



LEA
PROFESSIONAL



1504N Amp
1504NH818923012
AP: CS1504-3012
192.168.1.1



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AP: CS1504-3012
192.168.1.1



FAULT
THERMAL
CLIP
SIGNAL
READY

A MESSAGE

From Our Team



Recent experience suggests the industry's response to our Connect Series product line has been tremendous. Consisting of two families—the Network Connect Series and Dante Connect Series—the world's first IoT-enabled smart amplifiers offer unparalleled features for professional AV system integrators. Throughout the journey, our ascent as a technology-first organization provides a uniquely positioned competitive edge. From intelligible IT integration, advanced DSP and smart power—to intuitive software, cloud connectivity, and cutting-edge mechanical design—these differentiators and more equate to The LEA Advantage. Our pursuit of continuous innovation remains persistent. We will continue to push boundaries and expand our offerings by providing more vertical market-oriented solutions. Above all else, our character is unwavering and rooted in value-driven excellence. LEA Professional provides not just products, but pathways to success for our customers.





Software and IT Solutions That Make Sense



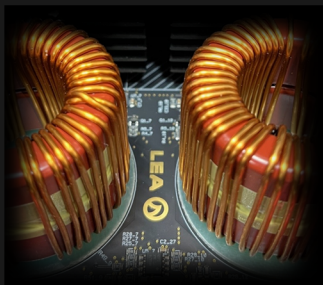
- Connect via Access Point Mode, WiFi Mode, or Wired Mode
- WebUI works on any browser and any device, ideal for small installs
- SharkWare for Mac and PC for medium to large installs
- 3rd Party APIs to integrate LEA into many system control solutions
- The LEA Professional Cloud – FREE cloud monitoring and control for remote support

Built-in 96kHz Native DSP



- 96kHz offers superior audio quality with more accuracy than 48kHz DSP
- D-models offer 96kHz capable Dante for superior AOIP performance
- Built-in DSP functions eliminate the need for external DSP hardware
- Over 3000 Speaker Tunings from 30+ speaker manufacturers

Smart and Efficient Power Delivery



- Ultraefficient design delivers high-power in a small, lightweight package
- Direct Lo-Z or 70V/100V selectable by channel
- Universal SMPS operates from 85VAC – 277VAC
- 1U design on most models saves rack space
- Smart Power Bridge doubles power on 1 channel without sacrificing another channel

CONNECT **SERIES** HALF-RACK

NEW!



Compact and powerful, these half-rack space form factor models deliver the most feature-rich amplifiers available in the industry—featuring onboard DSP, WebUI, third-party API control, LEA Cloud connectivity and more. Each is built with fully routable analog balanced, unbalanced, and mic inputs and D-units have the addition of Dante and AES67 connectivity. All models offer three network connection options: utilizing the built-in Wi-Fi Access Point, connecting to an existing Wi-Fi network, or using a Local Area Network Ethernet connection.

Connect Series Features

- ④ 3 Ways to Connect – Access Point, Wi-Fi, or Wired
- ④ Built-in 96kHz DSP for superior sound quality
- ④ Over 3000 speaker tunings available
- ④ Smart Power Bridge technology
- ④ Direct Lo-Z or Hi-Z selectable by channel
- ④ Universal Power Supply: 85VAC – 277VAC
- ④ Balanced analog Inputs
- ④ WebUI, SharkWare, LEA Cloud, and third-party APIs
- ④ Cloud-based OTA firmware updates and notifications

CONNECT SERIES 1504



The CS1504 4-channel model drives up to 1500 watts per channel into 2, 4, and 8 ohms as well as 70Vrms/100Vrms. Available in both Network Connect (CS1504) and Dante Connect (CS1504D) versions, the D-model includes both 96 kHz-capable Dante and AES67 connectivity options. These units also utilize our most advanced DSP with 96kHz linear phase FIR crossover filters, acoustically transparent look ahead RMS and peak limiters, plus 32-bit floating-point DSP with built-in sample rate converters. The CS1504 sets the standard in pro audio amplifier performance, connectivity, and ease of deployment for large installations.

