

In the News

- 5** Group One to Distribute Solid State Logic Gear in North American Market
- 5** John Waite to Host 19th Parnelli Awards Ceremony in Anaheim
- 10** AES 2019 in New York: Grandmaster Flash and 330 Informative Sessions
- 12** Audio-Technica Closes Alteros Subsidiary

Buyers Guide

- 50** Compact Line Arrays



40 PRODUCTION PROFILE

IRON MAIDEN

Top-Notch Crew Unleashes Epic Sound for Band's "Legacy of the Beast" Tour

FOH ENGINEER KEN "POOCH" VAN DRUTEN AND COVER IMAGE BY STEVE JENNINGS

inside this month

24
Show Report
Product Hits of AES New York 2019

33
Hometown Heroes
Meet the Regional Winners

42
Tour Perspective
On the Road with Fleetwood Mac

COMPACT TOURING TAKES OFF

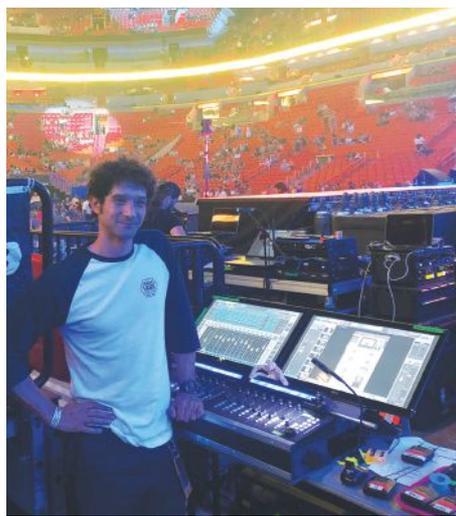
For fly-dates, bus tours and support slots – wherever the scale of audio requirements conflicts with space and weight constraints, dLive lets you take the system you trust wherever you may roam, so you'll never need to gamble on house consoles again.

ALLEN & HEATH





The setup includes Waves' eMotion LV1 Live Mixers, SoundGrid servers and plugins. Pictured here, Brian Hernandez at FOH.



Carlos Del Valle at monitors.

Rosalía Sound Engineers Keep the Mix Rolling with Compact Digital Setup

BERNE, Switzerland — Rosalía is the first Spanish artist to have triple charting number-ones during the same week for album sales, album streaming and singles sales. FOH engineer Brian Hernandez and monitor engineer Carlos Del Valle chose Waves' eMotion LV1 Live Mixers, SoundGrid servers and an arsenal of essential Waves plug-ins for Rosalía's 2019 world tour.

"The main reason for choosing the LV1 was its minimal footprint. I'm using a Waves Axis One computer, SoundGrid Extreme Server C, NETGEAR 108 and DiGiGrid IOC interface for local I/O and two Icon Platform M and X controllers with two LG 23-inch touch screens," said Hernandez. "All of these fit into two Pelican cases, so no need for anyone to help rolling in a large console. I'm impressed with the sound quality and the amount of detail. There's a lot of definition in the low-end and I have more headroom to play with."

On plug-in processing, Hernandez said "The Waves C6 MultiBand Compressor and the F6 floating-Band Dynamic EQ are an absolute must. Not only with these plug-ins, but

overall, the LV1 architecture allows the best side-chaining possibilities, which are indispensable when mixing Rosalía's show. The Waves Primary Source Expander (PSE) and the WNS Noise Suppressor allow the aesthetics of the album to really translate into the live show. The Waves Renaissance Vox helps sit the vocals in the right spot, and has an excellent-sounding gate. The Waves X-FDBK is really helpful to dial-in quick cuts that I assign to a user-assigned key and engage it for when she goes down to the pit or out on a catwalk — a very efficient and huge timesaver during sound check/line check."

Monitor engineer Carlos Del Valle has a similar setup. He adds that, "on stage, we use a DSPRO StageGrid 4000 for Ableton Live, redundant inputs, clappers and synths from the stage, a DiGiGrid IOX high-count interface for vocal inputs and additional outputs, and a DiGiGrid MGB (MADI to SoundGrid interface) for Tune Real-Time sends/returns. We feed 10 IEM systems for band, techs and cue, and a sub for the keyboard player and musical director."



JORDAN MCLACHLAN

FE-Live Supports Sold-Out Lewis Capaldi Tour

Nick Lawrie used Allen & Heath's dLive S5000 at monitor position.

GLASGOW, Scotland — Scottish singer-songwriter Lewis Capaldi made history by becoming the first artist to both announce and sell out an arena tour before the release of his album, which went on to become the U.K.'s best-selling record in the past five years.

"In early 2019, we were looking for an audio package that was powerful, flexible and compact enough for us to use on every show, be it part of a tour or a run of overseas festivals where space, weight and setup time are at a premium" notes FOH engineer, Andrew Bush.

