

## System Includes

- ER•6 Isolator earphones
- 5 ft cord with 3.5 mm stereo plug
- 1 pair silicone eartips
- 1 pair foam eartips
- 2 replacement filters
- Filter changing tool
- Shirt clip
- Zippered pouch



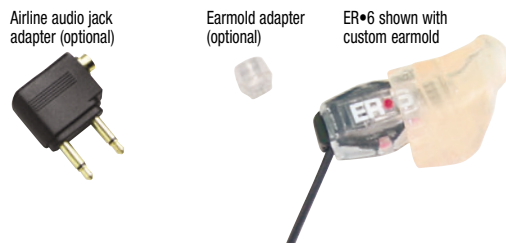
## About the Replacement Filters

ER•6 Isolator™ earphones use filters to keep earwax away from the speakers. Eventually these filters may become clogged with earwax and will need to be changed. The manual has detailed instructions on how to change the filters.

## Foam Eartips



## Other Attachments



## About ETYMOTIC RESEARCH, Inc.

Etymotic Research, Inc. (ER) is a research, development and manufacturing company that designs products to measure, improve and protect hearing. ER has developed some of the most innovative hearing technology available today. ER products are used by musicians and others who insist on superior sound quality. Etymotic means “true to the ear.”

Other ETYMOTIC RESEARCH consumer products:

- ER-4 MicroPro™ Reference Quality Earphones**
- ER-9, 15, 25 Musicians Earplugs**
- ER-20 High Fidelity Earplugs**

## Warranty

Etymotic Research, Inc. warrants this product against defects in material or workmanship for a period of 1 year from the date of purchase. Proof of purchase is required. ER will repair or replace the defective product at its option if returned within the warranty period to our service facility at the address below. This warranty is in lieu of all other warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose.

## ER•6 Specifications

- Frequency response:** 20 Hz to 16 kHz
- Tolerance:**  $\pm 3$  dB to 6 kHz,  
 $\pm 6$  dB to 16 kHz re nominal
- Transducer type:** dynamic
- 1 kHz sensitivity:** 108 dB SPL for a 0.4 volt input
- Impedance:** 48 Ohms
- Maximum output:** 120 dB SPL
- Maximum continuous input:** 2.5 Vrms
- Weight:** less than 1 oz.

**ETYMOTIC RESEARCH INC.**  
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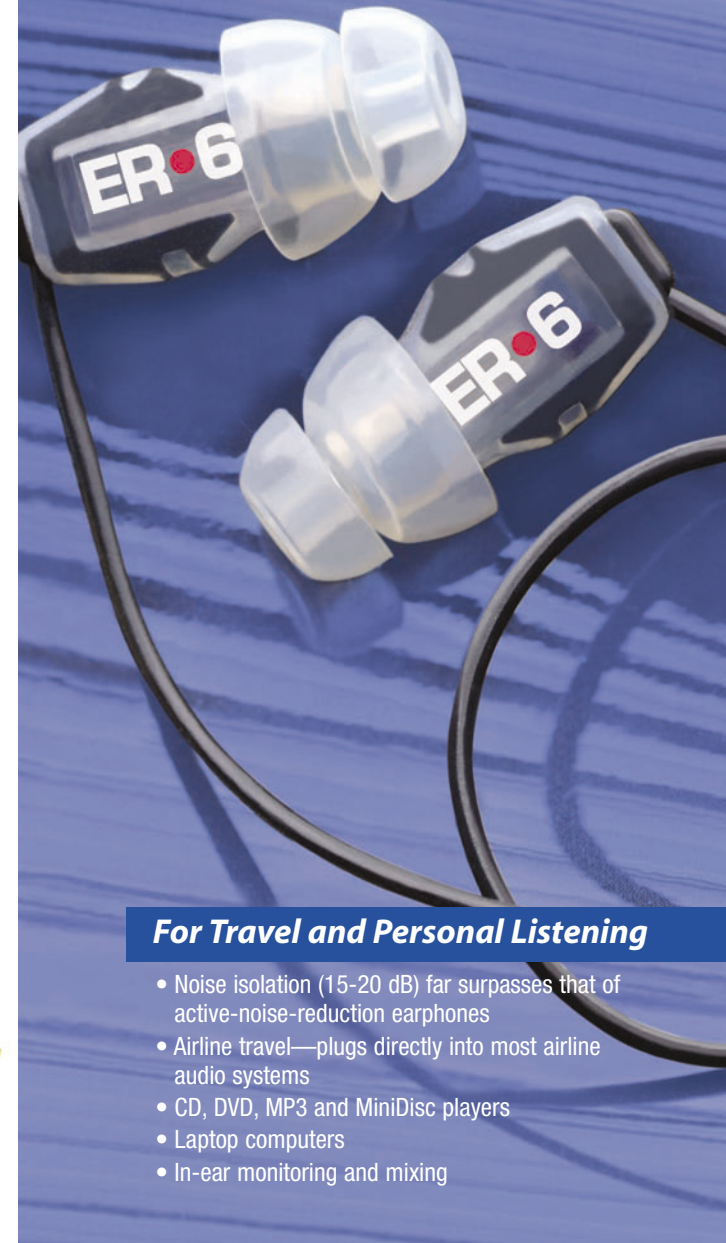
ER-6 Isolator™ and ER-4 MicroPro™ are trademarks of Etymotic Research, Inc. KEMAR™ is a registered trademark of Knowles Electronics, Inc. The ER-4 MicroPro™ Earphones and ER-6 Isolator™ Earphones are covered by one or more of the following U.S. patents: #4,677,679, #4,763,753, #5,887,070 and other patents pending.