Additional Dante Connect Features

- Ⓜ 96kHz capable Dante AOIP (34D, 64D, 124D – 48kHz only)
- Ⓜ Switchable between Dante and AES67
- Ⓜ Dante primary and secondary inputs for redundant networks
- Ⓜ Dante switched mode for daisy chaining AOIP network
- Ⓜ Dante On-Ramp – analog inputs transmitted to Dante outputs
- Ⓜ Send Analog Signals anywhere on the Network
- Ⓜ 8 in x 8 out Dante (34D, 64D, 124D – 4in x 4out)
- Ⓜ Interoperability with over 3000 other Dante-enabled devices

MORE FEATURES

ROTATING RACK EARS

Rotate the rack ears 90 degrees either direction to mount amplifiers to any surface.

REMOVEABLE GRILLE/AIR FILTER

Remove the front grille to access the air filter for cleaning.

REMOVEABLE POWER BUTTON

Remove the power button to reduce unwanted power-offs.

EXTERNAL I/O

For external fault status or remote On/Off.

ANALOG BALANCED INPUTS

Fully routable inputs.

3 WAYS TO CONNECT

- Built in Wi-Fi Access Point
- Connects to existing Wi-Fi Network
- LAN Ethernet connection

DIRECT LO-Z AND HI-Z

70V or 100V selectable per channel.

PROPRIETARY SMART POWER BRIDGE

Bridge any amp channel for double the power without sacrificing another amp channel.

96KHZ ANALOG DEVICES DSP

- Input routing
- Multiple 48dB/oct crossover filters
- 8 parametric EQ filters
- User configurable speaker limiters
- Real time load monitoring

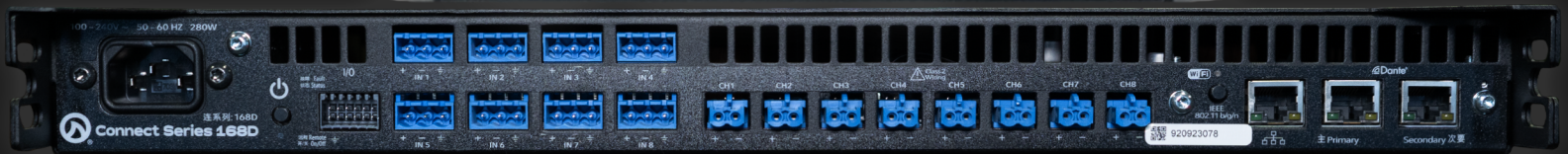
UNIVERSAL SWITCH MODE POWER SUPPLY

With PFC, Operation from 100VAC - 240 VAC +/- 15%.

DANTE INPUTS

Primary and Secondary (Dante models only).

NEW!



POWER BY MODEL

CONNECT SERIES NETWORK MODELS

MODEL		CH	SIZE	8Ω	4Ω	2Ω	25V/70V/100V
Connect 34	NEW!	4	1U 1/2 Rack	30 W	30 W	15 W	30 W
Connect 64	NEW!	4	1U 1/2 Rack	60 W	60 W	30 W	60 W
Connect 84		4	1U	80 W	80 W	40W	80 W
Connect 88		8	1U	80 W	80 W	40 W	80 W
Connect 124	NEW!	4	1U 1/2 Rack	120 W	120 W	60 W	120 W
Connect 164		4	1U	160 W	160 W	80 W	160 W
Connect 168		8	1U	160 W	160 W	80 W	160 W
Connect 352		2	1U	350 W	350 W	175 W	350 W
Connect 354		4	1U	350 W	350 W	175 W	350 W
Connect 702		2	1U	700 W	700 W	350 W	700 W
Connect 704		4	1U	700 W	700 W	350 W	700 W
Connect 1504		4	2U	1500 W	1500 W	1500 W	1500 W

