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You can read the recommendations in the user guide, the technical guide or the installation guide for RANE SM 26B. You'll find the answers to all your questions on the RANE SM 26B 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 SM 26B SPLITTER MIXER



General Description

The Rane Model SM 26B Splitter Mixer is one of the most useful, yet unusual and products available. In its most basic configuration, it is a six-to-two line-level mixer. It will accept six balanced or unbalanced line-level inputs which are applied to six Level and Pan controls. An additional stereo Master Input allows a total of eight inputs. The result of the mix is sent to an overall Master Output Level control and appears at the Left and Right Outputs on the rear. In its splitter mode, the SM 26B can take one or two line-level inputs and split these to any of the six Mono Outputs on the rear. The Mix/Pan controls in this mode control the level from each of the two input buses to be applied to each Output. Internal header blocks allow the Mix Outputs to become an independent stereo out, allowing a total of eight outputs. The SM 26B may also be used as a six input, six output buffer amplifier in which case signal applied to Input 1 is delivered to Output 1, and so on.

Features

- 10 dBu to +4 dBu Shifter
- +4 dBu to -10 dBu Shifter
- 6 Balanced Mono Inputs, 6 Balanced Mono Outputs
- 2 Main Balanced Inputs, 2 Main Balanced Outputs
- 6 Input Level Controls and 6 Mix/Pan Controls
- Master Input and Output Level Controls
- UL/CSA/CE and 100/120/230 VAC Remote Power Supplies

Applications

- 6 Mono Inputs, Stereo Output Line Mixer
- 4 Stereo Inputs, Stereo Output Line Mixer
- Stereo Input, 6 Mono Output Line Splitter
- 1 Stereo Input, 4 Stereo Output Splitter
- 6-In, 6-Out Booster Amplifier
- Configurable to 8 Outputs

Data Sheet-1



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Manual abstract:

@@An additional stereo Master Input allows a total of eight inputs. @@In its splitter mode, the SM 26B can take one or two line level inputs and split these to any of the six Mono Outputs on the rear. The Mix/Pan controls in this mode control the level from each of the two input buses to be applied to each Output.

Internal header blocks allow the Mix Outputs to become an independent stereo out, allowing a total of eight outputs. The SM 26B may also be used as a six input, six output buffer amplifier in which case signal applied to Input 1 is delivered to Output 1, and so on. The SM 26B may also be used in a combination of modes at once. For instance, Inputs 1 through 3 may be mixed to the left and/or right output busses while at the same time Outputs 4 and 5 are delivering signal originally applied to the Left and Right Master Inputs while at the same time Output 6 is being driven from Input 6 in the straight through mode. The front of the SM 26B comprises a Master Input Level control, six Channel Level controls, six Mix/Pan controls and a Master Output Level control. The rear of the SM 26B provides two Master Left and Right Inputs, six Channel Mono Inputs, six Channel Mono Outputs and two Master Mix Output. All Inputs and Outputs on the SM 26B are 1/4" TRS active balanced.

See the RaneNote, "The SM 26B Swiss Army Mixer" for additional application information, available from our website. Features 0 dBV to +4 dBV Shifter +4 dBu to 0 dBV Shifter 6 Balanced Mono Inputs, 6 Balanced Mono Outputs 2 Main Balanced Inputs, 2 Main Balanced Outputs 6 Input Level Controls and 6 Mix/Pan Controls Master Input and Output Level Controls UL/CSA/CE and 00/20/230 VAC Remote Power Supplies Applications 6 Mono Inputs, Stereo Output Line Mixer 4 Stereo Inputs, Stereo Output Line Mixer Stereo Input, 6 Mono Output Line Splitter Stereo Input, 4 Stereo Output Splitter 6-In, 6-Out Booster Amplifier Configurable to 8 Outputs Data Sheet- SM 26B SPLITTER MIXER Features and Specifications Parameter Inputs: Type

....
.....
.Connectors

.Impedance

.....
.Connectors

.Impedance

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.L-R Panning

.Channel-Channel Mean Time Between Failure Unit: Agency Listing

.120 VAC model

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.230 VAC model Power Supply: Agency Listing

.120 VAC model

.230 VAC model

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

.Size

.Weight Shipping: Size

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.Weight Note: 0 dBu=0.775 Vrms UL CSA CE-EMC CE-Safety Built to JIS CE (safety) 18-24 VAC w/center tap 300 All Steel 1.75" H x 19" W x 5.3" D 5 lb (w/o power supply) 4.25" x 20.3" x 13.75" 9 lb 0.1 Vrms mA RMS current from remote supply 19" 1U Rackmount (4.4 cm x 48.

3 cm x 13.5 cm) (2.3 kg) (11 cm x 52 cm x 35 cm) (4.1 kg) Class 2 Equipment UL & CSA CE-EMC CE-Safety 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. @@@@Expanding existing console limitations is simple. @@@@The SM 26B provides full expansion capabilities for all applications. @@@@The question arises regarding mic levels. @@@@This provides the ability to locate the mic preamp close to the mic's location.

Data Sheet-3 SM 26B SPLITTER MIXER Rear Panel SM 26B POWER MADE IN U.S.A. RANE CORP. ACN 001 345 382 INPUT LEFT EXP. OUT INPUT RIGHT EXP. OUT 6 5 MONO IN 4 3 2 1 6 5 MONO OUT 4 3 2 1 LEFT MIX OUTPUT RIGHT 300mA CLASS 2 EQUIPMENT INPUT EXPAND OUT INPUT EXPAND OUT 6 5 4 3 2 1 6 5 4 3 2 1 LEFT RIGHT ALL INPUTS AND OUTPUTS ARE BALANCED -- TIP=POS RING=NEG SLEEVE=CHASSIS GROUND Architectural Specifications The splitter mixer unit shall have six (6) mono inputs, six (6) mono outputs, two (2) master inputs, and two (2) master outputs. The unit shall be capable of mixing or splitting any inputs to any outputs simultaneously. Each mono input shall have a level control with a range of off to +12 dB gain. Separate +12 dB gain Master Input and Output Level controls shall be provided.

Complete expansion capabilities shall be provided to allow any number of similar units to be coupled together. A combination Mix or Pan control shall be provided on each of the six (6) mono channels to allow any output to be a mix of the two master inputs, or to allow any mono input to be panned between the two master outputs. The inputs and outputs shall be active balanced designs terminated with 1/4" TRS (tip-ring-sleeve) connectors. RFI filters shall be provided. Ultrasonic filters shall be built-in. @@The unit shall be entirely constructed from cold-rolled steel. @@@@DOC 107369 .



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