

eLIVE



ALLEN & HEATH

Design for Live

Firmly established at the leading edge of the new wave of digital consoles, dLive has rapidly earned its reputation for superior audio quality, next generation workflows, stunning FX and faithful processing emulations.

dLive's phenomenally powerful XCVI Core, DEEP processing suite and Harmony UI make the most sophisticated mixing challenges feel elegantly simple. From seasoned audio professionals to new recruits, dLive has been crafted to allow the operator to keep their focus on the live mixing experience, not on the mixer.

For professional touring, broadcast and prestige installations, dLive S Class offers ultimate robustness and routing capability, addressing the most complex and demanding scenarios.

dLive C Class presents the same processing core and sound performance in a compact, portable format, making it the smart choice for corporate AV, multi-purpose venues, houses of worship, theatres and regional rental companies.

With a thriving ecosystem of apps, software, remote controllers and more, dLive is fully equipped to become the centrepiece of your next show or project.







CDM32

- 32 mic/line inputs, 16 line outputs
- 160x64 XCVI Core
- 1x 128ch I/O Port

C1500

- 19" rack-mountable
- 12 faders, 72 fader strips
- 12" capacitive touchscreen
- 19 assignable SoftKeys
- 1x 128ch I/O Port



CDM48

- 48 mic/line inputs, 24 line outputs
- 160x64 XCVI Core
- 1x 128ch I/O Port

C2500

- 20 faders, 120 fader strips
- 12" capacitive touchscreen
- 19 assignable SoftKeys
- 1x 128ch I/O Port

LIVE C Class



CDM64

- 64 mic/line inputs, 32 line outputs
- 160x64 XCVI Core
- 1x 128ch I/O Port

C3500

- 24 faders, 144 fader strips
- Dual 12" capacitive touchscreens
- 19 assignable SoftKeys
- 1x 128ch I/O Port



S3000

- 20 faders, 120 fader strips
- 12" capacitive touchscreen
- 26 assignable SoftKeys
- 2x 128ch I/O Port
- Redundant, hot swappable power supply
- 3 Year warranty

DM32

- 32 mic/line inputs, 16 line outputs
- 160x64 XCVI Core
- 3x 128ch I/O Port
- Redundant, hot swappable power supply
- 3 Year warranty



DM48

- 48 mic/line inputs, 24 line outputs
- 160x64 XCVI Core
- 3x 128ch I/O Port
- Redundant, hot swappable power supply
- 3 Year warranty

S5000

- 28 faders, 168 fader strips
- Dual 12" capacitive touchscreens
- 26 assignable SoftKeys
- 2x 128ch I/O Port
- Redundant, hot swappable power supply
- 3 Year warranty

dLIVE

SClass



DM64

- 64 mic/line inputs, 32 line outputs
- 160x64 XCVI Core
- 3x 128ch I/O Port
- Redundant, hot swappable power supply
- 3 Year warranty

