



www.audeze.com



PRODUCT GUIDE





THE INTERSECTION OF ART AND TECHNOLOGY

At Audeze we remove the boundaries between artist and listener. Our products combine revolutionary acoustic engineering and beautiful craftsmanship to provide the finest listening experience.

Our headphones' best-in-class accuracy makes them an irreplaceable tool for those requiring the most transparent audio reproduction available. First discovered by audiophiles, now professional engineers and music producers are using our headphones as their new reference.

We're proud to present our product guide that briefly covers some of our technology and specifications. However, no product guide can ever do our products justice. The only way to truly appreciate our headphones is listening to them. To learn more please visit www.audeze.com



ENGINEERING

Implementing unique designs and patented technologies, Audeze is widely recognized as the industry leader, offering planar magnetic headphones with unparalleled performance, visual appearance, and comfort in all price categories. We accomplish this by pushing the limits of technology, materials science and engineering, always striving for sonic perfection.





FLUXOR™ MAGNETIC TECHNOLOGY

With our new, patent-pending Fluxor magnetic technology introduced in the EL-8, Audeze delivers nearly double the magnetic flux density of the highest-grade neodymium magnetic circuits available. This remarkable achievement results in reduced weight with greater efficiency to work with mobile devices.

UNIFORCE™ DIAPHRAGM TECHNOLOGY

The EL-8's patent-pending Uniforce diaphragm employs an industry first - variable trace widths in the voice-coil to effectively capture variations in the magnetic field within the magnetic gaps by equalizing the forces of the individual traces, creating a uniform driving force across the entire diaphragm surface. This results in dramatically reduced distortion, higher resolution and improved imaging.

FAZOR™ TECHNOLOGY

Our patent-pending Fazor technology, introduced in the LCD Collection, is also integrated into the EL-8. Fazors are special acoustical elements positioned on either side of the magnetic structure. They enhance transparency by affecting the sound waves generated by large planar diaphragms. A few of the benefits include extended frequency response, improved high-frequency extension, and lowered distortion, with better imaging.



DESIGN AND COMFORT

Our award-winning headphones are known for their signature sound created by our advanced transducer technology allied with the finest craftsmanship and hand-selected woods.

Employing unique design and advanced transducer technology, our headphones provide total comfort for hours on end. Combining legendary style with the world's most advanced planar magnetic technology, delivering the ultimate listening experience.



HANDCRAFTED WORKMANSHIP

Audeze's hand-tooled manufacturing process combined with advanced materials and technology produces extremely accurate and incredible sounding headphones. The LCD Collection delivers the listener into a new world of music, full of rich detail, low end clarity and overall accuracy.



AUDEZE

EL-8 COLLECTION

The EL-8s are a remarkable achievement in engineering, comfort and style. Its performance surpasses anything on the market in its price range. The iconic industrial design is by BMW DesignWorks USA. The EL-8 features all of our technologies including Fluxor magnetics, Uniforce diaphragms and Fazor elements delivering deep bass, an engaging midrange, and a sweet, detailed top end with no breakup modes. The closed-back model has all the sonic benefits of the open-back model and provides a quiet listening environment, even in noisy areas, to fully enjoy music with virtually no ambient noise. The EL-8 is sensitive enough to be driven directly by portable players and sounds even better with an external amplifier.



EL-8

OPEN
BACK

SPECIFICATIONS

Style	Open circumaural
Transducer type	Planar magnetic
Magnetic structure	Fluxor magnets
Magnet type	Neodymium
Transducer active diaphragm area	34.30 cm ² (5.32 in ²)
Maximum power handling	15W (for 200ms)
Sound pressure level	>130dB with 15W
Frequency response	10Hz - 50kHz
Total harmonic distortion	<0.01% through entire frequency range
Impedance	30 ohms
Efficiency	102dB / 1mW
Optimal power requirement	200mW - 4W
Weight	460g

