

Dear Planning Committee:

I would like to thank you for considering Robert M. Sides in planning the audio system at Wellsboro High School. With over seventy years of experience assisting Schools, we pride ourselves on offering the highest quality design, class leading products, professional installation, and premier customer service.

Following an in depth examination of the needs, and a careful review of your requirements, we have developed a complete package of audio system upgrades that will greatly exceed your expectations in quality, performance, aesthetics, and value.

We hope that this quote will serve two primary purposes:

We feel that for any improvement project, it is vital for everyone involved to have a clear understanding of the process so that an educated and informed decision can be made.

Our design philosophy centers around three main goals:

- Every product we recommend is one that we feel will directly support your needs. We look to enhance the spoken word and music.
- We strive to utilize technology in a manner that pays strict attention to the aesthetics of the auditorium so that we maintain the aesthetics of the space.
- We work with a school in order to craft a package that is appropriate for the needs of the school.,
- This quote represents a complete, realized vision of addressing the technical needs that were expressed to us. After speaking with you about where you want to take the project from a broad scope, and looking at the space, we have crafted a comprehensive set of audio upgrades that will meet your goals.

For the interest of forming a budget for the project, we have broken the quote down into some options that are intended to fuel discussion.

We look forward to meeting with you again to ensure that we have a package that fits the needs school.

Sincerely,

Dewey Corage

Sound System Design,

Engineering & Installation



Digital Mixing Console

Allen & Heath SQ-7

48 channel / 36 bus digital mixer

SQ-7 is the 33-fader flagship console in the SQ series, powered by Allen & Heath's revolutionary 96kHz XCVI FPGA engine. Created to excel in demanding scenarios such as AV, corporate events, live productions and houses of worship, SQ-7 offers pristine high-resolution audio quality and an ultra-low latency of <math><0.7\text{ms}</math>.

The console features 32 exceptional onboard mic preamps, plus 8 stereo FX engines with dedicated stereo return channels and access to the renowned Rack Extra FX library. SQ is a natural choice for in-ear monitor setups, providing 12 stereo mixes (configurable as groups or auxes), whilst Automatic Mic Mixing makes it an excellent choice for conferences, panel talks and more.

Powerful Processing

SQ comes equipped with all the processing you need to craft the perfect mix. Every one of the 48 inputs has HPF, a super-fast gate with sidechain and filter, a musical 4-band parametric equalizer, and Peak/RMS compressor for control and shaping of levels and transients. Mixes have both a parametric and 28 band graphic EQ along with compressor as standard, all ready to switch in when required. The XCVI core even allows for every compressor in SQ to have its own parallel path, without phase or coherency worries.



Allen & Heath Remote AR2412

Allen & Heath AR-2412

24 XLR Input / 12 XLR Output – 48kHz

AR2412 is a 48kHz, 24 XLR input, 12 XLR output AudioRack, compatible with GLD, Qu, Avantis and SQ mixers. Adding an AR2412 to your system lets you position some or all of your I/O up to 100m from the mixer, connected over a single Cat5 cable running Allen & Heath's dSNAKE protocol. dSNAKE provides control to the remote preamp, and all mic preamps are scene recallable. AR2412 also includes a Monitor port for connection to ME- personal mixers, and an Expander port for daisy chaining to an AR84 or AB168

24 Mic Preamps on XLR

12 XLR Line Outs

dSNAKE Connection with locking Ethercon port

Expander Ethercon port for connection to an AR84 or AB168

Dedicated port for ME personal mixing system

Rack mountable



Wireless Microphones

Audio-Technica ATW-3211/892x is a 3000 Series (4th generation) rackmount wireless earset microphone system with professional-level features for enhanced reliability and control. It offers an intuitive interface with a dual-mode OLED display for easy operation. With a wide 60 MHz tuning range and true-diversity reception, the system minimizes potential dropouts to deliver intelligible, natural audio for presenters, clergy, lecturers, and performers working in business and educational settings, houses of worship, theaters, or on musical stages.

The ATW-3211/892x includes a half-rack receiver housed in a rugged, full-metal chassis with removable antennas well suited for rackmounting in portable flight cases or permanent installations. The receiver's auto-scan function searches 2395 selectable frequencies, seeking out a clean, interference-free channel for your audio transmission. The 3000 Series lets you set a clean backup frequency in advance, which you can quickly switch to with a press on the transmitter's multi-function button in the event of unexpected interference.

This system comes with a black BP892xcH omnidirectional earset mic that's lightweight and comfortable to wear. Featuring a miniature design, the microphone is discreet, stable, and easy to place over either ear. The 55" detachable cable is field-replaceable.

The bodypack transmitter is equipped with a rugged metal housing and a proprietary Hirose 4-pin cH-style screw-down connector for secure connection. The transmitter provides up to 9.5 hours of operation on two AA NiMH rechargeable batteries (available separately), with a selectable 10/30mW RF power output for overcoming interference in difficult RF environments.