CONNECT SERIES DANTE MODELS

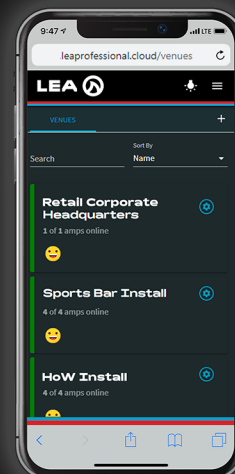
MODEL		CH	SIZE	8Ω	4Ω	2Ω	25V/70V/100V
Connect 34D	NEW!	4	1U 1/2 Rack	30 W	30 W	15 W	30 W
Connect 64D	NEW!	4	1U 1/2 Rack	60 W	60 W	30 W	60 W
Connect 84D		4	1U	80 W	80 W	40W	80 W
Connect 88D		8	1U	80 W	80 W	40 W	80 W
Connect 124D	NEW!	4	1U 1/2 Rack	120 W	120 W	60 W	120 W
Connect 164D		4	1U	160 W	160 W	80 W	160 W
Connect 168D		8	1U	160 W	160 W	80 W	160 W
Connect 352D		2	1U	350 W	350 W	175 W	350 W
Connect 354D		4	1U	350 W	350 W	175 W	350 W
Connect 702D		2	1U	700 W	700 W	350 W	700 W
Connect 704D		4	1U	700 W	700 W	350 W	700 W
Connect 1504D		4	2U	1500 W	1500 W	1500 W	1500 W

SOFTWARE PLATFORMS



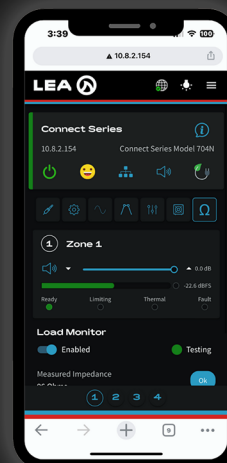
From any device, remotely configure, control and monitor Connect Series amplifiers using the LEA Cloud, powered and secured by AWS IoT Core—no VPN required.

- Perform Over-the-Air (OTA) firmware updates, ensuring all installations are kept up to date with the latest firmware
- Monitor status information easier with LEA Cloud Dashboard View, which allows users to see the health of all their LEA installations on a single screen
- Plus, LEA Cloud now supports event and fault notifications via text or email alerts, allowing integrators to be promptly notified of issues



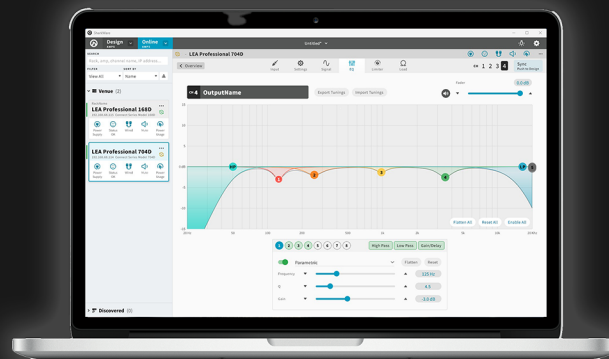
WEB UI

Perfect for quick set-ups and smaller installations, WebUI works across all browsers and devices—plus you're no more than three clicks away from any device setting.



SHARKWARE

For more extensive audio setups and larger systems, SharkWare empowers users with enhanced control and integrators can work in both offline and online modes.



