

# Mainline Marketing, Inc.

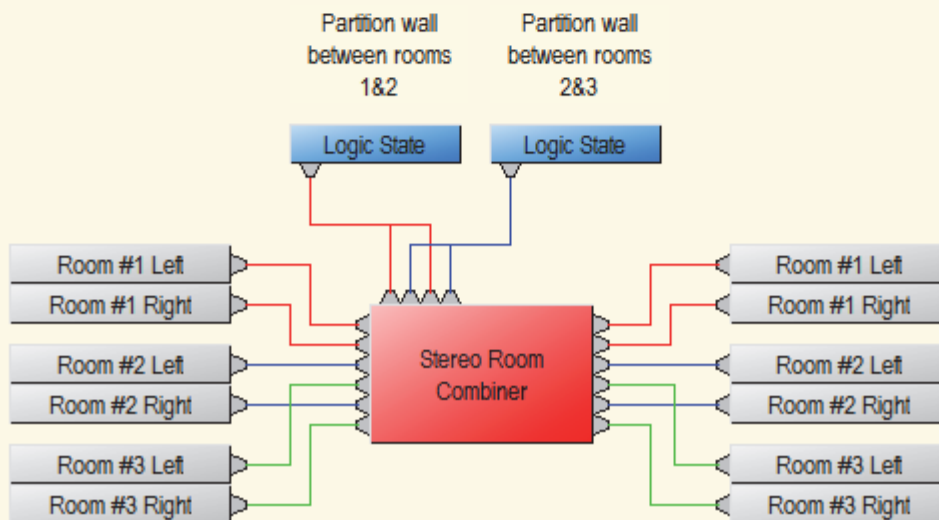
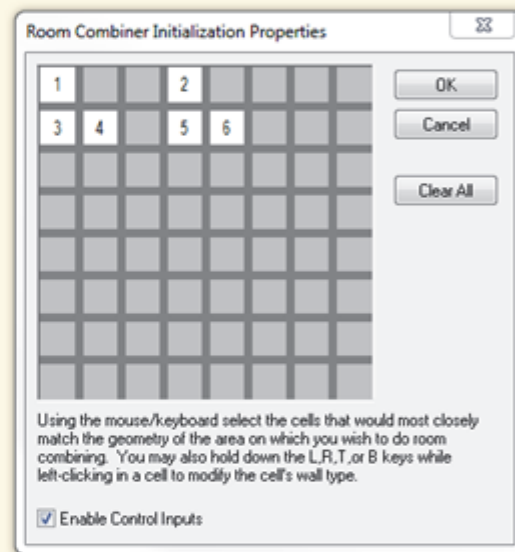
## Application - Biamp Systems – [Tips & Tricks: Room Combiner tricks](#)

The Room Combiner block in Audia/Nexia is a very powerful block for that particular application. If you've worked with this block though, chances are you have come across some scenarios where the Room Combiner might seem unable to provide the desired functionality. Here are a couple of tricks that will expand your possibilities with this block.

As you know, the Room Combiner Block has a single input and output per room. That would work in the majority of cases but what if your rooms are Stereo? Or you have multiple signals that need to be combined/divided? Depending on how many rooms and the layout, there are two ways of solving this:

### Using a single Room Combiner Block

Say we have three rooms in an L shape with stereo signals. On a single block, we would need to configure two layouts that are identical, one for each channel. In the dialog shown here inputs 1&2 would be for room #1, 3&5 for room #2 and 4&6 for room #3. To make this work, we need to be certain that we combined both sides at the same time. The easiest way to achieve that is using logic states connected to the appropriate nodes on the room combiner. The diagram below shows this

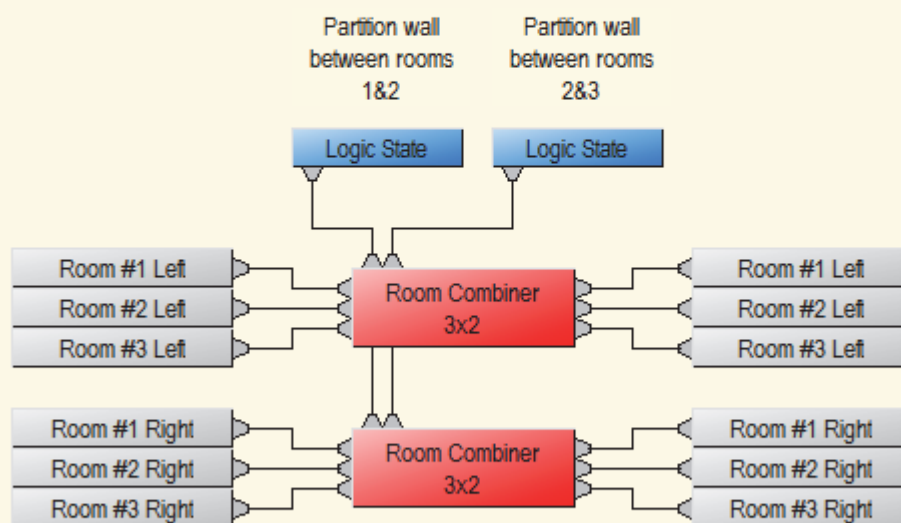


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By using the same concept, you can create a more complex system with more rooms and/or more channels per room

### Using Multiple Room Combiner Blocks

You can achieve the same results as above by building multiple Room Combiner blocks. All of these will be the same but each will be controlling one channel. The diagram below is the alternate solution for the scenario explained above.



As with the above case, you can have more channels by adding more Room Combiners.

Have ideas or need a specific tip or trick? Drop us a line and we'll see what we can do.

### About Biamp Systems

Biamp Systems is a leading provider of innovative, networked media systems that power the world's most sophisticated audio/video installations. The company is recognized worldwide for delivering high-quality products and backing each product with a commitment to exceptional customer service.

Founded in 1976, Biamp is headquartered in Beaverton, Oregon, USA, with additional engineering operations in Brisbane, Australia. For more information on Biamp, please visit [www.biamp.com](http://www.biamp.com).