The transmission range is up to 330'. Up to 40 mic channels can operate simultaneously in each frequency band.



Antenna Distribution For the Wireless System

RF VENUE DISTRO9 HDR

The DISTRO9 HDR represents a unique approach to high quality RF signal distribution for wireless microphones. The DISTRO9 saves time and rack space by offering 9 outputs and inputs for 2 coverage zones in just one rack space. And each output is clean: DISTRO9 HDR employs low noise figure amplifiers and superior gain structure providing a high dynamic range over the spectrum. The DISTRO9 HDR makes multi zone installations easy by providing two zone antenna inputs, this allows for coverage of large areas or multiple rooms and has DC power available for in-line amplifiers or active antennas.

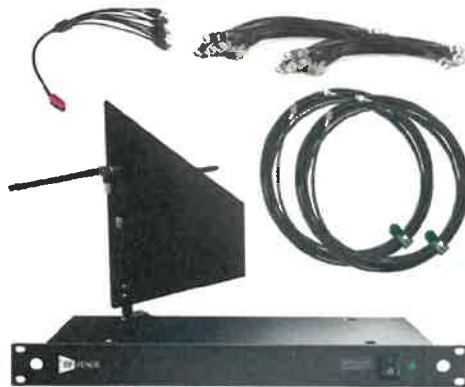
The DISTRO9 HDR is designed and assembled in the USA and uses new and proprietary design that eliminates the old internal splitters used by most antenna distribution systems. These splitters are replaced with state of the art “divide by three” circuitry, providing up to 9 low-noise channels of diversity wireless.

Featuring a robust internal power supply, the DISTRO9 HDR can provide clean DC power to wireless microphone receivers with an optional DC cable kit, and can also be powered directly from a DC battery source for location sound cart applications. The DISTRO9 HDR is also ETL listed to meet bid specification requirements on municipal, government, and other high profile projects.

Coax Cables

Coaxial cabling can make the difference between flawless RF performance and total system failure. Even the slightest crimp or ding in coaxial cable can cause signals to drop sharply or short out.

RF Venue provides premium made in USA low loss, 50 ohm RG8X coaxial cable with BNC male connectors for wireless audio applications. Our cables are custom run to our specifications: double shielded braid over foil with a perfect balance between loss and flexibility. We terminate in-house and QC on calibrated Keysight network analyzers for guaranteed performance.



Additional Work

Robert M Sides will evaluate the entire system and make adjustments and recommend upgrades to existing equipment failures.



Wellsboro Area High School

MAY 5, 2022

WELLSBORO, PA

Sound System Quote COSTARS ID # COSTARS-034-043

<u>Q:</u>	<u>Equipment:</u>	<u>Extended:</u>
1	Allen & Heath SQ-7 Mixer	\$ 6,299.00
1	Allen & Heath AR2412 Remote Snake Head	\$ 1,699.00
15	Audio-Technica ATW-3211/892	\$ 13,485.00
2	RF Venue Antenna Distribution	\$ 4,499.00
	<u>Complete Installation Labor, Cables, Parts, Wiring, and Training</u>	<u>\$ 3,200.00</u>

AUDIO SYSTEM SUBTOTAL: \$ 29,182.00

PAYMENT DUE AT CONTRACT SIGNING:	(50%)	<u>\$ 14,591.00</u>
PAYMENT DUE AT PROJECT COMPLETION:	(50%)	<u>\$ 14,591.00</u>

Wellsboro Area High School

By: _____

Date: _____

PERFORMANCE GUARANTEE:

Robert M. Sides accepts the full financial and artistic responsibility for the successful installation of the new equipment. Should there be any corrections to the installation in order to meet contract specifications, either in equipment or adjustments, Robert M. Sides will assume the added labor, travel and equipment costs.

FULL MANUFACTURERS WARRANTY:

1-YEAR SYSTEM ADJUSTMENTS WARRANTY:

The initial tuning and installation adjustments for the equipment described in this proposal will be provided at the time of installation by Robert M. Side's staff members. After initial balancing, additional fine tuning will be done by our staff engineering specialists with the assistance of your staff. The tuning of a new system is an evolutionary process and those adjustments needed during the first calendar year after the date of installation will be provided by Robert M. Sides Family Music Center at no additional cost to you. Robert M. Sides will also provide training classes on proper usage of the sound system for a variety of different events—at no additional cost.

TERMS AND CONDITIONS:

Standard terms of sale are: a deposit of 50% of the contract total is required to initiate the contract order; a 50% payment is due at the installation completion.

ESTIMATED TIMELINE:

Equipment is ordered upon receipt of deposit payment and signed contract. Generally, manufacturers take three to four weeks to fulfill orders. We anticipate needing a week in the space to upgrade and tune the sound and video system. Six to Eight weeks from deposit is a fair estimate for system operation.

