

making functional MRI easy

AudioSystem

The high-end audio solution for fMRI



NordicNeuroLab

AudioSystem

The high-quality headphones, together with the user-friendly communication console, give both research and clinical users versatile control over auditory stimulus presentation.

Headphones

With state-of-the-art electrostatic transducers, the headphones give a superbly detailed sound, replicating even minute details with incredible precision.

Designed specifically for fMRI, the system offers a flat frequency response from 8Hz to 35kHz and passive noise attenuation of 30dB.



Communication Console

With easy, accessible controls, the communication console offers two-way simultaneous patient communication and full flexibility of audio settings.

As an alternative to built-in speakers and operator microphone the technician can choose between different headsets according to individual preferences.

The communication console also allows for the recording of oral responses from the subject using a fiber-optic microphone which is available as an optional add-on.



FEATURES

Headphones

- superior sound quality
- easy setup and operation
- enhanced hearing protection

Communication Console

- two stereo channels
- two-way simultaneous communication
- easy setting of patient audio level
- momentary speak button
- internal speakers and operator microphone

TECHNICAL SPECIFICATIONS

Headphones

- ear cup dimensions:
semi-elliptical shape
85 x 45 x 105mm (W x H x D)
- transducers:
high-precision electrostatics
- flat frequency response:
8Hz-35kHz
- passive noise attenuation:
30dB

Communication Console

- dimensions:
135 x 55 x 140mm (W x H x D)
- can be connected to all
standard audio sources

Signal Transfer

- fiber-optic cable through waveguide

NordicNeuroLab

With over a decade of experience, NordicNeuroLab develops, manufactures and supplies high-quality products for MRI, with a special focus on functional imaging.

NordicNeuroLab's product line features a seamlessly integrated set of hardware components, which have been developed in close collaboration with leading research groups.

Other products available from NordicNeuroLab

- VisualSystem
- ResponseGrip
- SyncBox
- MR Simulator



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