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**Key Digital® connects flexible multi-purpose conference and presentation space with unprecedented control at Carson Springs Baptist Conference Center**

— Key AV infrastructure upgrades utilize customized iPad Compass Control Pro software, the KD-CX800 Master Controller, a KD-MS8x8G HDMI Matrix switcher, KD-X2x1WDTx wall plate interface/switchers with KD-X40MRx extension receivers and KD-X444SP HDMI extender sets to create a complete system to outfit a variety of needs for education and ministry —

*MOUNT VERNON, NY, September 19, 2023* – Creating highly flexible presentation solutions for a variety of audio-visual environments is a long-standing aim of Key Digital®, an award-winning developer and manufacturer of leading-edge digital video processing and video signal distribution solutions. When Carson Springs Baptist Conference Center in Newport, TN, found the need to maximize its existing space by creating a flexible range of space application solutions, its administrators turned to Eaton Technology Solutions’ Doug Eaton, who understood how to address the Center’s needs. “They had a frustrating system that was failing because of its age,” says Eaton, “and it was also very confusing because their space is a little bit complicated. It’s one big room that potentially can be divided into eight smaller rooms – sort of a multi-purpose conference center space. I was introduced to Key Digital’s products probably three-plus years ago, and I have been using Key Digital products here, there and everywhere since.”

One of the main goals with the new system was ease and simplicity of control for Carson Springs personnel as well as guest presenters, many of whom are not technically inclined and need the system to “simply work” every time, no matter the input format or room configuration. Eaton saw this as a prime placement for Key Digital’s Compass Control® Pro software, a fully integrated iOS-based control system, to be utilized by two dedicated iPads for familiar and versatile control throughout the facility. “That was another unique need,” Eaton continues. “They wanted to have control, but they didn’t want to leave control in the room. They have everything from church teen youth groups all the way up to senior citizens and quilting clubs using the space – a wide variety of users – and they didn’t want to have touch panels on the wall in each room. They wanted to be able to set it, configure it, and then take the iPad back to the manager’s office. Compass Control made that easy to do without having to buy any proprietary control gear. We were just able to install the app on a couple of iPads.”

Featuring a customizable layout for ultimate interface clarity and familiarity, these Compass Control Pro-equipped tablets talk directly to the centerpiece of the installation, Key Digital KD-CX800 Master Controllers with IR and RS-232 over IP control capabilities, which integrated seamlessly with several other brands of gear, including the systems’ Clear One digital signal processors housed in the main control room rack. Eaton continues, “I was particularly pleased with how well it integrated with other manufacturers’ products. Not only did they work well in terms of all the audio handshaking with the Key Digital devices, but they were also easily controlled by the Compass Control system. I was afraid at first, seeing that sometimes when you get manufacturer A trying to talk to manufacturer B, you get a lot of finger-pointing and incompatibilities and inconsistencies. But this project was as smooth as butter.”

A variety of other Key Digital components were a sure fit for the job, which sought to connect up to six independent spaces at once with complete input and routing options to any of the conference rooms’ audio and visual playback systems. This was achieved with the use of a KD-MS8x8G 8 Input 8 Output HDMI Matrix Switch with audio de-embedding, which feeds six KD-X444SP HDMI over 50m CAT6 Extender Sets for networked CAT6 connectivity to any of the six displays placed throughout the customizable spaces. For easy interface of presentation devices into the switcher, Eaton used six pairs of independent KD-X2x1WDTx HDMI Display Port over 40m CAT6 HDBaseT Wall Plate Switcher/Transmitters with KD-X40MRx HDMI over 40m CAT6 HDBaseT Receivers. “They needed to connect in *any* section of the room and route that signal to *any* display in the room. The matrix switcher is doing the switching, but because of the distance from the room to the rack, we had to figure out a way to make that all work,” Eaton states. “They’ll walk in with their device and they want to use it to do a presentation. Depending on the room configuration, the front of the room is not always in the same place.”