AUDEZE TECHNOLOGY

- Fazor elements
- Fluxor magnetic structure
- Uniforce diaphragms

PACKAGE INCLUDES

- 1.2m Audeze headphone cable
- 3.5mm to 1/4in stereo adapter



EL-8

CLOSED
BACK

SPECIFICATIONS

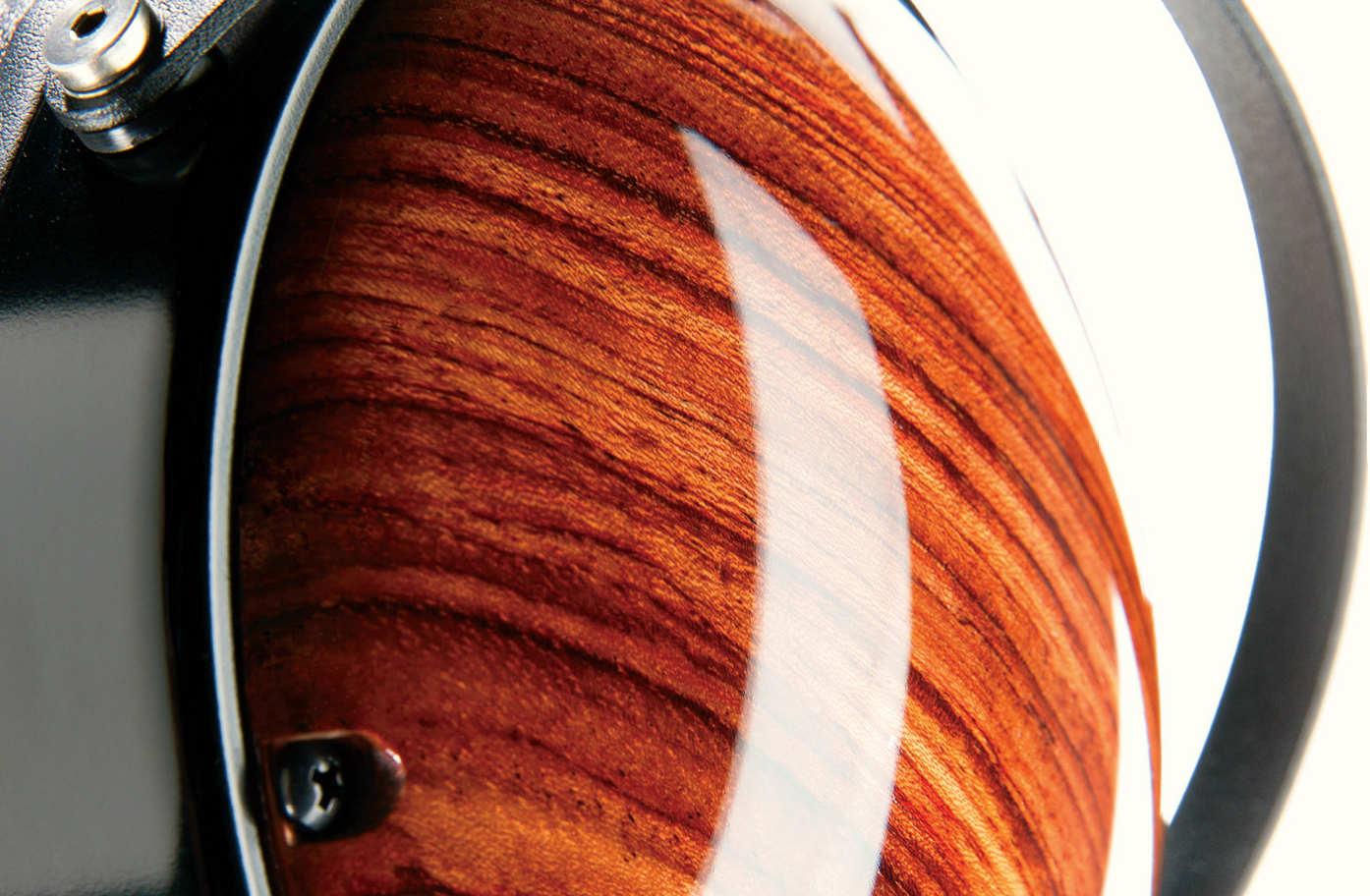
Style	Closed-back circumaural
Transducer type	Planar magnetic
Magnetic structure	Fluxor magnets
Magnet type	Neodymium
Transducer active diaphragm area	34.30 cm ² (5.32 in ²)
Maximum power handling	15W (for 200ms)
Sound pressure level	>130dB with 15W
Frequency response	10Hz - 50kHz
Total harmonic distortion	<0.01% through entire frequency range
Impedance	30 ohms
Efficiency	100dB / 1mW
Optimal power requirement	200mW - 4W
Weight	480g

