In addition to filters with outstanding sound properties, excellent dynamics and a low distortion factor, the HDLM 8 Loudspeaker Management Controller is characterised by its web-based user interface. All user-crucial parameters can be obtained in real time via web browser of a PC or Mac. Thanks to multi-client capability, several users can access the unit simultaneously.

A large high-definition colour display, clearly assigned buttons for navigation and input screens and the USB port enable hassle-free adjustments directly at the controller. When combined with a WLAN-USB stick, all functions can be controlled with a smartphone-app called goHDLM. The Linux-based operating system of the HDLM 8 can optionally be upgraded with a 1000 Mbit Ethernet interface.

PRODUCT SPECIFICATIONS

Processors	2 x FPGA - based DSP, Linux driven host
Analog Inputs	4 x balanced
Analog outputs	8 x balanced
Digital Inputs	2 x stereo AES / EBU
Signal Structure	8 x input busses / 8 x output channels
Input Bus EQs	12 to 24 dB HPF, 5 x parametric, high shelf, low shelf, 31 band graphic EQ
Output Channel Features	Gain, polarity, delay, loudspeaker assignment
Output Channel EQs	12 to 24 dB HPF, 4 x parametric, high shelf, low shelf
Loudspeaker Features	1 to 4 way, gain, polarity, peak limiter, thermal power limiter, offset delay
Loudspeaker EQs	6 to 48 dB HPF / LPF, parametric EQs, 6 to 12 dB high / low shelf, 1st and 2nd order allpass filters
Optional i/o	ADAT, AVB audio video bridging
Sample rate	96 kHz
Filter Topology	480 x high precision lattice-ladder IIR
Dynamic range	119 dB (lin) / 121 dB (A) typ
Latency	0,76 ms (analog in -> analog out) 0,92 ms (digital in -> digital out)
Cooling	Passive (no fan)
Origin	Made in Germany
Size / Weight	483 x 270 x 44 mm / 3.5 kg
Order No.	**01402/II**
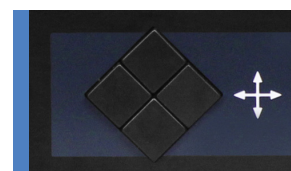
Cursor Buttons.
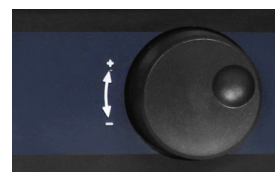
Rotary Encoder.

External USB antenna available as accessory.

SEEBURG
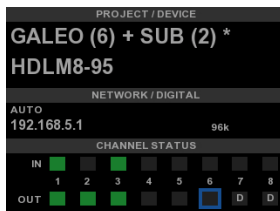acoustic line

SIGNAL PATH

Eight Inputs – Eight Outputs.

The HDLM8 provides eight Input Busses and eight Outputs. All signals of any physical input may be mixed together to each Input Bus. Each Output is fixed to its corresponding analog one and will get its signal by any Input Bus.

Physical Inputs

Analog A
Analog B
Analog C
Analog D
Digital 1
Digital 2
Digital 3
Digital 4
Digital 5
Digital 6
Digital 7
Digital 8

Mix n:1 →

8 x Input Bus

Input Mixer

Soft-Knee Compressor/ Limiter

Gain
Polarity

Local Group
Network Group

31 Band Graphic EQ
5 Band Parametric EQ
Low+High-Shelf EQ
High Pass Filter

Switch 1:n →

8 x Output = Physical Outputs

Input Bus Switch

Gain
Polarity
Delay

Local Group
Network Group

4 Band Parametric EQ
Low+High-Shelf EQ
High Pass Filter

Loudspeaker
12x X-Over/Phase Alignment/EQ
RMS+Voltage Limter

Startseite des HDLM

On the main page, the project name, the device name, the IP address and the status of all channels is shown.
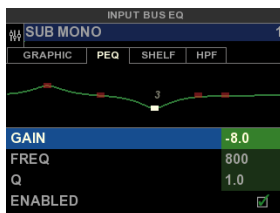
Projektmenü
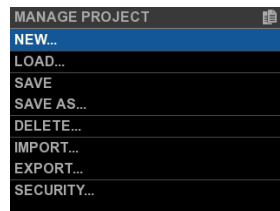
On the project page, projects can be stored, loaded, and exported to or imported from a USB stick.

Output Map

The Output map shows the activated speakers, levels and mute state.

EQ-Section

Wide range of tools like graphic and parametric EQ, low- and high shelf filters can easily be controlled directly at the controller.

Loudspeaker Library

The comprehensive loudspeaker library contains all SEEBURG systems as well as some standard systems. Based on these, projects can be created, including additional EQ and delay settings.
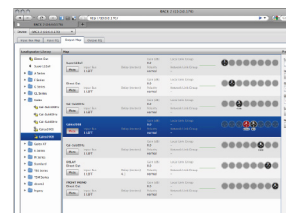
PC Anbindung

Image of the output map.

SEEBURG
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