

Crescendo 20 plus Personal Communication System

Introduction

The Personal Communication System is an easy to use amplifying system for use by hearing impaired people with or without a hearing aid. The system can also be used to check the operation and function of fixed or portable loop installations.

With one simple volume control the user's volume can be easily varied without affecting others. An "in built" microphone makes the system ideal for general conversation where trailing wires can be a nuisance. A microphone with 4 metre lead can be used to get right to the sound source e.g. television or Hi-Fi etc. A 3 position tone control allows you to boost the high or low frequencies to suit your needs. A loop pick up facility allows you to receive loop signals without using a hearing aid.

The system is supplied ready to use with an alkaline battery, Stethoscope headset HS5, neck loop and 4 m microphone with tie clip and Velcro pads.

The system is designed for use by hearing aid and non-hearing aid wearers alike with the stethoscope headset or by hearing aid users, whose hearing aid has the loop or 'T' facility, with the neck loop.

The output is suitable for use with most types of headphones with an impedance of 32 ohms and fitted with a 3.5mm STEREO jack plug.



Product conforms to the provisions of the following European Union Directives :

- 89/336 & 92/31 Electro Magnetic Compatibility Directives
- 93/68 CE Marking Directive

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WARNING : The sound output levels from this system can be very high. It is recommended that the volume control should be turned to the "OFF" position before changing the battery or plugging in or unplugging the headphones or microphone.

Instructions for use

- Either** – Switch the two position microphone switch on the side to *<Int>* to use the “in-built” microphone.
Or – Plug the 4 metre lead microphone into the socket marked *<Mic>* and switch the two position microphone switch on the side to *<Ext>*. Either the tie-clip or self-adhesive Velcro pads can be used to attach the microphone to the wearer or equipment
- Either** – Plug the headset into the socket marked *<Phones>* and place them over your ears.
Or – Plug the neck loop into the socket marked *<Phones>* and switch your hearing aid to the “T” or “MT” position and place the neck loop around your neck.
- The amplifier is fitted with a 3 position switched Tone control on the side. In the *<High>* position the amplifier will emphasise the higher frequency range and in the *<Low>* position the lower frequency range. In the *<Norm>* position the high or low frequencies are not emphasised.
- To receive signals from a loop system switch the two position microphone switch to *<Ext>* and unplug the 4 metre lead microphone (if used). This allows the internal pick-up to receive signals from an inductive loop system installed for use by hearing aid users. This is like a hearing aid switched to the “T” position. It may be necessary to turn or move the amplifier to get the best signal.
- Remember to switch off the amplifier when not in use by turning the knob fully anti-clockwise, when a "click" will be felt.

The product should give a long and trouble-free service if the following points are observed.

- Keep the unit clean with a damp cloth should the unit require cleaning.
- Treat the headset and microphone leads carefully, they are quite thin in order to be convenient and comfortable to use.
- DO NOT wrap the leads around the amplifier.
- DO NOT leave leads trailing across the floor to be tripped over.

Battery Changing

To change the battery in the amplifier, turn it over and whilst pressing down, slide the battery cover in the direction of the arrow. The old battery can now be removed by turning the unit

over and tapping gently. Unclip the connector from the battery. Fit a new battery making sure that the wires are tucked out of the way. Slide the battery cover into place.

Battery type : **Alkaline** PP3, MN1604, or equivalent. We would suggest that batteries are bought from a reputable shop with a reasonable turnover to ensure "fresh" stock. The amplifier **must** be fitted with an alkaline battery.

Mains Adaptor

The amplifier may be used with a mains adaptor, please contact your dealer for the correct adaptor. If the mains adaptor is to be used exclusively, please remove the battery to prevent leakage and damage to the amplifier. The adaptor should be unplugged when not in use. If another type of mains adaptor is used damage could be caused to the equipment if inappropriate voltages, currents or polarity are used.

Problems and Cures

Problem	Cure
No Sound	<ul style="list-style-type: none">• Headset or Neck Loop & microphone in wrong sockets - change round.• Battery exhausted - fit new battery.• Microphone switch in wrong position - set to <i><Ext></i> to use with 4m lead microphone or as a loop receiver and to <i><Int></i> to use the “in built” microphone.
Low or distorted sound	<ul style="list-style-type: none">• Battery almost exhausted -fit new battery.• Neck loop too close to neck – move towards shoulders away from neck.
Buzz or squeal after short time	<ul style="list-style-type: none">• Battery almost exhausted, system will seem OK when first switched on - fit new battery
Crackling or Sound goes on & off	<ul style="list-style-type: none">• Dirty plug - clean plug.• Faulty leads - wiggle lead by plug to find faulty lead, replace lead.
Tinny or muffled sound	<ul style="list-style-type: none">• Tone control in wrong position - switch to another position.

If in doubt please contact your dealer for assistance.

Headphones or neck loops with mono jack plugs will not work correctly with the system and may cause damage to the amplifier.

If the system needs to be returned for repair please send the complete system including the amplifier and accessories. Please state the nature of the fault and the return address.

Accessories and Spares

Accessories and spares are available from the address at the end of this manual.