



EAR3 Micro Amp (IA-E3-AMP)
Operating Instructions v1.0

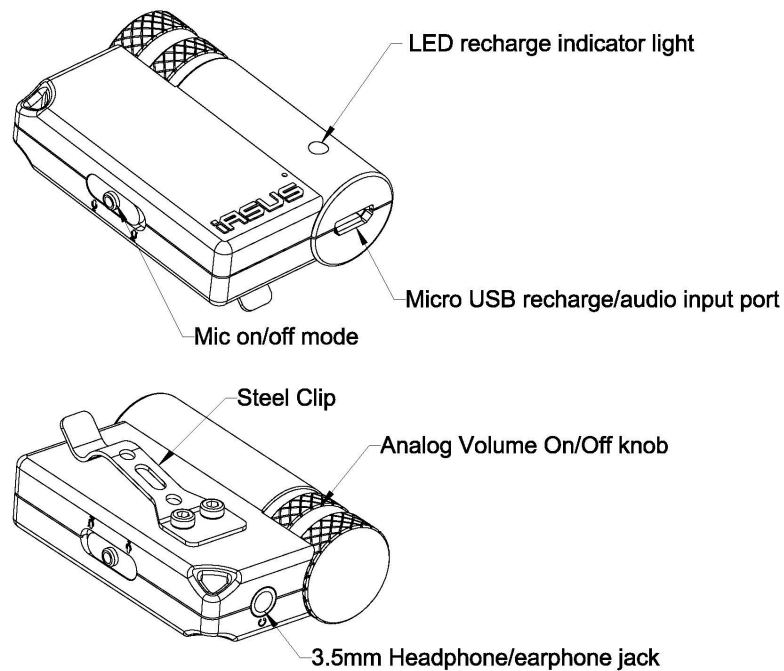
Introduction

Thank you for purchasing the EAR3 Micro Amp. In this document you will find instructions on operating the EAR3. Should there be any questions, please feel free to contact us at info@iasus-concepts.com.

Package Contents

EAR3 Amp
Micro USB to 3.5mm Audio Input Cable
Micro USB Charging Cable
iASUS Concepts Information Card

