

4000RCM**REMOTE CONTROLLED MIXER**

The model 4000RCM/4000RCMR Remote Controlled Mixer is designed to save on the number of cable home runs as well as be locally configured by many different levels of users. The mixer consists of 4 configured mic/line audio channels, one main output, and one auxiliary main output. It has a power rating of 10 watts at 24VDC. The mixer's 4 input channels are designed, via Phoenix style 3.81mm pitch headers, for 3 parallel inputs per channel to support different main stage locations in a room. Only one "HOT" input is allowed per channel at one time.

When the 4000RCM is combined with the 3200 series digital processing system the 4000RCM is ideal for combining or separating large rooms. The 3200 system combined with the 1000CRC or 1000RC to control the 4000RCM will communicate with the 3200 via custom software to deliver centrally sourced background music to any area. "Background Music" for an area is not a direct function of the 4000RCM unless the source is fed directly into a channel of the mixer selected for line level input back to the 3200.

All input and output settings of a particular mixer are locally controlled through a 1000CRC or 1000RC specifically addressed to communicate with that local mixer. All mixers' settings are also accessible through a remote IED 590 series computer with IED custom software. If the mixer network communication is not operational, the mixer saves its last settings. This function allows for uninterrupted continuous operation as long as the +24VDC is operational. If setting changes are desirable while network communications are down, the mixer can be accessed locally by IED trained personnel with a laptop computer and IED service software.

The input channels are capable of accepting nominal inputs levels of +4dbu, -10dbu, -16dbu, -36dbu, and -48dbu. The mic setting for each channel allows for all 5 stated input levels, mic gating, 24VDC phantom power and 3 different priority levels. The line selector setting allows +4dbu and -10dbu input level. Each channel's input level into the main mix is controlled via a digital attenuator. The main mix has compression and level adjustment into the compression circuit available before the output of the main mix. There is also an output level adjustment for the main output whether or not the output compression option is used.

The 4000RCM is designed to accept new network control modules in the future. This allows great flexibility for the future of the product and as well as changing and updating venues. Please see 1000CRC and 1000RC control functions for greater detail of mixer operation.

The following is an explanation of additional functions of channel microphone settings of the 4000RCM through the 1000CRC or the 1000RC:

"Priority" - Each channel with a microphone can be set to High, Medium, or Low Priority. "High" priority is greatest and will gate off any channel set to "Mic" with a lower priority. "Mic" channels with the same priority will mix together.



“Last Mic On” - The last microphone to gate on will stay on until another microphone gates on.

“Onput On” - When that last microphone that was on gates off, the selected microphone (channel) of the 4 possible microphones chosen will gate on automatically

“No Mics On” - When all microphones time out, no microphone is left on.

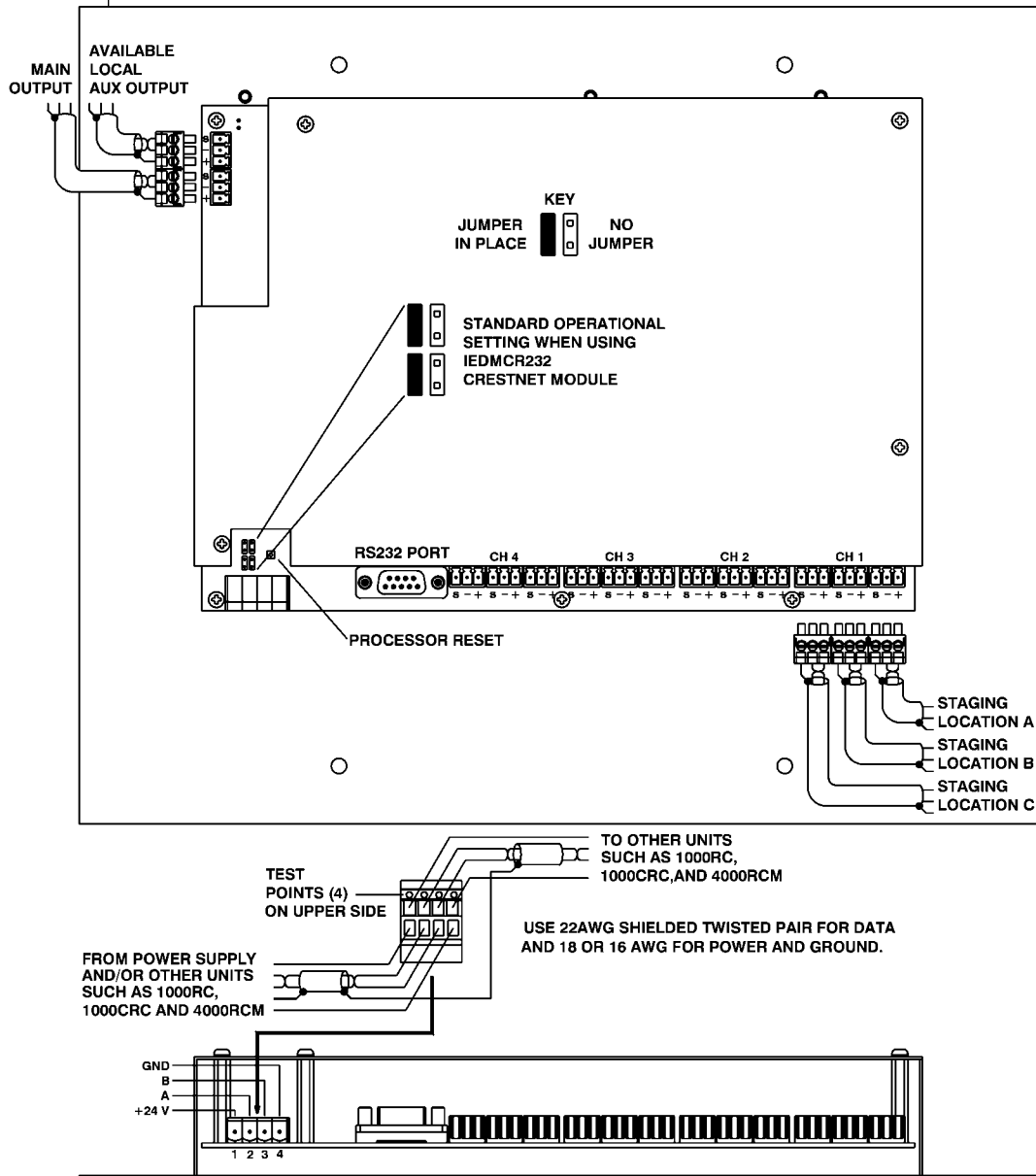


Figure 1 - 4000RCM, Wallmount Version Interconnections

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