

Operating Instructions

The MC450 Micro Communicator is supplied in discrete parts, which are easily assembled.

The parts you have are:

- | | |
|----------------------------------|-------|
| 1. Ear-driver assembly | EDA-1 |
| 2. Cable and switch assembly | CAS-1 |
| 3. Medium Length Boom Microphone | BS-M |

Supplied Accessories:

- | | |
|-------------------------|--------|
| Cable Clip | CC-2 |
| Set of 6 Ambiduct Ports | ADP-1 |
| Hygiene Wipes | HW-1 |
| Wax Pick | WP-1 |
| Pop Filters | POP-10 |

Optional Accessories (to facilitate optimum mic/mouth positioning)

- | | |
|-----------------------|------|
| Short Microphone Boom | BS-S |
| Long Microphone Boom | BS-L |

Assembling the Micro Communicator

No tools are required for assembly as everything is either a push or snap fitting.

Start with the Ear-driver. Take the ear mould and locate it on the ear driver so that the cable three-pin connector is aligned with the crux of the ear mould see fig.1. The mould has two locating points, which keep it in the correct position. Snap the mould into place.

Crux

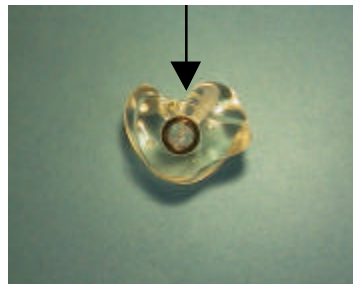


Fig 1

Take the microphone boom assembly, line it up and push it in to place. There is only one way this can be fitted.

Next insert the cable and switch assembly, line up the red dots and push it into place (fig 2).



Fig 2

Your Micro Communicator is now fully assembled.

Fitting the Micro Communicator

Hold the Micro Communicator between your thumb and forefinger and insert it into your ear. This will take a bit of practise to do for the first time but like riding a bike; once you have got the hang of it, it will become second nature! It may help to place a small amount of hand/face cream on the surface of your ear. It is important that the helix (the part which fits at the top of your ear) is in place.

The cable should be positioned behind the ear and formed so that it falls down past your neck. It is then your choice how the cable is routed to the phone. A cable clip is provided with the kit to secure it in place. This is usually used on the lapel or neck of a jacket.

Connect the Micro Communicator in to the phone via the 2.5mm jack. The switch box has been designed to fit into the palm of your hand and has a control box with a latch on/latch off microphone mute button and a volume control. It also has a heavy duty clip that can be firmly attached to clothing such as a jacket lapel.

Using the MC 450 Micro Communicator

Now that you have the Micro Communicator in your ear and you are comfortable with it, it is important to become familiar with the microphone and how to use it. The microphone is a highly effective noise-cancelling unit that will work in very high-noise environments without being sensitive to ambient noise and the positioning of the microphone relative to your mouth is important. Swivel the boom using your thumb and fingers so that the microphone pod is over your mouth. The boom will now need to be positioned in front of your mouth that requires the boom to be formed to the optimum position. This is 10 – 20mm (1/2 – 3/4inch) between the corner and centre of the mouth. The boom can be profiled by carefully forming the boom using two fingers and pressing with the thumb. This will gently form the boom to a similar profile to the face. If the microphone pod is too short or too long to reach the correct position you must fit a longer or shorter microphone boom. These are available from your dealer or technical department. Please be careful with all of these adjustments; the MC 450 is an ultra-lightweight headset and excessive force may cause damage.

NEVER POSITION THE MICROPHONE BY GRABBING THE POD.

Foam "pop" filters are fitted into the microphone housing. These should be replaced when soiled by simply extracting them with tweezers and inserting new ones making sure they are tucked under the rim of the moulding.

Use of the Ambiduct™

The Ambiduct port is a unique feature of the Micro Communicator and is designed to "bleed" an amount of ambient noise into the ear canal. It is a small hole located in the boom swivel and serves to make the user aware of noises or conversations around them. The Ambiduct port can control the level of ambient noise that can be let in by selecting one of the 6 compensation slugs supplied with the unit. These range from infinity (closed) to fully open and the amount of noise bleed can be determined in use. When using the Micro Communicator, if it is necessary to fully close the Ambiduct (low-level call etc.), just place your finger over the port. As a guide it is best to start with the smallest diameter and work up until you find the size you want to work with.

Ear Mould Drilling and Locating Instructions for the Ear-mould lab

1. Cast a normal solid lucite earmould with a ring and spring insert.
2. Plug drilling jig into ring and spring with peg facing you and the arrow pointing to the crux of the earmould.
3. Drill through the guide hole to a depth of 0.100 inch with a 0.080 inch diameter drill.
4. Reverse jig ensuring that the peg locates in the previously drilled hole.
5. Drill through the guide hole to a depth of 0.100 inch
6. The mould should now be ready to be fitted to the Micro-Communicator