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**RF Venue gives the newly renovated Simpsonville Arts Center a reliable wireless backbone**

Part of the year-long Arts Center renovation, RF Venue’s [DISTRO9 HDR™](https://hubs.li/Q016yg3M0) RF distribution amplifiers and a cross-polarized, hybrid-design [Diversity Fin® Antenna](https://hubs.li/Q016ygnp0) not only give the venue a robust 16-channel wireless infrastructure but also shield it from the 60-plus wireless channels used by the large house of worship directly next door

*Ashland, MA, USA*, *April 12, 2022* — The yearlong renovation of the Simpsonville Arts Center in Simpsonville, SC, came to a close on Feb. 15. The grand-opening event revealed a revamped venue whose auditorium had reduced capacity from 900 to 380, with the space used for larger, more comfortable seating and more legroom, as well as a lobby with a ticket desk and concessions area. Other changes to the auditorium included adding acoustic panels and updating all the sound and light equipment, installing new stage curtains, and revamping and expanding the dressing room area under the stage. But perhaps the most significant change is one most people never see but everyone hears: a new RF Venue wireless infrastructure comprising two DISTRO9 HDR antenna distribution systems, able to accommodate the Arts Center’s 16 channels of Sennheiser G4 wireless microphones, and a cross-polarized, hybrid-design Diversity Fin Antenna to assure that there will never be any dropouts. The RF Venue equipment was installed by Roebuck, SC-based integrator [Productions Unlimited](https://productionsunlimitedinc.com/), which also designed and installed a new TW Audio PA system with Danley Sound Labs subs, and an Allen & Heath Avantis front-of-house console. The renovated venue gives the city a quality locus for performing arts, including a second home for the Mill Town Players, who will stage their inaugural season of six theater shows there.

“The city had been looking at creating a performing arts space for some time, and this was an older city school building that was a good fit for that,” says Jordan Tripp, A/V Department Manager for Productions Unlimited, which also installed lighting and rigging systems for the new venue. But the wireless audio was a particular concern. The venue management wanted as much of it as they could fit, in this case 16 channels. And the system had to be able to negotiate the architecture and geometry of an older building. And perhaps most concerning of all was that the Simpsonville Arts Center was literally next door to First Baptist Church Simpsonville, which has a large stage, auditorium, and balcony, and uses what Tripp estimated is more than 60 channels of wireless microphones for its services. “A pair of multi-zone RF Venue DISTRO9 HDRs, says Tripp, “gave us the channel count we needed, and it let us split the 16 channels into two bands for better management and maximum system stability, as well as consolidating all of the receivers into a single rack,” he says, crediting Productions Unlimited Senior A/V Systems Engineer Jim Breitmeier for completion of the audio system design, including having the foresight to divide the Senneiser G4 wireless into two frequency bands. “But we also had to keep an eye on all of the RF next door. The Diversity Fin antenna was the perfect solution for that — its cross-polarized hybrid design pretty much eliminates the possibilities for dropouts. It’s the anchor for what is an incredibly stable, rock-solid RF environment here now.”

More information is available at [rfvenue.com](https://hubs.li/Q011VLWW0).

Photo file 1: Simpsonville\_Arts\_Center\_AV\_rack.jpg

Photo caption 1: The gear complement housed in Simpsonville Arts Center’s AV rack includes a pair of linked RF Venue DISTRO9 HDR distribution amplifiers that feed the 16-channels of wireless microphone signals captured by an RF Venue Diversity Fin Antenna to Sennheiser G4 wireless mic receivers

Photo file 2: Simpsonville\_Arts\_Center\_AV\_Control\_Center.jpg

Photo caption 2: The audiovisual control center at the Simpsonville Arts Center

**About RF Venue**

[RF Venue, Inc.,](https://hubs.li/Q011VLWW0) is an innovative and fast-growing developer and manufacturer of patented antenna and RF communications products headquartered near Boston, Massachusetts, USA. The company’s mission is to help anyone who needs to speak, listen, or perform – indoors or outside – communicate reliably without the distraction of signal dropouts or interference. The company provides high-quality affordable aftermarket antenna and accessory solutions to improve the performance of any manufacturer’s wireless microphone and in-ear monitor (IEM) systems. Markets include houses of worship, schools, business venues and performance spaces worldwide. RF Venue is known for its highly successful CP Beam™, RF Spotlight™ and Diversity Fin® antennas, along with other RF products. Visit [rfvenue.com](https://hubs.li/Q011VLWW0) to learn more.