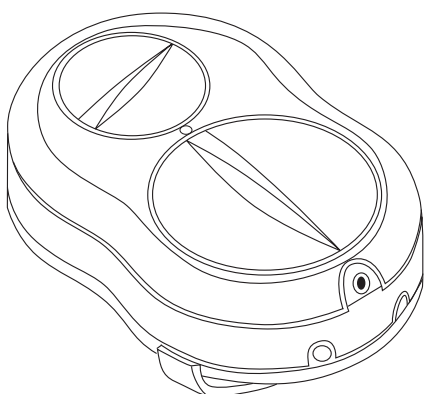




# crescendo 50

## Personal Listening system



### Operating instructions

## Introduction

Thank you for choosing the Crescendo 50 personal listening system. Before using the system, please read these operating instructions to benefit from all the capabilities of the system and it will give you many hours of reliable listening performance.

The Crescendo 50 will help you to communicate with confidence. It is a battery powered amplifier that can receive sound from various sources, and then amplify that sound to the way you like to listen.

The Crescendo 50 has a wide-ranging tone control that can boost the high and low frequencies according to your hearing needs.

There are options enabling you to use the system with or without a hearing aid.

## WARNING

The sound input from this system can be very high: Switch off before changing the batteries or plugging or unplugging any accessories.

## Precautions

The manufacturer cannot be held responsible for damage caused by not using the Crescendo 50 in accordance with these safety precautions.

Do not open the casing of the Crescendo 50 except to change batteries or operate the mode switch.

No user-serviceable parts can be found inside.

Ensure mains powered equipment is switched off before connecting to the Crescendo 50.

Do not expose the Crescendo 50 to rain or any other forms of moisture.

Do not expose the Crescendo 50 to direct sunlight or extreme heat such as radiators.

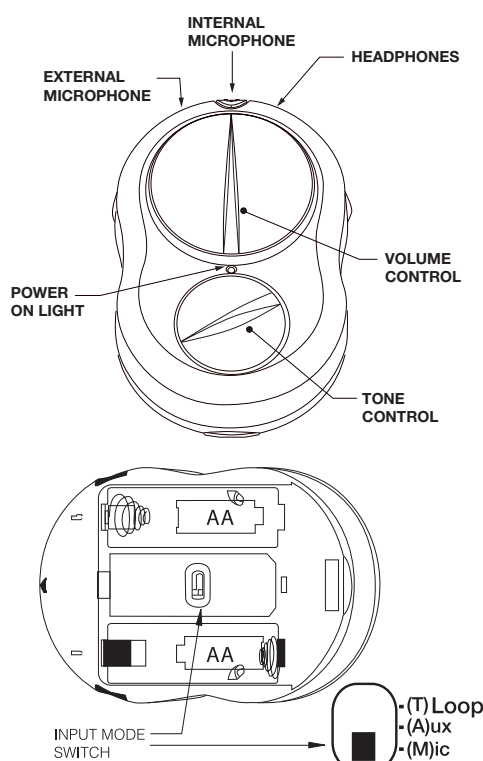
Only AA batteries of the type specified can be used.

Do not mix old and new batteries.

Use rechargeable batteries in accordance with the instructions supplied with them.

If the Crescendo 50 is not to be used for a long time, remove the batteries.

## Product Overview



- Rotary Volume control.
- Rotary Tone control.
- Belt clip.
- Neck cord.
- Uses 2 X AA alkaline batteries giving over 60 hours of use with a headset
- Rechargeable batteries can be used. Battery life will depend on battery capacity.
- Input selection mode switch (Microphone, Aux, T/Loop)

## Input options

- **Internal microphone**  
Select **M** on the mode switch  
For general listening without trailing wires.
- **External microphone**  
Select **M** on the mode switch  
For general listening using a long lead microphone to get right to the sound source.  
Plug the microphone into the socket with the Microphone symbol (MIC)
- **Direct connection**  
Select **A** on the mode switch  
To listen with maximum clarity to TV or Audio from the SCART, RCA Phono or Jack outputs  
Plug the appropriate lead into the socket with the Microphone symbol (MIC)
- **Loop receiver**  
For non hearing aid users only  
Select **T** on the mode switch  
To listen to or check existing loop systems for hearing aid users  
Use with headset or headphones to act like a hearing aid on "T" position.

## Listening options

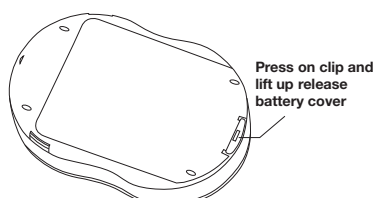
- **Stethoscope Headset**  
Wear this lightweight headset under the chin for maximum sound levels.
- **Headphones**  
Wear any conventional over the head Headphones with 32 ohm impedance with a 3.5mm stereo jack plug.
- **Earphones**  
Any in-ear earphones with a 3.5mm stereo jack plug.
- **Neck Loop**  
Can be worn around the neck to transmit the sound directly to the hearing aid on the "T setting".
- **Ear hook**  
Worn adjacent to the behind the ear hearing aid to transmit the sound directly to the hearing aid on the "T setting".
- **Direct connection to hearing aid**  
Direct connection to a hearing aid with the appropriate facility and lead.