While Eaton Technology Solutions boasts of successful technical installations ranging from houses of worship to school systems, small businesses and other multifaceted (and often budget-conscious) clients, Eaton had additional goals in mind for Carson Springs. “I’ve been told I have the heart of a teacher, and I find that I’d much rather people understand than purchase.” The Key Digital products installed at Carson Springs allow him to do just that: focus on the user experience instead of what is happening inside of the rack. “We built that interface from scratch for this very unique space and room, and to make everything, from controlling the pan tilt zoom camera to being able to do screen layouts, on the iPads as simple as humanly possible.”

Through working with Key Digital across a multi-year relationship, Eaton has developed a strong appreciation for the dedication of their technical support team, including his experiences with Key Digital’s VP of Product Education & Experience, Jonathon Ferry. “My biggest reason for picking Key Digital products is knowing that Jonathan’s only a phone call away if I have an issue. I’ve never worked with a more patient, diligent, technology solutions-minded person.”

**Links**

[Key Digital](http://keydigital.com/)

[Key Digital Compass Control Pro](https://keydigital.org/compass/index)

[KD App](https://keydigital.org/category/ios-control-apps/KD-App)

[KD-CX800 Master Controller with IR, RS-232 over IP Control Interface](https://keydigital.org/category/master-controllers-and-control-interfaces/KD-CX800)

[KD-XUSB2 USB Extender Hub](https://keydigital.org/category/presentation-solutions-accessories/KD-XUSB2)
[KD-MS8x8G 8 Input 8 Output HDMI Matrix Switch](https://keydigital.org/category/4k-18g-hdmi-matrix-switchers/KD-MS8x8G)

[KD-X444SP HDMI over 50m CAT6 Extender Set](https://keydigital.org/category/4k-18g-444-60hz-hdmi-extenders/KD-X444SP)

[KD-X2x1WDTx HDMI Display Port over 40m CAT6 HDBaseT Wall Plate](https://keydigital.org/category/ucc-solutions/KD-X2x1WDTx)

[KD-X40MRx HDMI over 40m CAT6 HDBaseT Receiver](https://keydigital.org/category/ucc-solutions/KD-X40MRx)

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Photo File 1: ConferenceCenter.jpg
Photo Caption 1: The multi-purpose conference and presentation space at Carson Springs Baptist Conference Center can be divided into up to smaller spaces with reconfiguration of AV resources made easy by an Eaton Technology Solutions-implemented Key Digital infrastructure that includes unified control via iPads running the Compass Control iOS app with customized control screens.

Photo File 2: Rack.jpg
Photo Caption 2: The AV rack in the Carson Springs Baptist Conference Center is anchored on control and AV distribution gear from Key Digital, with the Compass Control fully integrated iOS-based control system on twin iPads managing Key Digital and third party gear.

Photo File 3: WallPlates.JPG
Photo Caption 3: Key Digital KD-X2x1WDTx HDMI / Display Port Wall Plate Switcher/Transmitters are used for local input of presenter content with CAT6 cabling connecting to KD-X40MRx Receivers (provided with the wall plate switchers) in the Carson Springs Baptist Conference Center equipment rack where they feed a KD-MS8x8G 8x8 HDMI Matrix Switch which in turn routes the content to the desired video displays using CAT6-linked KD-X444SP HDMI Extender Sets.

**About Key Digital**:

Established in 1999, Key Digital® designs and engineers intuitive digital A/V connectivity and control solutions that embody excellence. Key Digital delivers reliable, superior-quality, easily-implemented, versatile, high-performance products for corporate, education, government, house-of-worship, bar & restaurant, digital signage and residential A/V applications.

Founded by innovator Mike Tsinberg, holder of over 40 digital video and HDTV patents, Key Digital designs and engineers its products in-house at its USA headquarters in Mount Vernon, New York. The result of meticulous research, development and testing, Key Digital products showcase the company’s extensive, unparalleled technical knowledge and expertise, as well as its market-driven approach, serving as a partner to consultants, designers, and system integration firms in the A/V industry. Key Digital works as its clients’ extended engineering team, developing customized solutions for specific applications. Key Digital is an lnfoComm, CEDIA, CES, and NAHB award-winning manufacturer.

Key Digital, Engineered For Your Success™

For more information, visit our webpage at [*www.keydigital.com*](http://www.keydigital.com/)*.*

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