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Crescendo 20/1 plus & 20/3 plus

Personal Sound Systems

Owner's Manual

Introduction

The Crescendo 20/1 plus system is an easy to use amplifying system for use without a hearing aid. 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, the 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 pick up loop signals without using a hearing aid.

The Crescendo 20/1 plus is supplied ready to use with an alkaline battery, high efficiency stethoscope headset, 4 m microphone and self-adhesive Velcro™ pads.

The Crescendo 20/3 plus is supplied as the 20/1 plus but without a headset to enable you to use your own headphones. 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.

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

1. **Either** – Switch the two position microphone switch on the side to **<Int>** to use the “in-built” microphone.
 - (a) **Or** Plug the 4 metre lead microphone into the socket marked **<Mic>** and switch the two position microphone switch on the side to **<Ext>**. Attach the microphone to the television speaker grille using one set of the self-adhesive Velcro pads supplied. Peel off the backing paper and press the pad firmly in place. The microphone will then fasten to the pad if lightly pressed in place. To remove the microphone, pull it away gently. The microphone may be used on other equipment such as a radio or Hi-Fi.
2. Plug the headset into the socket marked **<Phones>**.
3. Set the television to the normal listening level for the other members of your household and turn the Crescendo's volume control clockwise until the desired headset volume is reached. Remember to switch off the amplifier when not in use by turning the knob fully anti-clockwise, when a "click" will be felt.
4. 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.
5. To receive signals from a loop system unplug the 4 metre lead microphone (if used) and switch the two position microphone switch to **<Ext>**. This allows a pick-up coil 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.

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

- 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 Crescendo 20 plus **must** be fitted with an alkaline battery.

Mains Adaptor

The Crescendo 20 plus amplifier may be used with the Sarabec Crescendo mains 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. The amplifier requires a 6V DC supply with a current rating greater than 200mA. If the amplifier does not work with another type of adaptor switch off and unplug straight away.

Problems and Cures

Problem	Cure
No Sound	<ul style="list-style-type: none">• Headset & microphone in wrong sockets - change round.• Battery exhausted - fit new battery.• Microphone switch in wrong position - set to <Ext> to use with 4m lead microphone or as a loop receiver and to <Int> to use the “in built” microphone.
Low or distorted sound	<ul style="list-style-type: none">• Battery almost exhausted -fit new battery.• Headset blocked with wax - clean headset ends or fit new forkends
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.

The headset ends can be removed for cleaning and removal of wax. They can be washed in warm soapy water but must be thoroughly dried before replacing.

Headphones or neck loops with mono jack plugs will not work correctly with the Crescendo 20 plus and may cause damage to the amplifier.

If the system needs to be returned for repair please send the complete system including the amplifier, headset and microphone. Please state the nature of the fault and the return address. If the system is still under guarantee please state this and provide proof of purchase.

Accessories and Spares

A full list of accessories and spares with prices is shown in our current product guide, available on request. Please check the current price and quote both the description and part number when ordering.

Part No.	Description
330-001	Standard Microphone with 4m(12ft) BLACK lead and Velcro pads
330-007	Standard Microphone with 4m(12ft) WHITE lead and Velcro pads
330-100	Short lead Microphone with 1m(3ft) BLACK lead
353-090	Crescendo direct audio lead kit for jack sockets
353-092	Crescendo direct audio lead for SCART socket
353-024	Microphone extension lead 3m(10ft)
353-025	Microphone extension lead 5m(15ft)
330-044	Velcro pads kit, One hook type and three black loop type pads To obtain this kit only, please send two second class stamps
306-100	Stethoscope headset complete
302-016	Stethoscope headset lead
301-007	Stethoscope headset foam pads (pack 10)
303-055	Lightweight headphones
201-110	Neck Loop with 1m(3ft) lead
302-027	Ear Loop with 1m(3ft) lead
304-004	Crescendo 20 mains adaptor 6V 200mA



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

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