



INTERSPIRO Spirocom XL Communication System User Manual

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INTERSPIRO Spirocom XL Communication System



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Safety notice

The product must only be used with other approved Interspiro products. The apparatus must be maintained, serviced and tested as described in this user manual, Interspiro service manuals and Interspiro test instructions.

Interspiro is not responsible for:

- combinations of products, unless put to market by Interspiro
- changes or adaptations made to the product by a third party

Changes to this document – necessitated by typographical errors, inaccuracies of current information or improvements and changes of equipment – may be made at any time without prior notice. Exposure to extreme conditions, may require different procedures rather than those described in this manual. The guarantees and warranties specified in the conditions of sale are not extended by this Safety notice.

Safety terminology and symbols

In this document, the terms DANGER, WARNING and NOTICE are used to indicate potential hazards. Read the accompanying information carefully and follow the safety instructions.

- **DANGER:** The DANGER type of hazard statement signifies that there is a risk of serious injury or death.

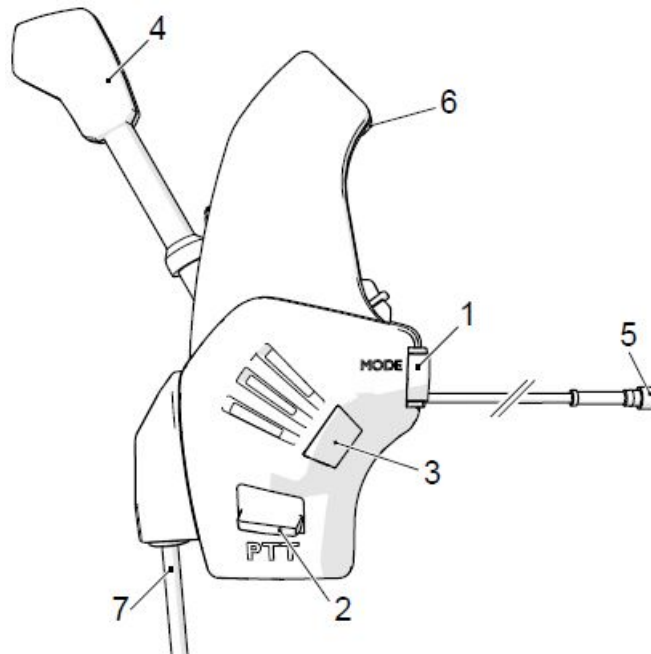
- **WARNING:** The WARNING type of hazard statement signifies that there may be a risk of serious injury or death.
- **NOTICE:** The NOTICE type of hazard statement signifies that there may be a risk of damage to equipment or property.

Before use

Overview

The Spirocom XL mask unit is made for wired transmission of the sound to the long-range radio and has Team Talk and PTT functionality.

Main components



1. MODE button
2. PTT button
3. Display
4. Ear speaker
5. Microphone
6. LED indicator
7. Radio cable

Technical data Spirocom XL

Ingress protection

Rating Note

IP67 For sealed unit, excluding radio cable and microphone.

