

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 RS

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

Tekniske data

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| 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 RS |
| 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 |