S7000

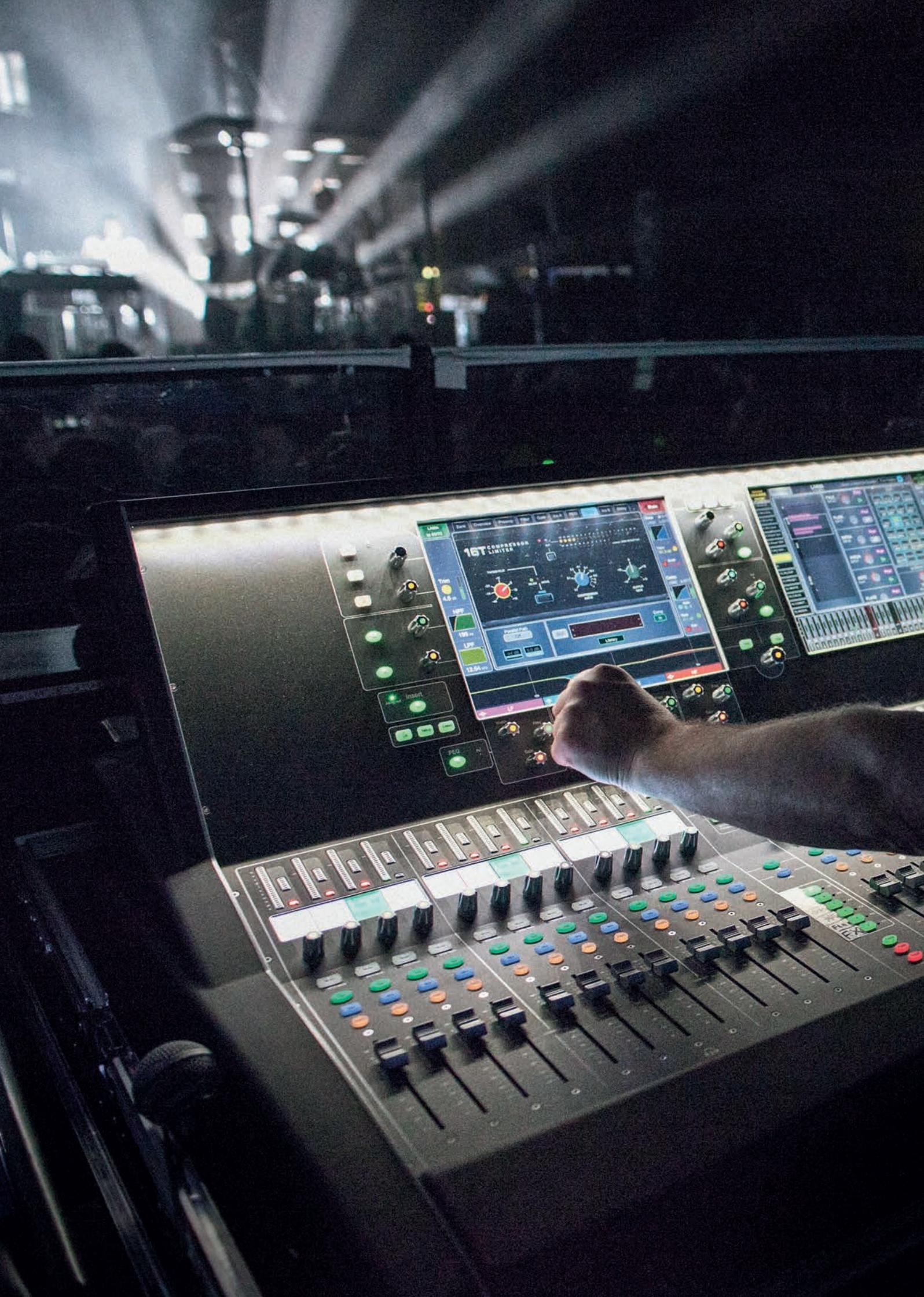
- 36 faders, 216 fader strips
- Dual 12" capacitive touchscreens
- 26 assignable SoftKeys
- 2x 128ch I/O Port
- Redundant, hot swappable power supply
- 3 Year warranty

DM0

The most compact dLive MixRack, DM0 is a mix engine for distributed audio scenarios, or for digital split applications such as Front of House and Monitors sharing the same inputs.

- Only 4U
- 160x64 XCVI Core
- 3x 128ch I/O Port
- Redundant power supply
- 3 Year warranty

