

## **Linearity with precision**

# **PRO 650**

### **Short description**

Foldable, closed-back professional headphones  
with new Aluminium nameplates

New PRO Box (hardcase) for safe  
transportation and storage, incl. accessories

Technologies:

S-Logic™ Natural Surround Sound

MU Metal shielding (ULE-technology)

Safer hearing

### **PRO Box contents**

Professional headphones

2 detachable cables: one straight (length 3 m),  
one coiled (length > 3 m) with gold-plated jacks 6,3 mm  
and gold-plated adapter 6,3/3,5 mm

Spare pair of speed-switch ear pads

Demo CD

Instruction manual

### **Technical specifications**

S-Logic™ Natural Surround Sound

Dynamic principle

Frequency range 10-25.000 Hz

Impedance 75 Ohm

Sound pressure level 95 dB

MU Metal bufferboard, reduced field emissions

in accordance with ULE (=Ultra Low Emission) standard

Driver 40 mm gold-plated

Weight 295 g (without cord)

Long-term availability of spare part

### **Character**

The PRO 650 comes in the specifically designed PRO Box including 2 detachable cables and a spare pair of earpads. The earpads are easy to change (speed-switch-technology). As with all Ultrasone PRO models the detachable cables make it easy to choose the cable you prefer. The closed-back PRO 650 uses high-class gold-plated drivers. In combination with the design, PRO 650 offers an spectacular open 3-dimensional balanced image with a maximum of transparency.

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### **ULE-technology & PRO design**

PRO headphones stand for Ultra Low Emission (ULE-technology) with significant benefits for professional users and PRO headphones show a specific design. The PRO appearance does not only distinguish the professional line but also allows due to more ear anatomy area a higher degree of transparency in combination with the spatial sense and understanding.

To understand what ULE-technology does, you need to know that most headphone drivers produce low-frequency magnetic fields as they convert an electric signal into an acoustical signal you hear as music. In response, Ultrasone developed a special MU Metal shielding (ULE-technology) to reduce the radiation by up to 98% compared to current headphones. The ULE-technology has stood the test of international review and is recommended by technical surveillance organisations. Ultrasone originally developed the ULE-technology for professionals as they do spend half of their lives in headphones. But due to grand requests the ULE-technology has now been integrated in other Ultrasone headphone lines.

### **S-Logic™ Natural Surround Sound**

Through the S-Logic™ Natural Surround Sound the usual headphone sound will be moved out of the head in the room around you. The sound is no longer locked in, but appears broad and detached. Directions and distances can be heard and perceived - it's just like being in a live concert. For this new technology additional equipment is not required. Take a pair of Ultrasone headphones plus your sound device and you will be ready for the 3-dimensional sound enjoyment!

### **Safer hearing**

S-Logic™ does not only create a Natural Surround Sound. S-Logic™ allows at the same time a reduction of sound pressure levels by up to 40% (3-4 dB) for the same loudness sensation. This may reduce the risk of hearing damage while ensuring hours of fatigue-free listening. However, Ultrasone generally advises not to listen to music at high volumes to prevent hearing damage.

If you wish more information, please visit:

[www.ultrasone.com](http://www.ultrasone.com)