Frequency

Region Frequency

Europe	868 MHz
USA	915 MHz

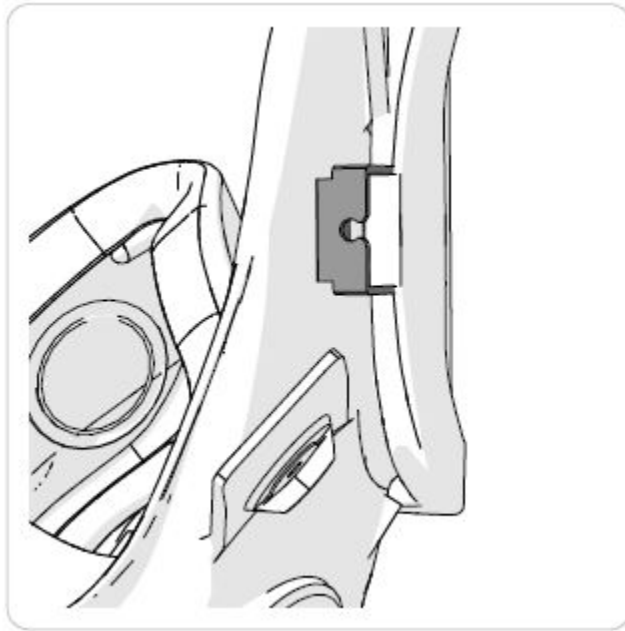
Approvals

Approval Note

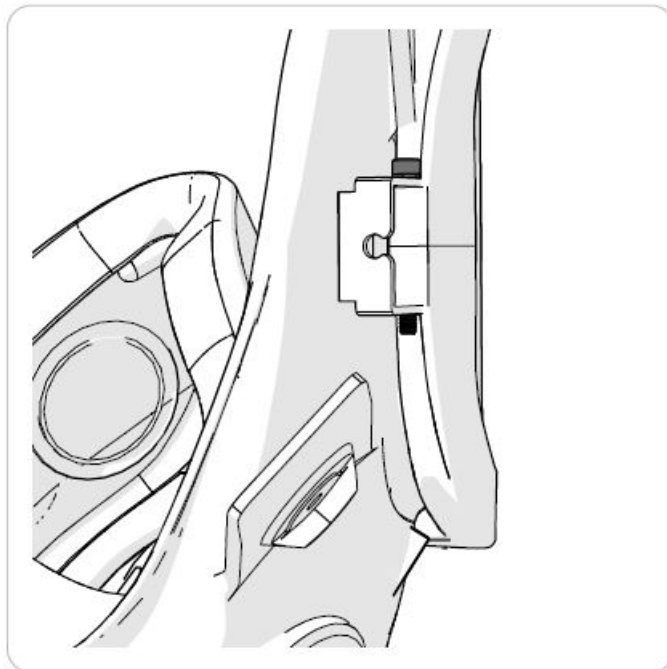
- CE Approved
- FCC ID: YDFSCM30605

Install attachment bracket on mask

1. Remove the visor frame screw (and lock washer) on the right side of the mask.



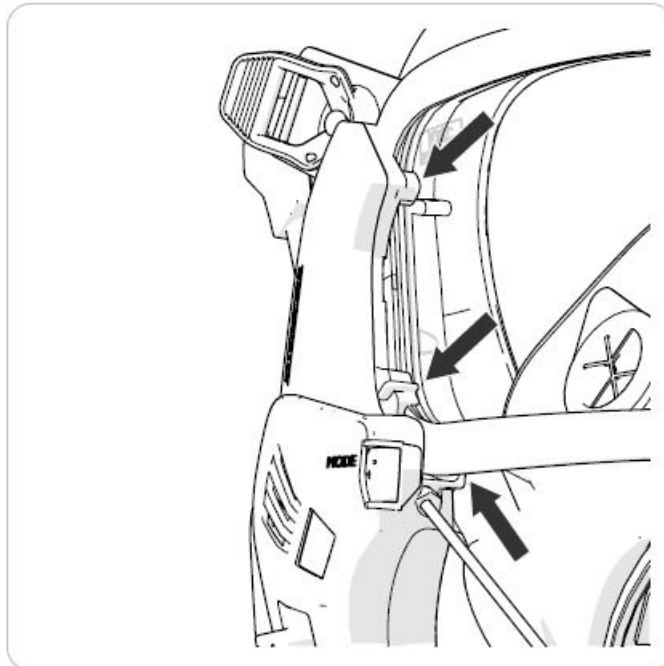
2. Put the attachment bracket on the mask.



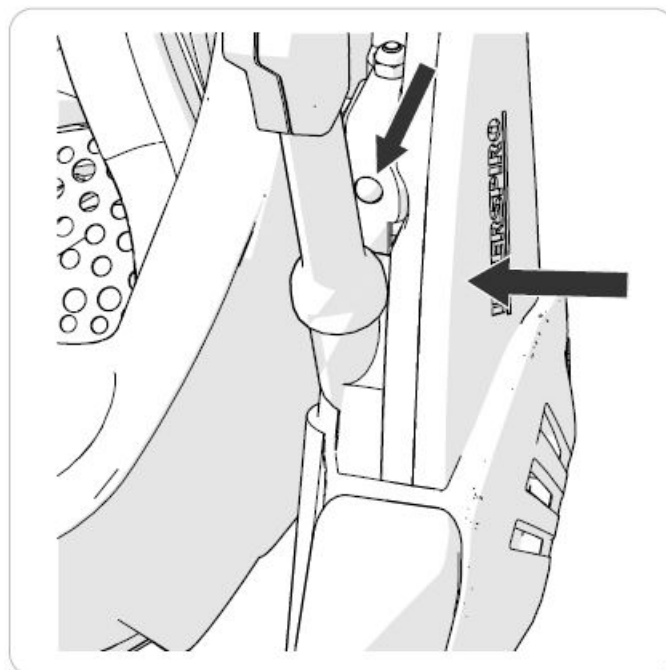
3. Install the long screw (supplied with the Spirocom) and the lock washer. Tighten the screw.

Install Spirocom on mask

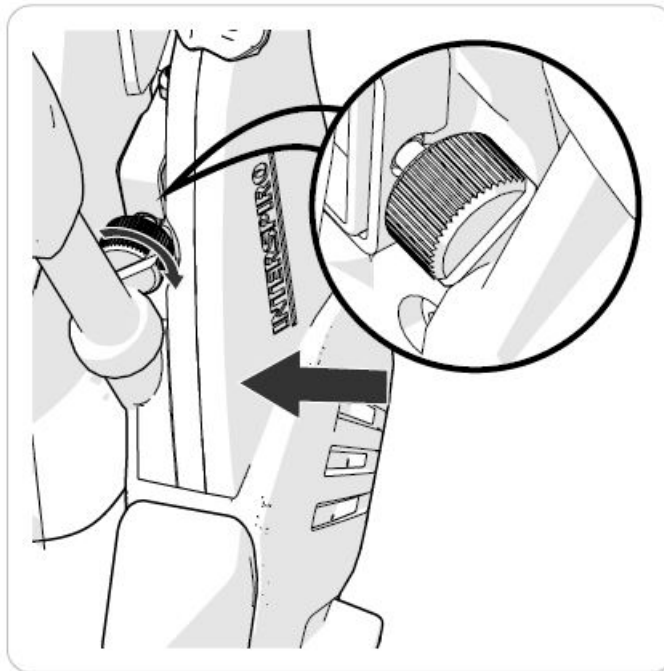
1. Put the Spirocom in position on the mask by placing the hooks over the visor frame.



2. Quick connection version: Press the Spirocom against the mask until the locking peg locks into the hole in the attachment bracket.



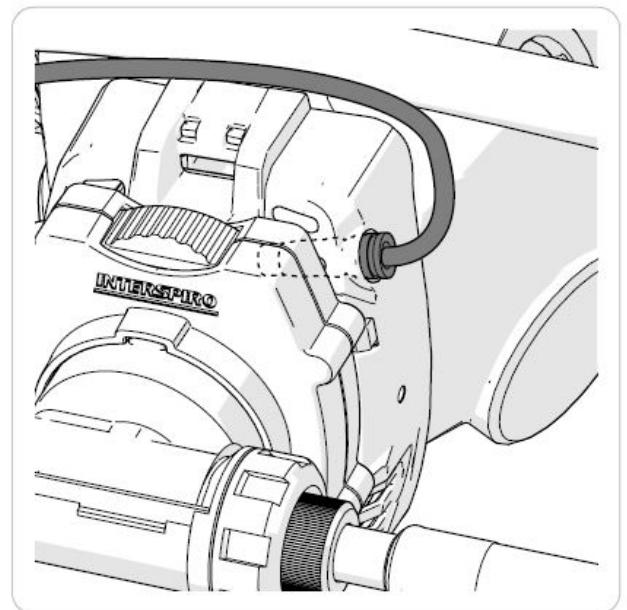
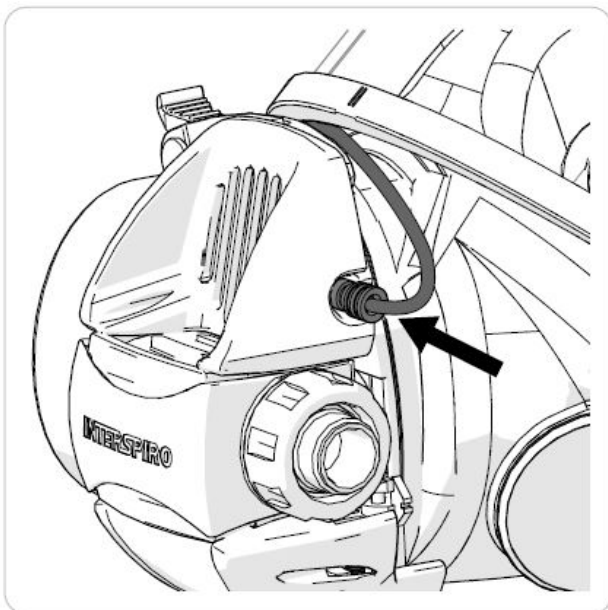
3. Hand screw version: Press the Spirocom against the mask until it is possible to tighten the hand screw moderately in the hole in the attachment bracket.