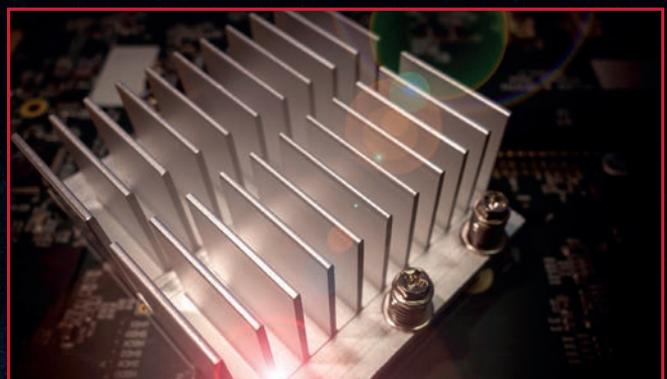






XCVI

The power of dLive emanates from the XCVI Core – pioneered by the Allen & Heath R&D team using next generation FPGA technology, with 36 parallel virtual processing cores generating enough power for 160×64 channels of processing at 96kHz sampling rate. Six parallel mixing engines within the Core calculate over 10,000 cross points per sample, while the FPGA router has capacity for 3,000 x 3,000 audio paths. The massive power of XCVI (25 billion operations per second) allows dLive to deliver 128 full processing inputs and 16 stereo FX returns, a configurable 64 bus architecture, variable bit depth for ultimate precision and noise performance, a virtually infinite mix headroom thanks to a 96bit accumulator, and class-leading latency at an ultra-low 0.7ms.



DEEP Processing

Our DEEP processing architecture embeds highly acclaimed processing emulations directly within dLive's input and mix channels with zero latency. An array of bespoke algorithms including graphic EQs, preamp and compressor models can be inserted on the fly without burning FX slots and without the setup, latency, phase coherency and licence hassles

associated with external plug-ins – they're right there, where you need them, whenever you need them. The models capture the nuances and non-linear characteristics of industry classics, ranging from opto compressors to dual-stage valve designs.



Dyn8

In addition to the array of channel-based processing choices, dLive offers Dyn8, a powerful and sophisticated processor boasting 4 bands of dynamic EQ and 4 bands of multiband compression. With endless applications including taming vocals,

mastering, tightening or gluing mixes, Dyn8 changes the way we think about dynamic processing. No less than 64 Dyn8 engines are available for inserting on Input and Mix channels.





ECHO



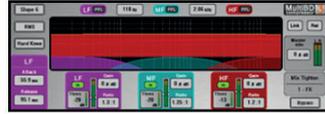
BUCKET BRIGADE



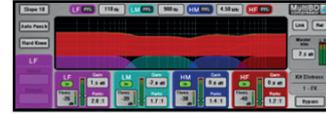
STEREO TAP DELAY



DYNAMIC EQ



MULTIBD3 MULTIBAND COMPRESSOR



MULTIBD4 MULTIBAND COMPRESSOR



TRANSIENT CONTROLLER



PITCHDOUBLER



VS1 VOCALSHIFT



ROTATOR



SMR LIVE



2 TAP DELAY



GATED VERB



ADT DOUBLER



CHORUS



ELECTRIC FLANGE



12 STAGE PHASER



SYMPHONIC CHORUS



HYPABASS



DE-ESSER



DIMENSION CHORUS

RackExtra FX

The RackExtra FX portfolio combines the pristine quality and wide choice offered by boutique plugins with the convenience and low latency of onboard processing. It's no secret that we have a passion bordering on obsession for crafting painstakingly faithful emulations of the most revered outboard

equipment. Each of the 16 FX slots has a dedicated stereo return and can access our proven library of reverb, delay and modulator algorithms.

Harmony User Interface

Where many digital consoles are still trying to recreate the experience of using an analogue mixer, dLive is a true digital native, drawing on our familiarity with the ubiquitous smartphones and tablets that we all use without thinking. The single or twin 12" capacitive touchscreens on the dLive Surface feel instantly familiar, responding to every pinch, swipe, drag and drop exactly how you'd expect them to. Bespoke 'widget' areas can also be set up on the screens to keep track of scenes, meters, FX and other custom controls.

The screen is complemented by a set of rotary controls, allowing the creativity and immediacy of tactile control over key processing functions, working in harmony with the visual feedback displayed on the screen. The high-grip rotary knobs offer precision control, and feature RGB illumination, with colours mapped to functions for instant visual orientation.



