

Sony DWX Digital Wireless Allows Sound Engineer to be Worry-Free

CASE STUDY

Customer:

- Sound Engineer Rick Camp

Industry:

- Entertainment

Challenges:

- Need reliability, stability, and range in sound quality
- Provide wireless mics that come up to musicians' standards

Solution:

- Use Sony DWX Digital Wireless Mic Series

Benefits:

- Delivered sound quality that artists love
- Allowed for performers to move about the venue without loss of sound quality
- Ensured continuous, stable signal



“Reception, sound quality, stability, distance they could go—it’s all positive.”

—Rick Camp

After 30 years of sound engineering experience on the road, Rick Camp knows what works best for his musicians to help them deliver their best performance. He’s seen technology evolve from analog to digital, and one area that’s changed the most—and for the better, in his view—is wireless microphone systems. His latest experience is with Sony’s DWX digital wireless mic series.

Camp used the Sony systems on tour recently with Kenneth “Babyface” Edmonds, to handle vocals for the producer/musician/songwriter and his brother, Kevin. The results were positive across the board: superb sound quality, stability, and unlimited freedom on stage.

The most important test for any audio technology is how it sounds and Sony’s

DWX series passed Camp’s test with flying colors.

“The sound quality is great, and the artists love it because it matches their styles perfectly,” Camp said. “Musicians, especially vocalists, are extremely particular about getting their sound right, and they have very clear opinions about the technology they use. The Sony systems were absolutely the right choice, and they’ll definitely be my top choice again.”

On any tour, moving from venue to venue, production teams never know what they might encounter as far as “noisy” environments and situations where it’s challenging to get a stable wireless signal.

“Using the Sony systems on this tour, I was assured that I was never going to





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be stepped on as far as somebody else’s frequency interrupting my signal,” Camp said. “It is extremely stable.”

Sony’s DWX digital wireless offers RF remote control of transmitter settings from the receiver (using a separate RF carrier for remote control), so the engineer does not need to physically access the transmitter during a live performance.

Camp added that this type of flexibility and user control allowed him to easily do whatever he needed to do during a show. “For example, if I needed to turn down the capsule gain on the fly, it was no problem.”

The Sony system’s flexibility also came in handy at the end of each show, when extra range was needed, without sacrificing any sound quality or reception.

“At the end of each show, Babyface and Kevon run out into the audience, all the way to the back of the house and take a lap around the whole venue,” Camp said. “The signal remained strong. The range on these mics is tremendous.”

As an engineer, that freedom makes his job much easier.

“They can focus on what they need to do—interacting with the audience and giving the best performance they can, without having to worry about how they sound,” Camp said. “Knowing the artists on stage have that

capability to be more creative, I can spend my time making sure the whole show is going smoothly, knowing the sound will be perfect.”

The Sony DWX series is designed to offer audio professionals the flexibility necessary to handle wireless transmission in nearly any type of environment, offering the right combination of sound quality, stable transmission, performance, and durability.

The digital wireless microphone system transmits and receives high-quality 24-bit/48-kHz digital audio. Using Sony’s original WiDIF-HP codec, the system delivers a wide dynamic range of more than 106 dB, a wide frequency response of 20 Hz to 22 kHz, and an excellent transient response.

The DWX Series enables highly stable wireless transmission that is extremely tolerant of unwanted interference. In addition, the system transmits and receives digitally modulated and encrypted data to minimize the risk of interception, providing highly secure transmission and reception.

With the Babyface tour over and plans already in the works for new projects, Camp said that he would have no problems using the Sony DWX series again.

“Reception, sound quality, stability, distance they could go—it’s all positive,” he said.

For more information, visit www.sony.com/proaudio.