4. Make sure that the Spirocom is safely attached to the mask.

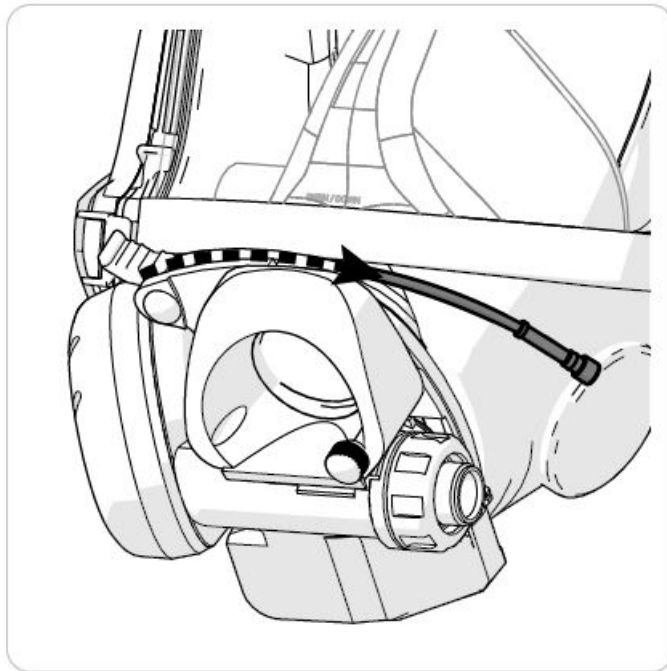
Install microphone on Inspire / Respire mask

1. Put the microphone cable between the lower visor frame and front piece of the mask.
2. Push the microphone into the hole in the frontpiece of the mask.

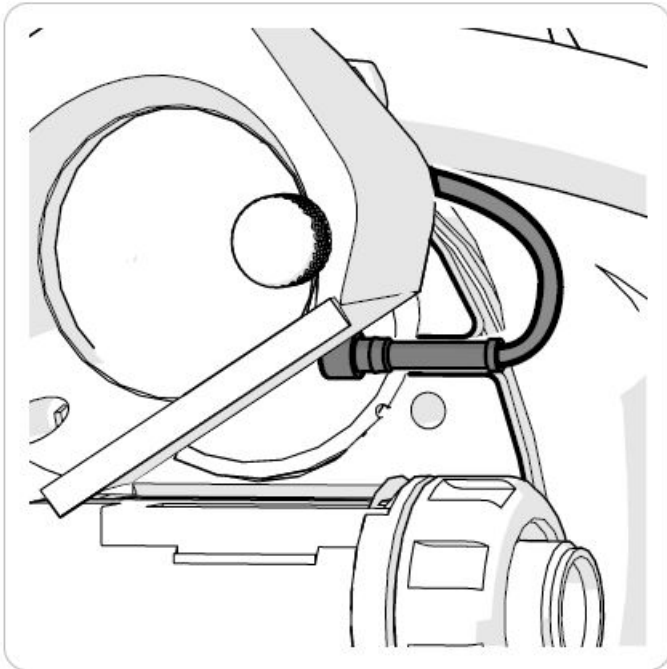


Install microphone on S-mask

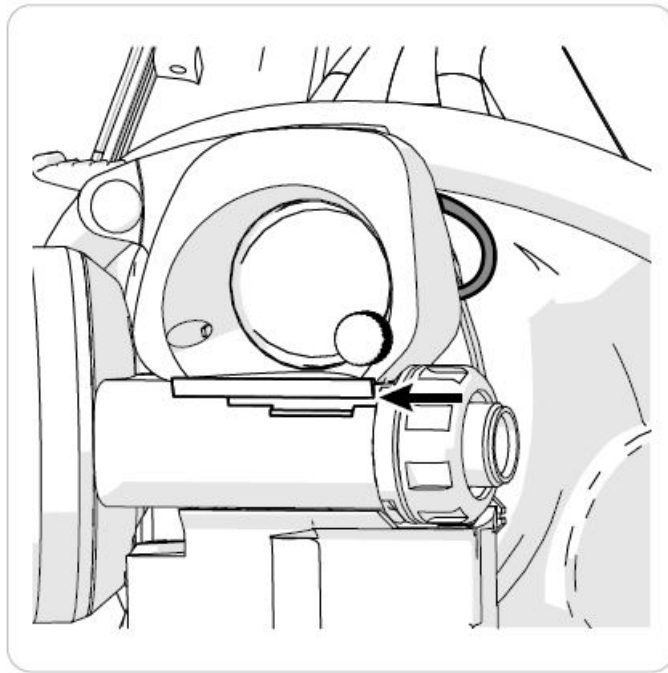
1. Put the microphone cable between the lower visor frame and front piece of the mask.



2. Loosen the hand screw on the speech diaphragm and turn the speech diaphragm up.
3. Put the narrow part of the microphone in the slot in the mask.



4. Turn the speech diaphragm down and tighten the hand screw.
5. If the speech diaphragm is in the correct position, the lip of the speech diaphragm covers the serial number on the breathing valve.