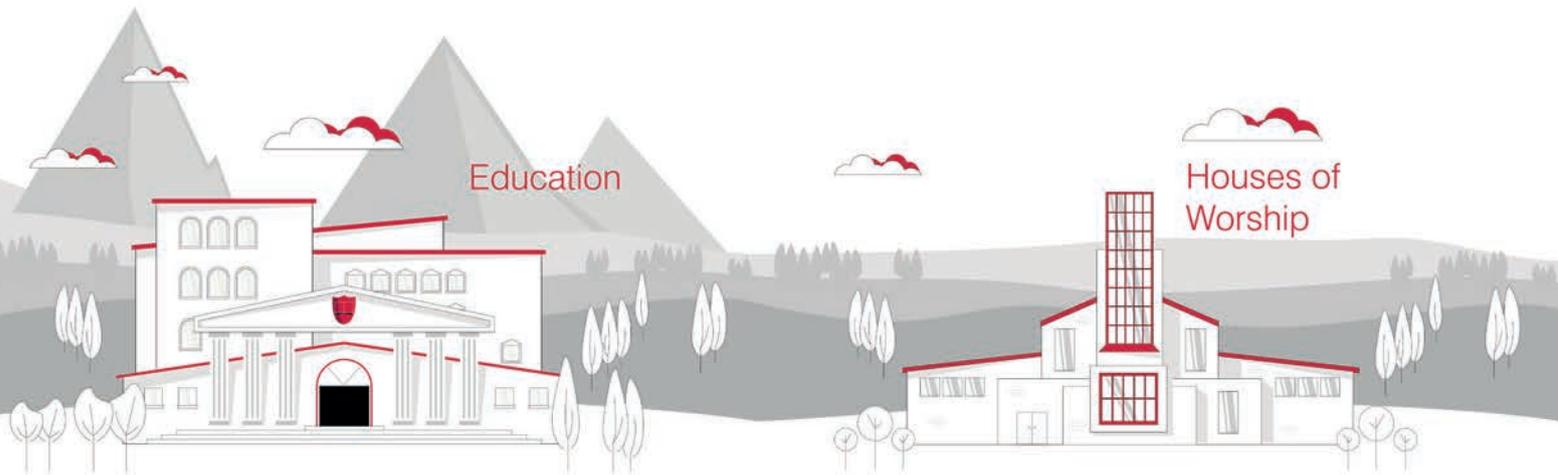
Transparent Workflow



The dLive layout is fully customisable, allowing the user to create a mixing interface that reflects their own mental map of the show, or for an installer to set up the surface to match the venue and the experience levels of the operators. Throughout the dLive journey our guiding aim has been to create fast and transparent workflows that allow the operator to focus on the mix,

not the mixer. Every input or mix can be assigned to any and every bank and / or layer, virtual scribble strips allow inputs and mixes to be clearly named and colour coded for at-a-glance navigation, and there are many assignable SoftKeys, plus 3 pages of assignable rotaries.

DLIVE FOR INSTALLATION



Distributed

dLive frees you to deploy audio wherever it's needed. The system is capable of providing dozens of audio points and hundreds of system inputs and outputs via a family of AudioRacks. These AudioRacks range from portable stageboxes to fixed format wall panels to fit a wide variety of applications. AudioRacks can be deployed in Star and Cascade topologies. Connections are Ethernet Layer 2, allowing up to 100m of CAT cable between each AudioRack, and can be converted to fibre optic.

Integrated

With up to five 128 channel I/O ports, support for all major industry standard protocols, GPIO interfaces and a comprehensive TCP/IP control protocol, dLive is the most integrated mixing system on the market. dLive is fully equipped to meet modern venues' demands for sophisticated audio networking and integration capabilities, including Dante integration, broadcast feeds, multitrack recording, fibre links, third party control and more.

Scalable

A dLive system can provide anything from 0 to 800+ total system inputs and outputs, with over half a million crosspoints. Add support for up to 96 remote controllers, and you can see why dLive is the solution for any venue; from single rooms to the largest and most demanding of spaces.

Accessible

A dLive system is designed around the user, not the technology. Configurable IP remote controllers give tailored access to essential elements such as volume control, music source selection or preset recall. Director software and iPad apps make it easy to access settings on the move. With an extensive set of user permissions for up to 10 user profiles, access can be restricted to protect critical settings and make life easier for non-technical operators.

