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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 OPERATORS MANUAL SM 26B SPLUTTER MIXER



QUICK START

Realizing that in most areas there are laws against reading owners manuals, and that reading them under the blankets at night with a flashlight makes you feel stupid, we therefore provide this brief, yet informative, description of how to use the SM 26B just in case your batteries are low and your mother is about to come in the room.

To achieve a quick understanding of the SM 26B, think of it as a six channel mixer with faders and pans only. Or think of it as a 2-to-6 channel splitter with output level controls and a mix knob (to control how much of which input goes to which output). If you get that, you may stop here as long as you know how to hook up the power supply.

As a six channel mixer, MONO IN 1 through 6 may be placed on the Right or Left bus or both, in any amount. The respective LEVEL knobs on the front of the unit serve as the mixer's faders, the adjacent PAN controls place the channel's signal into the stereo field. As an effects mixer or line level expander for a larger mixer, set up the LEVELS and adjust the PANS. The MASTER OUTPUT LEVEL adjusts the overall level of the mix at the Master Outputs.

As a splitter, place one or both input signals into the LEFT and/or RIGHT Inputs. Select the Input(s) to be placed at each of the six MONO OUTs by rotating the MIX/PAN control to the proper position. Set the individual CHANNEL LEVEL controls for proper output level. The MASTER INPUT LEVEL control on the front adjusts both Right and Left Input signal levels together.

Never connect anything except an RS 1 or other approved Rane AC power supply to the red thing that looks like a telephone jack on the rear of the SM 26B. This is an AC input and requires some special attention if you do not have an operational power supply exactly like the one that was originally packed with your unit. See the full explanation of the power supply requirements elsewhere in this manual.

SM 26B CONNECTION

When connecting the SM 26B to other components in your system for the first time, *leave the power supply for last*. This gives you a chance to make mistakes and correct them before damage is done to anything fragile.

As you have no doubt noticed, all Inputs and Outputs on the SM 26B's rear panel are 1/4" connectors. The Inputs and Outputs are active balanced on Tip-Ring-Sleeve (TRS) jacks which allow the flexibility of connecting in either a balanced or unbalanced fashion. If unbalanced operation is your preference, the simplest way to accomplish this is through the

use of tip and sleeve 1/4" connectors. The ring is not essential unless balanced operation is required. You should be aware that if you are running unbalanced and using TRS connectors with both ring and tip, the ring and sleeve must be shorted together. Failure to do so on the inputs results in a gain loss of 6dB.

Balanced operation requires that TRS plugs be used. The tip is hot (+), the ring is return (-) and the sleeve is ground. RaneNote 110, "Sound System Interconnection" (included here) contains some great pictures to aid your interconnect ventures.

WEAR PARTS: This product contains no wear parts.

Manual-1



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Manual abstract:

To achieve a quick understanding of the SM 26B, think of it as a six channel mixer with faders and pans only. Or think of it as a 2-to-6 channel splitter with output level controls and a mix knob (to control how much of which input goes to which output). If you get that, you may stop here as long as you know how to hook up the power supply. As a six channel mixer, MONO IN 1 through 6 may be placed on the Right or Left bus or both, in any amount. @@@The MASTER OUTPUT LEVEL adjusts the overall level of the mix at the Master Outputs. As a splitter, place one or both input signals into the LEFT and/or RIGHT Inputs. Select the Input(s) to be placed at each of the six MONO OUTs by rotating the MIX/PAN control to the proper position. Set the individual CHANNEL LEVEL controls for proper output level. @@@@This is an AC input and requires some special attention if you do not have an operational power supply exactly like the one that was originally packed with your unit. See the full explanation of the power supply requirements elsewhere in this manual. SM 26B CONNECTION When connecting the SM 26B to other components in your system for the first time, leave the power supply for last. This gives you a chance to make mistakes and correct them before damage is done to anything fragile. @@@@The ring is not essential unless balanced operation is required. @@Failure to do so on the inputs results in a gain loss of 6 dB. Balanced operation requires that TRS plugs be used.

@@@POWER indicator: When this yellow LED is lit, the SM 26B is ready to go. MASTER OUTPUT LEVEL controls the amount of signal at the MIX OUTPUT jacks. It does not affect the level of any of the six MONO OUTs. This control changes the gain of the output stages. This allows an increase in headroom to eliminate overloading due to excessive combined signal from one or more Inputs.

Range of gain is from Off to 0dB (unity). Refer to the block diagram in the SM 26B Data Sheet and/or schematics. MONO INPUT LEVEL controls the Level of signal through each particular channel. When fed from the MONO IN jack, each stage has a gain range from Off to +12 dB minimum, allowing level matching of -10 dBV equipment to +4 dBu gear. When fed via the LEFT & RIGHT INPUT(s), these CHANNEL LEVEL controls automatically limit to a maximum of unity gain to accommodate the +12dB available from the Left & Right Input gain stages. @@@@These Inputs feed all six MONO OUTs when all MONO INs are not used. @@@RING is signal - (pin 3 in a 3-pin connector). SLEEVE is chassis ground. @@@NOTE: These Expand Outputs are not buffered from the Master Inputs. @@@@Follow wiring conventions as in #1.

@@Follow wiring conventions as in #1. LEFT & RIGHT MIX OUTPUTS: These balanced TRS 1/4" outputs are controlled by the MASTER OUTPUT LEVEL control. They are fed either by the Master LEFT & RIGHT INPUTS (respectively) or by any of the six MONO INPUTS, or a combination of both (Rane Note 108 helps). Follow wiring conventions as in #1. Remote power supply input: The SM 26B is supplied from the factory with a Model RS 1 Remote Power Supply suitable for connection to this input jack. @@This is not a telephone jack. @@Chassis ground point. A #6-32 screw is used for chassis grounding purposes. @@@@Normally, the LEFT and RIGHT MIX OUTPUTS produce the sum mix of all 6 LEVEL and PAN controls. To break any Channel away from the Mix Output bus, jumpers have been provided.

Jumper 1W2 connects MONO OUT 1 to the mix bus. 2W2 connects MONO OUT 2, 3W2 connects MONO OUT 3, and so on. POWER SUPPLY As noted elsewhere in this manual, never use a power supply with your SM 26B other than the one supplied with your unit or an exact replacement obtained from Rane Corporation. The SM 26B's power supply is an AC supply, which is a 18 - 24 volt center tapped transformer capable of supplying the current demanded by this product. @@@@Here are some things to try: 1.

@@2. @@3. Units with outboard power supplies, such as the SM 26, do not ground the chassis through the line cord. Make sure that these units are grounded either to another chassis which is earth grounded, or directly to the grounding screw on an AC outlet cover by means of a wire connected to a screw on the chassis with a star washer to guarantee proper contact. Please refer to RaneNote 110, "Sound System Interconnection" in this manual for further information on system grounding.

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