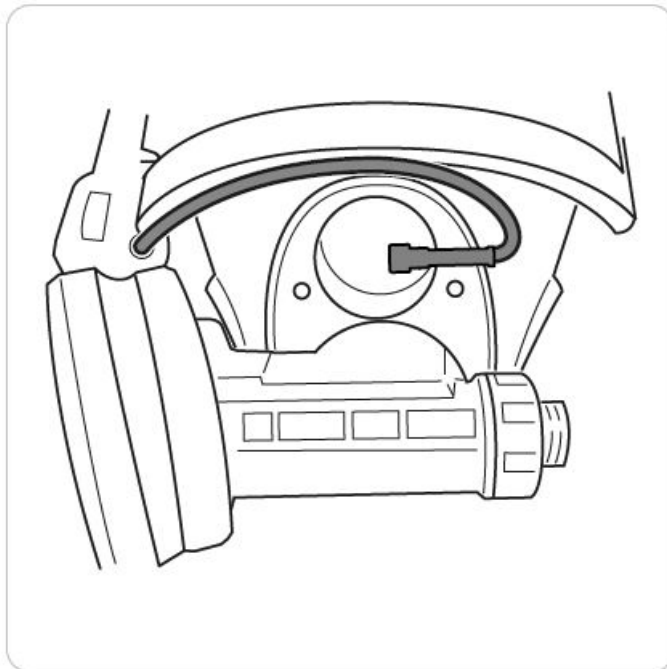


Install microphone on Spiromatic mask

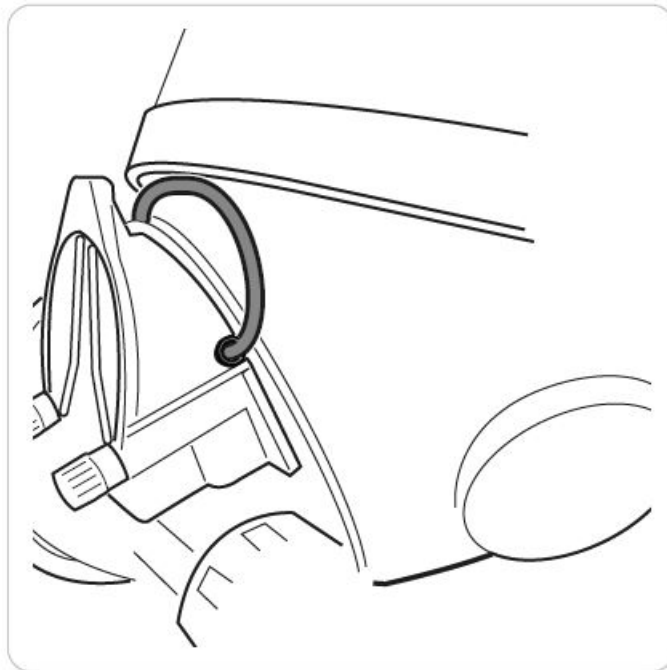
1. Loosen the hand screws and remove the external speech cone/blank cover.
2. Put the microphone cable between the lower visor frame and front piece of the mask.



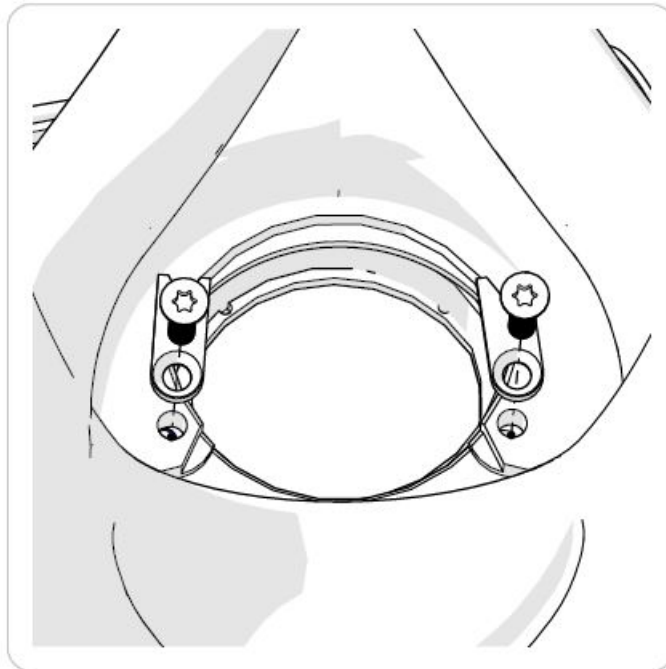
3. Put the microphone so that it is in the center of the front piece of the mask.



4. Install the external speech cone and tighten the hand screws. Make sure the microphone cable is correctly installed in the slot in the speech cone.

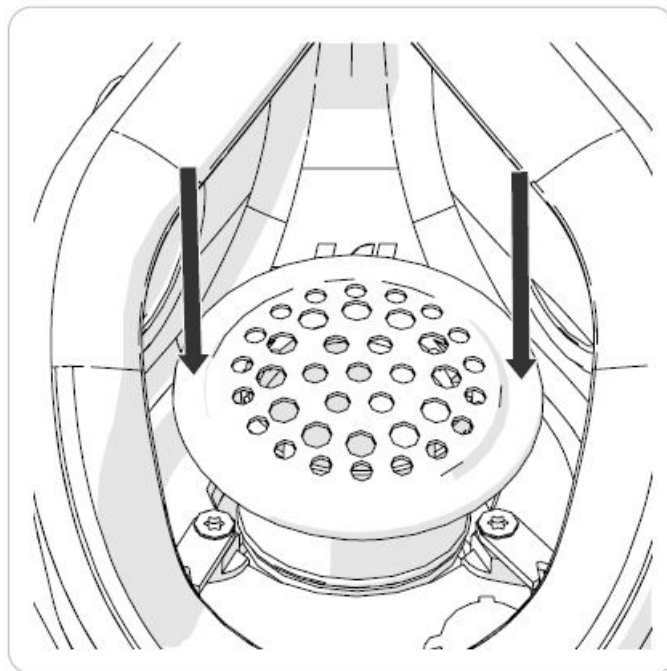


5. Attach the locking lugs in the mask with the two screws.

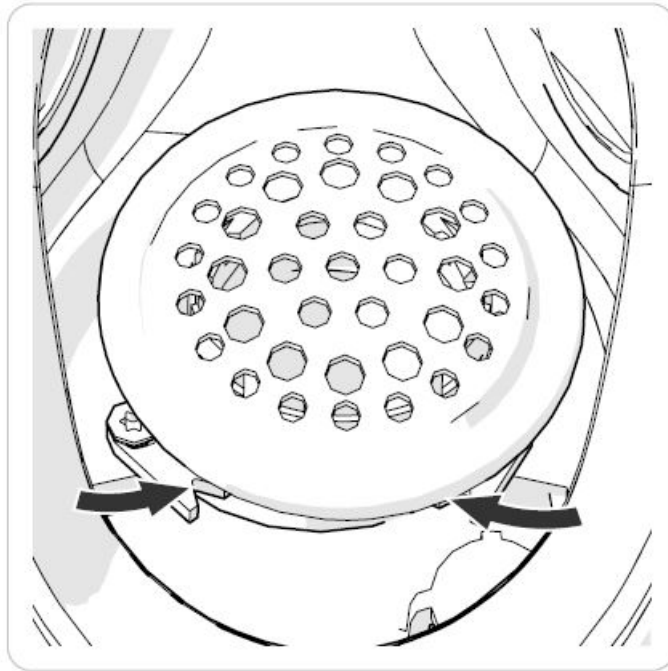


6. Make sure that the screws on the locking plates are correctly tightened so the locking plates turn evenly.
7. Make sure that the locking lugs on the speech diaphragm is turned towards the locking plates. Hold the speech diaphragm by the edges and carefully press the speech diaphragm in place.

