

cadac

LIVE1

COMPACT LIVE CONSOLE



IT'S ALL ABOUT **THE MUSIC**

LIVE1

COMPACT LIVE CONSOLE

The S-Type is Cadac's answer to market requests for a compact, flexible and cost-effective mixing console – ideally suited to the requirements of the PA rental companies, smaller repertory theatres, and for the corporate events and industrials sector. It offers a high quality specification contained within a compact, economical footprint, and is available as 17, 25, 33 or 41-way frames.

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COMPACT LIVE CONSOLE

LIVE1, is the first Cadac compact console design. A fully specified console, featuring the company's renowned heritage analogue engineering, within a lightweight, affordable design. Available in 16, 24 and 32 channel frame sizes.

LIVE1 exploits modern design and manufacturing techniques to deliver a compact console series of previously unachievable quality and performance. At a price point that makes a Cadac console available to new markets and new types of application.



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LIVE1 offers the famous Cadac sound and engineering, once reserved for top musical theatre and touring productions. A new microphone preamplifier design, with the latest engineering and component technologies, puts the audio performance of the LIVE1 on a par with that of legendary full-scale Cadac consoles without regard to the massive difference in cost. A field proven, proprietary Cadac 4-band EQ, with two swept mid sections, delivers the characteristic responsive and musical articulation that is the Cadac sound.

LIVE1 brings Cadac performance to bands, small clubs, theatres, audio hire companies, touring and event productions, A/V presentations, and Houses of Worship. It

also offers unprecedented levels of quality and flexibility at its price point in monitor mixing, sub-mixing, location and project recording applications. LIVE1 is an ideal analogue front end for DAWs. The three LIVE1 models differ only in the number of inputs; the 1642 has 8 mic and 4 stereo channels, the 2442 16 mic and 4 stereo channels, the 3242 24 mic and 4 stereo channels. LIVE1 1642 is rack mountable, using the optional 19" rack adaptors, giving a massive specification in a compact unit for optimum flexibility, portability, durability and sound quality.



The Channels

Using a new, high performance, microphone Pre-amp circuit, the quality of the mic input is unrivalled in its class. With full adjustment from 0 to 60dB.

80Hz Hi-Pass filter with 12dB/octave slope.

The Cadac 4-band EQ utilised in the LIVE1 is derived from the EQ used on all the larger Cadac consoles. Giving up to 18dB of cut/boost to all frequencies, with two swept mid sections on the mono channels and 4 fixed bands on the stereo channels. All channels feature an EQ-in switch to enable bypassing of the EQ section if required.

There are six auxiliary sends, configurable either pre or post fade in pairs from the pre/post switches in the master section.

Pan control and routing is fully selectable to all subgroups and/or the master output.

Channel monitoring is available using the PFL button which is configurable either PFL or AFL available from the mode selection in the master section.

Every channel comes complete with channel mutes, signal level LEDs including overload and 100mm high quality long-throw faders.

The Master Section

Metering can be switched to monitor either the Groups/stereo returns or the aux send levels.

The LIVE1 features six mono auxiliary returns and two stereo returns. The mono aux returns each come with level controls, as well as routing to aux5 and aux6 (RTN 1-4), enabling effects to be added to a foldback mix.

The stereo returns have dedicated 100mm faders, balance controls, PFL and mute switching, with routing to aux5 and aux6, when required.

There are four, fully featured, subgroups each with 100mm faders, pan controls, PFL and mutes.

Talkback is available, via a dedicated XLR socket with 48V phantom power. There is press to talk routing to all auxiliaries, subgroups or the L-R master output.

Twin output meters for monitoring the AFL/PFL signal levels. Switchable AFL/PFL mode selector, AFL level is independently adjustable.

PRE/POST auxiliary selection is controlled globally from this section. A one button press option for each pair of the six auxiliary sends.

LINE IN control allows level adjustment of the LINE INPUT on the rear panel. Routed directly to the L-R master it is ideal for connecting an audio source for pre-show music, and other playback material without using up a valuable stereo or mono inputs.

Control and monitoring of the Master output on the LIVE1 is provided via a high quality stereo 100mm fader, mono summing selection, PFL/Mute selection and dedicated 10 segment bargraph metering.





REAR PANEL

The comprehensive array of connections on the LIVE1, features mic, line inputs and direct outputs on every microphone channel. Master output connectors on balanced XLR sockets and 3-pin XLR gooseneck lamp connectors. All XLR and 1/4" JACK sockets are high quality/high durability types.

The LIVE1 16 channel features an internal power supply.

The LIVE1 24 and 32 models come complete with a durable external 2U switch-mode power supply.

All models will operate with incredibly low noise levels on all worldwide voltages.



