

cadac 

S type
COMPACT MODULAR LIVE CONSOLES



IT'S ALL ABOUT **THE MUSIC**

S type

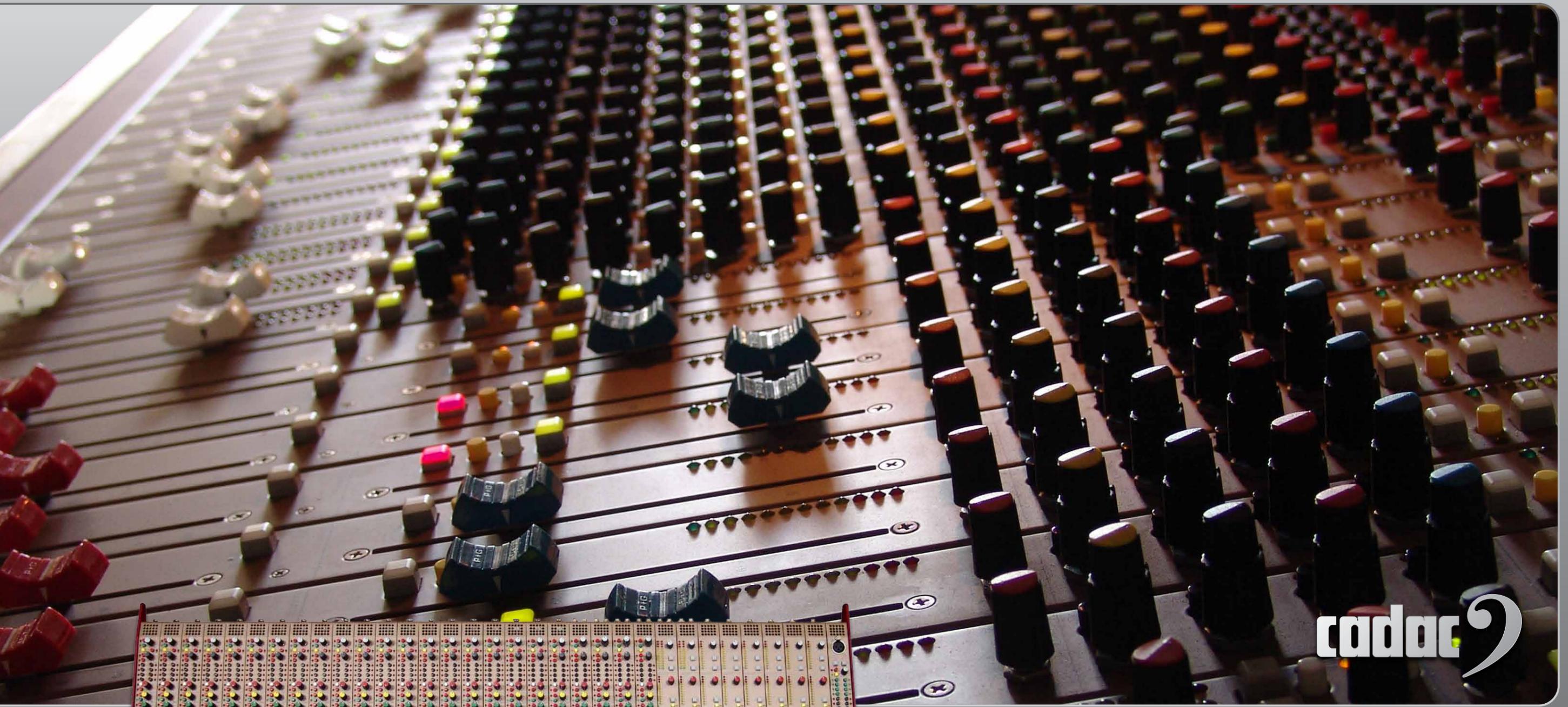
COMPACT MODULAR LIVE CONSOLES

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 installation sector. It offers a high quality specification contained within a compact, economical footprint, and is available as 17, 25 or 33-way frames.