AUDEZE TECHNOLOGY

- Fazor elements
- Fluxor magnetic structure
- Uniforce diaphragms

PACKAGE INCLUDES

- 1.2m Audeze headphone cable
- 3.5mm to 1/4in stereo adapter



LCD COLLECTION

The award-winning LCD Collection, acknowledged by many as the best in the world, defined Audeze as a prestigious manufacturer of ultra-performance headphones. No competitor can match our powerful bass and flat response down to an amazing 20Hz. Each LCD is individually tested and measured and, upon product registration, users may request their frequency response chart.





LCD

3

Our flagship headphone has been called the best in the world. At the pinnacle of our LCD Collection, the LCD-3 delivers the highest resolution music experience of all our headphones. It's sound is always musical, spacious, ultra-realistic, with powerful bass, a rich and engaging midrange, and a top end that pulls you into the music. For the best results Audeze recommends pairing the LCD-3 with an external headphone amplifier.

SPECIFICATIONS

Style	Open circumaural
Transducer type	Planar magnetic
Magnetic structure	Proprietary push-pull design
Magnet type	Neodymium
Transducer active diaphragm area	39.8 cm ² (6.17 in ²)
Maximum power handling	15W (for 200ms)
Sound pressure level	>130dB with 15W
Frequency response	5Hz - 20kHz extended out to 50kHz
Total harmonic distortion	<1% through entire frequency range
Impedance	110 ohms
Efficiency	102dB / 1mW
Optimal power requirement	1 - 4W

AUDEZE TECHNOLOGY

- Fazor elements
- Large ultra thin-film diaphragms
- Unique magnetic structure

PACKAGE INCLUDES

- 2.5m 1/4in to dual 4-pin mini-XLR cable
- 2.5m 4-pin XLR to dual 4-pin mini-XLR cable
- 3.5mm to 1/4in stereo adapter
- Professional travel case

OPTIONS

- Lambskin or leather-free headband and earpads



LCD

XC

The closed-back LCD-XC was created based on our core customers' feedback. It delivers all the benefits of the LCD-X while isolating the listener and reducing ambient noise for a private listening experience, a significant achievement due to the inherent challenges of enclosing our planar transducers. The LCD-XC is the finest closed-back planar available, sensitive enough to be driven directly by portable players and mobile devices, but an external amplifier produces better sonic results.

SPECIFICATIONS

Style	Closed-back circumaural
Transducer type	Planar magnetic
Magnetic structure	Proprietary push-pull design
Magnet type	Neodymium
Transducer active diaphragm area	39.8 cm ² (6.17 in ²)
Maximum power handling	15W (for 200ms)
Sound pressure level	>130dB with 15W
Frequency response	5Hz - 20kHz extended out to 50kHz
Total harmonic distortion	<1% through entire frequency range
Impedance	20 ohms
Efficiency	100dB / 1mW
Optimal power requirement	1 - 4W

AUDEZE TECHNOLOGY

- Fazor elements
- Large ultra thin-film diaphragms
- Unique magnetic structure

PACKAGE INCLUDES

- 2.5m 1/4in to dual 4-pin mini-XLR cable
- 2.5m 4-pin XLR to dual 4-pin mini-XLR cable
- 3.5mm to 1/4in stereo adapter
- Professional travel case

OPTIONS

- Lambskin or leather-free headband and earpads



LCD

X

The LCD-X is one of the most efficient headphones on the market and extracts the maximum drive out of low-powered amplifiers and portable devices. It's also the most neutral of all the LCD Collection explaining its popularity with audio-philosophers, recording engineers and musicians alike for its clarity and fast, accurate dynamics. With 20 ohms impedance the LCD-X is sensitive enough to be driven directly by a laptop or mobile device, however as with all headphones, an external amplifier improves results.

