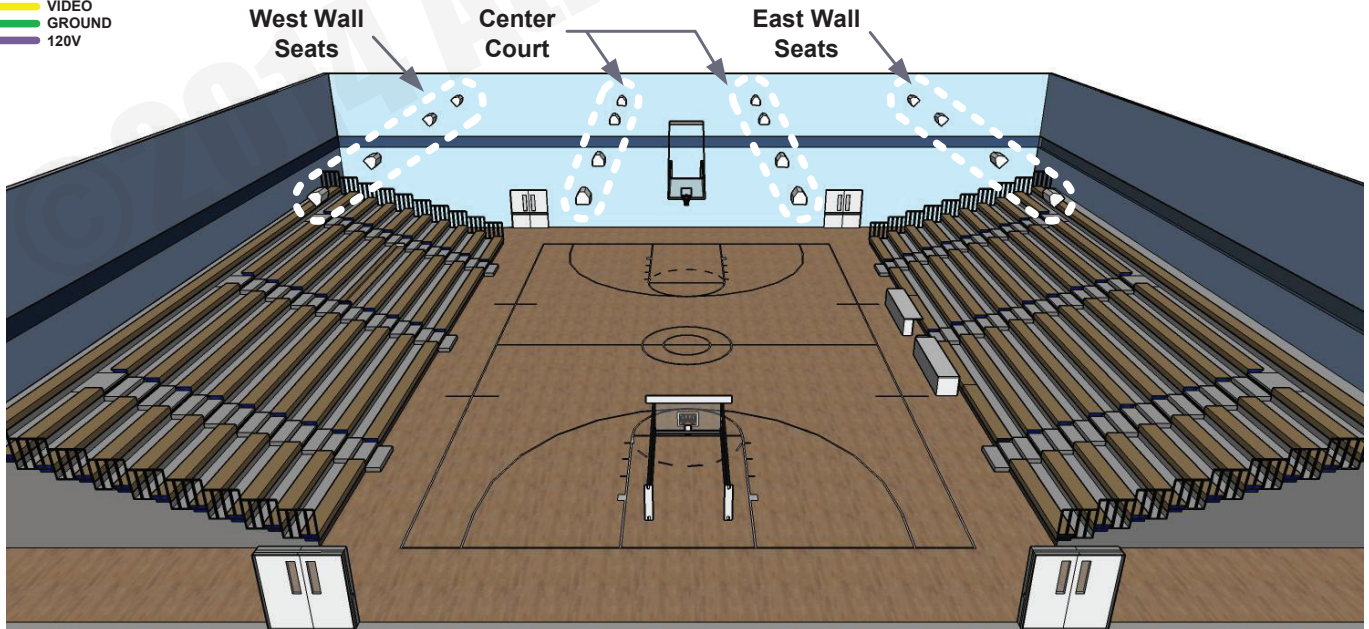
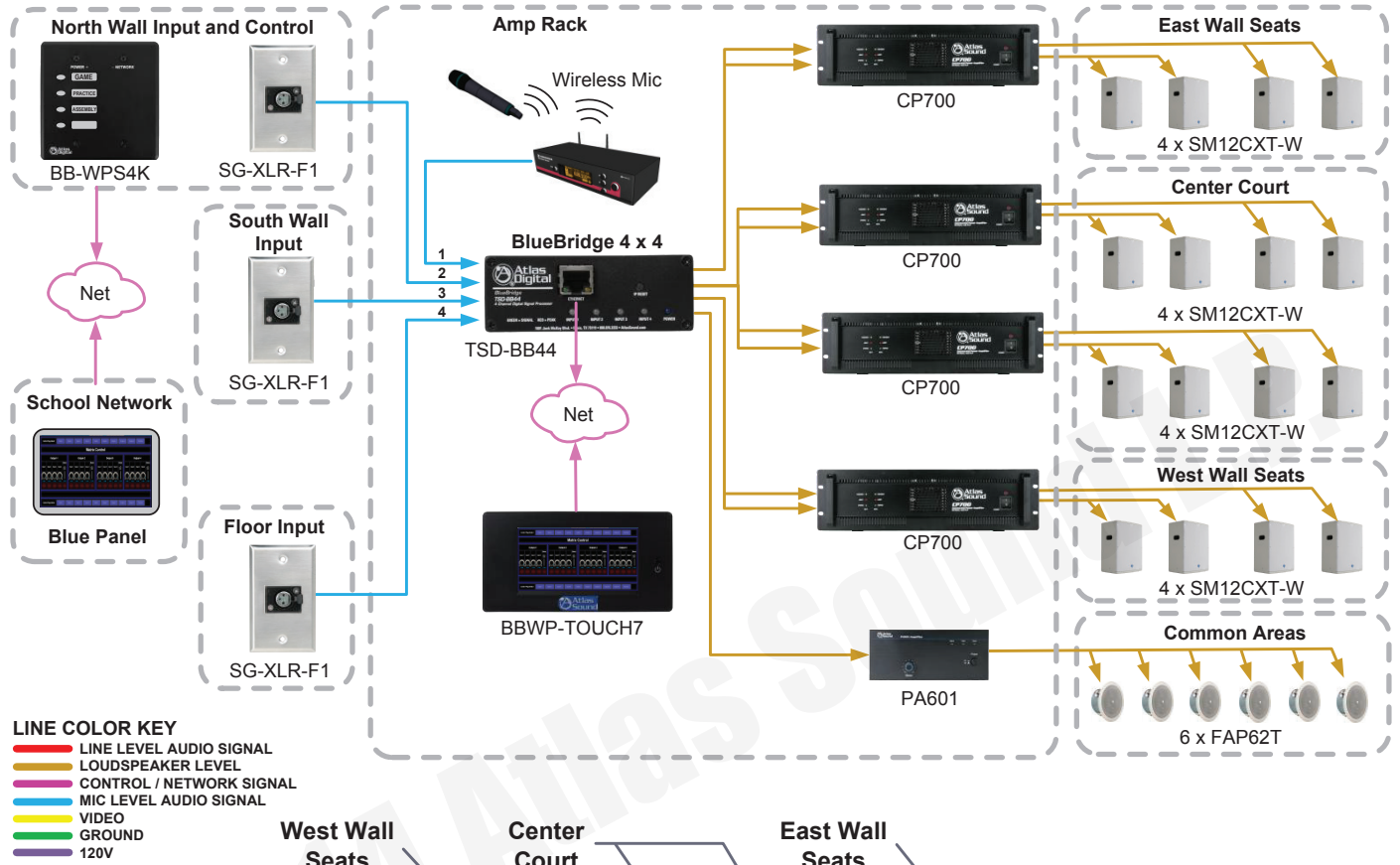




