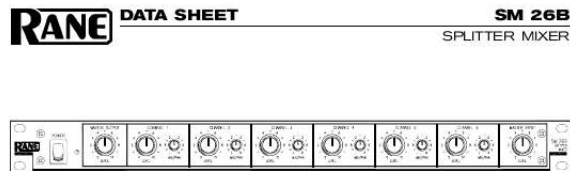




# Your PDF Guides

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.

User manual RANE SM 26B  
User guide RANE SM 26B  
Operating instructions RANE SM 26B  
Instructions for use RANE SM 26B  
Instruction manual RANE SM 26B



#### General Description

The Rane Model SM 26B Splitter Mixer is one of the most useful, yet unusual audio 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 Output jacks 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 Output jacks 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 dBV to +4 dBu Shifter
- +4 dBu to -10 dBV Shifter
- Six Balanced Mono Inputs, Six Balanced Mono Outputs
- Two Main Balanced Inputs, Two Main Balanced Outputs
- Six Input Level Controls and Six Mix/Pan Controls
- Master Input and Output Level Controls
- UL/CSA/CE and 100/120/230 VAC Remote Power Supplies

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 RaneNote 108, "The SM 26B Swiss Army Mixer" for additional application information.

#### 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 Eight Outputs

Data Sheet-1



[You're reading an excerpt. Click here to read official RANE SM 26B user guide](http://yourpdfguides.com/dref/3395599)

<http://yourpdfguides.com/dref/3395599>

**Manual abstract:**

*@@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 Output jacks 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 Output jacks 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.*

*@@@@@1, LVD 73/23/EEC Class 2 Equipment File no. E88261 File no.*

*LR58948 EMC directive 89/336/EEC LV directive 73/23/EEC Japan only LV directive 73/23/EEC 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) Note: 0 dBu=0.775 Vrms Unity Gain = Master Levels Set to ~ "7" Position Data Sheet-2 SM 26B SPLITTER MIXER Block Diagram Application Information Aptly nicknamed the "Swiss Army Mixer", the SM 26B is an extremely versatile single rack-space tool providing a number of different functions to solve a broad spectrum of line-level signal routing problems. Whether the need is for line mixing, line distribution or line matching/amplification, the SM 26B easily performs these tasks, along with additional features for even more flexibility. @@Expanding existing console limitations is simple.*

*@@@@@@Please consult Rane Note 108 for in-depth application information. The SM 26B provides full expansion capabilities for all applications. @@@@The question arises regarding mic levels. @@@@The MS 1 is a single channel mic preamplifier with a true differential input and balanced output. This provides the ability to locate the mic preamp close to the mic's location. Data Sheet-3 SM 26B SPLITTER MIXER Rear Panel 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.*

*@@@@@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. The unit shall be a Rane Corporation SM 26B. Available Accessories · SC 1.7 Security Cover · MS 1 Microphone Preamplifier References 1. D. Bohn, "SM 26B Swiss Army Mixer," RaneNote 108, (1984). 2. T. @@@@DOC 103205 PN 07326 9-98 .*



[You're reading an excerpt. Click here to read official RANE SM 26B user guide](http://yourpdfguides.com/dref/3395599)  
<http://yourpdfguides.com/dref/3395599>