PS1 - Durable external power supply

FEATURES

	Live1 1642	Live1 2442	Live1 3242	Connector Type
Inputs (total)				
Mono inputs with inserts (Mic)	27	35	43	
Stereo inputs (line)	8	16	24	3 pin female XLR
Stereo effects return (line)	4	4	4	1/4inch jack socket
Mono aux return (line)	2	2	2	1/4inch jack socket
Talkback mic	6	6	6	1/4inch jack socket
	1	1	1	3 pin female XLR
Busses (total)				
Subgroups	15	15	15	
Aux Pre Fader (Monitor)	4	4	4	
Aux Post Fader (Effects)	6	6	6	
Aux switchable Pre/Post fader	6	6	6	
Master LR	6	6	6	
PFL (mono)	2	2	2	
AFL (stereo)	1	1	1	
	2	2	2	
Outputs				
Subgroups with inserts	4	4	4	1/4inch jack socket
Aux outputs	6	6	6	1/4inch jack socket
Master output with inserts	2	2	2	3 pin male XLR
Monitor out	2	2	2	1/4inch jack socket
Direct Output	8	16	24	1/4inch jack socket
Stereo Headphones	1	1	1	1/4inch jack socket
Additional Features				
Desk lamp output (12V/5W)	2	2	2	1/4inch jack socket
19" Rack mount option	yes	no	no	

A WORD FROM DESIGNER...

“ Our main aim while designing the Live1 was to bring the world renowned Cadac audio quality to much wider audience and at a lower cost.

To this aim we have designed a new mic amp stage and designed a “cut down” version of the classic Cadac EQ circuit.

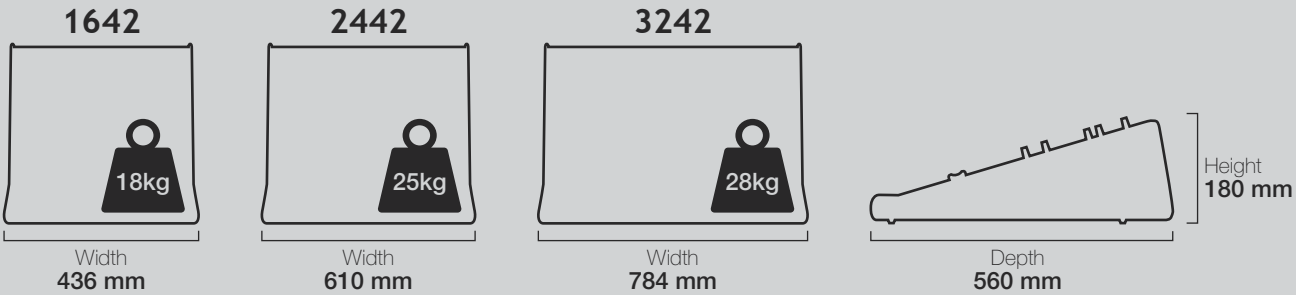
We also paid special attention to the mix busses to make sure that we achieved the lowest level of noise and distortion possible at this price point.

I think the results speak for themselves and that we have exceeded our own expectations.

”

Nick Fletcher
Senior Engineer Manager

DIMENSIONS & WEIGHTS



SPECIFICATION

LIVE1 ALL MODELS

Channels	1642 (8 mono 4 stereo), 2442 (16 mono 4 stereo), 3242 (24 mono 4 stereo)
Auxiliaries	6 mono (Switchable pre post fade in pairs)
Sub groups	4
Stereo effects returns	4 (2 stereo)
Mono effects returns	6 balanced jack
Input impedance	15k Ohm electronically balanced
Output impedance	50 Ohm (balanced outputs)
Nominal input level	0dBu
Max. input level	+21dBu (balanced) + 10dBu (unbalanced)
Max. output level	+21dBu
CMRR	better than or equal to -50dBu (20 Hz to 20 kHz)
Signal to noise	-89dB at unity gain
Dynamic range	110dB, 20Hz to 20kHz unweighted
THD+N	less than 0.02% (20Hz to 20 kHz)
THD	less than 0.005% (20Hz to 20 kHz)
Frequency response	20Hz to 60kHz \pm 0.5dB
Crosstalk	better than or equal to -80dBu (20Hz to 20 kHz)
Phase response	+5° at 20Hz
Power Supply	LIVE1 1642 – Internal Power Supply 100-240V operation LIVE1 2442/3242 – External Power Supply 100-240V operation 2U 19" rack mounting

The information on the products contained within is correct at the time of printing. We would recommend that you check our website, www.cadac-sound.com for any updates not contained in this publication.

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cadac 
Cadac Holdings Limited

One New Street
Luton
Bedfordshire
LU1 5DX England
Telephone: +44 (0)1582 404202
Facsimile: +44 (0)1582 412799
Email: info@cadac-sound.com

www.cadac-sound.com