

DRM 4000

8-IN-2 AUDIO MIXER & ROUTER



DYNACORD



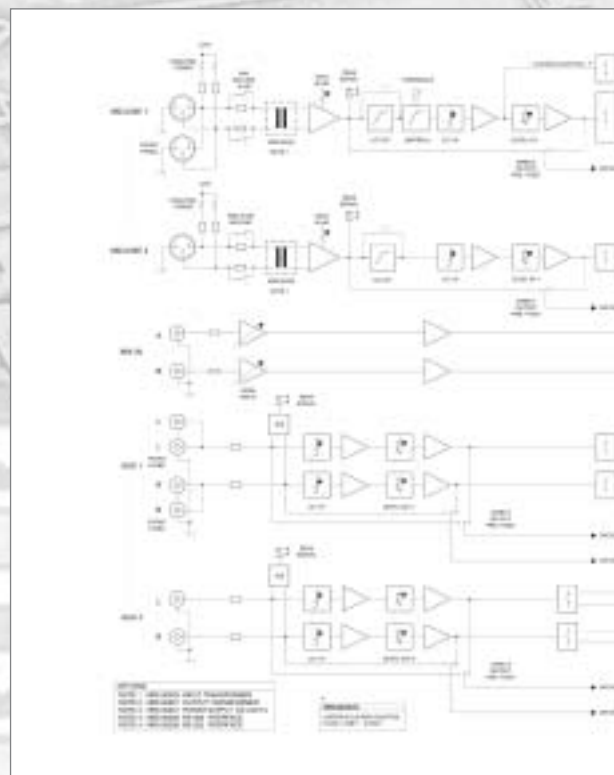
The DRM 4000 rack mixer offers 8 audio inputs and 4 output channels allowing monaural 2-channel operation. Employed in a PROMATRIX system the DRM 4000 can be configured both units are connected via remote control functions, preset switching and routing. Used as stand-alone unit the DRM 4000 also fulfills many tasks.

Areas Of Use

- Mixer for the sound reinforcement in conference rooms, multi purpose halls, event venues, gastronomy applications, houses of worship, etc.
- Employed in a PROMATRIX system, e.g. for connecting several sound sources and microphones with priority function and mixing ability.
- Employed in small paging systems.
- Integrated in media control systems.

Features

- 4 MIC/LINE input channels: XLR, electronically balanced, transformers are optionally available. Level controls on the front panel, Pad switch + Gain control + Phantom power switch on the rear panel, internally configurable High-Pass filter.
- 4 AUX input channels: 2 RCA-type connectors each, Level controls on the front panel.
- Sound controls (LO/HI) in all input channels, front panel controls are accessible through the use of a screwdriver.
- Signal / Peak LEDs (green / red) for monitoring the input levels of each input channel.
- All inputs can be freely assigned/mixed to the outputs. Controlling the DRM 4000 is possible from a DPM 4000 via remote interface connection, via control contacts or directly from a PC via optional RS-232 interface.
- Direct outputs for monitoring the MIC/LINE and AUX channels, which can be internally configured for pre or post listening. The audio signals are present via Phoenix-type connectors on the rear panel.
- Connectors on the front panel: 1 MIC/LINE input (XLR) and 1 AUX input (2 x RCA-type connectors); sockets are parallel-wired to MIC/LINE1 and AUX1.
- Priority control (ducking function) for two microphone channels MIC1 and MIC2. External contacts, the level of the audio signal (via threshold control on the front panel) or the remote signal can be used to trigger the ducking function. Active-Indication-LEDs on the front panel.

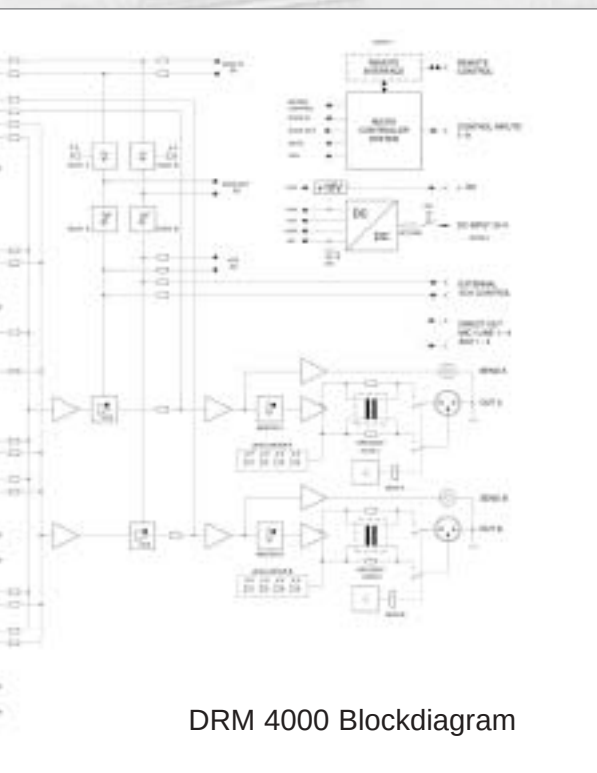




and 2 audio outputs. The inputs are configured as 4
out channel can be assigned to either one or both
ation as well as stereo operation.