NOTE: Do not press in the middle of the speech diaphragm, this can deform the speech diaphragm.

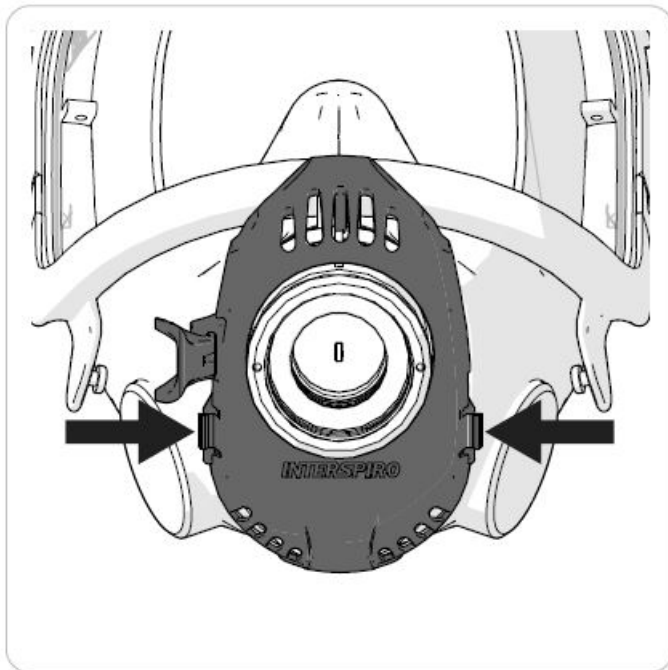


8. Turn the locking plates with a screwdriver or similar tool to lock the speech diaphragm.

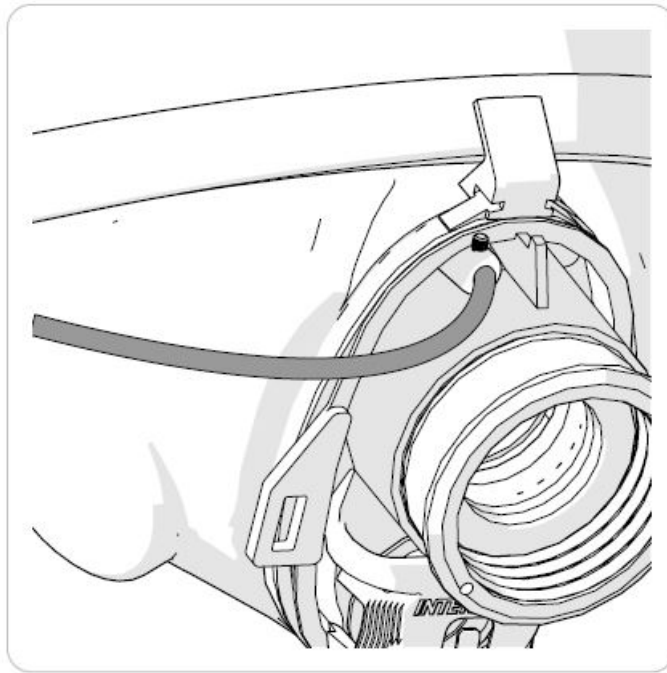


Install microphone on N/PE/ESA mask with new cover

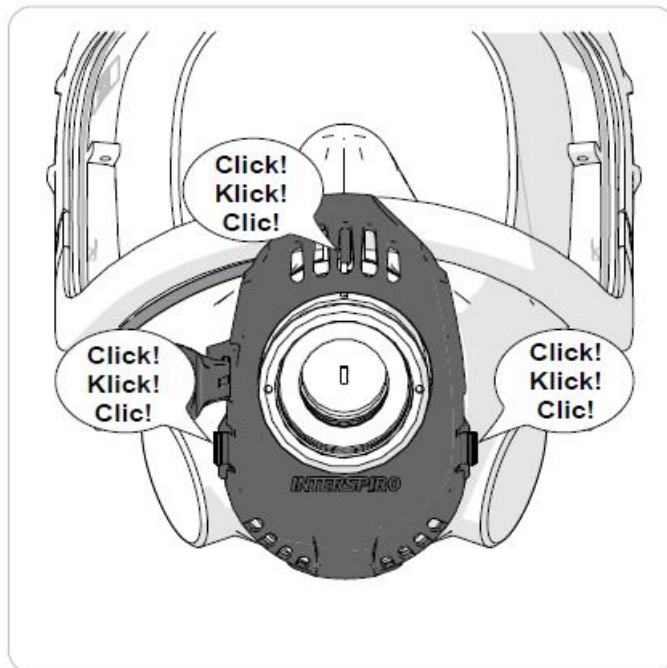
1. Remove the mask cover by pushing the locking tabs.



