



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE MLM 42S. You'll find the answers to all your questions on the RANE MLM 42S in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual RANE MLM 42S
User guide RANE MLM 42S
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Instructions for use RANE MLM 42S
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RANE DATA SHEET MLM 42S MIC/LINE MIXER



Description

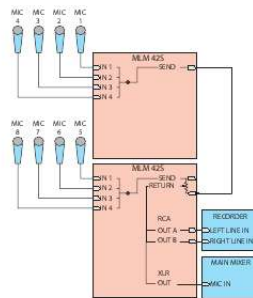
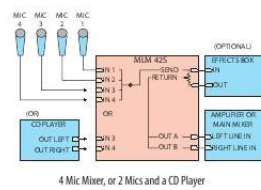
The evolution of the entertainment industry has necessitated the creation of an onboard mic/line device to complement existing mixing consoles. Whether you're recording, mobile mixing, or broadcasting, there are occasional needs to expand your existing arrangement. Frustrations abound when it came to adding mics for interviews, karaoke, and live performances because it was cost prohibitive. Now it's quite inexpensive to enhance your existing gear and expand the number of live mics for any rig. The MLM 42S is unique. These mic preamps give you the studio-grade quality you need.

Applications are everywhere. The MLM 42S is designed to fit into a variety of situations where cost is an issue and Rane quality is a must:

- Live Sound
- Studio and Remote Radio & Television Broadcasting
- Professional Night Club
- Fixed Commercial Installations
- DJ Mixer (Mic Expansion)
- Karaoke

Each input includes all the features you need:

- Input Level control with Overload indicator
- 15 Volt Phantom Power
- Dedicated mic and line input jacks
- 3-band Accelerated-Slope™, full-out tone controls
- Four quality mic preamps, quiet to -126 dBu EIN
- Post-mix Effects loop includes Wet/Dry pan control
- RCA unbalanced; XLR & 1/8" TRS balanced parallel outputs
- Balanced outputs Mic or Line selectable



Data Sheet-1



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Manual abstract:

Now it's quite inexpensive to enhance your existing gear and expand the number of live mics for any gig. The MLM 42S is unique. These mic preamps give you the studio-grade quality you need. Applications are everywhere. The MLM 42S is designed to fit into a variety of situations where cost is an issue and Rane quality is a must: Each input includes all the features you need: Input Level control with Overload indicator 15 Volt Phantom Power Dedicated mic and line input jacks 3-band Accelerated-Slope™, full-cut tone controls Four quality mic preamps, quiet to -126 dBu EIN Post-mix Effects loop includes Wet/Dry pan control RCA unbalanced; XLR & 1/4" TRS balanced parallel outputs Balanced outputs Mic or Line selectable Live Sound Studio and Remote Radio & Television Broadcasting Professional Night Club Fixed Commercial Installations DJ Mixer (Mic) Expansion Karaoke MIC 4 MIC 3 MIC 2 MIC 1 MLM 42S IN 1 IN 2 IN 3 IN 4 MIC 8 MIC 7 MIC 6 MIC 5 SEND MIC 4 MIC 3 MIC 2 MIC 1 (OPTIONAL) IN 1 IN 2 IN 3 IN 4 MLM 42S SEND RETURN MLM 42S IN 1 IN 2 IN 3 IN 4 (OR) CD PLAYER OUT LEFT OUT RIGHT OR IN 3 IN 4 OUT A OUT B SEND RETURN EFFECTS BOX IN OUT RCA OUT A OUT B RECORDER LEFT LINE IN RIGHT LINE IN MAIN MIXER AMPLIFIER OR MAIN MIXER LEFT LINE IN RIGHT LINE IN XLR OUT MIC IN 4 Mic Mixer, or 2 Mics and a CD Player Connecting 2 MLM 42S's for 8 Mic Inputs Data Sheet-1 MLM 42S MIC/LINE MIXER Parameter Mic

Inputs: Type

....Connectors (Mic/Line) .

.....

....Input Imped. (Mic/Line)

....Gain Range (Mic/Line)

.....

Max Input (Mic/Line)

....Max Input (Mic/Line)

....Frequency Response

.....

Equivalent Input Noise

....Common Mode Rejection

....THD+N

.....

Phantom Power Tone Controls: Type

....Boost/Cut Range

....Lo/Mid and Mid/High Effects Loop: Type

.....

Input Impedance

....Output Impedance

....Maximum Output A/B unbalanced outputs: Type

.....

Output Impedance

....Maximum Output Balanced Outputs: Type

....Output Imped. (Mic/Line)

.....

Max. Output (Mic/Line) ...

.....SN ...

.....THD+N ...