The Cadac S-Type sits alongside a comprehensive line-up of high performance mixers, representing the company's 40+ years of console design – of which more than twenty have involved a dedicated focus on the live sound reinforcement market.

cadac 





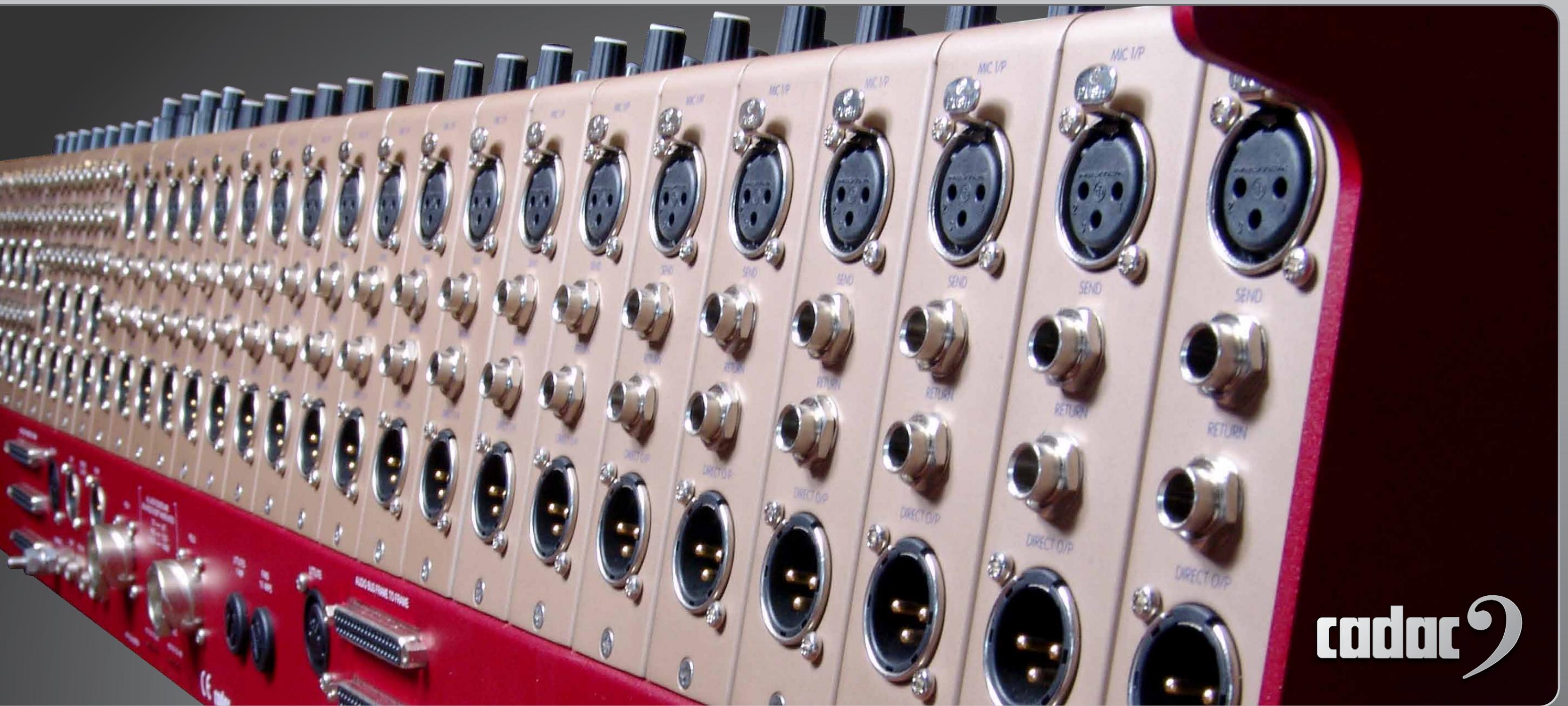
cadac 



S type
COMPACT MODULAR LIVE CONSOLES

The Cadac name epitomises a blend of innovative electronic design and excellence of audio quality, supported by reliable performance and service simplicity in the great British tradition.

S-Type consoles are built to endure, using the highest quality components, complemented by innovative electronic and mechanical designs.



cadac

S type

COMPACT MODULAR LIVE CONSOLES

CONSOLE FEATURES

- Small, compact, cost-effective design
- Cadac audio quality and build at an economical price
- Ideally suited to corporate and industrial events, venues, repertory theatre and PA rental
- Realign totally configuration, with Cadac's unique design to slot any module in any position
- Three frame sizes – 17-way, 25-way and 33-way
- Expandable and linkable via optional bus connector



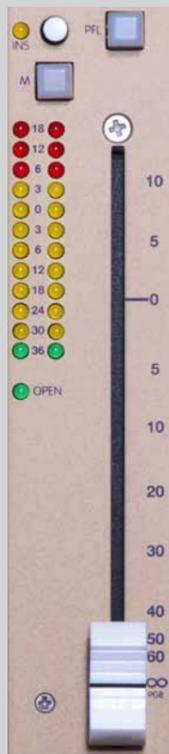
High Quality Microphone Amplifier

The S-Type's microphone amplifier provides 60dB of gain and a 20dB pad for line level inputs, phase reversal and 48V Phantom power.