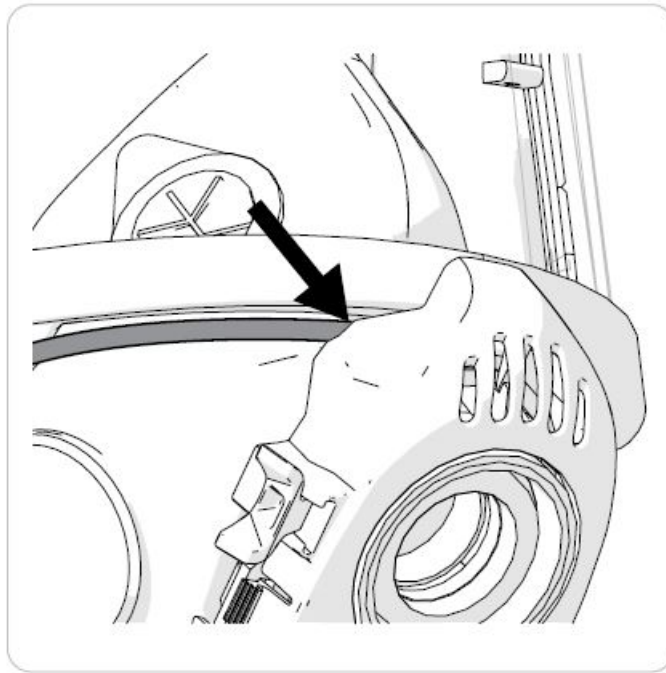
2. Put the microphone into the front piece of the mask with the stop screw touching the edge.



3. Put on the mask cover.

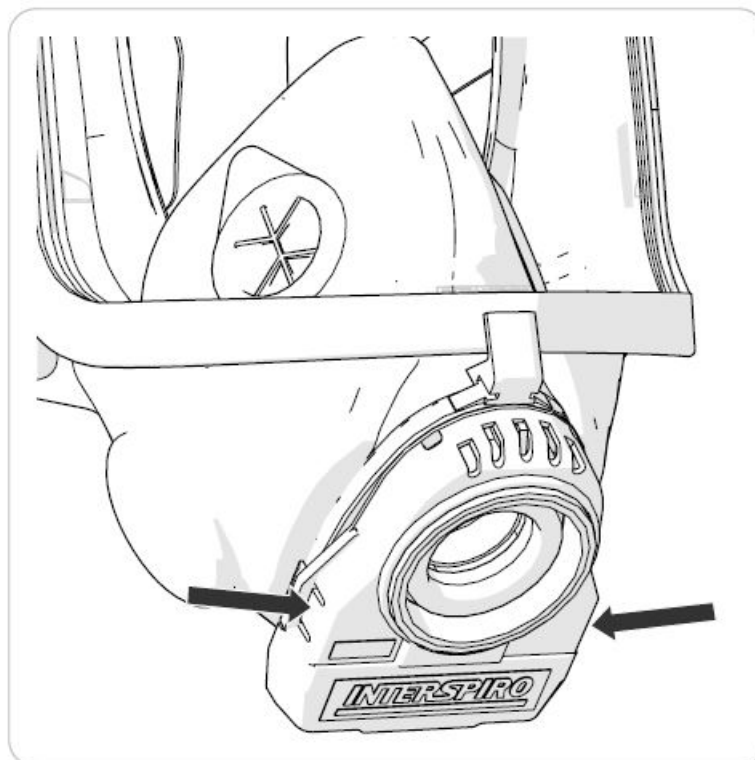


4. Make sure the microphone cable is correctly installed between the cover and the mask.

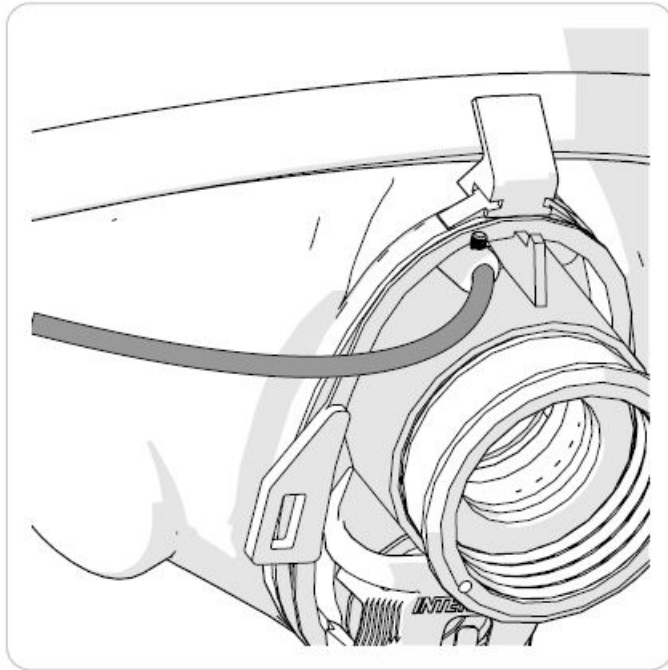


Install microphone on N/PE/ESA mask with old cover

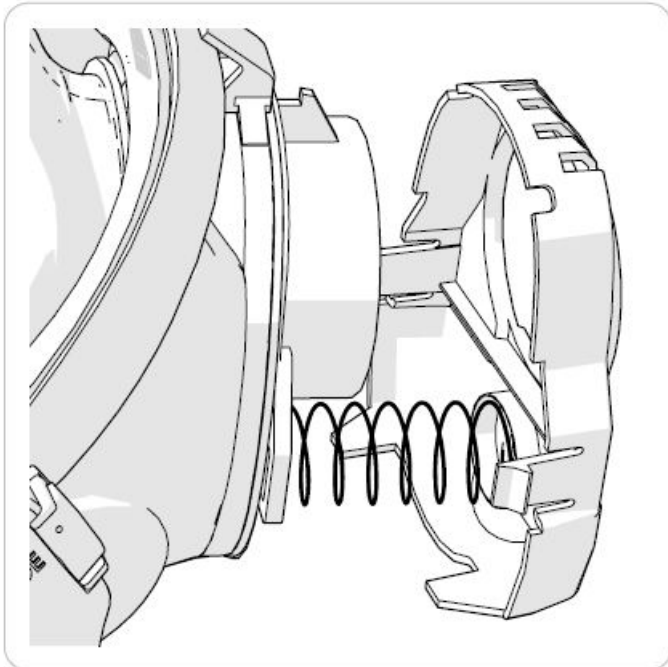
1. Remove the mask cover by pushing the locking tabs.