API LIBRARY

Atlona Driver

Control 4 Driver

Crestron Driver

Crestron Home Driver

Elan Driver

Extron Driver

Q-SYS Driver

RTI Driver

Savant Driver

Symetrix Driver

URC Driver

Utelogy Driver

DOWNLOAD

Our APIs and Speaker Tunings



SPEAKER TUNINGS



Ambisonic

Amina

AUDAC

Bose

Community

Danley

DAS

Ecler

HK Audio

I-Sound

James Loudspeaker

JBL Professional

KEF

Klipsch

LEA Professional

Martin Audio

MSE Audio

One Systems

Origin Acoustics

Pioneer Pro Audio

QSC

Reinkus-Heinz

Revel

Snap One

Sonance

Sonance Commercial

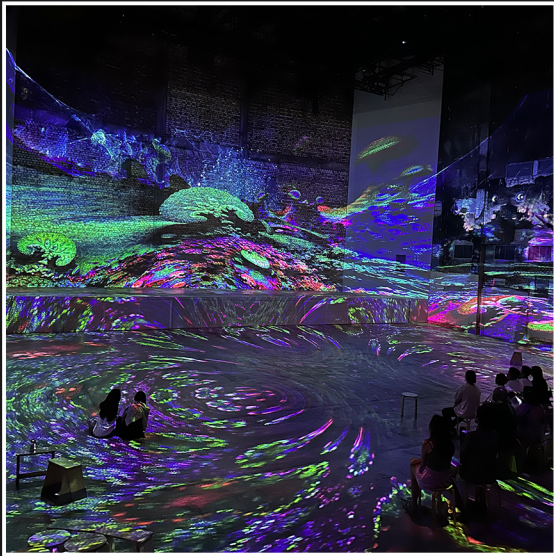
Stealth Acoustics

TOA Electronics

TruAudio

Yamaha

INSTALL SPOTLIGHT



ENTERTAINMENT: REXKL

Challenge:

Deliver world-class immersive audio experience for performance venue.

Solution:

REXKL partnered with Acoustic & Lighting System to craft an immersive spatial audio experience, employing Connect Series 1504D and 704D models to power several two-way loudspeakers and subwoofers.

“We’ve had a lot of success with LEA products and felt they were a perfect fit for the audio system because they could provide the power, performance, and reliability needed.”

Eugene Yeo, Acoustic & Lighting System



EDUCATION: University of Michigan

Challenge:

Support 100,000 sq ft state-of-the-art central campus building with interactive classrooms.

Solution:

U of M’s internal AV engineering team designed the audio system and needed Dante-connected devices to ensure limitless system flexibility and scalability—they utilized a mixture of Connect Series 84D, 354D, 702D and 704D models.

“This project was quite expansive, Dante Connect Series gave us the utmost flexibility, ensuring all elements of the system could ‘talk’ to each other, avoiding any connectivity issues.”

Jeremy Gerick, University of Michigan

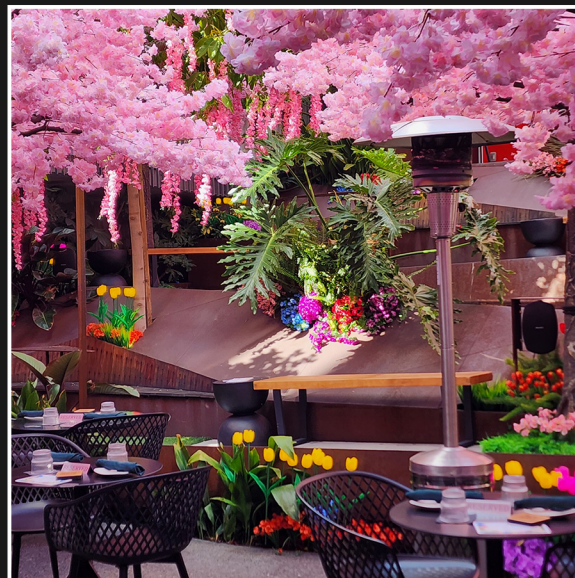
HOSPITALITY: insideOUT Restaurant

Challenge:

Create a tastefully immersive environment for guests while remaining respectful of the remaining building occupants.

Solution:

Collaborating with R-Tech Productions, insideOUT required a tailored audio solution, and integrated Network Connect Series 354 amplifiers to power their main dining area and outdoor atrium.



“I knew LEA Professional would be a great fit for this project as the technology allows you to easily install amplifiers in the correct profile and adjust them accordingly, with no hands-on touching.”

Ramiro Valenzuela, R-Tech Productions

HOUSE of WORSHIP: Muldraugh Hill Baptist

Challenge:

Revitalize the aging audio system.