D can be used in series with the DPM 4000. In this
interface which provides the possibility for priority

s smaller sound reinforcement and paging system



DRM 4000 Blockdiagram

- Microphone channels MIC1 and MIC2 employ limiters with internally adjustable threshold.
- 2 audio outputs: XLR, electronically balanced, transformers are optionally available. Separate master controls on the front panel.
- Separate LED-chain level meters for each output channel on the front panel.
- Internal VCAs for both output channels. Connection facility for external volume control (remote control of the master outputs). Control via serial interface (PC, DPM 4000, media control).
- MIX IN input for external signal feeds / stacking: 2 x RCA-type connectors, unbalanced. Level controls on the rear panel.
- Send output for recording / stacking: 2 x RCA-type connectors, unbalanced.
- ON-LED on the front panel.
- Remote control via external contacts: ducking MIC1 / MIC2, preset switching, routing.
- Optional: RS-485 control from the DPM 4000.
- Optional: RS-232 control directly from a PC.
- 24V power supply; 100 - 240 VAC power supply adapter is optionally available.
- Power-ON delay: delayed switching via relay prevents power-ON / OFF noise.
- Enclosure: 19" / 1HU.

RS-232 Interface (optionally available)

- Direct control of all routing possibilities via PC.
- Output level control via VCA.
- Configuration and storage of presets as well as preset switching via PC.
- Interface facility to connect to media control.

RS-485 Interface (optionally available)

- Controlling all routing possibilities from a DPM 4000 via macros.
- Ducking control from a DPM 4000 via macros.
- Output level control via VCA.
- Configuration and storage of presets via the PROMATRIX Designer software.
- Preset switching via DPM 4000.

Control Contact Interface

- 8 freely configurable control inputs (e.g. for preset switching, ducking control, muting, priority switching).
- 2 VCA control inputs A / B for remote volume control via external potentiometers.





Supply Voltage	24 V DC (19 ... 32 V DC)
Nom. Power Consumption (24 V)	700 mA
Max. Power Consumption (24V)	975 mA
Audio Inputs	4 x MIC/LINE, 4 x AUX, 1 x MIX IN
MIC/LINE Inputs	XLR-type sockets, electronically balanced, transformers optionally available
Nom. Input Level	MIC: -60 .. -10 dBu / 0.8 mV .. 245 mV LINE: -30 .. +20 dBu / 2.75 V .. 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
Limiter, Effective Range	-10 dBu .. +20 dBu
Common Mode Rejection	CMRR ≥ 50 dB
AUX Inputs	2 x RCA-type, unbalanced
Nom. Input Level	-6 dBu or +4 dBu / 390 mV or 1.23 V, internally configurable
Max. Input Level	+15 dBu or +25 dBu / 4.4 V or 13.8 V
Input Impedance	> 19 k ohms
MIX Input	2 x RCA-type, unbalanced
Nom. Input Level	0 dBu / 775 mV
Max. Input Level	+21 dBu / 8.7 V
Input Impedance	22 k ohms
Audio Outputs	
MASTER OUT A/B	XLR-type sockets, electronically balanced, transformers optionally available
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	2 x RCA-type, unbalanced
Nom. Output Level	0 dBu / 775 mV
Max. Output Level	+21 dBu / 8.7 V
Output Impedance	< 100 ohms
DIRECT OUT	Phoenix Micro-Combicron terminal strip, 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)
Dynamic Range	> 100 dB
Distortion (THD) MIC/LINE	≤ 0.03 %
Distortion (THD) AUX	≤ 0.01 %
Sound Control Effectivity LO/Hi	60 Hz / 13 kHz ± 15 dB
LO CUT Filter	85 Hz / -3 dB
Environmental Temperature	5° - 40° C
Dimensions (WxHxD)	19" (483 mm) x 1HU (43,6 mm) x 351 mm
Weight	4.7 kg / 10.4 lbs
Extensions	NRS 90233 Input Transformer (121 682) NRS 90227 Output Transformer (121 679) NRS 90257 Power Supply Unit (121 789) NRS 90256 RS-485 Interface (121 785) NRS 90258 RS-232 Interface (121 790)

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