

Savox communications

SAVOX HC-1(2) helmet-com user guide

SAVOX® HC-1(2) Helmet-com® unit with bone conduction microphone

Product description

The SAVOX® HC-1(2) is a durable and light weight helmetcom unit for professionals working in extreme and hazardous conditions. The SAVOX® HC-1(2) provides instant, clear and reliable "hands-free" communication, increasing personal safety and work efficiency, allowing full concentration on the actual task.

Thanks to the unique arm/strap fastening system the SAVOX® HC-1 easily mounts in almost any type of helmet without any tools. The HC-2 is the dual speaker version that mount in helmets particulary prepared for communication.

The convenient bone conduction microphone is voice sensitive and makes a perfect combination with a breathing mask. The SAVOX® HC-1(2) is the ideal communication solution for fire and rescue, special task operations – simply whenever using a helmet. The SAVOX® HC-1(2) connects to most SAVOX® comcontrol/PTT units adapting to most types of two-way radios.

The unit consists of the following parts/functions:

- 1. Bone conduction microphone
- 2. Speaker(s)
- 3. Detachable arm (HC-1)
- 4. Flexible strap (HC-1)
- Cable with quick release plug compatible with most SAVOX with most SAVOX com-control units

Helmet specific mounting kit (HC-2)

- for MSA/Gallet helmet included
- for Dräger helmet available



Installation of the SAVOX HC-1 into the helmet:

- Choose the side of the helmet on which you prefer to have the unit.
- Push the flexible strap (4) behind the headband of the helmet, or similar type of framework (fig.1). (Alternatively slide the flexible strap through a proper slot to the other side of the arm and then carefully slide the arm behind the headband (fig.2).)
- When positioned in the helmet, weave the flexible strap (4) through an appropriate slot in the arm (3). Finally, weave the flexible strap (4) to the backside of the arm (3).
- It is important that when the helmet is on your head, the slots you have used keep the unit steady and that the speaker is positioned on your ear.

Installation of the SAVOX HC-2 to the MSA/Gallet/ Drägerhelmet: (using specific mounting kit)

Speakers

- Mount the speaker on the left side of the helmet using fixing clip marked L. Mount the Left side speaker so that the cable, going to the push-to-talk unit goes backwards and the cables for the microphone and the right side speaker goes forwards. Assure that the speaker sink into the spacing between the cushion and the mounting slit. In some helmets it might be necessary to press the cushion with the thumb aside a little (fig.3).
- Mount the speaker on the right side of the helmet using fixing clip marked R. Thread the Right side speaker between the harness and the inner liner of the helmet to the right side. Mount the right side speaker into the slit on the right side of the helmet. Turn the speaker in such way that the cable is going upward out of the speaker. Finally place the cable connecting the speakers to the rear of the helmet, lift the cushion and feed the cable underneeth the cushion (fig.4).

Microphone

• Clean the inside of the helmet under the net with grease solvent. Threadthe microphone (1) under the sweatband and the harness of the helmet.

- If a face mask with quick helmet fastenings is used, place the microphone in the center of the inside of the helmet. If a face mask with rubber strap fastenings is used, place the microphone 3-4cm of the center to the left side so that the center strap of the face mask does not get in between the microphone and the skull.
- Remove the paper from the Velcro disc. Lift up the harness of the helmet and place the microphone on the best suitable spot and press down to glue the Velcro (fig.5).

Strain-relief

Clean the inner surface of the helmet, underneath the left side cushion with grease solvent. Remove the paper of the anchor part of the strain relief. Place the anchor part approximately 1cm of the edge of the helmet behind the cushion and press down to glue. Place the cable leading to the Push-To-Talk unit in the sinking of the cushion. Fasten the cable with the bundle-tie to the anchor part of the strain-relief (fig.6).

NOTE!

- Make shure that the headband of the helmet is correctly adjusted and that the chin strap is correctly adjusted and allways in use .The speaker(s) and the microphone of the SAVOX® HC-1(2) are sensitive parts. Always handle with care.
- SAVOX Communications Ltd strongly recommends to (detach or) take the SAVOX® HC-1(2) off the helmet when two-way radio communications is not needed.
- SAVOX Communications Ltd is not responsible for any possible damages caused to any other equipment or clothing when using the SAVOX® HC-1(2).







Figure 1 Figure 2 Figure 3

Interconnection/Use

- Make sure that the battery of the radio is fully charged.
- Connect the radio interconnection cable of your SAVOX® com-control/PTT unit to the radio.
- It is preferable to wear the equipment inside clothing where it is protected from the environment.
- \bullet Connect the quick release connector plug of the SAVOX® HC-1(2) to the jack of the SAVOX® com-control/PTT unit.
- · Switch your radio ON.
- Adjust the volume of the radio to a suitable level
- Press the Push-To-Talk button to verify that the two-way communication is working

Cleaning

The unit can be cleaned with a wet sponge or brush and diluted dish washing detergent. Clean the connectors with some high-class Vaseline spray (SAVOX recommends PRF BAJOL, manufactured by Taerosol, (www.taerosol.com) or similar type of lubricant. CAUTION! Do not apply solvent or similar caustic chemicals!