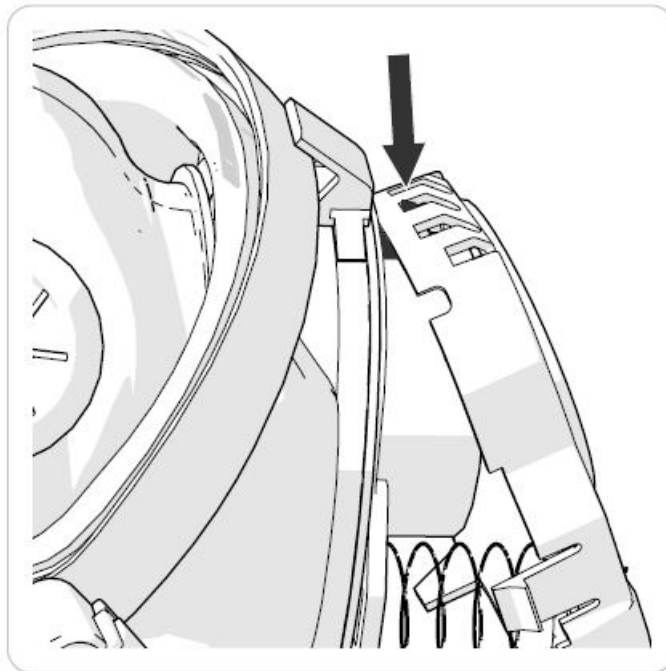
2. Put the microphone into the front piece of the mask with the stop screw touching the edge.



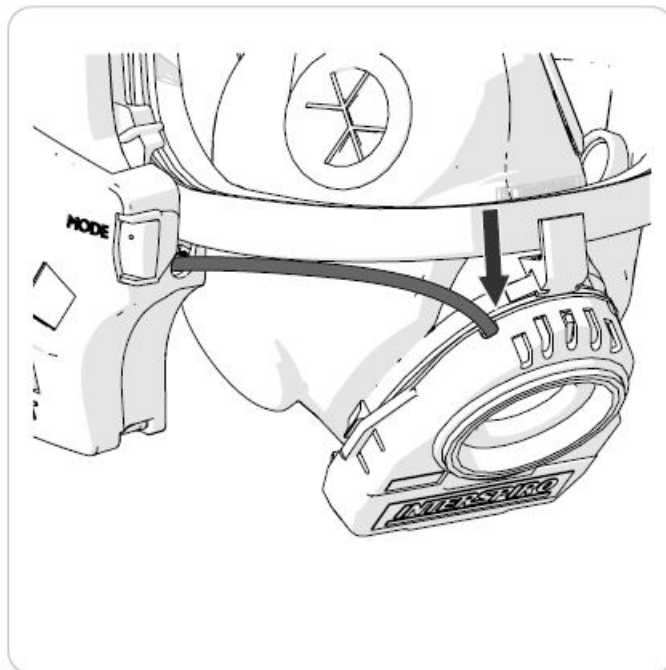
3. Put the outer end of the exhalation valve spring in the circular cavity on the inside of the mask cover.



4. Insert the upper “hook” of the connector into the middle hole (in the upper part) of the mask cover.



5. Push the lower part of the mask cover towards mask until it locks. Make sure the microphone cable is correctly installed between the cover and the mask.



During use

Power on the Spirocom

1. Push the MODE button for 3 seconds and then release it. The display first shows the battery power level (ex. "b4") then shows the group number.
2. If the unit does not start or the display shows "LO", replace the batteries.

Battery power level

The remaining battery level is shown in the display when turning on the power on the Spirocom. It has five levels described below.

- b4 = > 75% battery power remaining.

- b3 = 50% – 75% battery power remaining.
- b2 = 25% – 50% battery power remaining.
- b1 = < 25% battery power remaining.
- b0 = Less than 2 hours of battery power. Change batteries when this level is reached. When the batteries reaches this level during use, the LED indicator starts flashing red and two dots are shown on the display.
- Lo = The battery power level is too low. Replace the batteries to start the unit.

Team talk function

- The SpiroCom is started with the last used group number.
- To change the group number, push the PTT button one time for each step. The group number can be changed within 5 seconds from powering up the SpiroCom.
- When SpiroCom connects to a group “connected” is heard in the ear speaker and the group number remains lit in the display.
- If the group number must be changed after the SpiroCom has been connected to a group it needs to be restarted.

Long range radio transmission (PTT)

1. Lift and hold the PTT button to start a transmission.
2. Wait until the LED indicator shows a red light and a beep is heard in the ear speaker – now you can speak.
3. Release the PTT button to end the transmission.

Adjusting the volume

The volume in the ear speaker can be adjusted with the MODE button. There are 5 volume levels and the default level is 3 (medium).

1. Push and hold the MODE button 3 seconds until “Volume” is heard in the ear speaker.
2. Push the MODE button to increase the volume one level. The new volume level is indicated with a beep in the ear speaker. When the highest volume level is reached this is indicated with two beeps.
3. If the MODE button is pushed when at the highest volume level – the SpiroCom steps to the lowest volume level.

Mute function for Team Talk

The microphone of the Spirocom can be muted (switched off) for Team Talk with the MODE button.

Mute: Push and hold the MODE button (approximately 5 seconds) until the LED indicator starts flashing red and “Mute on” is heard in the ear speaker.

Unmute: Push and hold the MODE button (approximately 5 seconds) until the LED indicator stops flashing and “Mute off” is heard in the ear speaker.

Power off the Spirocom

1. Push and hold the MODE button (approximately 7 seconds) until the display shows “- -” and the LED indicator shows a red light.
2. Release the MODE button. The Spirocom will automatically power off after 15 minutes, if no sound is detected

by the microphone.

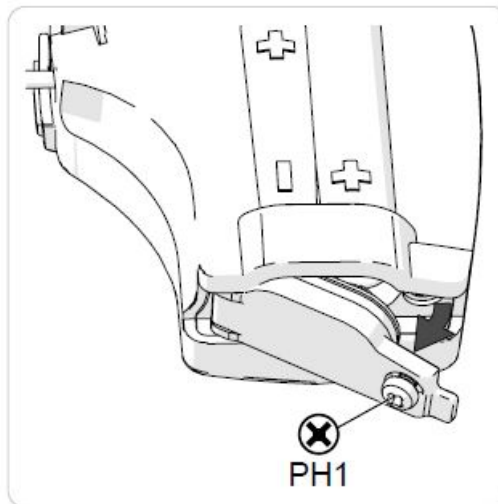
After use

Battery replacement

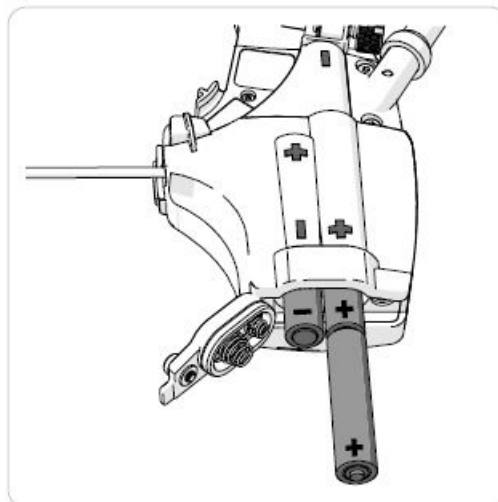
WARNING: Batteries must only be changed in an area known to be nonhazardous.