.....

..Control Feed-through Crosstalk Unit: Agency Listing Universal Line Voltage Unit: Construction ...

.....Size ...

.....Weight Shipping: Size ...

.....

..Weight Note: 0 dBu=0.775 Vrms Specification Active balanced XLR / TRS 836 / 3.32k 12 to 50 / 0 to 12 +10 / +22 -28 / +10 10 Hz-50 kHz -126 60 0.01 15 Accelerated-Slope +6 to full cut (off) 300 / 4k Active unbalanced 30.1k 300 +20 Active unbalanced; Mono 300 +20 Active balanced 51.1 / 150 -16 / +24 90 .0035 -80 -75 @ 1 kHz UL/cUL/CE 100-240 VAC, 50/60 Hz All Steel 1.75"H x 19"W x 5.3"D (1U) 4 lb 4.25" x 20.3" x 13.75" 8 lb Limit Units 1% 2 +.5,-.3 max min typ 5% typ 5% min 1% min 1% min 1% min typ typ max dB dBu dBu dB dBu dB % VDC dB Hz dBu dBu dBu dB % dB dB VAC Conditions/Comments Burr-Brown INA 163 Pin 2 = (+) hot / Tip-Ring-Sleeve each leg, 1 kHz 1 kHz min gain, 1 kHz max gain, 1 kHz mic gain = 50 dB mic gain = 50 dB, Rs=150 20-20 kHz 1 kHz, Rs = 150 mic gain = 40 dB, +4 dBu, 20-20 kHz disabled in line mode 2nd-order Linkwitz-Riley Separation frequencies 1/4" TS connector 1 kHz 1 kHz load = 10 k, 1 kHz RCA connectors; (same as A & B) 1 kHz load = 10 k, 1 kHz 1/4" TRS and XLR connectors 1 kHz load = 10 k, 1 kHz 20-20 kHz, 1 Line Input, unity, +4 dBu 20-20 kHz, +4 dBu, Line Input, unity all front panel level controls @ 1 kHz re +4 dBu, any channel to any channel 7 watts (4).

4 cm x 48.3 cm x 13.3 cm) (1.8 kg) (11 cm x 52 cm x 35 cm) (3.6 kg) Data Sheet-2 MLM 42S MIC/LINE MIXER PHANTOM POWER +15 OFF 2 MIC Block Diagram LO +6 dB TO OFF MID HIGH + 3USE ONE INPUT ONLY 1 3-BAND TONE CONTROL OL MIC GAIN 12 TO 56 dB LINE GAIN 0 TO 12 dB PHANTOM POWER +15 OFF +6 dB TO OFF LO MID HIGH 3-BAND TONE CONTROL USE ONE INPUT ONLY MIC GAIN 12 TO 56 dB LINE GAIN 0

TO 12 dB PHANTOM POWER +15 LO +6 dB TO OFF MID HIGH OL CH 1 LEVEL +0 SEND CH 1 INPUT LINE OL +0 WET/DRY PAN EFFECTS MIC 2
1 + 3- RETURN CH 2 LEVEL MASTER LEVEL CH 2 INPUT LINE +0 A UNBALANCED OUTPUT +0 B MIC 2 1 + 3USE ONE INPUT ONLY 3-BAND
TONE CONTROL OL MIC GAIN 12 TO 56 dB LINE GAIN 0 TO 12 dB PHANTOM POWER +15 OFF LO +6 dB TO OFF MID HIGH CH 3 LEVEL +6 dB
LINE 40 dB MIC PAD MIC BALANCED OUTPUT + 3 2 1 CH 3 INPUT LINE MIC 2 1 + 3USE ONE INPUT ONLY 3-BAND TONE CONTROL OL MIC
GAIN 12 TO 56 dB LINE GAIN 0 TO 12 dB CH 4 LEVEL CH 4 INPUT LINE Accelerated-Slope™ Tone Controls Rane's patented tone control technology
produces steeper slopes than normal, thus allowing boost/cut of high and low frequencies without disturbing the critical midband frequencies. @ RANE
CORP. @ XLR connectors shall be provided for mic-level input. TRS switching jacks shall be provided for line-level input. @@@@Unbalanced
output jacks shall be RCA type. @@@@Each microphone input shall operate with or without 15 volt phantom power.
1/4" TRS inputs shall operate at line-level with a gain range of 0 to 12 dB. If the Line input is inserted, phantom power shall be defeated. The unit shall be
capable of operation by means of its own built-in universal power supply operating at 100-240 VAC and meet CE requirements. The unit shall be UL and cUL
listed. The unit shall be entirely constructed from cold-rolled steel.
@@@@DOC 107609.



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