

## CASE STUDY

# BARS & RESTAURANTS



### OPPORTUNITY

Create a user-friendly system that can play a wide range of audio sources and manage volume levels in different areas of the bar with ease.



### SOLUTION

E2I selected a complete audio solution by HARMAN Professional Solutions made up of dbx controllers, Crown amplification and JBL speakers for their seamless integration, intuitive operation and exceptional sound quality.

“

With the HARMAN system, everyone at the bar can hear what's going on and customers sitting at tables can actually have conversations.”

### WONDERS BAR AND GRILL, TEXAS, USA

E2I Design installed a complete audio solution by HARMAN Professional Solutions at Wonders Bar & Grill, a newly opened pub, restaurant, sports bar and live music venue in downtown Corpus Christi. Owners Dayyan and Darren Wonders hired David Rotter, a Systems Integrator at E2I Design, to create a user-friendly system that would enable them to play a wide range of audio sources and manage volume levels in different areas of the bar. After careful consideration, E2I selected a complete HARMAN audio solution made up of dbx controllers, Crown amplification and JBL speakers for their seamless integration, intuitive operation and exceptional sound quality.

“The owners wanted a state-of-the-art audio system that was very user-friendly, with auto-switching capabilities and independent volume control for different zones in the bar,” said Rotter. “By partnering with HARMAN, we were able to cover all of our bases for the system—including controllers, amplification and speakers—all from one integrated provider. All of the solutions work together seamlessly, and the HARMAN team was extremely helpful in making sure that the system we created met all of the customer's needs.”

The system E2I Design installed at Wonders Bar & Grill includes a dbx ZonePRO 1260m digital zone processor, 4 dbx ZC2 wall-mounted zone controllers, 1 dbx ZC3 wall-mounted zone controller, 1 Crown DCi 4/600 power amplifier, 8 JBL AWC82 loudspeakers and 1 JBL SRX828SP dual self-powered subwoofer system.

Using the ZonePRO processor, E2I Design created four separate audio zones within the bar, including a stage area, a general hangout area, an indoor patio and the actual bar itself. All of the zones play the same audio source and have their own volume controller, which allows the staff to set different volume levels within the same room and enhance the overall experience for customers. For example, the music can be turned up very loud



AKG

AMX

ESS

CROWN

dbx

JBL  
PROFESSIONAL

lexicon

Martin

Soundcraft

STUDER



“

The ZonePRO has the tools we needed to ensure that the system could adapt and deliver amazing sound quality with all of the different audio sources in the bar. It was almost three-dimensional sounding with the way it was designed and how well the HARMAN solutions interact with each other.”

in the back of the room near the pool tables, and set much lower in front of the bar so patrons can easily order drinks and have conversations without shouting over the music. The AWC82 speakers are also highly directional, and E2I installed them to point away from the bar to make the area even quieter.

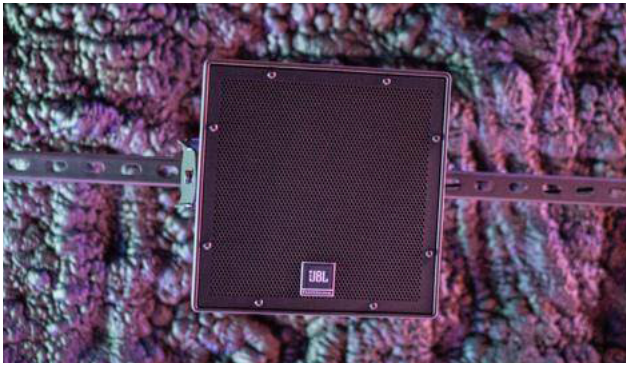
The system is programmed to automatically switch between multiple audio sources, which can be prioritized using selector switches for different events at the bar. The TV can be set to override the music from the jukebox during a big football game, or a live DJ can override the TV and jukebox during a performance. Finally, the system is designed to sleep until there's an input source, so there's no need for the staff to worry about powering the system on or off.

“I've had three other bars with sound systems, but I wanted to do something different for this one,” said Dayyan Wonders, owner of Wonders Bar & Grill. “In a lot of bars, it gets so loud that the bartenders can't hear what the customers are ordering. With the HARMAN system, everyone at the bar can hear what's going on and customers sitting at tables can actually have conversations. And with auto switching, we don't have to worry about customers trying to play the jukebox when the rest of the crowd wants to hear the game. This my favorite system I've ever had—I couldn't be any happier.”

E2I Design hired audio engineer Mike Pena to fine-tune the system and ensure that the audio sounds great anywhere in the room. Using the ZonePRO, Pena was able to program limiters, volume levels and EQ settings for each separate zone and audio source. The seamless integration between the HARMAN solutions made the entire tuning process fast and easy, and the resulting sound quality speaks for itself.

“I work with a lot of HARMAN products in touring sound systems, and I got that same level of clarity and detail from this system,” said Pena. “The ZonePRO has the tools we needed to ensure that the system could adapt and deliver amazing sound quality with all of the different audio sources in the bar—from a country song on the jukebox to a basketball game on TV. We were able to get the system sounding great in all of the different sections and zones, and do it quickly. It was almost three-dimensional sounding with the way it was designed and how well the HARMAN solutions interact with each other.”





“

I work with a lot of  
HARMAN products in  
touring sound systems,  
and I got that same level  
of clarity and detail from  
this system.”

#### PRODUCTS USED

**DBX ZONEPRO ZONE PROCESSORS**

**DBX ZONE CONTROLLERS**

**CROWN DCI AMPLIFIERS**

**JBL ALL-WEATHER COMPACT SPEAKERS**



#### CONTACT

For PR Inquiries:

David Glaubke

Director, Public Relations

HARMAN Professional Solutions

david.glaubke@harman.com

+1 (818) 895-3464 Office

+1 (818) 470-7322 Mobile

To Speak With Someone About  
HARMAN Products and Solutions,  
visit [pro.harman.com/contacts](http://pro.harman.com/contacts)

#### ABOUT HARMAN

HARMAN ([harman.com](http://harman.com)) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In March 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.



© 2018 HARMAN International Industries, Incorporated. All rights reserved. Harman Kardon, Infinity, JBL, Lexicon and Mark Levinson are trademarks of HARMAN International Industries, Incorporated, registered in the United States and/or other countries. AKG is a trademark of AKG Acoustics GmbH, registered in the United States and/or other countries. Features, specifications and appearance are subject to change without notice.