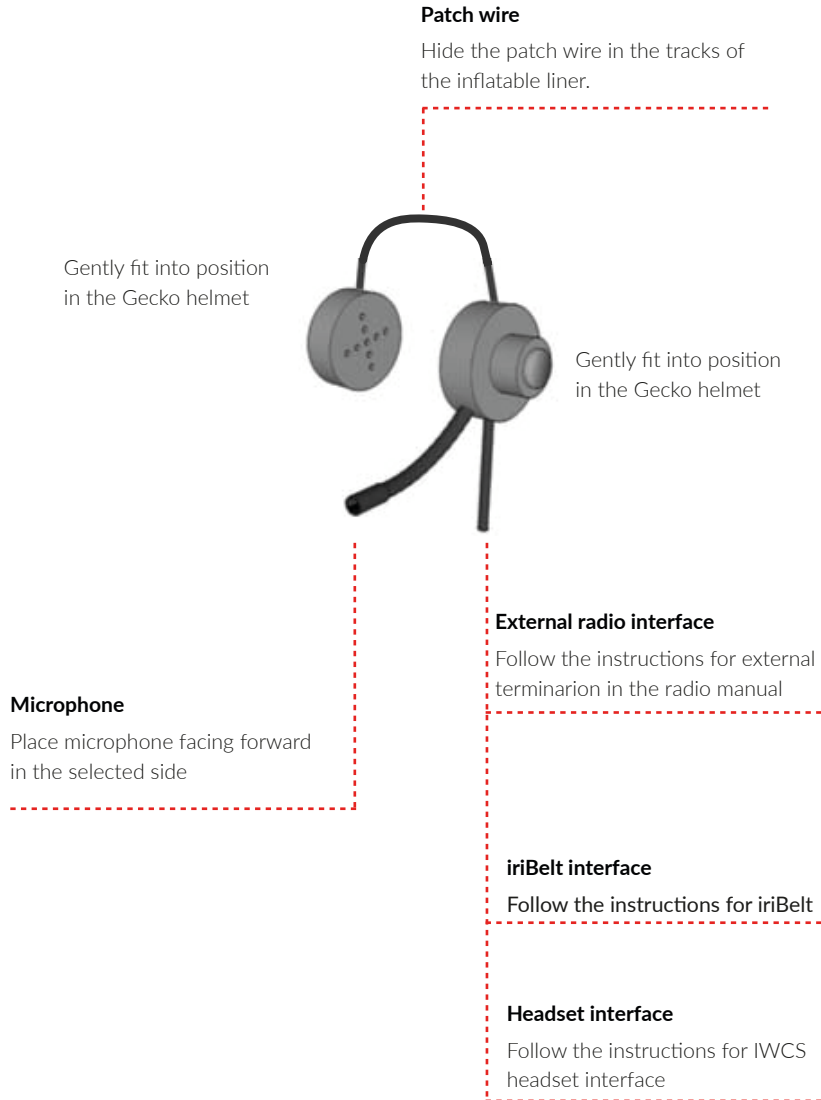
1 x IWCS Windmuff Kit



1 x User Manual



## 3.1 Function



*\*Shown image is with left side mic.*

### 3.2 Introduction for use

#### Microphone

Place the microphone at a distance of less than one cm in front of your mouth. The noise cancelling, directional microphone is a very sensitive component, and must be placed in the right position for optimal performance. Underneath the wind muff there is a flat surface indicating which side must point towards your mouth.

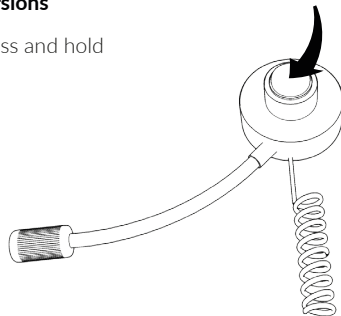
#### Microphone

This flat surface **MUST** point towards your mouth.



#### PTT - ONLY ON IR-33-004XX-XXXXX versions

For remote activation of the radio PTT, press and hold the red PTT button on the irinsert. When released TX is discontinued.





### 3.3 Installation

irilInsert is installed inside Gecko Marine Safety Helmets without any use of tools.

Remove the plugs in the ear-recess of the Gecko Helmet.

Depending on irilInsert version, either Right or Left or both plugs should be removed.

IR-33-0031R-02-XXXXX Remove Right side earplug

IR-33-0041R-02-XXXXX Remove Right Side earplug

IR-33-0032R-02-XXXXX Remove Both earplugs

IR-33-0042R-02-XXXXX Remove Both earplugs

IR-33-0031L-02-XXXXX Remove Left side earplug

IR-33-0041L-02-XXXXX Remove Left Side earplug

IR-33-0032L-02-XXXXX Remove Both earplugs

IR-33-0042L-02-XXXXX Remove Both earplugs



## 4.1 Specifications

| iriInsert         | Single   | Dual                 |
|-------------------|--|----------------------|
| Weight            | 200 g  | 250 g                |
| Size              | Ø 50 x 40 mm   | Ø50 x 40 mm x2       |
| Waterproof        | IP67   |                      |
| Temperature range | -30 to +60 °C  |                      |
| PTT               | Optional   |                      |
| Microphone        | Left or right  |                      |
| Audio             | Speaker:200 - 8.000Hz<br>Military grade, noise cancelling boom microphone. Voltage supply from radio |                      |
| Termination       | Spiral cable with connector for iriBelt or radio specific connector for direct radio connection      |                      |
| Part number       | IR-33-00xx_-0x-_____   | IR-33-00xx_-0x-_____ |

## 4.2 Cleaning

Do not use chemicals or solvents to clean your IriSelect. Use only fresh water. Pressure, friction, sharp objects, etc. can damage the product and the warranty may be void.

## 4.3 Warranty

iriInsert is covered by a two (2) year warranty.

## 4.4 Service / Upgrades

Any Service or additional Upgrades must be handled by IWCS. Do not try to open or modify the IWCS product.

## 4.5 Maintenance

If your IWCS IriInsert has been exposed to saltwater, chemicals or any other solvents/liquids, immediately rinse with freshwater and wipe with a dry cloth.

iriInsert  
is developed, designed and  
manufactured by

IWCS Aps

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