



Key Features:

- 4 XLR MIC/LINE input channels, 4 stereo RCA-type AUX input channels.
- 2 XLR audio outputs.
- Level and tone control (Lo/Hi) in all input channels.
- Input channels can be independently assigned to the output channels and controlled via contact closures.
- Direct outputs for all MIC/LINE and AUX-channels. Pre/Post internally configurable.
- Priority control (ducking function) in the inputs MIC/LINE 1 and 2.
- Limiter in the inputs MIC/LINE 1 and 2 with internally selectable threshold.
- Separate summing controls for both outputs.
- VCA's in both output channels.
- Remote control via 8 external contacts:
- Optional RS-485 or RS-232 serial interface for connecting the DPM 4000 or a PC.

General Description:

The DRM 4000 is a rack-mixer and/or audio signal router offering eight audio inputs and two audio outputs. The inputs are divided into 4 MIC/LINE channels and four AUX channels. Each input channel can be freely assigned to either one or both output channels, offering mono two-channel operation, as well as, stereo operation modes.

The DRM 4000 can be used as a pre-mixer for the DPM 4000, expanding the amount of available input channels. DRM 4000 and DPM 4000 can be linked via an RS-485 remote-interface. Priority functions, preset switching and routing are easy to configure and operate.

The DRM 4000 Mixer & Router can also be used as stand-alone unit for simple sound reinforcement tasks, e.g. in a multimedia set-up, as well as for straightforward paging installations. Typical applications include the use as a mixer for sound reinforcement systems in conference rooms, multi-purpose facilities, clubs, restaurants, houses of worship, etc.



Technical Specifications:

Supply Voltage	24 V DC (21.6 to 31.2 V DC)
Nom. Power Consumption	(24 V) 700 mA
Max. Power Consumption	(24 V) 975 mA
Audio Inputs	4 x MIC / LINE, 4 x AUX, 1 X MIX IN
MIC/LINE Inputs	XLR-type connectors
Nom. Input Level	MIC: -60 to -10 dBu / 0.8 mV to 245 mV
	LINE: -30 to +20 dBu / 25 mV to 7.75 V
Max. Input Level	MIC: +11 dBu / 2.75 V
	LINE: +30 dBu / 24.5 V
Input Impedance	MIC: 3.6 k ohms
	LINE: 10 k ohms
Common Mode Rejection	> 50 dB
Limiter Operating Range	-10 dBu to +20 dBu (MIC/LINE 1 & 2)
AUX Inputs	2 x RCA-type connectors each, unbalanced
Nom. Input Level	-6 dBu respectively +4 dBu / 390 mV respectively 1.23 V
Max. Input Level	+15 dBu respectively +25 dBu / 4.4 V respectively 13.8 V
Input Impedance	> 19 k ohms
MIX Input	2 x RCA-type connectors, unbalanced
Nom. Input Level	0 dBu / 775 mV
Max. Input Level	+21 dBu / 8.7 V
Input Impedance	22 k ohms
Audio Outputs	
Master Output	A/B XLR-type connectors
Nom. Output Level	0 dBu / 775 mV
Max. Output Level	+21 dBu / 8.7 V
Output Impedance	< 120 ohms
Nom. Load Impedance	600 ohms
Send Output	2 x RCA-type connectors, unbalanced
Nom. Output Level	0 dBu / 775 mV
Max. Output Level	+21 dBu / 8.7 V
Output Impedance	< 100 ohms
Direct Outputs	Phoenix type terminal, unbalanced
Nom. Output Level	0 dBu / 775 mV
Max. Output Level	+21 dBu / 8.7 V
Output Impedance	< 100 ohms
Frequency Response	20 Hz - 20 kHz (-1.0 dB)
S/N Ratio	> 100 dB
THD MIC/LINE	< 0.03 %
THD AUX	< 0.01 %
Tone Control	LO ± 15 dB / 60 Hz
	HI ± 15 dB / 13 kHz
Low Cut	85 Hz / 12 dB per octave slope
Environmental temperature	+5°C to +40°C
Dimensions	483 x 43.6 x 351 (W x H x D in mm), 19", 1HU
Weight	10.4 lbs / 4.7 kg

Architecture & Engineering Specifications:

The rack-mixer / audio signal router shall offer eight audio inputs and two audio outputs. The inputs will be divided into four MIC/LINE channels and four AUX channels. Each input channel shall be independently assignable to either one or both output channels, offering mono two-Channel operation as well as stereo operation modes.

The unit shall be enabled for use as a pre-mixer for the DPM 4000, expanding the amount of available input channels. The DRM 4000 shall be capable of RS-485 communications with the DPM 4000. Priority functions, preset switching and routing shall be easy to configure and operate.

The unit shall also be enabled for use as a stand-alone unit for simple sound reinforcement tasks, e.g. in a multimedia set-up, as well as, for straightforward paging installations. The unit shall have four AUX input channels: each with two RCA-type connectors, volume and tone control (Lo/Hi) in all input channels, signal / peak LEDs (green / red) for monitoring the input level in all input channels and direct outputs for all MIC/LINE and AUX-channels. The unit shall also have priority control (ducking function) in the inputs MIC/LINE 1 and 2; and be controllable via external contacts, signal level with adjustable threshold (on the

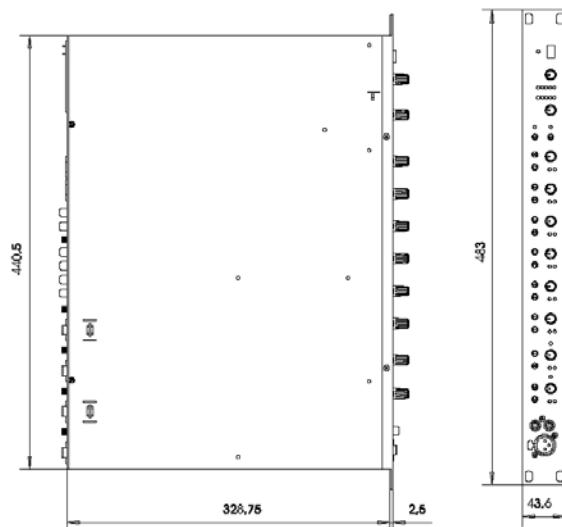
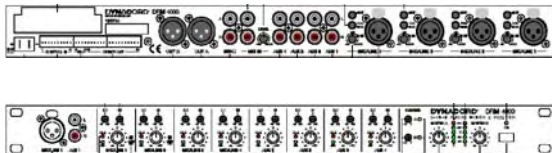
front) or via remote control, indicated via LED's on the front panel. There shall be VCA's in both output channels providing two VCA control inputs A / B for remotely controlling the volume setting via external potentiometer, and also controllable via serial interface (PC, DPM 4000, media-control) or via control contacts. In addition there shall be remote control functionality via external contacts: eight independently configurable control inputs for ducking MIC/LINE 1 and 2, preset switching, routing, volume switching, mute.

Available Accessories:

Model	Catalog No.	Description
NRS90227	121679	Output xformer
NRS90233	121682	Input xformer
NRS90256	121785	RS435 interface
NRS90258	121790	PC interface

Ordering Information:

Model	Catalog No.	Description
DRM4000	121784	8x2 Mixer/Router



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