



Code 2441.1 – BPU Bundle OP I.1 (open headphones)

Code 2442.1 – BPU Bundle CL I.1 (closed headphones)

# BPU Bundle

**Bundle of the binaural USB Playback Unit BPU and HD OP I.1 or HD CL I.1 Headphones**

# OVERVIEW

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## BPU Bundle

**Code 2441.1 – BPU Bundle OP I.1**

**Code 2442.1 – BPU Bundle CL I.1**

Bundle of the binaural USB Playback Unit BPU and HD OP I.1 or HD CL I.1 headphones for binaural playback on the PC or in a listening studio

With BPU Bundle you can very easily use the advantages of aurally-accurate playback – whether on your computer or within the scope of a listening test in a listening studio.

It represents a cost-effective and very mobile alternative to our other binaural playback systems and can be used on any Windows computer. BPU Bundle is available with HD OP I.1 open headphones or HD CL I.1 closed headphones.

As open headphones, HD OP I.1 is suitable for situations in which external influences cannot affect the playback perception, for example, in a single office.

We recommend the HD CL I.1 closed headphones for situations in which external influences should be eliminated as much as possible, for example, in listening studios with several simultaneous participants<sup>1</sup>.

## MAIN FEATURES

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Headphones connector for the included headphones

Playback equalizations Independent of Direction (ID), Free Field (FF), Diffuse Field (DF), controlled via playback software

Direct USB connection to a Windows computer or a Windows tablet via the USB-C connector or using the CUSB IV adapter for computers with a USB-A connector.

Usage as a standard audio device in Windows without driver installation

Power supply via the USB connection or by an external supply, e.g., a power bank

## APPLICATIONS

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Binaural, aurally-accurate playback with SQala Client or with ArtemiS SUITE

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<sup>1</sup> When reproducing very low frequencies via the HD CL I.1 closed headphones, it may not always be possible to guarantee hearing accuracy.

# DETAILS

## Binaural playback made easy

BPU Bundle together with suitable playback software is the ideal combination for easy binaural playback. Simply connect the BPU Playback Unit to a Windows computer and BPU is automatically configured as an audio device. Afterwards, connect the included headphones to the BPU Playback Unit and you can immediately start the playback via the playback software.

ArtemiS SUITE Player, the ArtemiS SUITE Jury Testing Module, or HEAD Companion are available as playback software.

Depending on the selected bundle the necessary equalization filter for the included headphones is already installed on the BPU Playback Unit.



*BPU Bundle OP 1.1*

## Scope of Delivery

- › USB Playback Unit BPU (code 2440)
- › Headphones (depending on the selected bundle)
  - » BPU Bundle OP 1.1: HD OP 1.1 (code 2511.1)
  - » BPU Bundle CL 1.1: HD CL 1.1 (code 2521.1)
- › CUSB IV (code 9869)
  - USB-C to USB-A adapter
- › Manual



*BPU Bundle CL 1.1*

## Interfaces

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



*Application example with SQala, a Windows tablet, and BPU Bundle CL 1.1*

# TECHNICAL DATA

General	
Number of channels	2
Connectors	3.5 mm jack socket, USB-C connector, Micro USB connector (external power supply)
Resolution	24 Bit D/A converter
Input voltage USB	5 V DC ( $\pm 5\%$ )
Power consumption USB	500 mA (max.); Operation as bus-powered or self-powered device with 5 V external power supply
Supported sampling rates	44.1, 48 kHz
Dimensions BPU	49 x 29 x 86 mm (B x H x T)
Weight BPU (incl. USB cable)	127 g
Operating temperature	-20 °C – +60 °C / -4 °F – 140 °F (0% – 90% relative humidity, non-condensing)
Storage temperature	-20 °C – +70 °C / -4 °F – 158 °F

Headphones output	
Connector	Jack socket 3.5 mm
Maximum output level	106 dB <sub>SPL</sub>
Nominal level	94 dB <sub>SPL</sub>
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)



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