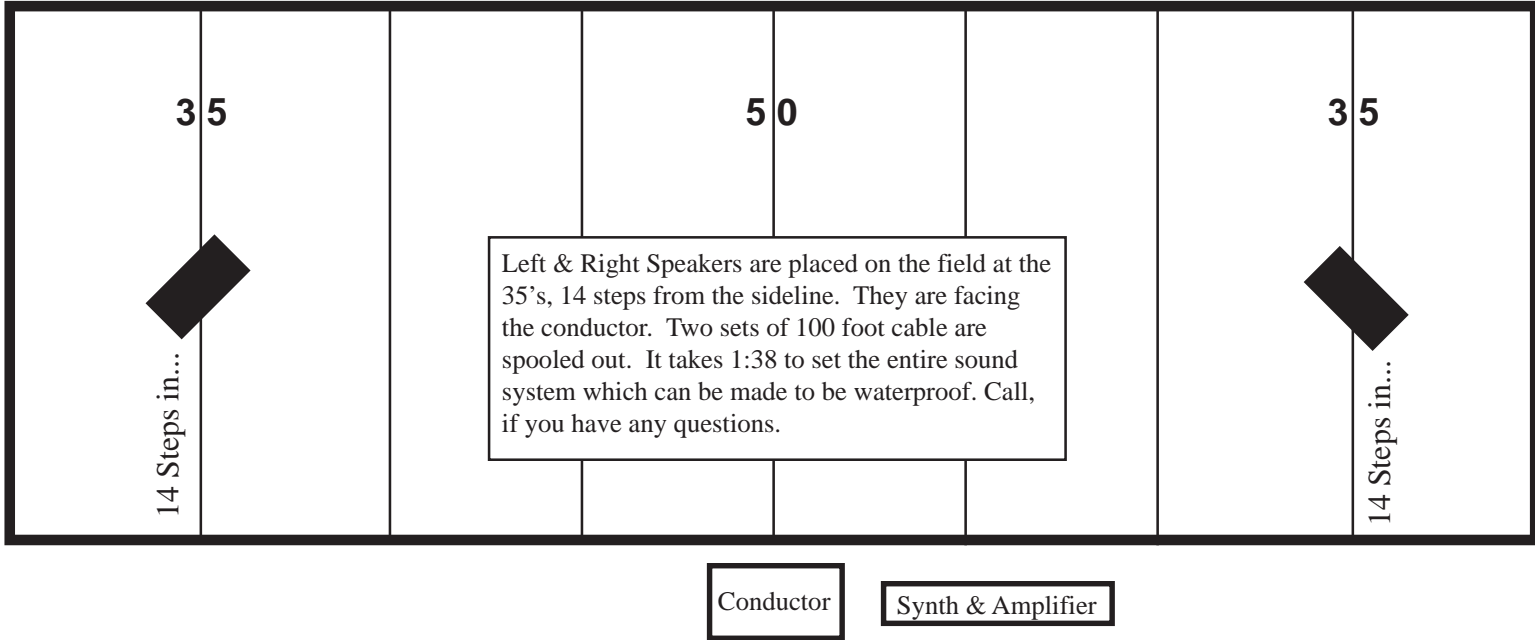


STORMWORKS®

SOUND SYSTEM SET-UP

Devised in 1980, through 1999 for Studio Sound in Motion...
now, Winds & Percussion in Motion by Stephen Melillo



The system that was first set up in **1980** and developed into an excellent system by **1984** was far more complex than setups which can be utilized today. For instance, we setup **2** large speakers permanently mounted on dollies, **2 full-board** synthesizers, a guitar, a bass, a microphone for soloists and narration, a *bazuki* and a tape loop for sound effects. The amp/mixing board was large and heavy. We used a Marine Battery for power, when electricity was not available for our 200 foot power cable. Still, the whole process took **1:38** to set. In fact, we had a flat-bed truck and marched this system in parades... much to the delight of the many crowds!

Since then, we have incorporated percussion spikes, drum pads, wireless MIDI remotes and a whole host of innovations which trigger very compact, very lightweight sound modules, each with 16-24 bit digital stereo sounds with effects processing. In fact, it would be quite difficult to list **all** of the **many** experiments in **Sound Design** which have been tried, tested and proven to great results with *many* groups throughout the 1980's and 1990's.

It is a simple and relatively inexpensive process to design a completely efficient sound-system with which to render "**STORM**" Works on the field. The system is lightweight, prewired, involving only 1 to 3 connections, and can be waterproofed for light moisture situations.

Most importantly, the system may be designed and setup so as to mix beautifully, naturally and Musically... so much so that the name "**Studio Sound in Motion**" can be appropriately and deservedly applied, beyond mere hype and cute logos.

Speakers are placed at the **35 yard lines, 14 steps in**. These are part of the **parabolic arc** which should also be a constant component of the wind ensemble as it moves. Drill design should incorporate these stations before being written. Volume levels are set to sound natural. The ambience created by the stereo field mixed with the intelligent placement of the Musicians via good staging, yields a natural sound... not amplified and disconnected.

Let's look at a simple, inexpensive, very powerful setup. Since all **STORMWORKS** Concert Pieces utilize **2** synthesizers, let's begin with **2** Roland controller keyboards at @ \$200 each. Each weighs about 11 ounces. Get **1** Korg 05R/W from the internet at @ \$150. It is a small box also weighing in at 11 ounces. Remember **33** is a storm number! So here we are with 33 ounces of great sounds. Get **1** Midi Merger at @ \$60, and 2 Midi cables. The **sound system** consists of an amplifier/mixer... (*they are making very lightweight, very powerful and portable ones these days*)... **2** - 100 foot long 1/4 inch cables for **2** speakers and **2** - 1/4 inch cables for the Sound Module to Board connection. Once the basic system is well understood, many possibilities for extensions exists, should that be your desire. Here is a diagram:

