



HEADSET INSTRUCTIONS AND USER GUIDE

HSP-5 & 7 SERIES

Thank you for choosing a quality communications Headset from Mobile One Australia. This Headset has been designed and developed to maximise comfort, to provide superior electronic communications and to ensure excellent hearing protection within environments of high ambient noise.

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CERTIFICATION DATA

Mobile One headsets are approved to comply with AS1270 -2002, Acoustics - Hearing Protectors. NOTE: The headsets must be selected, used and maintained according to AS 1269.

These instructions must be followed if the headset is expected to perform as indicated by the SLC80 rating in the chart below:

MODEL No.	SLC80 RATING	CLAMP FORCE	MASS	FREQUENCY Hz	125	250	500	1000	2000	4000	8000
HSP-5	28	11	400	MEAN	15.7	19.5	27.6	30.6	35.0	38.3	46.3
				STD. DEVTN.	4.7	3.2	3.7	3.9	3.7	3.6	4.7
				MEAN – STD. DEV.	11.0	16.3	23.9	26.7	31.3	34.7	41.6
HSP-7	28	11	376	MEAN	15.4	19.5	26.3	30.3	35.3	37.9	40.2
				STD. DEVTN.	4.4	2.7	2.7	3.8	2.8	4.4	4.5
				MEAN – STD. DEV.	11.0	16.8	23.6	26.5	32.5	33.5	35.7

***According to the Class rating system: The HSP-5 Headset is a Class 5
The HSP-7 Headset is a Class 5***

WARNINGS

This headset will only provide the hearing protection as indicated by the SLC80 rating when it is maintained in good working order and fitted correctly. Other factors affecting the noise attenuation characteristics of the headset are items which affect the seal between the Ear Cushion and the head e.g. thick framed glasses, protective clothing such as balaclavas, thick beards, etc.

It is vitally important that you give consideration to the sound output produced by the earphones in the headset itself. You must ensure that the volume setting of the radio, or other connected device, is adjusted to a safe listening level as there are no output limiting devices included within the electronic circuitry of the headset.

For correct care of this Headset, you must refer to the care and maintenance Instructions on page 8.

FITTING INSTRUCTIONS

The purpose of this Headset is to:

1. Protect your hearing
2. Provide electronic communications

Correct fitment of the Headset to your head is vital for maximum hearing protection and to optimise communications ability.

A CORRECTLY FITTED HEADSET



Figure A



Figure B

NB: The Headset Ear Cups must be fitted over your ears covering and enclosing them completely

PARTS OF A HEADSET

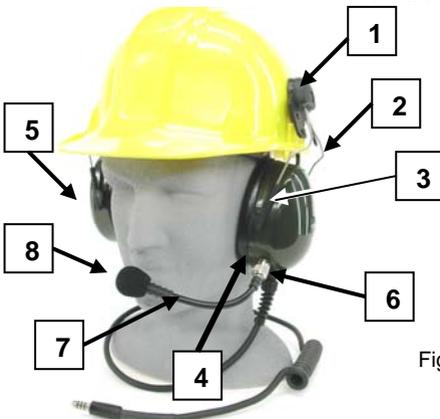


Figure C

1. Hardhat Adaptor Plate
2. Ear Cup Arms
3. Plastic Slide
4. Ear Cushion
5. Ear Cup
6. Microphone (Mic.) attachment socket
7. Mic. Boom
8. Mic. Head

STEP BY STEP USER GUIDE

NOTE: The Headset is intended to be worn with the microphone and cable on the wearer's left hand side.

STEP 1 Fitting the Mic. Boom



Fit the Microphone Boom assembly to the mounting socket located on the **Left Side** Ear Cup (cable side).

Rotate the collar clockwise whilst screwing onto the socket on the Ear Cup. Firmly **finger-tighten** only.

Partly bend the boom to where you estimate your mouth will be, ensuring the **Yellow Dot** is facing **towards the mouth**.

Figure 1.0

STEP 2 Fitting the Headset onto the Hardhat (Typical)

Insert the Hardhat Adaptor Plate for each of The two Ear Cups into the slot provided of each side of the Hardhat. This can be easily done by using your fore finger and index finger as an anchor and firmly pushing in with your thumb until the Adaptor locks into place. Check that they are correctly locked in by trying to pull them out again. The adaptors should remain firmly in place. Ensure that Ear Cup with Mic. is fitted to the left side of hardhat.

