REDNET®

Bang Zoom!

**RedNet HD32R Is a Critical Component
of Dolby Atmos® Infrastructure at Audio
Post Facility Bang Zoom! Entertainment**

**CASE
STUDY**

Focusrite
PRO

Emmy Award-winning studio has RedNet at its heart

Providing the very best post audio for cutting-edge animated series and films is a never-ending quest, as technology is constantly changing and improving. Bang Zoom! Entertainment, based in Burbank, California, is one such post audio facility and has earned two Daytime Emmy Awards for Outstanding Sound Mixing and Outstanding Sound Editing. It also provides post audio for the acclaimed animated series Rick and Morty. Currently, Bang Zoom! operates from 15,000 square feet of space housing seven ADR recording stages, two Foley stages, six edit bays, and four Dolby-certified mix stages with 5.1, 6.1 & 7.1 surround-sound capabilities.

Additionally, the facility has recently added a mix stage for Dolby's Atmos® immersive audio format with the help of Westlake Pro, who specialise in design and integration for immersive studios and post-production facilities. Westlake Pro supplied all the RedNet products and worked closely with the team at Bang Zoom! to ensure the install met Dolby's specifications.

Moving all of that sound around the facility is a Dante® network, served by six Focusrite RedNet HD32R 32-channel HD Dante network bridges. These system components act as the backbone of the facility's content and signal transport infrastructure, enabling them to handle the high channel count of a Dolby Atmos mixing session. In addition, Bang Zoom! also utilises a RedNet X2P 2x2 Dante audio interface as a headphone monitoring and talk-back solution, as well as a RedNet PCIeR Card for the rendering engine, and a pair of RedNet 4 eight-channel mic preamps in their other studios.

The new Atmos mix stage is designed as a one-person mix position: four HD32R units take up to 128 channels from the Avid Pro Tools | HDX system to the Dolby RMU Atmos rendering and mastering processor; two more HD32Rs serve as the interfaces for the studio's Pro Tools recording system.

> **"Oh, this is what you want to do? Then this is what you will need: the Focusrite RedNet HD32R."**

Danny Fasold: Sales Consultant — Westlake Pro

Danny Fasold, Sales Consultant at Westlake Pro says the Focusrite HD32R was the perfect match for the studio's Dante network and a key piece to implementing Atmos. "They always knew that they were going to go with Atmos, and they always knew that they needed to build Dante into their infrastructure, tie into their main mix stage, and be able to pull audio to and from any room, so the HD32R was the solution," he says. "It was the perfect tool to bridge their Dante network to their Avid Pro Tools system. It doesn't take a lot of convincing — Oh, this is what you want to do? Then this is what you will need: the Focusrite RedNet HD32R."

In fact, RedNet products add any number of workflow advantages at Bang Zoom!, but for Belfiglio, the real benefit is RedNet's simplicity. "I love the fact that it just shows up in Pro Tools as an HD I/O, which most people are familiar with, and the fact that it can go right into your Dante system for routing. You can see all your different devices, monitor them, change settings on them, and display them in your own custom user interface. With one click of a button to open the program, you can look at all of them. You can see if they're passing audio, and you can see if the settings are correct. You can see if they're being recognised, which is also nice for troubleshooting if that need arises. The HD32R now makes up the backbone of our system I/O. It's small and compact — just one rack space — and it just works. We love RedNet!"

> **"With RedNet, we could simply expand on the existing system. It gave us a clear and easy pathway forward."**
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> **August Belfiglio**
> Lead Audio Technical Engineer — Bang Zoom!

August Belfiglio, Lead Audio Technical Engineer at Bang Zoom!, says two of the HD32R units were already in place at the facility before the addition of the Atmos mix studio. "So instead of having to get a new interface for that increased channel account, we just added two more HD32Rs to the mix rig and then added two more to the dub rig," he explains. "So it was easy to keep expanding with that instead of having to get something new. With RedNet, we could simply expand on the existing system. It gave us a clear and easy pathway forward."

The RedNet infrastructure also allows the studio to move fluidly between its traditional stereo and 5.1 workflows and Atmos. A RedNet X2P 2x2 Dante audio interface, featuring two Red Evolution mic preamps, stereo line out and a stereo headphone amplifier, also adds flexibility to the Atmos room. "It's there if the mixer wants to mix in headphones, but it also serves a talkback for when we're on remote-mixed view-downs with clients, and if we ever need a microphone for someone to lay down some quick scratch or [vocal] sound effects. It comes in handy for a lot of things and it's fully integrated into the entire RedNet system, so it's always there whenever we need it."
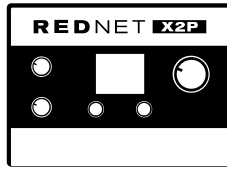
Bang Zoom! uses:

6 x RedNet HD32R
32x32 Pro Tools | HD I/O
with dual PSUs

1 x RedNet X2P
2x2 analogue I/O with 2x mic pres,
headphone and line output, PoE supplied

About Focusrite Pro

Focusrite Audio Engineering has pioneered professional audio recording technology spanning almost three decades. Focusrite Pro, the company's professional and commercial division, meets the demands of recording, post-production, live sound and broadcast professionals. It consists of RedNet, a fully modular audio-over-IP solution, and the Red range, Focusrite's flagship multi-format interfaces, along with the heritage ISA range of microphone preamplifiers and analogue signal processors. The solutions have been developed to meet the needs of the most demanding applications through a relentless focus on ease of use, quality and reliability. Focusrite is based in High Wycombe, Buckinghamshire, with offices in Los Angeles and Hong Kong.

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