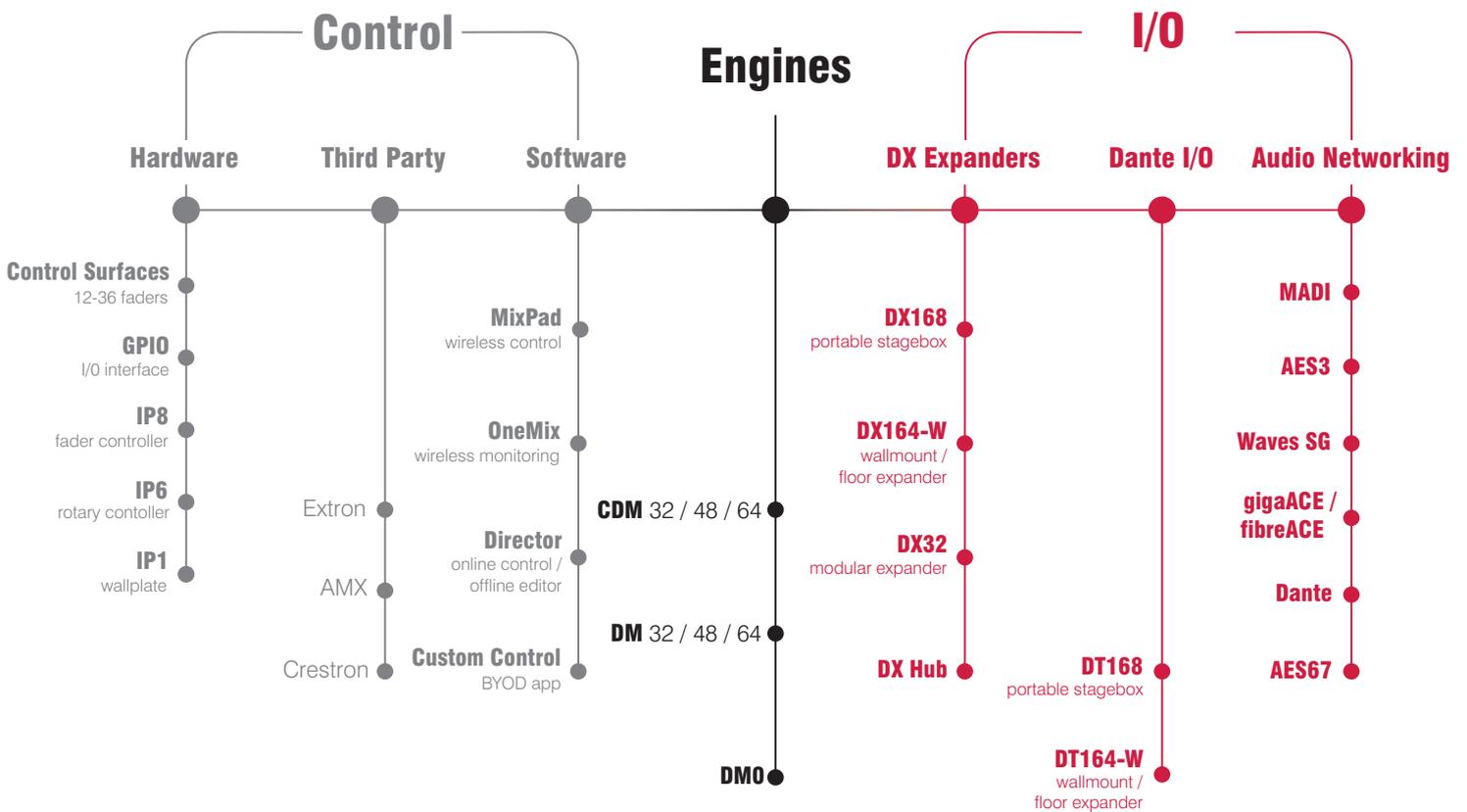
Versatile

dLive is uniquely capable of handling every aspect of a venue's audio world, from simple background audio or boardroom tasks to a full scale live music or theatre show.