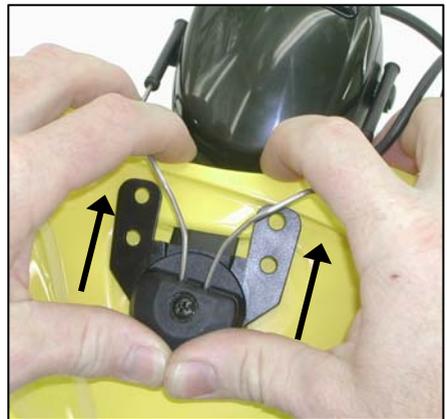


Figure 2.0

STEP 3 Placing Inter-Cup Cable inside the Hardhat

- a) With your thumb as an anchor point, use your fore finger and index finger to push out and remove the two rear clips that support the harness within the Hardhat. See figures 3.1 & 3.2.



Figure 3.1



Figure 3.2

- b) Place Inter-Cup Cable inside Hardhat as shown in figure 3.3. Ensure the cable is an even length at both sides, see item (b). Replace the rear two clips of the harness into their mounting points as shown in figure 3.4 by reversing process a) above. NB. This cable is intentionally long to cater for different mounting alternatives



Figure 3.3

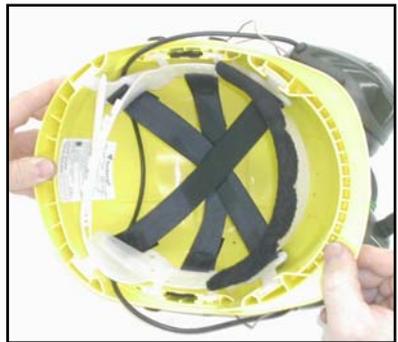


Figure 3.4

STEP 4 Putting on Hardhat and Headset

The Ear Cups can be 'clicked' into two positions when mounted onto a Hardhat:

1. **Disengaged** – Cups positioned outward away from head (figure 4.1 & 4.2).
2. **Engaged** – Cups positioned inwards against the head (figure 5.2 bottom right)

To put on the Hardhat with Headset, first click both Ear Cups outward to the Disengaged position (figure 4.1). Then simply place the Hardhat on your head with the Mic. on the left side. See Figure 4.2. (N.B. Also check hardhat manufacturer instructions for fitting)



Figure 4.1



Figure 4.2

STEP 5 Engaging Ear Cups

- a) To engage, place one hand on each of the Ear Cups and, together, simply push firmly inwards towards the head. The Ear Cups will both click into place against your head.
- b) Continue to push Ear Cups firmly against head and hold for 2 to 3 seconds. This expels excess air from the Ear Cushions making them more comfortable and helping to provide better hearing protection. See figure 5.1 and 5.2.



Figure 5.1



Figure 5.2

STEP 6 Adjusting Ear Cups for comfort

a) Figure 6.1 below illustrates how the black Adjusting Slides can be moved up or down on the Headband. This allows you to adjust the position of the Ear Cup to provide better comfort and a more efficient seal on the head to keep out noise.

b) Utilising the up / down adjusting slides, with one hand on the Hardhat (as shown in Figure 6.2), move the Ear Cups up or down so that they completely cover your ears and fit comfortably. Try to make similar adjustments for each Ear Cup so that they sit evenly on both sides. Repeat procedure in Part b) of Step 5 previous page, of pushing and holding Ear Cups to improve comfort and hearing protection.



Figure 6.1



Figure 6.2

STEP 7 Adjusting the Mic. For maximum clarity

(7a) ADJUSTING MIC. DISTANCE

Microphone must be positioned as close to the lips as is comfortable. This provides better voice clarity. See Figure 7.1.

**Maximum Distance
From lips = 5 mm**



Figure 7.1



Figure 7.2

(7b) ADJUSTING MIC. POSITION

Adjust windsock (Microphone) to be directly in the centre of the mouth opening. Ensure that the Yellow Dot is facing toward your mouth. See figure 7.2

STEP 8 Checking electronic operation

Check Earphones (speakers)

You should hear sound from your radio in both Ear Cups. If this is not the case, check the connection to the communications device or that the device is operating properly.