SPECIFICATIONS

Style	Open circumaural
Transducer type	Planar magnetic
Magnetic structure	Proprietary push-pull design
Magnet type	Neodymium
Transducer active diaphragm area	39.8 cm ² (6.17 in ²)
Maximum power handling	15W (for 200ms)
Sound pressure level	>130dB with 15W
Frequency response	5Hz - 20kHz extended out to 50kHz
Total harmonic distortion	<1% through entire frequency range
Impedance	20 ohms
Efficiency	103dB / 1mW
Optimal power requirement	1 - 4W

AUDEZE TECHNOLOGY

- Fazor elements
- Large ultra thin-film diaphragms
- Unique magnetic structure

PACKAGE INCLUDES

- 2.5m 1/4in to dual 4-pin mini-XLR cable
- 2.5m 4-pin XLR to dual 4-pin mini-XLR cable
- 3.5mm to 1/4in stereo adapter
- Professional travel case

OPTIONS

- Lambskin or leather-free headband and earpads



LCD

2

The LCD-2 is the legendary headphone that made Audeze an industry leader. Continuous evolution and the addition of Fazor technology have enhanced its transparency and overall performance. Known for their tight, extended bass response, smooth, inviting midrange, and warm high frequencies, the LCD-2 headphones offer a listening experience that makes believers out of even casual music listeners. For the best performance The LCD-2 requires an external headphone amplifier.

SPECIFICATIONS

Style	Open circumaural
Transducer type	Planar magnetic
Magnetic structure	Proprietary push-pull design
Magnet type	Neodymium
Transducer active diaphragm area	39.8 cm ² (6.17 in ²)
Maximum power handling	15W (for 200ms)
Sound pressure level	>130dB with 15W
Frequency response	5Hz - 20kHz extended out to 50kHz
Total harmonic distortion	<1% through entire frequency range
Impedance	70 ohms
Efficiency	101dB / 1mW
Optimal power requirement	1 - 4W

AUDEZE TECHNOLOGY

- Fazor elements
- Large ultra thin-film diaphragms
- Unique magnetic structure

PACKAGE INCLUDES

- 2.5m 1/4in to dual 4-pin mini-XLR cable
- 3.5mm to 1/4in stereo adapter
- Professional travel case

OPTIONS

- Lambskin or leather-free headband and earpads
- Caribbean Rosewood or Bamboo composite enclosure



DECKARD
CLASS-A AMP/DAC

A powerhouse of a headphone amplifier combined with a high-performance DAC, the Deckard drives any headphone with power to spare. The DAC has impressive specs and handles 16 to 32-bits and sampling rates from 44.1kHz to 384kHz. There's a volume control and front-panel switches to choose gain and input so you can also use the Deckard as a great line-level preamp. The sound is exciting and dynamic with beautifully rendered tonal colors that make music come alive.

SPECIFICATIONS

LINE OUT

Type	Single-ended class-A
SNR	106dB A-weighted
THD+N	0.00045% at 1kHz 2VRMS
Frequency response	20Hz - 20kHz / -0.03dB at 20Hz
Line out impedance	50 ohms

HEADPHONE OUT

SNR	106dB A-weighted
THD+N	0.00045% at 300 ohms 13mW 1kHz
Frequency response	20Hz - 20kHz / -0.03dB at 20Hz
Headphone out impedance	3 ohms
Output power	795mW at 33 ohms 465mW at 300 ohms 235mW at 600 ohms

DAC

Sample rate	16 to 32-bit 44.1kHz 48kHz 88.2kHz 96kHz 176.4kHz 192kHz 352.8kHz (384kHz Mac only)
Gain	Low=0dB Mid=10dB High=20dB
AC input	AC100V: 90V - 110V AC110V: 100V - 120V (Factory default) AC230V: 210V - 230V
Power consumption	<19W
Dimensions	155mm x 290mm x 50mm
System support	Windows XP/Vista/7/8/8.1 PC: USB 2 driver required Mac OSX 10.6.4 and above

PACKAGE INCLUDES

- AC power cable
- USB interface cable