EAR3 Layout and Controls



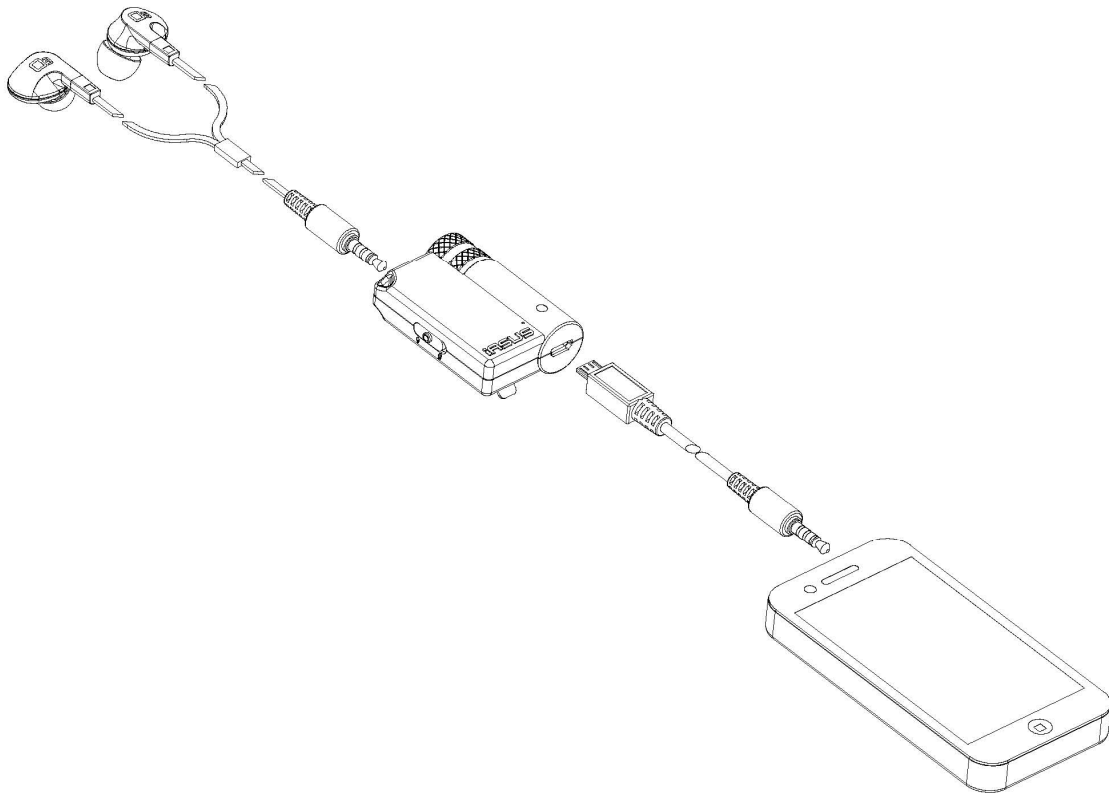
Charging

The EAR3 comes shipped from iASUS with its internal lithium-ion battery already charged and ready for use.


When charging is needed, connect the included USB cable to the micro-USB port on the bottom of the unit and the other end to a computer. The hidden LED recharge indicator will be lit red when it is charging and turn off when charging is complete.

Operation with MP3 Audio Device or Smartphone, Volume Adjustment


When the EAR3 is used with a MP3 audio device connected and the EAR3 Mic enabled, first plug in the audio input cable and also your headphones as shown in the picture. Make sure the cables are all plugged in securely and fully inserted into the base of the socket.



Once everything is connected, turn on your smartphone or mp3 and set the volume at a low level.

Next, power on the EAR3 by turning the volume knob clockwise and slide the mic switch to the  "mic on" position.

While listening to the headphones/earphones, turn up the volume slowly until you can hear the music comfortably.

Speak or tap the EAR3 to hear the outside mic signal. You can test the EAR3 Mic function by turning off the Mic  and you should not be able to hear any surrounding noises.


In order to set the mic volume to your personal music listening volume level, adjust the volume on the EAR3 to increase the mic volume and music volume. However, if you use your "source" smartphone or mp3 volume control it only controls the music volume. So by lowering the music volume from the "source" will result in a proportionally louder mic volume.

If you want the music to be louder than the mic, turn up the "source" and reduce the volume knob setting. Here is a simple table to explain how to optimize the background noise to music ratio.

Volume Knob	Music Source	Output
High	High	High Mic and High Music
Low	High	Low Mic and High Music
High	Low	High Mic and Low Music

By following these simple sequences, the combination of environment and background can be adjusted to suit your personal listening preference.

Operation with Music only

When operating in an environment that does not require background sound input, you can turn the mic off  and use the volume knob to only amplify your music. The sound should be cleaner and more solid than using a direct signal from your source. The volume will also have a much higher level than from the source alone.

**Note - Do not turn the volume too high as the EAR3 does have the potential to damage headphones and earphones should they not be rated for a higher audio input, so use the volume amplification slowly with caution to avoid over boosting.

EAR3 Features and Specifications

External Mic on/off switch
Precise analog volume control
Micro USB/Audio input port (3.5mm audio connector cable)*
Audio output 3.5mm audio port *
Metal Clip
Lanyard loop
LED charge indicator (auto-off when charged)

*(supports headsets with mic)

EAR3 Specifications

Boost	10db <0.03% harmonic distortion
Output	55mW per Channel x 2, 16 ohms
S/N ratio	100db @ 32ohms, 20mW
Frequency Response	10Hz to 100Khz +0/-0.1dB
Impedance Input	1k ohm
Impedance Output	16-32 ohm
Operation	20 hours per charge
Weight	30g
Dimensions	51mm x 37mm x20mm