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You can read the recommendations in the user guide, the technical guide or the installation guide for RANE DMS 22. You'll find the answers to all your questions on the RANE DMS 22 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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RANE DATA SHEET DMS 22 DUAL MIC STAGE



General Description

The DMS 22 is a dual channel studio-grade microphone stage with equalization and a stereo mixer. Perfect for studio recording in direct-to-tape or hard disk applications, the audio quality surpasses that found in most professional mixing consoles. The DMS 22 is useful in installations when comprehensive mic equalization is required.

Each microphone XLR Input features switchable 48V Phantom Power, Polarity Invert switch, and Input Gain control. A balanced, line-level 1/2" TRS Output with Output Level control is provided for each Channel. Pan controls (defeatable) send a separate XLR stereo pair of Mix Outputs, allowing a stereo mix of the two

microphones when hard left/right is not appropriate.

A 3-band Equalizer on each Channel offers a broad palette of tonal control (activated with the EQ Engage switch). Accelerated-Slope™ (U.S. Patent 5,046,105) tone controls provide steep phase-corrected slopes that eliminate most of the traditional interaction between shelving and midband controls. Shelving frequencies are switch selectable for High (7 kHz and 12 kHz) and Low (50 Hz and 100 Hz) controls. A parametric Mid provides sweepable frequency and selectable bandwidth.

Each Output features a selectable 15/50/100 Hz Low Frequency Filter to remove mic bumps and rumble that might otherwise overload a good recording.

Features

- Dual Mono/Stereo Mic Stage
- +48V Phantom Power
- Polarity Switches
- Gain and Output Controls
- Stereo Outputs with Separate Pan and Level Controls
- Accelerated-Slope™ Low & High EQ
- Parametric Midrange EQ
- Selectable 15/50/100 Hz Low Filter
- Balanced Output Line Drivers
- UL/CSA/CE and 100/120/230 VAC Remote Power Supplies

Data Sheet-1



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Manual abstract:

@@Each microphone XLR Input features switchable 48V Phantom Power, Polarity Invert switch, and Input Gain control. A balanced, line-level 1/4" TRS Output with Output Level control is provided for each Channel. Pan controls (defeatable) send to a separate XLR stereo pair of Mix Outputs, allowing a stereo mix of the two microphones when hard left/right is not appropriate. @Accelerated-Slope™ (U.S. @@@@A parametric Mid provides sweepable frequency and selectable bandwidth. Each Output features a selectable 15/50/100 Hz Low Frequency Filter to remove mic bumps and rumble that might otherwise overload a good recording. Features Dual Mono/Stereo Mic Stage +48V Phantom Power Polarity Switches Gain and Output Controls Stereo Outputs with Separate Pan and Level Controls Accelerated-Slope™ Low & High EQ Parametric Midrange EQ Selectable 15/50/100 Hz Low Filter Balanced Output Line Drivers UL/CSA/CE and 100/120/230 VAC Remote Power Supplies Data Sheet-1 DMS 22 DUAL MIC STAGE Features and Specifications Parameter Mic Input: Impedance ...

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..Gain Range ...

.....Phantom Power ...

.....Equivalent Input Noise ...

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..Max Input Level ...

.....Connectors EQ Section: Bands ...

.....Boost/Cut Range ...

.....

..Low Frequencies ...

.....Hi Frequencies ...

.....Mid Frequency Sweep ...

.....

..Mid Bandwidth Range Low Frequency Filters RFI Input Filters Frequency Response Output: Design ...

.....Impedance ...

.....Connectors THD+Noise IM Distortion Signal to Noise Ratio Overload LED Threshold Unit: Agency Listing ...

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..120 VAC model ...

.....230 VAC model Power Supply: Agency Listing ...

.....120 VAC model ...

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..230 VAC model ...

.....100 VAC model Power Supply Requirement Maximum Current Unit ...

.....Construction Unit: Size ...

.....

..Weight Shipping: Size ...

.....Weight Note: 0 dBu = 0.775 Vrms Specification 1k +15 to +60 +48 -130 6 XLR 3 +12/-15 50/100 (midpoints) 7k/12k (midpoints) 95 to 4k 0.33 / 1.

0 / 2.0 15/50/100 Yes 20-20 kHz Active balanced 100 XLR and 1/4" TRS 0.009 0.02 0.03 97 (re +4 dBu) -130 dBu 16 Class 2 Equipment UL & CSA CE-EMC CE-Safety UL CSA CE-EMC CE-Safety Built to JIS 18 VAC w/center tap 750 All Steel 1.75" H x 19" W x 8.5" D 7 lb (w/o power supply) 4.25" x 20.3" x 13.75" 11 lb Limit 1% 2 4% 2 1 Units ohms dB VDC dBu dBu Conditions/Comments Balanced 500 + 500 DIN 45596 & IEC 268-15 20 kHz BW, 60 dB gain, 150 ohm source Min gain Accelerated Slope™ design 1 5% 5% 10% 5% 5% +0/-.

5 1 0.002 0.01 0.01 1 1 1 dB Hz Hz Hz oct Hz dB ohms % % % dB dB dB Each leg to ground Pin 2, tip positive +4 dBu, 20-20 kHz min gain +4 dBu, 20-20 kHz max gain +4 dBu +15 dB gain, 20 kHz BW +60 dB gain, 20 kHz BW All critical nodes monitored National Electrical Code Exempt Class 2 equipment EMC directive 89/336/EEC Exempt per Art. 1, LVD 73/23/EEC Class 2 Equipment File no.

E88261 File no. @@@@The unit shall consist of two mono channels with a separate stereo mix output. Each input shall provide switchable 48 volt phantom power. Polarity invert switches shall be provided for each channel. Three bands of equalization shall be available for each channel.

The low and high bands shall be designed to produce shelving characteristics with switchable turnover points. @An EQ engage switch shall be provided for each equalizer section. @@@The unit shall be exempt from agency safety requirements and powered from a UL listed, CSA certified remote power supply (120 VAC) or CE certified (230 VAC) via a rear panel input modular plug. The unit shall be a Rane Corporation DMS 22 Dual Mic Stage Preamplifier.

Available Accessories · SC 1.7 Security Cover References 1. D. @Soc., vol 40, pp.1018-1024 (Dec.

1992). 2. D. Bohn, "Audio Signal Equalizer Having Accelerated Slope Phase Shift Compensated Filters," U.S. Patent 5,046,15 (Sep. 1991). ©Rane Corporation 10802 47th Ave. @DOC 103227 PN 08038 3-98.



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