



## HARVEY mx.16

Audio and media control

### Overview

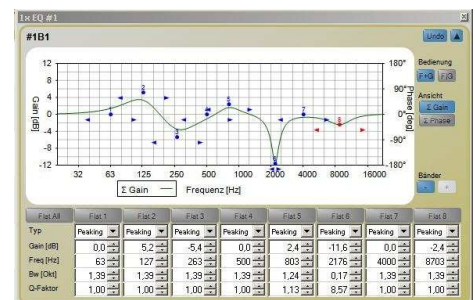
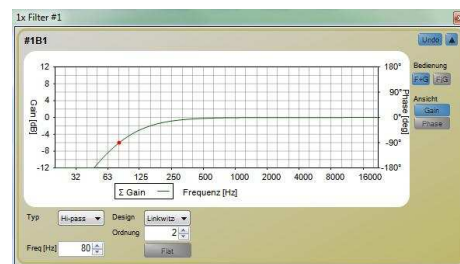
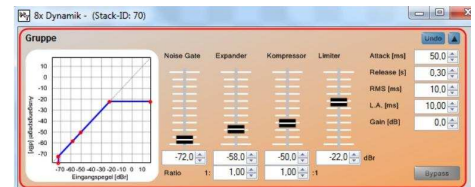
**HARVEY mx.16** is a flexible audio and media control matrix and a key component for pa systems and conference systems. It is equipped with 16 analog audio inputs and outputs as well as a great number of different control interfaces.

The unit has extensive audio processing functions that can be configured in a way that is tailored precisely to the respective application. These settings can also be saved as a preset and retrieved at the press of a button so that you can change fast between different installation options.

Due to the varied control interfaces HARVEY mx.16 can connect to very different devices and act as a central control unit for audio, lighting and media technology. It converts the data between the interfaces and eliminates the need for additional converters. All established media control systems such as Crestron, iPad, AMX, and Cue are suitable for controlling HARVEY mx.16 and all of the other devices connected to it. As such, the HARVEY mx.16 is the ideal audio and media control matrix for conference rooms, theatres, museums, home cinemas, educational facilities and multipurpose rooms.

### Audio Processing:

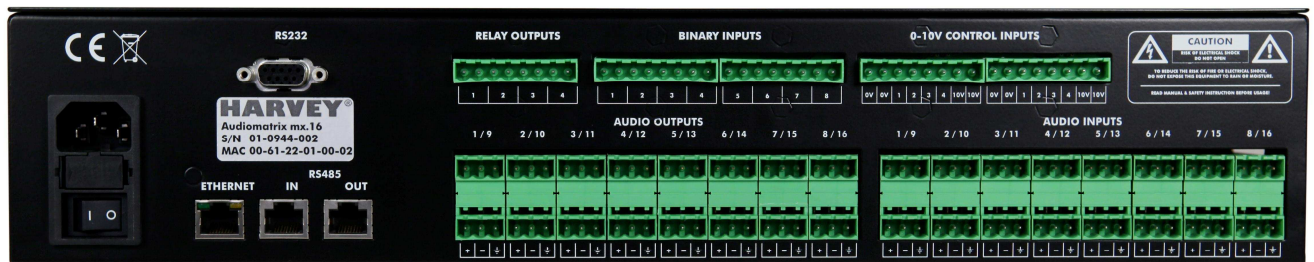
- Level, Mixer
  - Mixing matrix
  - Mixing matrix with crosspoint delay
  - Automatic mixer
  - Level control
  - Mute
  - Level meter
  - Ducker
  - Echo cancelling (forthcoming)
- Equalizer:
  - 8-Band parametric equalizer
  - Filter (highpass, lowpass, hi-shelf, lo-shelf)
- Dynamics
  - Compressor
  - Limiter
  - Expander
  - Noise Gate
  - Automatic Volume Control (AVC)
  - Automatic Gain Control (AGC)
- Delay: Delay - up to 1000 ms
- Logic
  - Logical operators
  - Logic to data string and data string to logic converter
  - Threshold dependent level to logic converter



GUI HARVEY Composer

## Technical Data

Audio Inputs:	8 analog Mic/Line inputs 8 analog Line inputs 24 bit Sigma-Delta A/D converter +48 V phantom power per Mic/Line input
Audio Outputs:	16 analog outputs 24 bit Sigma-Delta D/A converter
Cobranet:	for audio signal network (16 In/16 Out)
Ethernet:	10/100 BaseT, RJ-45, link activity LED
RS-485:	2 RJ-45 (max. 460 kbps)
RS-232:	1 Sub-D 9-pin female (max. 460 kbps)
Contact inputs:	8 Opto-Inputs (activated by connection to GND)
Contact outputs:	3 User-assignable relays, 1 Alive-Relay
Voltage inputs:	8 inputs 0 - 10 V



Rear view with connectors of mx.16

Dynamic range AD/DA:	>110 dBFS (A)
THD+N AD/DA:	< 0,005%
Max. Input level:	+21 dBu, +12 dBu, +6 dBu, +3 dBu switchable
Max. Output level	+21 dBu, +12 dBu, +6 dBu, +3 dBu switchable
Mains Power:	95 to 250 VAC 50/60 Hz, Euro Connector
Dimensions:	2 RU / 483 x 88 x 382 mm
Weight:	7 kg (15.4 lbs.)

**mass customization • state-of-the-art DSP technology • OEM delivery**

### CONTACT:

DSPECIALISTS  
Digitale Audio- und Messsysteme GmbH  
Helmholtzstraße 2-9 L  
10587 Berlin  
Germany

### ABOUT US:

The products of DSPECIALISTS are marked by our use of tried and tested standard components. And they can be tailor-made to meet your individual requirements. The range of products and services provided by DSPECIALISTS includes customer-specific modules as well as complete systems. We use DSP's, PC's, micro controllers, and programmable logic in our development work.

# DSPECIALISTS

Digitale Audio- und Messsysteme GmbH

Tel: +49 30 467805-0  
Fax: +49 30 467805-99  
E-mail: [sales@dspecialists.de](mailto:sales@dspecialists.de)

VISIT OUR WEBSITE:  
[www.dspecialists.de](http://www.dspecialists.de)  
[www.harvey-audio.com](http://www.harvey-audio.com)