Check Microphone

Check that the speech you are attempting to transmit is reaching the intended person clearly.

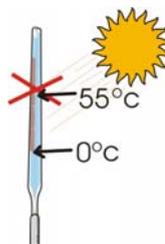
Caution: Do not set the volume level of the radio, or other connected device, too high! See paragraph 2 of **Warnings** on page 2

CARE & MAINTENANCE

We recommend that your headset be cleaned regularly, by wiping with a damp sponge containing mild soap and water. Pay special attention to the Ear Cushions to ensure removal of perspiration and skin oils which can reduce the service life of the Cushions. These areas of the Headset that come into contact with the wearer's skin should also be regularly disinfected using isopropyl alcohol wipes.

When cleaning **DO NOT** allow water to enter the Ear Cup assemblies or any part of the Microphone Assembly. **UNDER NO CIRCUMSTANCES SHOULD YOU IMMERSE THE HEADSET IN WATER.**

IMPORTANT: This Headset should not be stored in direct sunlight or temperatures above 55 degrees C. as distortion of the Ear Cushions may occur.



To maintain the noise attenuation properties of the Headset, the Ear Cushions (see Figure 8.0, item 4) should be replaced every six months and the inner foam and spacer assembly (see Figure 8.0 , item 3) every twelve months. More frequent replacement of these items may be required if the Headset is being used under extreme conditions. Inspect the headset regularly for signs of damage or wear.

PARTS REPLACEMENT (See items 1 – 4 pictured in Figure 8.0)

To remove and replace MIC. BOOM (item 1) see the “Fitting Instructions - Step 1” and simply reverse the process by unscrewing, counter clockwise, the knurled nut at the base of the MIC. BOOM.

The EAR CUSHIONS (item 4) are removed by placing one or two fingers inside the Ear Cup and under the Cushion’s rigid plastic plate. Pull the Ear Cushion away from the cup. The new Cushions just clip back into place under the lip around the circumference of the Ear Cup opening. Ensure the Ear Cushion plate has seated and clipped-in properly before use.

The INNER FOAM ASSEMBLY (item 3) also supports the earphone and care should be taken not to damage the wiring. With the Ear Cushions removed, carefully take out the foam wafer and pull apart the two bottom layers where the wires enter. Carefully remove the Earphone. Place the Earphone into the new foam, remove paper cover and press both layers together. Install foam back in cup and replace Ear Cushion.

The WIND SOCK (item 2) is the black foam cover on the Mic. Head at the end of the Mic. Boom. To remove, simply pull the Wind Sock off the end of the Mic. Boom and gently push the replacement Wind Sock over the Mic. Head again.

HEADSET PARTS – EXPLODED VIEW



Figure 9.0

REPLACEMENT PARTS LIST

Order Code	Description
HSP-FCK	Hygiene Kit (includes items 3 & 4)
MB102	Microphone Boom (includes items 1 & 2)
WSS2	Replacement Wind Sock for Mic. Head (item 2)

WARRANTY

WARRANTY STATEMENT

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is given by Mobile One Australia Pty Limited, ABN 44 001 885 696, Camden Airport Camden NSW 2570 Ph 02 4655 6677

The benefits conferred by this warranty are in addition to all other rights and remedies in respect of the product (or service) which the consumer has under the Australian Consumer Law and any other law in relation to goods and services to which this warranty relates.

Any Mobile One Australia Pty Limited product that fails due to manufacturing defects will be repaired or replaced as follows:

General Aviation & Helicopter Headsets

Three (3) full years from date of purchase

Intercoms, Headsets other than above & Accessories

One (1) full year from date of purchase

Base, Mobile Antennas & Accessories

Five (5) full years from date of purchase

What this warranty does not cover

All headset inner foam assemblies windsocks & ear pads.

Goods that have been modified or altered in any way.

Defects or damage resulting from misuse, accident, impact or neglect.

Goods improperly installed or used contrary to the relevant user guide.

Unauthorised service and or repairs.

How to make a warranty claim

Before the end of the applicable warranty period (see above) return the goods at your expense together with details of the defect, proof of purchase and your contact details.

Subject to accepting your claim, we will return your repaired or replacement product back to you by the best shipping method at our cost.



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M1Warranty 2012 rev1

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