Unrivalled

dLive is not just another sound management system. Built on our acclaimed XCVI 96kHz FPGA processing and boasting a system latency of <math><0.7\text{ms}</math>, dLive's audio quality has no equal in its class.

dLive is a distributed, integrated, scalable and accessible audio mixing solution, designed to meet the complex needs of today's multi-purpose venues. From education facilities and houses of worship to conference centres and visitor attractions, dLive provides the tools to manage every aspect of the audio life of these venues, becoming part of the fabric of the building.



Laptop & Tablet Control

dLIVE
Director



dLive Director is a multi-platform editor and control software for dLive, allowing you to configure the system offline, check and edit Show files from guest engineers, and control the mix live using a laptop or touch tablet.

dLive Director has a touch-friendly interface, with scalable fader banks to suit different resolutions from pro tablets to large touch screens / all-in-ones.

A Touchscreen view replicates every aspect of the dLive Surface GUI for instant familiarity.

Compatible with Mac and Windows OS (including Windows Surface Pro), dLive Director offers the same great experience across different devices.

Wireless Mixing From Your iPad

dLIVE
MixPad



dLive MixPad is an engineer's mixing tool providing wireless mobile control for the dLive digital mixing system.

It gives you the freedom to walk the room or stage and control the sound right where it's needed. dLive MixPad and the dLive Surface can work together

to provide simultaneous control of independent functions, for example one engineer using the Surface to mix front-of-house sound, and another using the iPad to mix monitors on stage. Several iPads can be connected, each providing independent control.



dLive Wings

Compact Touring Takes Off

For fly-dates, bus tours and support slots – wherever the scale of the 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. We've created some suggested systems below, but the sky's the limit – you decide which MixRack you need and what expansion and control to take with it.



The Aviator

The C1500 is everything you love about the dLive Surface in a slimmed-down format – pair it up with a modern, lightweight flightcase and the C1500 can weigh in at a mere 26kg. The DM32 is the smallest dLive S Class MixRack, with 32 XLR inputs and a trio of audio networking slots for Dante, Waves and more.

The Navigator

Take a dLive MixRack, an off-the-shelf mini-PC running dLive Director, plus a couple of touchscreens and you're cleared for takeoff. This slick system folds down for easy transport and storage, and adding in an IP-8 remote controller retains that tactile control for the key mixes.



The Frequent Flyer

The ultimate travel light / mix hard solution, dLive MixPad lets you run the show straight from your iPad. Add an IP-8 for the reassuring feel of faders on the key mixes.

Personal Mixing

dLive offers a choice of hardware and glass screen personal mixing solutions, all aimed at empowering the performers and taking pressure off the engineer.

dLive is fully compatible with our 40 channel ME-1 and 16 channel ME-500 personal mixers. ME-1's 16 rubber keys can be assigned to a single source or Group from the dLive system, with all the convenience of pressing a single button no matter what you want to control – the main vocal mic, a stereo pair or the whole drumkit. ME-500 provides simplified setup and control, making it a cost-effective alternative for festivals and other time-pressured scenarios.

dLive OneMix is a personal mixing app for dLive, allowing performers to take control of their own monitor mixes from their iPads. Multiple iPads may be set up by the Admin user to give each musician customised personal monitor control via Wi-Fi connection to dLive without the risk of affecting the other monitors or front of house mix. dLive OneMix can be configured to provide as much or as little control as needed.

dLive also has a unique solution for personal mixing for IEMS in the shape of the IP6 remote controller, which can be set up to control the Send levels, Pans and assignments of multiple channels to a specific dLive mix.



Remote Controllers

The IP series of next generation remote controllers are ideal for many install applications and greatly enhance the dLive system's flexibility in live sound. They interface with the dLive mixing system via standard TCP/IP Network connections and can be networked with other controllers, computers and third party devices using a standard Ethernet infrastructure. Controls and functions are programmed using a dLive Surface or dLive Director software for PC/Mac.



