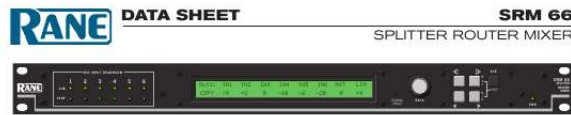




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE SRM 66. You'll find the answers to all your questions on the RANE SRM 66 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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General Description

The SRM 66 provides a cost effective solution for systems requiring any combination of zone distribution, room combining, and remote level control. Split, route, and mix functions are implemented with a six input, six output matrix mixer. The SRM 66 allows independent routing and mix-level adjustment of any Input to any Output.

Control consists of a backlit LCD, five buttons and a Data wheel. All programming is accomplished using eleven easily accessible edit pages. Six pages control Output programming, four for Group programming and one for Memory functions.

Inputs and Outputs are line-level balanced and equipped with Euroblock connectors. Rear panel Gain switches on each Input and Output allow -10 dBV or +4 dBu sensitivity. Front panel Mix Input Headroom LEDs indicate the remaining headroom for each of the six inputs at 4 dB and 16 dB.

Programmable Output Limiters prevent mixer overload. If Output level exceeds the Limit Threshold, all six mix levels for the given Output are reduced, maintaining the proper mix.

Each Output features an internally switchable 2nd-order 80 Hz Highpass filter. These filters are useful in conjunction with constant-voltage line transformers or small sound-reinforcement speakers.

The SRM 66 uses Output Groups to "link" attenuation levels and Limiter gain reduction of one or more Outputs. Outputs may be assigned to one of six Output Groups. For example, a stereo Output pair would typically be assigned to the same Output Group. This ensures that they limit together and are controlled by a common Output Group attenuation or Remote. Output Group Levels are the only parameters not affected by Memory changes.

Outputs are assigned to any one of the six possible Output Groups or none. Remotes are then assigned to any one of the six possible Output Groups or to the Master Group. The Master Group is configured by assigning any number of the six possible Groups to the Master Remote. For example, you have a six zone system and have a Remote assigned to control the level in each

zone. You can then assign any number of the Output Groups to the Master Remote, allowing all zones to be controlled by one Remote.

Mix configurations are saved in up to 24 non-volatile Memories stored in EEPROM, requiring no batteries. Memories may be recalled via the front panel LCD screen or the rear panel Memory Recall Port (MRP). The MRP allows remote contact closures to recall any of the 24 Memories. Advanced MRP users can completely program the MRP closure-to-memory-mapping functions via SRM Exchange software and the Rane DSC 1 accessory. The optional Rane MRS 4, RCP 3 and RCP 4 connect to the MRP for easy room combining and memory recall.

The SRM 66 provides a Remote Interface Port (RIP) which supports up to seven optional SR 1L "Smart" digital Remote controls. Each Remote may be assigned to any one of the six possible Output Groups or to the Master Group. The Remotes control the level of a Output Group, not Output level. Each of the Memories stored in the SRM 66 may have unique Output Group assignments for Outputs and SR 1L Remotes. This allows flexible room combining and system reconfiguration. All Remotes assigned to an Output Group display the level of the Output Group. The Remote Interface Port is a powered, half duplex, (RS-485) party line system using 5 wires, allowing any combination of "star" and/or "daisy" wiring. The SR 1L also supports encoder lockout and Master/Slave functionality where one remote controls Output Groups across multiple SRM 66s.

The FP Lock function locks out all front panel SRM 66 control except for Output Group Levels and Memory Recall. The SR 1L Remotes can still control Output Group Levels with the FP Lock rear panel switch engaged. With FP Lock, all edit pages are viewable but not changeable.

The SRM 66 and SR 1Ls can be controlled via AMX or Crestron room controllers using the SRM 66's (RS-485) Remote Interface Port (see RaneNotes "Using a Control System with and SRM 66" and "Using SR 1Ls with other Rane Products"). All RaneNotes are available at www.rane.com.

Features

- 6 Inputs Split, Route and/or Mix to 6 Outputs
- Programmable Input Mix & Output Level Controls & Limiters
- Programmable Output & Remote Output Group Assignments
- Master Group Level Capability (remote optional)
- Up to Seven SR 1L Digital Remotes (optional)
- 24 Non-Volatile EEPROM Memories with Remote Recall
- Balanced Euroblock Input and Output Connectors

Applications

- Programmable Split, Route, Mix and/or Level control
 - Via front panel, wired remote or RS-485 room controllers
- Room Combining; Stand alone or with room controllers
- Remote Level Control for multi-zone applications
 - One to six remotes can control many fluctuating zones
- Pro & Consumer Voltage-Friendly

Data Sheet-1



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Manual abstract:

Split, route, and mix functions are implemented with a six input, six output matrix mixer. The SRM 66 allows independent routing and mix-level adjustment of any Input to any Output. Control consists of a backlit LCD, five buttons and a Data wheel. All programming is accomplished using eleven easily accessible edit pages. Six pages control Output programming, four for Group programming and one for Memory functions. Inputs and Outputs are line-level balanced and equipped with Euroblock connectors. Rear panel Gain switches on each Input and Output allow -10 dBV or +4 dBu sensitivity. Front panel Mix Input Headroom LEDs indicate the remaining headroom for each of the six inputs at 4 dB and 16 dB. Programmable Output Limiters prevent mixer overload. If Output level exceeds the Limit Threshold, all six mix levels for the given Output are reduced, maintaining the proper mix.