Figure 4 Figure 5

Figure 6

WARRANTY

- 1. SAVOX grants a 16 month guarantee for its accessories which period beings from the date of sales to the original purchaser. This includes warranty repairs orreplacement, whichever is of lower cost, of equipment or parts.
- 2. The defective products or parts should be sent to the manufacturer or to an authorised service repair center intact i.e. for any products that have been opened in a service attempt by an unauthorized service repair shop or by the owner/user the warranty is void. Costs of transportation are not included in the warranty service.
- 3. Damages which are caused by improper use or handling, storage or transportation are excluded from the warranty.
- SAVOX is not liable for any damages caused by failure of the SAVOX product during operation.
- 5. In other respects, the warranty conditions set forth in the NL92 will apply.

LIMITED WARRANTY FOR THE UNITED STATES OF AMERICA AND CANADIAN MARKETS ONLY.

SAVOX Communications Inc.("SAVOX") warrants that the SAVOX com-control ("the Product") will be free from defects in material or workmanship as follows:

For a time period of one (1) year from the date of purchase, SAVOX will repair or replace the Product (repair or replacement to be at SAVOX's sole discretion) if it is determined to be defective.

For an additional one-year period from the date of purchase, SAVOX will provide replacement parts or replace the Product (repair or replacement to be at SAVOX's sole discretion), however, the customer will be responsible to pay labor charges during the second year of the limited time warranty.

There are no warranties that extend beyond the limited warranty set forth above.

Certain distributed products are warranted and serviced by their original manufacturer. Please consult with your Dealer for details. During the labor warranty period, to repair the Product, Purchaser may return the defected Product, freight prepaid, or deliver it to the designated SAVOX authorized service center, the address of which can be found at www.savox.com. SAVOX is not obligated to provide the Purchaser with a substitute unit during the warranty period or at any time.

CONDITIONS

1. Notification of Claims: Warranty Service: If purchaser discovers that the Product has proven defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to SAVOX but all claims for warranty service must be made within the warranty period. If after investigation SAVOX determines that the reported problem was not covered by the warranty, Purchaser shall pay SAVOX for the cost of investigating the problem at its then prevailing time- and materials rate. No repair or replacement by Purchaser of any Product or part thereof shall extend the warranty period as to the entire Product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of the part or the remaining period of the Product warranty, whichever is greater.

- 2. Exclusive Remedy: Acceptance: Purchaser's exclusive remedy and SAVOX's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the applicable warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts. If repair or replacement fails to remedy the defect, then and only in such event, shall SAVOX refund to Purchaser the price for such Product. Purchaser's failure to make a claim as provided in Paragraph 1 above or continued use of the Product shall constitute an unqualified acceptance of such Product and waiver by Purchaser of all claims thereto.
- 3. Exceptions to Limited Warranty: SAVOX shall have no liability or obligation to Purchaser with respect to any Product subjected to abuse, improper use, negligence, accident, modification, failure of the end-user to follow the operating and maintenance procedures of the procedures outlined in the user's guide, attempted repair by nonqualified personnel, operation of the unit outside of the
- published environmental and electrical parameters, or if such Product's original identification (trademark, serial) markings have been defaced, altered, or removed, SAVOX excludes from warranty coverage. Products sold AS IS and/ or WITH ALL FAULTS and excludes used Products which have not been sold by SAVOX to the Purchaser.
- A. Proof of Purchase: The authorized Seller's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility.

Disclaimer of warranty

Except for foregoing warranties, SAVOX hereby disclaims and excludes all other warranties, express or implied, including, but not limited to any and/or all implied warranties of merchantability, fitness for particular purpose and/or any warranty with regard to any claim of infringement that may be provided in section 2-312(D) of the uniform commercial code and/or in any other comparable state statute. SAVOX hereby disclaims any representations or warranty that the product is compatible with any combination of non-SAVOX products purchaser may choose to connect with the Product, including without limitation, portable two-way handheld transceivers and interface products.

Limitation of liability

SAVOX is not liable for any Purchaser's sole and exclusive remedy for damages for any claim of any kind whatsoever. Regardless of the legal theory and whether arising in tort or contract, shall not be greater than the actual purchase price of the product with respect to which such claim is made. In no event shall SAVOX be liable to purchaser for any special, indirect, incidental, or consequential damages of any kind including, but not limited to compensation, reimbursement or damages on account of the loss of present of prospective profits or for death, personal injury or to property damage or for any other reason whatsoever. Purchaser agrees that the cost of the Product is a reasonable measure of Purchaser's damage in the event of a claim for damage made by the Purchaser based upon the circumstances existing at the time of the sale of the product in light of anticipated or actual harm.

This Product is for commercial use.

Design and manufacturing:

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www.savox.com

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