High School Basketball Sound System Featuring BlueBridge TSD-BB44 Control



This is a design concept and is not meant to be a fully engineered system design. Contact Atlas Sound for system design help.



1601 Jack McKay Blvd. • Ennis, Texas 75119 U.S.A.
Telephone: 800.876.3333 • Fax: 800.765.3435

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Overview:

This example demonstrates the use of a BlueBridge® TSD-BB44 to control four (4) zones of audio in a high school gymnasium. Three (3) zones control speakers in the gym for bleachers and center court with an additional one (1) zone for speakers in common areas including the lobby and locker rooms. The gym is primarily used for basketball games, practice, and assemblies.

In this application, a BB-WPS4K wall controller provides four (4) preset configurations and optimized set-ups for the three general uses, games, practice, and assemblies with a control for common areas On/Off. An optional BBWP-TOUCH7 touch panel can be used in the HE rack area for one-off set-ups that go beyond the capability of the general use presets. A Bluepanel is included to allow complete control of the system from a PC over the school network.

Application Example Description:

In this example, Atlas SM12CXT-W speakers are rigged from the ceiling in rows of four (4) speakers, East Wall Seats, Center Court A & B, and West Wall Seats. Each speaker row is powered by an Atlas 2-channel CP700 power amplifier wired in pairs, one pair for each channel set at 8Ω each. An Atlas PA601 single channel 60W 70V power amplifier is used to power the six (6) Atlas FAP62T Common Area speakers.

A wireless microphone system is used on the primary Source Input-1, while the remaining 3 inputs are wired to Atlas SG-XLR-F1 wall plates. These input wall plates can be configured in the TSD-BB44 to be microphone or line level and processed as needed in the DSP then assigned to a preset.

The "Game" preset configures the system for a sub-mixer at the announcer's table to be patched into the floor XLR input for live mixing of music and announcer's microphone during a game. All speakers are On and set for a game event.

The "Practice" preset turns Off the Bleacher Speakers and the Center Court speakers are set to a lower level than during a game. The North and South Wall Inputs are set to accept line level audio for a music playback device.

The "Assembly" preset turns both East and West bleacher seats On and the Center Court speakers Off.

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