IP1

IP1 is a simple yet powerful programmable wallplate, giving the non-technical user convenient, easy control.

- Music source selection, level control, or preset recall
- Push 'n' turn rotary + LCD display
- TCP/IP, PoE compliant
- Up to 16 + 16 on a dLive system
- US (Decora) or EU/UK (Honeywell/MK) variants, black or white



IP6

IP6 is perfect for giving inexperienced operators safe, simple control over an installed dLive system.

- 6 Push 'n' Turn Rotary encoders
- 6x Layers
- PoE or external 12V PSU (supplied)
- Optional mic stand bracket available (AB8999)
- Optional headphone holder (AB8705)



IP8

With its 8 motorised faders, IP8 provides additional hands-on control e.g. as a sidecar to a dLive surface, or in a surfaceless mixing system. It's also another great option for simplified control in an installation, such as controlling mics and music sources in a room.

- 8 Motorised faders
- 6x Layers
- PoE+ or external 12V PSU (supplied)
- Use freestanding or mount in a plinth, podium or furniture

Audio Networking Hub

dLive is a networking hub, scaling up to hundreds of system inputs and outputs and catering for all major audio networking protocols and technologies. Each I/O Port provides 128 inputs and 128 outputs, all independently assigned. The tieline function allows any input to be routed to any output offering true system matrix capability, with seamless format and sample rate conversion, and without impacting on channel count or mix resources.



dLive S Class MixRack



dLive S Class Surface



dLive C Class MixRack



dLive C Class Surface

Option Cards



fibreACE

A fibre optic solution for large scale events and long cable runs up to 500m.

- 128 I/O, 96kHz
- Dual redundancy
- Converter mode enables fibre optic link between Surface and MixRack
- Switchable Control Network Bridge



gigaACE

A cost-effective and plug 'n play solution for digital splits, point-to-point connections and multi-surface systems.

- 128 I/O, 96kHz
- Ultra-low transport latency – 5 samples (52 us)
- Dual redundancy
- Switchable Control Network Bridge



superMADI

A swiss-army knife of broadcast connectivity. Multiformal to address requirements of broadcast/recording feeds + OB Vans.

- 128 I/O on coaxial BNC
- Up to 128 I/O on multimode/single mode SFP modules
- Switchable 48/96kHz sample rate and redundancy per link pair
- Choice of Smux or HighSpeed 96kHz mode



Waves V3

An interface to the Waves SoundGrid networking platform, for plugin processing, multitrack recording and audio distribution.

- 128 I/O
- Switchable 48/96kHz sample rate
- Waves SG networking
- Multitrack recording and playback



AES3

- Choice of 4in / 6out, 0in / 10out, 6in / 4out and 2in / 8out versions
- Switchable sample rate (96kHz, 88.2kHz, 48kHz and 44.1kHz)
- Input SRC 32kHz to 192kHz
- Option to sync from first AES input



Dante

Designed to help integrate dLive into a wide range of live, install and broadcast scenarios, the Dante 64x64 and Dante 128x128 audio networking cards offer low latency, high channel count connectivity to Dante networks and devices using standard networking cabling and hardware.



- 128 or 64 bidirectional channels of Dante I/O at 96kHz or 48kHz
- Primary and Secondary audio ports for redundancy or switched operation
- Dedicated Control Network port for configuration
- AES67 compatible
- Dante Domain Manager (DDM) ready