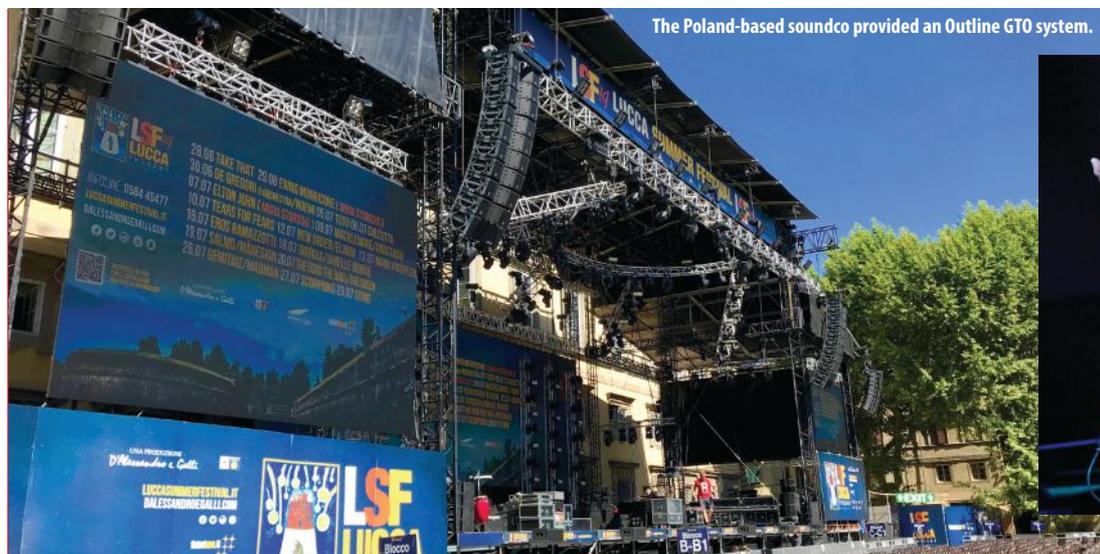
Supplied by Glasgow-based audio hire company, FE-Live, Capaldi's full arena rig includes Allen & Heath dLive S5000's on both FOH and monitors, paired with a DM64 MixRack (monitors) and DM0 MixRack (FOH). Additionally, Bush utilizes two DX32 expanders for further I/O.

Bush also has a smaller dLive Wings rig, which is used for fly-in dates and comprises

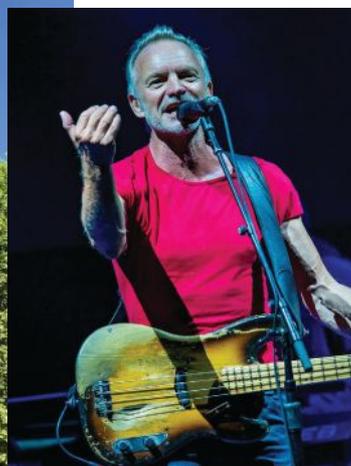
a multi-surface setup with two C1500's and a DM48 MixRack. "The transition between surfaces was easy: the dLive software is identical, so moving from C1500 to S5000 was simply a case of reorganizing the fader layouts." Bush also uses a Dante card (fitted to the surface) for virtual sound-check and recording each show.

Bush and monitor engineer Nick Lawrie make full use of dLive's built-in FX and onboard DEEP processing features, particularly on vocals. "Lewis can go from head-voice to chest-voice in a matter of seconds, so the Dyn8's multiband compression and dynamic EQ is a godsend, allowing me to quickly even the mix out where needed," said Lawrie.

In 2020, Capaldi will have performed to more than a quarter million people during his U.K. and European headline shows. Bush notes, "It's shown us that dLive can handle the demanding needs of this tour, while providing class-leading tools and studio-quality sound."



The Poland-based soundco provided an Outline GTO system.



Sting and other top acts performed.

Target Sound Handles Tall Order with Italian Lucca Festival

LUCCA, Italy — Lucca may be a small town, but the 2019 Lucca Summer Festival was a major event, featuring headliners such as Take That, Toto, Macklemore, Tears For Fears, New Order, Mark Knopfler, Janelle Monáe, The Scorpions and Sting, as well as top Italian acts, all performing in the main square of this ancient Tuscan city.

Chorzów, Poland-based Target Sound provided Outline GTO loudspeakers for the event. The setup featured nine GTO C-12, plus a GTO-DF as downfill/side, and 18 Superfly systems on outfill duty.

On stage, there were two stacks of four Mantas 28 systems and eight LIPF 082 enclosures for front fill. Twenty Outline DBS 18-2 double-18 subs in a virtual arc configuration handled the low-end. The system was powered by six Powersoft X8 amps (each with eight 3,000 watt channels) and Outline's Newton drive control was used at FOH.

"The Outline system gained a fan as soon as I opened the P.A. up," said Amanda Davis, Janelle Monáe's FOH engineer. "I didn't have to do much at all to get what

I needed out of the system, which translated the core sound of the instruments/vocals on stage clearly. Also, considering I had a 95 dB limit and Janelle's shows can get pretty loud, I had a lot of headroom."

"I genuinely love this P.A.," said Tears for Fears' FOH engineer Joe Harling. "It's very natural sounding, seemed to behave evenly across the whole frequency spectrum, and had plenty of headroom for our show. It translated the emotion of the music perfectly and this P.A. is definitely in my top three or four now."



Han Wassink of TSR with dBTechnologies' Harald von Falkenstein and Rob Pigmans.

TSR AV Expands Audio Arsenal in the Netherlands

COLOGNE, Germany — For the past 15 years, TSR AV has supplied audio to concerts, major public events and corporate gigs in the Netherlands. To expand its capabilities, TSR AV became the first Dutch company acquire dBTechnologies' new VIO line array rig, with 16 VIO L212, 12 VIO L210 and 16 VIO S218 subwoofers to its rental inventory.

With its 3-way, active 3,200-Watt design, the VIO L212 is dBTechnologies' full-size line array for large-event applications, yet is one of the most compact and lightweight dual-12 line array systems in its class. Integrated RNet networking allows systems to be operated with dBTechnologies' Aurora Net software and VIO L1212 offers fast, easily configurable rigging solutions and 142 dB max SPL output.

"As a long-standing dBTechnologies user, we have great trust in the brand," said TSR AV founder Han Wassink. "With the VIO system, dBTechnologies has taken an enormous step in technical development. We see great potential for the audio system in the Dutch market."