Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE SR 1L. You'll find the answers to all your questions on the RANE SR 1L in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual RANE SR 1L
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RANE DATA SHEET / MANUAL — SR 1L

SMART DIGITAL REMOTE

General Description

The Rane SR 1L Smart Digital Remote is a wired remote control with a 31 position LED indicator and data encoder. The SR 1L is electrically compatible with standard RS-485 interfaces (power required).

The SR 1L mounts in a standard U.S. electrical box with a minimum depth of 2¼ inches, and flush covered with a standard Decora™ plate cover (not included). The SR 1L replaces and is fully backwards compatible with the SR 1.

To lock out SR 1L level changes (disabling the knob) yet still display current settings, disable the encoder by connecting the ENCODER LOCK terminal to the V– terminal. Use a key switch, relay, or any old thing that passes electrons. This provides optional limited access to the level control via a key or other switch.

Use with other Control Systems

The standard electrical interface and simple communication protocol make the SR 1L an ideal addition to many custom installs where a programmable controller (such as an Panja or Crestron) is in use.

For detailed information on using a SR 1L with a system controller refer to the RaneNotes, "Using a Control System with an SRM 66" and "Using SR 1Ls with other Rane Products" (at *www.rane.com*).
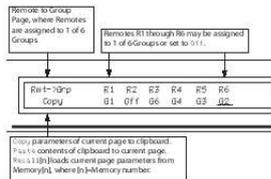
Use with an SRM 66

The SRM 66 uses Output Groups to link the attenuation level and Limiter gain reduction of one or more Outputs. Any one of the seven possible SR 1L remote controls can then be assigned to control an Output Group Level. The SRM 66 can also assign any number of the six possible Output Groups to a Master Group. Any number of the seven possible SR 1L remotes can then be assigned to control the Master Group Level. Understanding and utilizing the power of Groups is essential to harness the power and versatility of the SRM 66.

The Rane SR 1L provides remote level control for one Group of an SRM 66 Output or Master. The SR 1L has 31 LEDs to indicate the Group's current attenuation setting of 0 to 29 dB (in 1 dB steps) or OFF. *Note that the Remotes control the level of a Group,* not the level of an Output.

With up to seven SR 1Ls connected to a single SRM 66, each SR 1L must be set to a unique address (1-7). The SRM 66 can also assign multiple Remotes to control a single Group. If the Group's value is altered via the SRM 66's front panel or any other SR 1L, every Remote mapped to that Group is updated to reflect the new setting.

To communicate between the SRM 66 and the SR 1L Remotes, set the RIP parameter on the Memory page to SR1 (the default).

The mapping of Remotes to Groups is accomplished via the Remote to Group page shown to the right. These settings are stored in each of the SRM 66's Memories. When a Memory is recalled with different mappings, every Remote is updated to reflect the current value of its new Group.

Any of the Remotes may be assigned to any one of the six (6) possible Output Groups, to the Master Group or set to off. If a Group's level is altered by the SRM 66's Group Level Page (see Figure 3 in the SRM 66 Manual), then every Remote assigned to that Group is updated to reflect the new setting. If a Group Level is adjusted by a Remote, then the SRM 66's Group Level Page is updated to reflect the new setting.

Each of the 24 Memories stored in the SRM 66 may have unique assignments for Output to Group, Group to Master Remote and Remote to Group parameters. This allows very flexible room combining applications and system reconfiguration.

Remote to Group Page, where Remotes are assigned to 1 of 6 Groups

Remotes R1 through R6 may be assigned to 1 of 6 Groups or set to Off.

| Rmt->Grp | R1 | R2 | R3 | R4 | R5 | R6 |
| Copy | G1 | Off | G6 | G4 | G3 | G2 |

Copy parameters of current page to clipboard.
Paste contents of clipboard to current page.
Recall[n] loads current page parameters from Memory[n], where [n]=Memory number.

SRM 66 Remote to Group Assign Page

Data Sheet-1

Manual abstract:

The SR 1L is electrically compatible with standard RS-485 interfaces (power required). The SR 1L mounts in a standard U.S. electrical box with a minimum depth of 2¼ inches, and flush covered with a standard Decora® plate cover (not included). The SR 1L replaces and is fully backwards compatible with the SR 1. @@Use a key switch, relay, or any old thing that passes electrons. @@@@For detailed information on using a SR 1L with a system controller refer to the RaneNotes, "Using a Control System with an SRM 66" and "Using SR 1Ls with other Rane Products" (at www.rane.com). Use with an SRM 66 The SRM 66 uses Output Groups to link the attenuation level and Limiter gain reduction of one or more Outputs.

Any one of the seven possible SR 1L remote controls can then be assigned to control an Output Group Level. The SRM 66 can also assign any number of the six possible Output Groups to a Master Group. Any number of the seven possible SR 1L remotes can then be assigned to control the Master Group Level. Understanding and utilizing the power of Groups is essential to harness the power and versatility of the SRM 66. The Rane SR 1L provides remote level control for one Group of an SRM 66 Output or Master.

The SR 1L has 31 LEDs to indicate the Group's current attenuation setting of 0 to 29 dB (in 1 dB steps) or OFF. Note that the Remotes control the level of a Group, not the level of an Output. With up to seven SR 1Ls connected to a single SRM 66, each SR 1L must be set to a unique address (1-7). @@@@@@@These settings are stored in each of the SRM 66's Memories. @@Paste contents of clipboard to current page. @@@@@@@@@@@@@@@@@See the SRM 66 Manual for more details on RIP wiring recommendations. @@@@To lockout the encoder, short the Encoder Lock connection to the -V connection. The LED display remains functional. SR 1L Troubleshooting Double-check all wiring for accuracy before power is applied via the SRM 66. A single LED on the SR 1L should light immediately after SRM 66 power is applied. A blinking LED indicates that it has not yet detected communication on the Port. This is common until the SRM 66 has fully initialized but should not happen after that point. If after SRM 66 power up, an SR 1L LED blinks or does not respond, one of several problems is to blame. Either the wiring is incorrect, the SR 1L address is invalid (must be between 1 and 7, each remote different), the SRM 66 is not in SR1 mode (under the RIP parameter in the Memory Edit page), or the SR 1L's ENCODER LOCK terminal is shorted, thus locking out the encoder. Also, the SRM 66 Remote to Group assignment may be set to Off, thus disabling the entire SR 1L, not just the encoder.

Advanced SRM 66 & SR 1L Applications A single SR 1L can control Output Groups across multiple SRM 66s. For more information on this Master/Slave functionality, see the RaneNote "Advanced Applications of the Ingenious SRM 66 and SR 1L." For room controller fans out there, two more RaneNotes of interest are "Using a Control System with an SRM 66" and "Using SR 1Ls with Other Rane Products." These RaneNotes happen to cover AMX, but the Device Control Language and complete communications details are covered for easy incorporation into Crestron systems. @@@@@@Voltage requirements +V = 8-15 VDC UL/CSA Exempt Class 2 equipment CE Certified Decora is a registered trademark of Leviton ©Rane Corporation 080 47th Ave. W., Mukilteo WA 9875-5098 TEL 45-355-6000 FAX 45-347-7757 WEB www.rane.com Data Sheet- All features & specifications subject to change without notice. DOC 104091 PN 11344 .