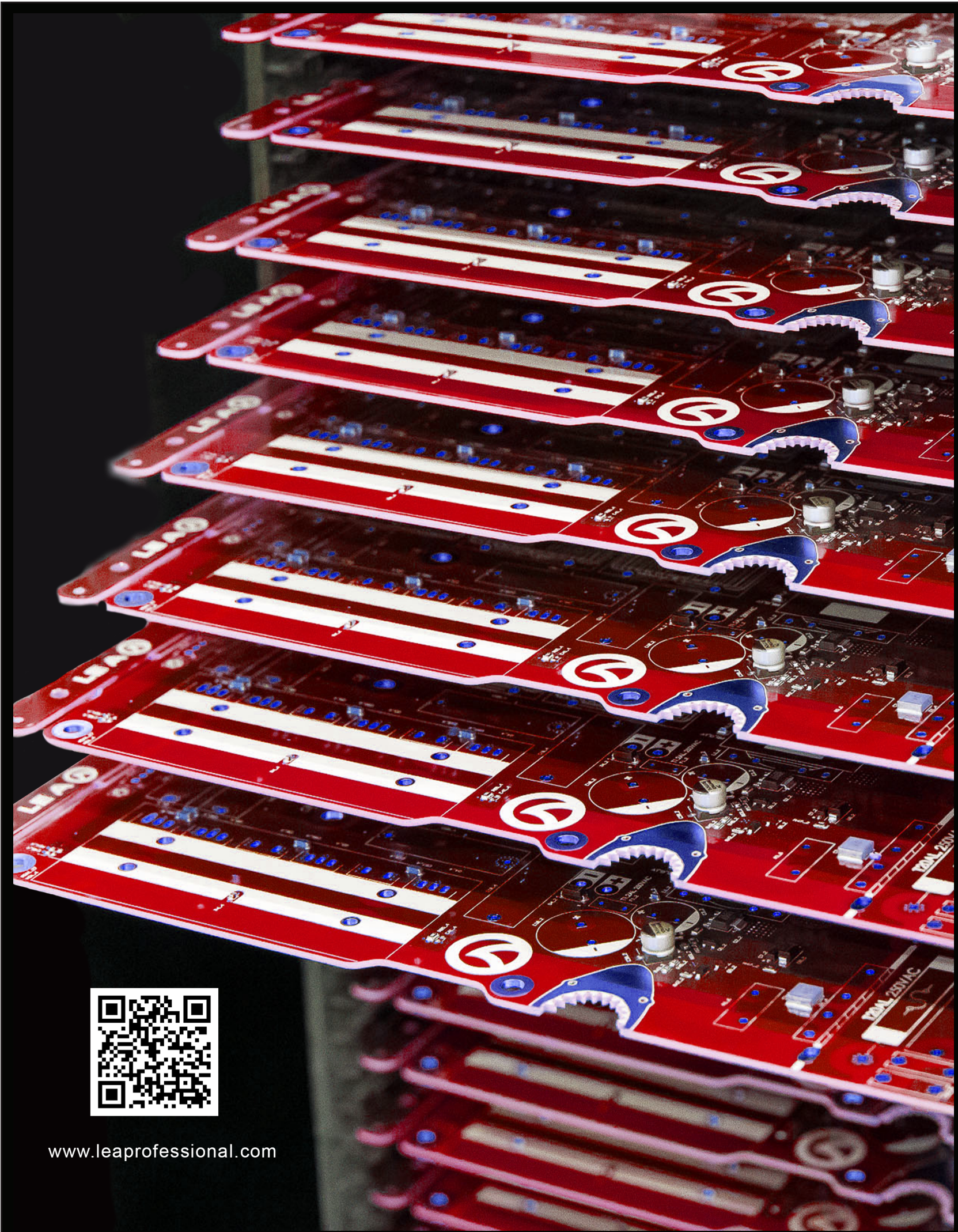
Solution:

With expert guidance from JCA Media, Muldraugh Baptist installed a new multi-component system with several loudspeakers—all powered by Network Connect Series 704 and 354 amplifiers.



“I love the Smart Power Bridge function! I can create a left-center-right (LCR) configuration with a subwoofer on a single four-channel amp, because I can bridge the sub on a single channel, then do the LCR—it helps immensely with our layouts.”

Alex Peake, JCA Media



www.leaprofessional.com