Sub Groups and Panning

A variety of input channel options, plus enhanced sub group routing with a selectable and dedicated stereo bus, including the ability to pan the signal across this bus.



Full Range metering

The input gain level is displayed on a 12-segment LED meter mounted adjacent to the channel fader.

Placed in the visible sightline, and combined with the 100mm P+G fader, instant feedback and control is available to the operator.



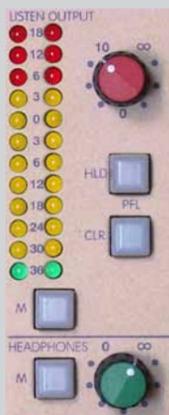
EQ and VCA Group Assignment

Assignment versatility across all functions.

The EQ can be bypassed or switched in to the signal path as required, and can also be selected to be PRE insert.

In addition, the S-Type is fitted with a fixed frequency high pass filter.

The S-Type's flexible assignment facilities enable every input channel to be assigned to one or more DC (VCA) Master Group fader(s) as required. The VCA masters can also be configured as Mute Groups.



Listen & PFL

The S-Type offers extended listen facilities. Monitoring can be through a powered loudspeaker or headphones, each with its own level control for comfortable listening. Alternatively, it can be purely through visual indication on the dual-channel LED meter.

The PFL monitoring can be additive with the application of the HOLD key. When this is active, the required channel PFLs are manually selected and the signals are summed to the Listen Output. A single press on the CLR key clears the selection.



Direct Output

Variable facilities to maximise mix flexibility.

Both mono and stereo input channels feature a variable level direct output – providing a post fader signal such as required for a multi-track recording.



Auxiliary Sends – 6 mono and 2 stereo

6 mono and 2 stereo Aux Sends reflect live performance demands for foldback and monitoring.

Sends 1 & 2 are dedicated stereo aux, with both level and pan control.

To aid the foldback allocation, all sends are individually selectable and each can be selected PRE fader.



Mono and Stereo Auxiliary Outputs

Project fine-tuning with variety of output channel options.

Both mono and stereo Aux Outputs Masters are available, and can be combined to a maximum of 6 mono Aux Master modules and 2 stereo Aux Master modules per console.

Each Aux Master has its own full metering, providing at a glance the state of all output levels, plus Output Level control; MUTE and PFL selections.



Matrix Output with 8 Matrix Sends

Comprehensively specified at every level.

The Matrix Output features variable output level control with full range metering. In addition to the individual PFL and MUTE selection, a switchable INSERT is provided.

The Sub Group outputs can be re-mixed to the 8 matrix outputs, using the 4 dual concentric level send pots. Additionally, the Stereo Master output can be re-mixed to all matrix outputs as L-R pairs or summed mono.

Each matrix send has an ON switch to ensure that only the routing required is sent to the outputs.



Stereo Masters

Stereo control with flexible options.

In addition to the groups, the S-Type features a dedicated Stereo Master with its own fader.

To provide even more flexibility, the stereo output can also be re-routed to the matrix outputs - either as a stereo pair or as a summed mono signal. This send can be selected pre-fader if required.

REAR PANEL

Balanced XLR type connectors are standard for all inputs and outputs. Balanced TRS 1/4" jack sockets are used for insert sends and returns, plus the inputs on the stereo channel.

An unbalanced TRS 1/4" jack socket is used for the external stereo input on the Stereo Master/Talkback/Oscillator/Comms module.



POWER SUPPLIES

Each S-Type console requires an S-Type external power supply unit.

The 2U power supplies are suitable for rack-mounting or flight cases, and are connected via a shielded multicore cable with 6 pole military circular bayonet connectors at each end. Each console may be powered from two independent power supply systems, operating simultaneously for continuous redundant operation.



S-Type External Power Supply Unit

The S-Type's specification includes the same high quality mic input and a 4 band fully parametric EQ that were originally designed for the J-Type Live Production Console, providing an unequalled level of performance compared with competitive console designs.

