

DRM-884 - Matrix + Paging System



The versatile audio matrix system DRM-884 ...

A general solution for versatile multi-room PA concepts with fixed installations in hotels, restaurants and bars, conference rooms, schools, sports and fitness centres.

The matrix system DRM-884 is a professional tool with extensive features which easily meets any requirement: users can combine signal sources, play one source in several zones or several sources in one zone, adjust the volume in each zone and much more. The audio matrix router DRM-884 is the heart of the system which is able to distribute a maximum of 8 analogue and 4 digital audio sources to just as many output zones, any assignment possible. You can either connect active speakers or a power amplifier with passive speakers to the output zones via Phoenix terminals.

The multifunctional matrix system is controlled via wall panels: modules DRM-884VAP and DRM-884VP allow you to remotely access, e.g. level and program selection in the different zones. The wall panel DRM-884IOP allows for other connection options are available, e.g. at the location of the PA application. The zone paging microphone DRM-884RC with zone selection can be connected for announcements.

Expand your options with the matrix system: if you need a larger number of inputs and outputs, the system can be extended from a maximum of 16 x DRM-884 and optional Dante(r) module to 192 inputs x 192 outputs by means of cascading.

With the Dante(r) extension module DRM-884DTM, the DRM-884 can quickly and easily be inserted into a Dante(r) audio network. For this purpose, there are an additional 8 digital inputs or 8 digital outputs available which can be assigned to either an analogue output or a Dante(r) channel.

Audio matrix router

- 8 analogue inputs and 8 analogue outputs
- 4 digital inputs and 4 digital outputs for the extensions DRM-884RC, DRM-884IOP and DRM-VAP
- An additional 8 digital inputs and 8 digital outputs via Dante(r) module DRM-884DTM, available at option
- DSP for inputs and outputs, control via software
- Integrated auto mixer, feedback controller and ducker
- Predefined types of filters 6-48 dB/oct. (Butterworth, Bessel, Linkwitz-Riley)
- Up to 2 zone paging microphones DRM-884RC can be connected
- Wall modules DRM-884IOP, DRM-884VAP and DRM-884VP can be connected as remote control
- Link function for several audio matrix routers DRM-884
- Can be remote-controlled via RS-232 interface or app (Android)
- LCD for showing device information
- LED status indication
- LED indication for clip and signal per input and output
- 482 mm (19") rack installation

System requirements: Windows 7/8/10

Technical data:

DSP	: 1
Smart Home Ready	: 1
App support	: 1
Description	: audio matrix router
Frequency range	: 20-20,000 Hz
Control range	: -
Control frequencies	: -
Input signal	: 7.75 V max.
Input sensitivity	: -
Input impedance	: 5 kOhm
Output signal	: 7.75 V max.
Output impedance	: 240 Ohm
Gain	: 0 dB, ± 1 dB
Phantom power	: 48 V
Compression	: 1:1-10:1 + limiter
Gate ratio	: 1:1-1:10
Crossover frequency	: variable, 20-20,000 Hz
High-pass filter	: var., 20-20,000 Hz, ± 18 dB max.
Low cut	: variable
Transmission ratio	: -
S/N ratio	: -
Channel separation	: ≥ 87 dB(A)
THD	: $< 0.01\%$
Admiss. ambient temp.	: 0-40 °C
Power supply	: \approx 230 V/50 Hz/80 VA
Dimensions	: 482 x 44 x 270 mm, 1 RU
Weight	: 4.22 kg
Inputs	: screw terminals
Outputs	: screw terminals
Other features	: 5 x RJ45