NOTICE: Always use the specified AAA alkaline batteries “Duracell MN2400” or “Energizer E92”. Interspiro assumes no liability for mechanical, electrical or any other type of battery failure. Do not mix different brands of batteries and do not mix old and new batteries. Cold conditions during storage and use will decrease battery life.

1. Loosen the screw with a screwdriver and open the battery cover lid.



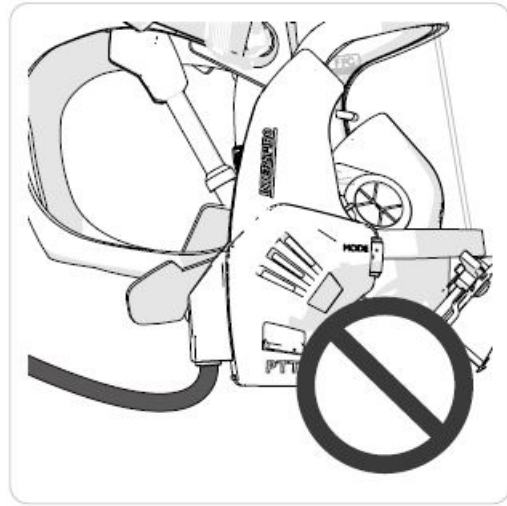
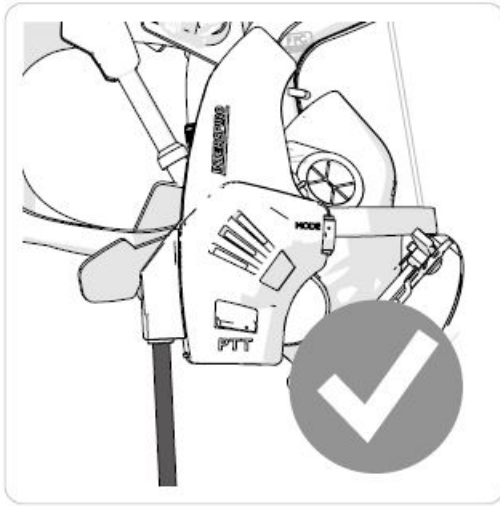
2. Remove the old batteries.
3. Put in new batteries. Make sure the batteries are correctly installed, as shown on the back of the Spirocom.



4. Close the battery cover lid and tighten the screw moderately.

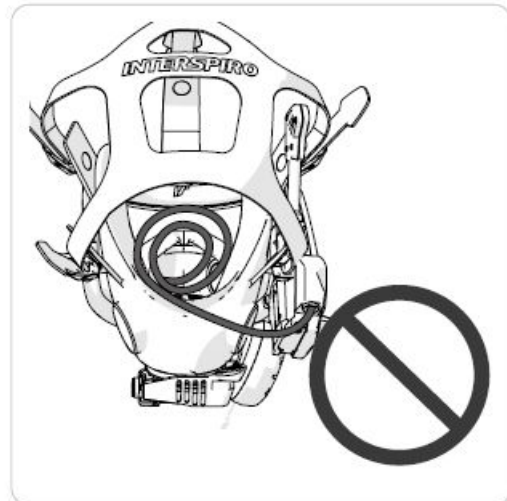
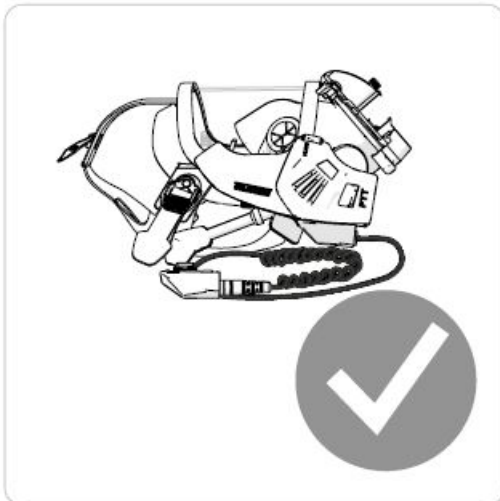
Handling the cable

The cable must be handled with care. Do not twist or bend it too narrowly.



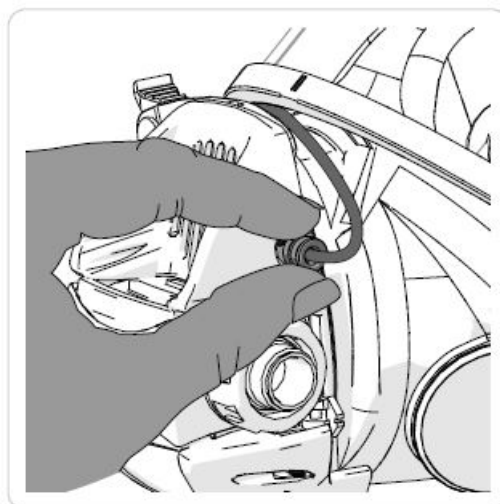
When storing the Spirocom:

- Lay the cable carefully under the mask while checking that it has not been twisted or bent at the connection. Do not push the cable into the mask for storage as this both twists and bends the cable at the connection, which may cause damage to the cable and reduce its service life.



Cleaning and drying


1. Make sure to hold on to the microphone when removing it from the mask. Do not pull the cord.



2. Clean the Spirocom with a moist sponge, if needed use a mild detergent.

3. Let the Spirocom dry in an upright position.

Documents / Resources

 <p>DEUTSCHE BRUNNEN FACHGEBIET FACHGEBIET FACHGEBIET</p> <p>Spirocom XL User Manual • Gebrauchsanweisung • Manual d'usage • Anleitung</p>	<p>INTERSPIRO Spirocom XL Communication System [pdf] User Manual Spirocom XL, Communication System</p>
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