DRM-882LAN - Digital Matrix Router

Digital 8x8 matrix router

- 8 inputs and 8 outputs (plug-in screw terminals, switchable mic/line, balanced)
- +48 V phantom power
- User-defined routing of the inputs to the outputs
- The level of each routed input can be adjusted per assigned output (individual output mix)
- Up to 32 devices can be managed via software
- A/D converter: 4 x 24 bits, D/A converter: 1 x 24 bits
- Extensive signal processing and monitoring, e.g. frequency shift feedback eliminator, parametric 5-band equalizer with peak and shelving filters, variable low-pass/high-pass filters - optionally with Bessel, Butterworth or Linkwitz-Riley characteristics, RMS compressor, peak limiter, selectable phase, delay
- Integrated auto mixer
- 6-fold LED status cluster for each channel
- 6 user presets can be accessed directly
- Link feature for simultaneously changing the settings of several channels
- Stereo mode for the channels 1/2, 3/4, 5/6 and 7/8
- Dot matrix display with 2 x 24 characters
- Remote control via USB, RS-485 or TCP/IP LAN
- Real-time remote control via software
- Lock mode for front panel control
- Individual room control via optional wall-mounted remote control panel DRM-882WP or DRM-882WPX
- Robust steel housing with aluminium front panel
- 482 mm (19") rack installation, 1 RU

Input (data for each channel):

- Gain control with 0 dB bypass function
- Noise gate
- Mic/line switching
- Selectable priority circuit
- Parametric 3-band equalizer (peak, low-pass shelving, high-pass shelving)
- Frequency shift feedback eliminator

- Selectable phase (180°)

Output (data per channel):

- Low-pass filter/high-pass filter with Butterworth, Linkwitz-Riley and Bessel characteristics (to -24 dB/oct.). Even higher slopes possible in combination with equalizer
- Parametric 5-band equalizer with peak or low-pass/high-pass shelving filters
- Peak limiter and RMS compressor with a ratio of up to 32:1 and continuously adjustable soft/hard knee characteristics. Threshold: 18 dBu to -12 dBu, release time: 0.1-3 s, attack time: 5-200 ms
- Peak limiter and RMS compressor with bypass function
- Switchable delay between time (ms) and distance (m): 380.998 ms max. in steps of 21 µsec or 129.539 m max. in steps of 6.8 mm
- Selectable phase (180°)
- Gain control

Technical data:

DSP	: 1
Smart Home Ready	: 1
Description	: matrix router
Frequency range	: 20-20,000 Hz
Control range	: -
Control frequencies	: -
Input signal	: 6.2 V max.
Input sensitivity	: -
Input impedance	: -
Output signal	: 6.2 V max.
Output impedance	: -
Gain	: -
Phantom power	: -
Compression	: -
Gate ratio	: -
Crossover frequency	: 70Â Hz-1Â kHz, 12Â dB/oct., 910Â Hz-8Â kHz, 12Â dB/oct., subwoofer: 80/120Â Hz, 24Â dB/oct.
High-pass filter	: -
Low cut	: -
Transmission ratio	: -
S/N ratio	: ? 104 dB
Channel separation	: -
THD	: < 0.005%
Admiss. ambient temp.	: 0-40 °C
Power supply	: ∿ 230Â V/50Â Hz/20Â VA
Dimensions	: 482 x 44 x 250Â mm, 1Â RU
Weight	: 3.4 kg
Inputs	: 8 x plug-in screw terminal, bal.
Outputs	: line: 8 x plug-in screw terminal, bal.
Other features	: USB, RS-485, TCP/IP