Each Output features an internally switchable 2nd-order 80 Hz Highpass filter. @@@@Outputs may be assigned to one of six Output Groups. @@@@Output Group Levels are the only parameters not affected by Memory changes. Outputs are assigned to any one of the six possible Output Groups or none. Remotes are then assigned to any one of the six possible Output Groups or to the Master Group.

The Master Group is configured by assigning any number of the six possible Groups to the Master Remote. For example, you have a six zone system and have a Remote assigned to control the level in each zone. You can then assign any number of the Output Groups to the Master Remote, allowing all zones to be controlled by one Remote. Mix configurations are saved in up to 24 non-volatile Memories stored in EEPROM, requiring no batteries. Memories may be recalled via the front panel LCD screen or the rear panel Memory Recall Port (MRP).

The MRP allows remote contact closures to recall any of the 24 Memories. Advanced MRP users can completely program the MRP closure-to-memory-mapping functions via SRM Exchange software and the Rane DSC 1 accessory. The optional Rane MRS 4, RCP 3 and RCP 4 connect to the MRP for easy room combining and memory recall. The SRM 66 provides a Remote Interface Port (RIP) which supports up to seven optional SR 1L "Smart" digital Remote controls. @@The Remotes control the level of a Output Group, not Output level. @@This allows flexible room combining and system reconfiguration. @@@@With FP Lock, all edit pages are viewable but not changeable. @@@@sig. @dB -10 dBV gain 10-40 kHz typ. @dB @ 1 kHz, re: +4 dBu Class 2 equipment U.

L. @E88261 File no. @@@@ADD. DEC. LMT 2 - 6 μ P RAM CH. @@@@Paste contents of clipboard to current page. @@@@EXE also executes Copy, Paste and Recall[n] functions. Data Sheet-3 SRM 66 SPLITTER ROUTER MIXER Rear Panel SRM 66 N108 POWER MADE IN U.S.A. RANE CORP. OUTPUTS REMOTE INTERFACE PORT (RIP) INPUTS MEMORY RECALL PORT (MRP) 2 3 4 5 6 7 8 6 GAIN + 5 - 4 + 3 - 2 + 1 - 6 GAIN 5 - 4 + 3 - 2 + 1 - FP LOCK COM 1 A B +V -V - GAIN GAIN + - GAIN GAIN + - + GAIN + - GAIN GAIN + - + GAIN 750mA CLASS 2 EQUIPMENT COM 1 2 3 4 5 6 7 8 A B +V -V COMPLIES WITH PART 15 OF THE FCC RULES FOR A CLASS 'B' COMPUTING DEVICE + - + +4dBu -10dBV + - + + - - + - - + +4dBu -10dBV + - + + - - + Architectural Specifications The unit shall have six (6) mono inputs and six (6) mono outputs. The unit shall be capable of simultaneously splitting, routing and/or mixing any input to any output. Each output shall have six input mix level controls with a range of +6 dB to -25 dB, in 1 dB steps, or off. A master output mix level control shall have a range of +0 dB to -59 dB, in 1 dB steps, or off.

Input headroom meters shall be provided for each of the six inputs by means of front panel LEDs. Programming shall be accomplished via the front panel backlit LCD display and five (5) momentary buttons with a data wheel. An adjustment for LCD viewing angle shall be provided. Limiters shall be provided on each output. The limit threshold shall be adjustable in 1 dB steps from 0 dBr (Max) to -28 dB re: clip.

An 80 Hz high-pass filter shall be provided on each output. This filter shall be bypassable with an internal switch. Provisions to link attenuation level and limiter gain reduction of output combinations shall be provided in the form of Output Groups. A Remote Interface Port shall be provided permitting the use of up to seven (7) SR 1L Smart digital Remote controls for the purpose of adjusting Output Groups from a remote location. Each SR 1L remote shall install into a standard US electrical box at least 2¼ inches deep. @@@@RFI filters shall be provided. @@@@The unit shall be a Rane Corporation SRM 66 Splitter Router Mixer. Accessories SR 1L Smart Digital Remote The Rane SR 1L provides remote level control for one Output Group of an SRM 66. The SR 1L's 31 LEDs indicate the Output Group's current setting of 0 to 29 dB of attenuation (in 1 dB steps) and OFF. It fits in a standard U.

S. electrical box, and can be covered with a standard Decora™ plate cover. Up to seven SR 1Ls can be connected to a single SRM 66. See the SR 1L Data Sheet. MRS 4 Memory Recall Switch The MRS 4 provides a simple solution to recalling SRM 66 Memories from a remote location via the Memory Recall Port. It fits in a standard U.S. electrical box, and can be covered with a standard Decora™ plate cover. If connected in normal mode, up to 4 Memories can be recalled. See the MRS 4 Data Sheet.

DSC 1 Digital Serial Converter The DSC 1 provides a bridge to connect a PC'.



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