

HSB IV.2 (Code 1345)
HEAD Supply Box

Mobile system solution featuring easy connection and power supply for a range of recording and playback devices



Features

- Easy wiring of entire recording and playback systems from HEAD acoustics
- Power supply for connected devices via the car battery or the power adapter
- Uninterrupted switching between external power supply and battery operation (artificial head)
- Uncomplicated four-channel recordings
- Direct connection of common pulse sensors
- Pulse conditioning

Applications

- Mobile use of complete measurement systems, particularly in connection with the HEAD Torso Box (HTB V) and the MPCX embedded PC

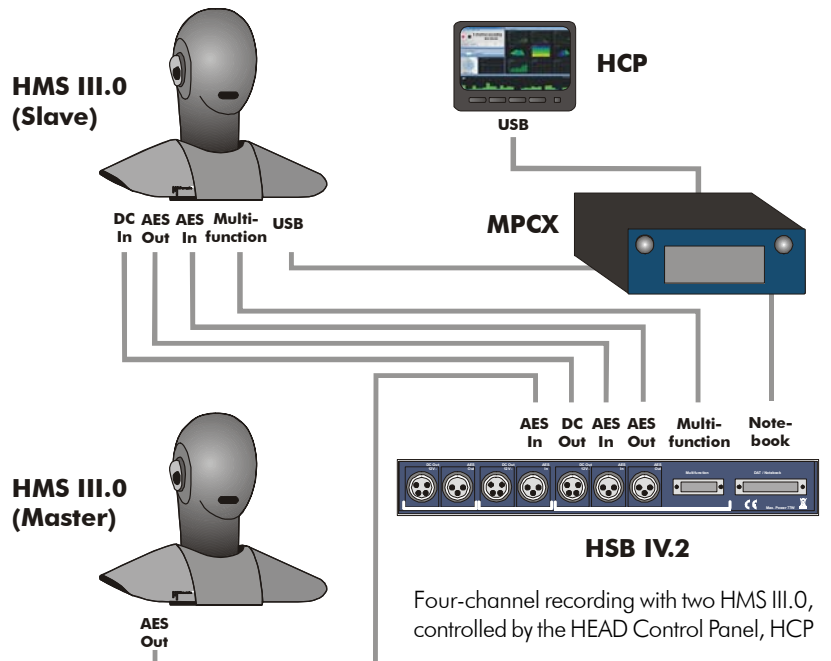
Overview

The HSB IV.2 allows a quick and simple connection between various devices from HEAD acoustics in mobile use. Via the power adapter or the car battery, HSB IV.2 supplies power to the connected devices, also charging their batteries if required.

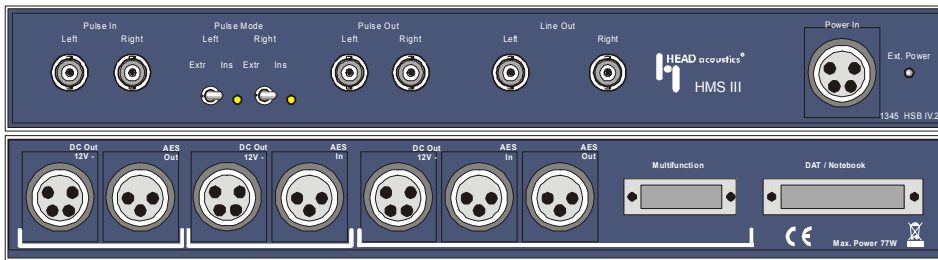
The HSB IV.2 allows the connection of a – low-noise – embedded PC or a notebook as well as up to two artificial heads, amplifiers, equalizers etc.

It is also possible to connect analog devices to the separate outputs of the HSB IV.2.

In addition, the HSB IV.2 features automatic pulse conditioning, which allows pulses that are not TTL-compatible to be converted to TTL format. Via the pulse inputs, it is possible, for example, to trigger artificial head recordings.



Configuration example: HEAD Torso Box with HSB IV.2, MPCX, PEQ V, BEQ II.1 and the HMS III.0 artificial head. The system can be controlled via the HCP touchscreen or the RC V remote control unit.



Front (top) and rear side (bottom) of the HSB IV.2; besides the low-noise embedded PC MPCX, it is possible to connect notebooks, artificial heads of the HMS III generation, the two-channel frontends BEQ II.1 and BEQ II.0, the programmable equalizer PEQ V and other digital and analog devices.

Technical data – HSB IV.2

Interfaces:	<p>Pulse inputs, left and right (2 x BNC) Pulse outputs, left and right (2 x BNC) Power supply HSB IV (XLR6) Power supply for HMS III.0 (XLR4) AES/EBU input for HMS III.0 (XLR3) AES/EBU output for HMS III.0 (XLR3) for external synchronization Power supply for BEQ (XLR4) AES/EBU input for BEQ (XLR3) for four-channel recordings Power supply for PEQ (XLR4) AES/EBU output for PEQ (XLR3) Power supply for notebook (DSUB25) Multifunction input for HMS III.0 (DSUB15)</p>
Operating voltage:	10 - 30 V (upper limit restricted with respect to HMS III.0), switchover to rechargeable battery at approx. 8.5 V
Max. input current:	20 A (sum of power input und fed through devices)
Power consumption:	5 W typ. (notebook off) 92 W max. (notebook supply: 80 W); the power supply to HMS III.0 (22 W), BEQ I (22 W) and PEQ (8 W) is fed through (total 60 W max.). Not protected.
Power supply notebook:	max. 80 W, permanently short-circuit-proofed, temperature-protected, output voltage is adapted for the notebook.
Pulses inputs:	Voltage decoupling, signal conditioning
Automat. sensitivity adjustment:	60 mV to 7 V (TTL-compatible)
Automat. offset compensation:	-7 V to + 7 V
Waveform:	all
Wave tail:	min. 5 μ s
Input impedance:	47 k Ω m, 100 pF
Upper limit frequency:	5 kHz (50 % pulse-pause)
Pulse outputs:	TTL-compatible
Temperature (operating):	0 - 50°C (32°F - 122°F)
Temperature (storage):	-20°C - 70°C (-4°F - 158°F)
Dimensions (W x D x H):	327 mm x 230 mm x 44 mm 12.87" x 9.06" x 1.73"
Weight:	1,9 kg (4.19 lb)

Scope of supply

- HSB IV.2 (Code 1345)
HEAD Supply Box
- PSH II (Code 1317)
Power Supply for HSB IV.2
- PCC I.9x (Code 997x)
Mains Cable for PSH II (country-specific)
- CXO I.1 (Code 5176-1)
Cable XLR 4-pin > pigtail, for external DC Power Supply, 1 m (39.37")
- CDD III.1 (Code 9813-1)
Cable D-Sub 15-pin > D-Sub 15-pin (HMS III.0 > HSB IV), 1 m (39.37")
- CXX III.1.5 (Code 5179-1.5)
Cable (Power Supply) XLR 4-pin male -> XLR 4-pin female, 1,5 m (59.06")
- CXX II.1.5 (Code 5177-1.5)
able (2 x) AES/EBU XLR 3-pin male <> XLR 3-pin female, 1,5 m (59.06")
- CXX II.03 (Code 5177-03)
Cable (2 x) AES/EBU XLR 3-pin male <> XLR 3-pin female, 0,3 m (11.81")
- CXX III.03 (Code 5179-03)
Cable (2 x) XLR 4-pin male -> XLR 4-pin female, 0,3 m (11.81") (Power Supply)
- CDP "Notebook" (Code 9816)
Power Supply (Notebook specific)
HSB IV.2 -> Notebook
- Manual