



Features

- Playback equalizations: Independent-of-direction (ID), Free Field (FF), and Diffuse Field (DF), controlled via the playback software
- USB connection to a computer or a tablet directly via type C USB plug or using the CUSB IV adapter to connect to a type A USB computer port.
- Usage as a default audio device without driver installation in Windows
- Voltage supply via the USB connection or an external supply, e.g. a power bank

Connectors

- Jack plug 3.5 mm
- USB Type C plug
- Micro USB connector for external power supply (5 V)

Scope of delivery

- USB playback unit BPU
- Open dynamic HD IV.2 headphones (code 2481)
- CUSB VI adapter USB type C to USB type A (code 9869)
- Carrying bag HSC V.4 (Code 3336) for BPU, HD IV.2 headphones and accessories
- Manual

Binaural playback made handy

The BPU bundle allows a binaural playback in combination with suitable playback software from the HEAD acoustics company, e.g. the ArtemiS SUITE Player, the ArtemiS SUITE Jury Testing Module SQala or HEAD Companion. The playback unit already has the necessary equalization filters for the HD IV.2 headphone model installed, so that you can start playbacks using the included headphones without further configuration.

BPU is simply connected to a computer via USB and is automatically configured as an audio device within the operating system.



Application example with SQala and Windows tablet

BPU bundle (2440.1)

Package containing the playback unit BPU and the HD IV.2 headphones for binaural playback via PC or in a listening studio

Overview

With BPU you can very easily benefit from the advantages of a binaurally accurate playback – no matter if alone at the PC or in a listening studio.

The included HD IV.2 headphones are characterized by their balanced and contoured bass and offer true low-bass reproduction.

Because of the installed equalization filter, playback unit and headphones are already matched when shipped. Thus, without further configuration, playback gives a hearing impression which is comparable to the original sound field.

Technical data BPU.0

General

Number of channels	2
Connectors	Jack plug 3.5 mm, USB type C connector, Micro USB connector (external power supply)
Resolution	Up to 24 bit $\Delta\Sigma$ D/A converter
Input voltage	5 V DC (± 5 %)
Power consumption USB	500 mA (max.); Operation as bus-powered device or as self-powered device with 5 V external power supply
Supported sample rates	44.1; 48 kHz
Housing dimensions	49 x 29 x 86 mm (W x H x D)
Weight (incl. USB cable)	127 g
Operating temperature	-20 °C – +60 °C (0 to 90 % relative humidity, non-condensing)
Storage temperature	-20 °C – +70 °C

Headphone output

Connector	Jack plug 3.5 mm
Maximum output level	106 dB _{SPL}
Nominal level	94 dB _{SPL}
THD	<0,06 %
Frequency range	-0,5 dB at 20 Hz; -1,5 dB at 20 kHz
Equalization	ID, FF, DF (controlled via playback software)

Technical data HD IV.2

Transducer principle	Dynamic, open
Ear coupling	Circumaural
Frequency response	10 – 41000 Hz
Harmonic distortion (1 kHz)	0,05 %
Nominal impedance	300 Ω
Contact pressure	2.5 N
Connector	Jack plug 6.3 mm (3.5 mm adapter included)
Cable length	3 m
Weight (without cable)	260 g