S-TYPE CONSOLE FEATURES

- Stereo Input channel with line inputs
- a fully balanced Direct Output with level control
- 8 switchable POST and PRE fade auxiliary
- sends – two of which are stereo
- 10 x 8 Output Matrix
- inserts on inputs, sub groups and matrix
- fully assignable DC (VCA) masters
- comprehensive metering, with full range LED meters on inputs and outputs.
- full-size 100mm Penny & Giles faders

FRAME

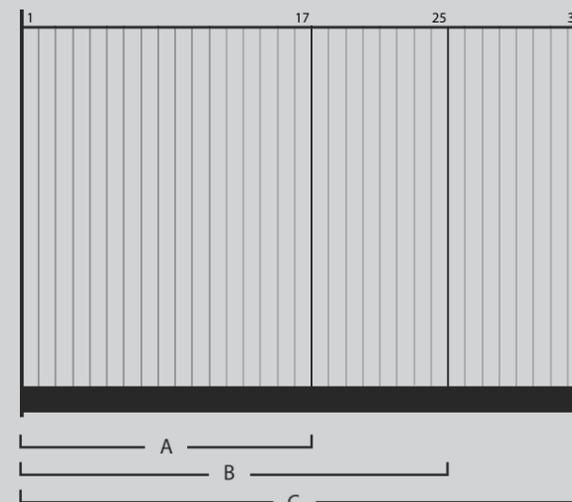
Flexibility is central to the S-Type's design. Multiple frames are linkable to make a larger format console quickly and easily, via optional bus connectors. As with all standard Cadac console designs, users can mix and match the S-Type's modules, moving them in the frame to suit a given requirement and giving complete configuration control.

The S-Type is constructed from 1.6 mm Zintec, fixed to 4mm aluminium end profiles. This allows multiple frames to be positioned, so that modules are almost adjacent. Internal audio bussing is balanced and uses ribbon cables. All power bussing is also routed via ribbon cables. Frame-mounted inputs include diode-mixed power inlets, earth points, a headphone jack, bus expansion

connectors, main stereo outputs XLRs, main stereo insert point jacks and Littlite XLRs. The frame also incorporates multiple cooling fans.

The three sizes of frame available comprise 17, 25 and 33 module positions. These allow for the standard configurations of 8, 16, 24 or 32 input channels, 8 output groups and a Stereo Master/Talkback/Oscillator/Comms module. Alternatively, any combination of modules can be fitted. The only limits are a maximum of 8 output groups and 1 Oscillator/Comms module in a system. A system can comprise multiple frames. Each module may be located into any position within the console frame to accommodate for personal preferences in layout.

TYPICAL FRAME CONFIGURATION



Width A = 17-slot 608mm Width B = 25-slot 890mm
Width C = 33-slot 1172mm

	MIC	LINE	GROUP	VCA	MATRIX	ST
S-TYPE 17	8	4	4	4	4	L/R
S-TYPE 25	12	4	8	8	8	L/R
S-TYPE 33	20	4	8	8	8	L/R

WEIGHTS

	Net	Gross
S-TYPE 17	42kg	63kg
S-TYPE 25	49kg	95kg
S-TYPE 33	55kg	125kg

TRANSPORTATION

Flight cases are available for the S-Type consoles.

- S-TYPE 17** 1000x700x350mm
- S-TYPE 25** 1000x980x350mm
- S-TYPE 33** 1000x1262x350mm



SPECIFICATION **S-TYPE ALL MODELS**

Channels	17-33 maximum
Auxiliaries	6 mono 2 stereo
Sub groups	8
Matrix outputs	8
DC masters	8
Input impedance	
Microphone	1k2 ohms
Line	10k ohms
Nominal input level	0dBu
Max. input level	+24dBu (balanced) + 10dBu (unbalanced)
Max. output level	+22dBu
CMRR	-65dBu (20Hz - 20kHz)
Signal to noise	-105dBu at unity gain
Dynamic range	119dB, 20Hz to 20kHz unweighted
THD	0.005% (20Hz to 20 kHz)
Frequency response	10Hz to 70 kHz (+0, -3dBu) - input to output
Crosstalk	-85dBu (20Hz to 20 kHz)
Phase response	+5° at 20Hz

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.

All rights reserved. The manufacturer reserves the right to vary specifications, features and appearance including colours with or without notice and at such times in such manner as they see fit.

©CADAC HOLDINGS LIMITED 2011



ISO 9001
REGISTERED FIRM

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