

The HDLM 8 Loudspeaker Management Controller is capable of managing more complex sound reinforcement systems. A web browser based user interface with multi-client capability allows real time access from a PC or a Mac to user-critical parameters for multiple users simultaneously. Excellent dynamics, a low distortion factor and filters with outstanding sound properties ensure first class audio quality.

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



## PRODUCT SPECIFICATIONS

<b>Processors</b>	2 x FPGA - based DSP, Linux driven host
<b>Analog Inputs</b>	4 x balanced
<b>Analog outputs</b>	8 x balanced
<b>Digital Inputs</b>	2 x stereo AES / EBU
<b>Signal Structure</b>	8 x input busses / 8 x output channels
<b>Input Bus EQs</b>	12 to 24 dB HPF, 5 x parametric, high shelf, low shelf, 31 band graphic EQ
<b>Output Channel Features</b>	Gain, polarity, delay, loudspeaker assignment
<b>Output Channel EQs</b>	12 to 24 dB HPF, 4 x parametric, high shelf, low shelf
<b>Loudspeaker Features</b>	1 to 4 way, gain, polarity, peak limiter, thermal power limiter, offset delay
<b>Loudspeaker EQs</b>	6 to 48 dB HPF / LPF, parametric EQs, 6 to 12 dB high / low shelf, 1st and 2nd order allpass filters
<b>Optional i/o</b>	ADAT, AVB audio video bridging
<b>Sample rate</b>	96 kHz
<b>Filter Topology</b>	480 x high precision lattice-ladder IIR
<b>Dynamic range</b>	119 dB (lin) / 121 dB (A) typ
<b>Latency</b>	0,76 ms (analog in -> analog out) 0,92 ms (digital in -> digital out)
<b>Cooling</b>	Passive (no fan)
<b>Origin</b>	Made in Germany
<b>Weight</b>	3,5 kg
<b>Size</b> width x height x depth	483 (19") x 44 (1 HE) x 270 mm
<b>Order No.</b>	<b>01402/II</b> <b>01402/AC</b> (Alarm Card Extension) <b>01402/DC</b> (DANTE Card Extension)



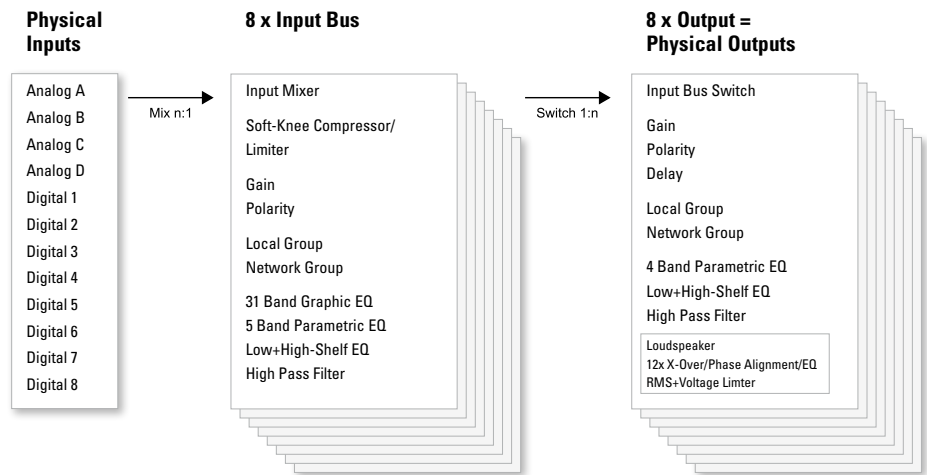
External USB antenna available as accessory.



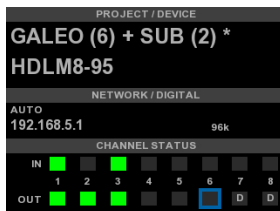
## SIGNAL PATH

### 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.

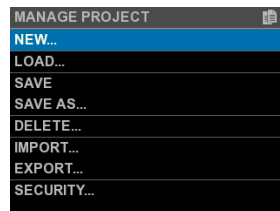


### Startseite des HDLM



On the main page, the project name, the device name, the IP address and the status of all channels is shown.

### Projektmenü



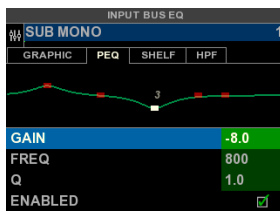
On the project page, projects can be stored, loaded, and exported to or imported from a USB stick.

### 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

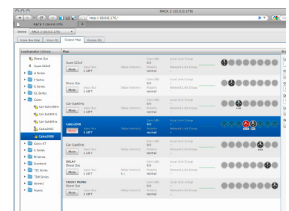


Image of the output map.