Features

System

Distributed system with separate MixRack and Surface
DX & DT expansion racks for flexible I/O
DEEP processing – powerful embedded plugins
Up to 5 audio networking ports, 128 I/O each
Compatible with ME personal mixing system

dLive MixRacks

Choice of 7 models from 0 to 64 mic preamps

- XCVI 160x64 FPGA core
- 96kHz sample rate
- Variable bit-depth for ultimate precision and noise performance
- Virtually infinite mix headroom thanks to 96bit accumulator
- Class leading, ultra-low latency < 0.7ms
- 128 Input Channels with full processing
- 64 Mix Outputs with full processing
- Configurable 64 bus architecture (group, FX, aux, matrix, mains) LR, LCR and up to 5.1 mains mode
- 16 RackFX with dedicated stereo returns
- 64 Dyn8 dynamic EQ and multiband compression engines
- Active pad preamp design for extra transparency
- Dual redundant audio connections throughout (S Class)
- Redundant hot swappable power supplies (S Class)

dLive Surfaces

Choice of 6 models, from 12 to 36 faders

- Fully assignable layout – up to 216 fader strips
- Harmony UI integrates screen and wrap-around controls
- Single or twin 12" capacitive touchscreen
- Gesture control – pinch, swipe, drag 'n drop
- Configurable widget areas for Scenes, meters, FX and more
- 3 pages of 6 assignable rotaries
- Assignable SoftKeys (19 on C Class, 26 on S Class)
- Comprehensive multipoint metering
- Up to 4 surfaces controlled at once

Control

- Networked wired or wireless control
- PC/Mac Director Software for online control / offline editing
- dLive MixPad and OneMix apps
- IP range of PoE remote controllers
- TCP/IP protocol for third party integration and show automation
- Extensive User Permissions and Profiles
- Comprehensive Scene management with Cue List, multiple Scene Update, Crossfades, Recall Filters, Embedded Recalls, Auto Store, Recall Undo
- Customisable Control App and Editor

Expanders

DX168

The DX168 is a rugged stagebox format expander for adding remote I/O to a dLive system. Weighing in at just 4.8kg and featuring a sturdy carry handle and rubber bumpers, DX168 offers the portability and convenience needed in rental, education, houses of worship and many other environments.

- 16 dLive mic preamps, 4 line outputs
- Cascade mode allows daisy-chaining of 2 DX168 Expanders for additional I/O
- Redundant DX connection to dLive S Class hardware
- Optional 19-inch rack mount kit available
- Connects to DX Ports, DX Link card or DX Hub



DX32

The DX32 Expander adds remote, modular I/O to a dLive system. It provides 4x 8 channel slots to fit a selection of analogue or digital I/O. Multiple Expanders can be connected to the MixRack, and a further DX32 can be connected to a dLive system.

- 4x 8ch modular design
- Redundant, hot swappable power supply
- Dual redundant Cat5 link to Surface or MixRack
- Rack-mounted or shelf / floor operation
- 3 Year warranty

DX164-W

The DX164-W is a wall box format expander for adding remote I/O in fixed installations.

- 16 dLive mic preamps, 4 line outputs
- Cascade or redundant mode
- Connects to DX Ports, DX Link card or DX Hub



DT168 & DT164-W

The DT168 Dante I/O expander is ideal for portable applications thanks to its rubber bumpers and handle. It can be deployed on stage or used as a drop-in expander in any dLive Dante network.

- Dante audio expander, 96kHz / 48kHz
- Portable stagebox design
- 16 mic preamps on XLR with Phantom Power status LEDs
- 8 XLR Line Outs

DT164-W is a versatile wall-mount Dante I/O expander for permanent installation. The unit can be mounted in-wall or on-wall, or in a floor pocket for stage use.

- Dante audio expander, 96kHz / 48kHz
- Wall mount or dip trap installation
- 16 mic preamps on XLR with Phantom Power status LEDs
- 4 XLR Line Outs





The image shows a close-up, angled view of the Allen & Heath DLIVE C3500 digital mixing console. The control surface is black with various controls including faders, buttons, and rotary knobs. A prominent feature is a large, multi-colored touch-sensitive area with red, blue, yellow, and purple sections. Several silver, cylindrical rotary knobs are visible in the foreground, some in sharp focus and others blurred. The background shows a rack of modules with labels like 'SNR', 'TOM', 'FLOCK', 'CHIRP', 'SERIAL', and 'ENV'. The overall lighting is dramatic, highlighting the textures and colors of the console.

DLIVE
C3500

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