

The LR series 19" Rack mount volume controls, enables you to play up to six area of speaker throughout public area. play one area, or all area at once. 24 volt relay for emergency.

The output from the amplifier is wired directly to the volume controls. From there, speaker wire is run to speakers located in the lobby, the restaurant, the pool area, the guest rooms, and the meeting room. Music for each location is control by rotary switch. Additionally, the LR series 19" rack mount volume controls can be combined with other RCS products to achieve even greater controls.

FEATURES:

- o 19" 2U rack panel in black color.
- o Connects up to six of speakers area.
- o Autoformer safeguards your receiver or amplifier.
- o Screw-on-connections terminal handle up to 14 gauge speaker wire.
- o 11 steps of attenuation: @3 dB each. final 2 steps @6 dB each. total attenuation at 33 dB and off.
- o 24 volt - 150mA relay for emergency program.
- o Ideal for commercial sound installations.

Installation consideration:

Type of speaker wire

For most applications, we recommend you use 1.4 ϕ standard copper speaker wire for the LR series 19" rack mount volume controls connections. For wiring runs longer than 50M, 2.0 ϕ wire is recommended.

When running speaker wires inside walls, you must use a special type of speaker wire. Usually, the requirement is that the wire has a specific fire rating.

Avoiding interference

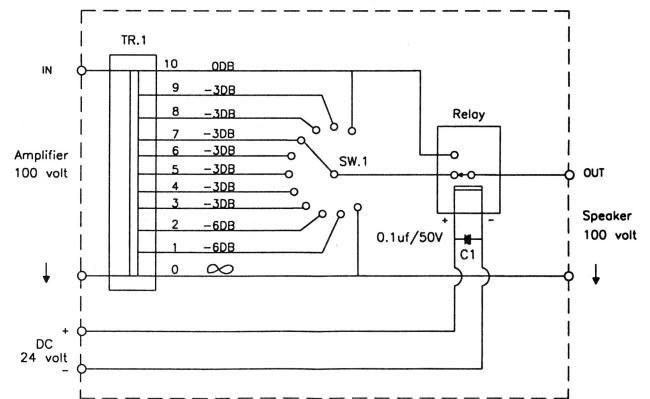
Speaker wires can act as an "antenna" for electrical noise. Locating speaker wire too close a light dimmer or switch may cause a "buzzing" or "popping" sound to be heard through the speakers. If you must locate the volume controls wiring near electrical devices, route the speaker wires several meter away from the electrical wiring.

Amplifier impedance load

As most commercial of speakers are parallel connected to a receiver or amplifier the overall system is 100 volt.

Item no.	System	Watts	Impedance(Ω)	Panel
LR-6035	100 volt	35	285.7	black
LR-6050	100 volt	50	200	black
LR-6100	100 volt	100	100	black

CIRCUIT PROGRAM:



Installation

1. Select a convenient mounting location for the volume controls.
2. Turn the knob CW (max. position)
3. Run all the necessary wiring to the volume controls. Label the wires for future reference.
4. Make the connections to the volume controls.
 - a. Strip 3/8" of insulation from the end of each wire.
 - b. Tightly twist the end of each wire until there are no frayed ends.
 - c. Insert each wire into the the appropriate hole on the connectors terminal and screw - tightly.
5. Make certain that all connections between your amplifier and the "LR series" and between the "SS series" and each speaker are "phase correct". positive to positive and negative to negative.
6. Power - on the amplifier. (turn the knob CCW step by step). Check the volume control's action.