ER6-5000-7/03

ETYMOTIC RESEARCH, INC.

ER•6  
**Isolator™**  
earphones



## For Travel and Personal Listening

- Noise isolation (15-20 dB) far surpasses that of active-noise-reduction earphones
- Airline travel—plugs directly into most airline audio systems
- CD, DVD, MP3 and MiniDisc players
- Laptop computers
- In-ear monitoring and mixing

# ETYMÖTIC RESEARCH, Inc.

is recognized worldwide for high-fidelity and superior sound isolation.

Every recorded detail is perfectly reproduced inside your head

## Noise Isolation

The **ER•6 Isolator Earphones** reduce environmental sound levels 15-20 dB, allowing you to hear the full range of today's digital recordings without having to play them at unnaturally high and unsafe levels. Since you don't have to boost the volume to overcome external noise, ear overload distortion is minimized.

## Response Accuracy

True high fidelity sound reproduction requires the reproduced sound to be as close as possible to the sound of a live performance. **ER•6 Isolator Earphones** are designed to match the acoustic response of the open ear.



ER•6 Isolator Earphones are small and easily portable. No external amplifier required. **No battery needed.**



ER•6 Isolator Earphones slide into your ears like earplugs, isolating you from all surrounding noise.

## Why you don't need electronic noise cancellation...

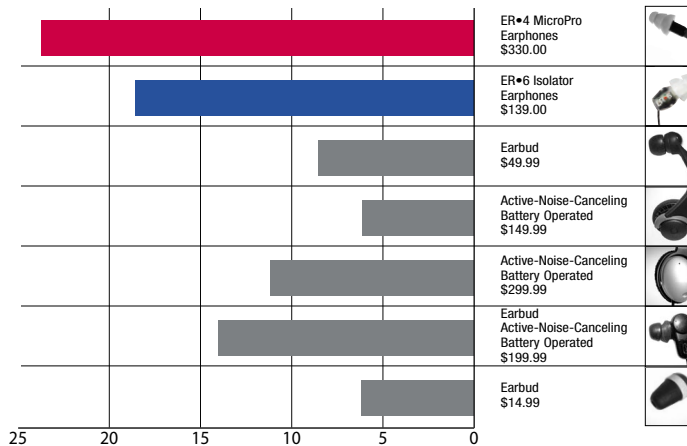
Active noise reduction circuits add noise of their own when you are listening in quiet surroundings. **ER•6 Isolator Earphones** reduce noise naturally by sealing your ear canals. The result:

- clean, clear, undistorted music
- rich detail that you miss with over-the-ear headphones
- mind-blowing, in-your-head sound
- the highest sound isolation of any earphones except our ER•4 MicroPro™ Earphones



## The Data

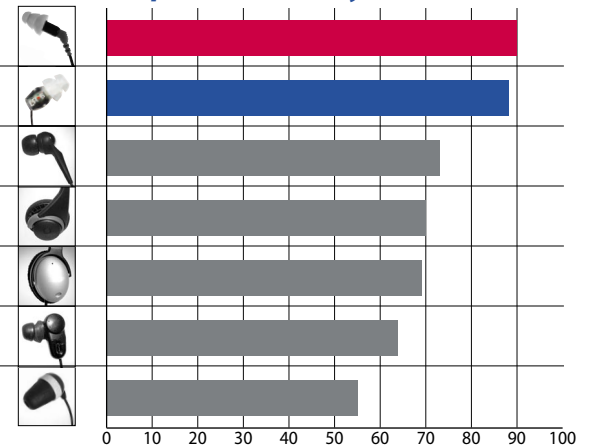
### Noise Reduction in dB



### How We Measure Noise Reduction

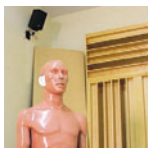
A calibrated 84 dB SPL broad-band pink noise was generated in a reverberation room using four uncorrelated noise sources spaced around the room. The sound pressure developed in the ear was measured with a 2.5-mm microphone located deep in the ear canal. The external noise reduction of each earphone was calculated as the difference between the noise level in the open ear and the noise level with the earphone in place.

### Response Accuracy in percent

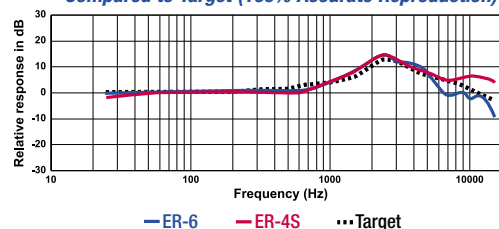


### How We Measure Response Accuracy

Earphone response was measured on a KEMAR® manikin which has the same acoustic properties as the average head and ear. 25-band accuracy scores are calculated by summing the difference between the earphone response and the target response in each 1/3-octave band from 50 Hz to 12.5 kHz.



### Response of ER-6 & ER-4 Earphones Compared to Target (100% Accurate Reproduction)



**ER•6 Isolator Earphones** provide more isolation than all other earphones except the ER•4 MicroPro™ Earphones.