## Inserting batteries

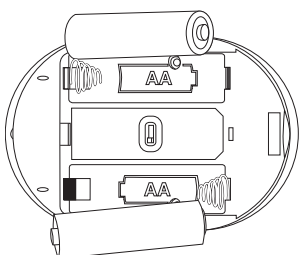
The unit uses 2 AA alkaline batteries (LR6 or AA).

Remove belt clip if fitted (see below).

Remove the battery cover located on the rear of the amplifier by pressing in the clip on the end of the unit and lifting the cover upward.



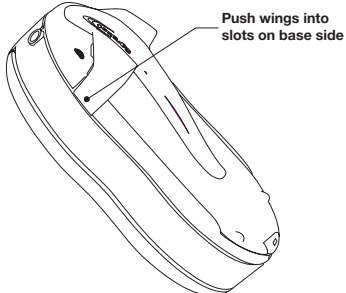
Insert the two batteries according to the symbol shown in the battery compartments.



Replace the battery cover.

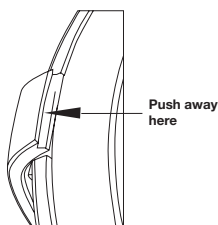
## Beltclip/neckcord

To fit belt clip simply press the wings of the clip into the position shown.

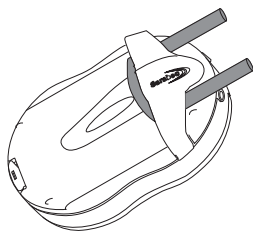


To remove the clip press one of the wings away from the body.

**Do not** try to remove the clip by lifting the clip away from the battery cover as you may damage the parts.



To fit the neck cord remove belt clip and thread the cord as shown, and replace the belt clip. The neck cord has a safety release feature to avoid you getting trapped by the cord.



## Operating

With the amplifier switched off select the input mode. Open the battery cover and adjust the switch to the required setting, replace the battery cover.

If required, plug your input option into the socket marked with a microphone symbol.

Plug in your selected output option e.g. headphones, neck loop etc, into the socket marked with the headphone symbol.

To switch the amplifier on turn the volume control clockwise past the "click". A green LED will light up to indicate the amplifier is on.

Adjust the volume to suit your listening level and the tone control to boost the high or low tones.

To switch the amplifier off turn the volume control anti-clockwise until it "clicks". The green LED is turned off.

## Troubleshooting

### Q. No Sound

**A.** Check headset/microphone are in the correct sockets.

Headset or microphone may be faulty.

Batteries may be exhausted fit new batteries.

Check operating mode.

### Q. Low or distorted sound

**A.** Batteries nearly exhausted fit new batteries.

Check operating mode.

### Q. Feedback or squealing sound

**A.** Microphone (internal or external) is too close to headset and volume is too loud.

### Q. Crackling or sound goes on and off

**A.** Dirty plugs - clean plugs

Faulty leads, wiggle leads to find faulty lead - change lead

### Q. Tinny or muffled sound

**A.** Tone control in wrong position

Headset ends can be removed for cleaning and can be washed in warm soapy water but must be thoroughly dried before replacing.

If the system needs returning for repair please send the complete system including the amplifier, batteries and any accessories purchased for the system.

Please state the nature of the fault and your name and address where you want the system returned to. If the system is still under guarantee please provide proof of purchase.

## Specifications

### Power requirements

2 X 1.5V AA/LR06 Alkaline batteries  
Battery life giving over 60 hours use with a 32 ohm headset and average listening levels.

Normal or rechargeable batteries may be used with reduced life.

### Dimensions

Approx L 95mm: W 62mm H25mm  
excluding belt clip.

### Weight

70g without batteries, approx. 120g with batteries.

### Material

ABS plastic casing.

### Performance

Frequency response     +/-3dB 175Hz - 5kHz

Maximum gain             43 dB

Tone control               +/-8dB at 100Hz  
                                      +/-8dB at 5kHz

Maximum Audio output 128 dB with 307-105 headset.

## Accessories/spares

A full list of all Sarabec accessories and spares is available on request.

330-001	Standard microphone with 4m(12ft) black lead and Velcro pads
330-009	Plug in Communicator Mic
330-044	Velcro pads kit one hook type and three black loop pads. To obtain just this replacement kit, send two second class stamps.
353-024	3m(10)ft Mic. extension lead
353-025	5m(15)ft Mic. extension lead
353-097	Crescendo direct audio lead kit, including 5m(15)ft 3.5mm jack plug to red/white Phono plugs. Phono to SCART adaptor, Phono to stereo jack adaptor.
307-105	Stethoscope headset
303-055	Lightweight headphones
201-120	Neck Loop
315-001	Ear hook
303-070	Stereo In-Ear Earphones (32 ohm)

## EU Declaration of Conformity

Sarabec Ltd hereby declares that the Crescendo 50 amplifier is in compliance with the relevant EU directives. The full declaration is available from Sarabec Ltd 15 High Force Road, Middlesbrough TS2 1RH