



LIVE BROADCAST CONSOLE

B-TYPE

cadac
SOUND EVOLUTION

THE CADAC B-TYPE

TRIED AND TESTED

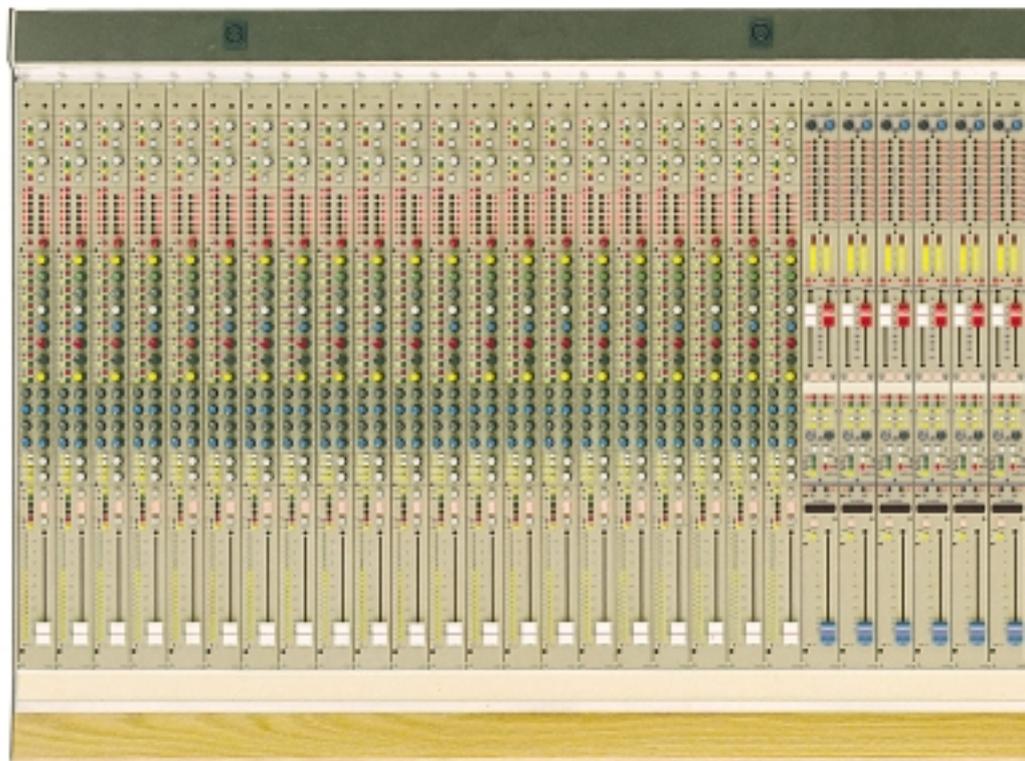
CADAC consoles have an impressive track record when it comes to delivering faultless performances night after night, year after year, on almost every imaginable type of production. International musicals, the world's most prestigious theatres and opera houses, major awards ceremonies - for critical applications where quality is paramount, the CADAC name is synonymous with top quality audio within a rugged, reliable package.

The introduction of the B-Type Live Broadcast Console is CADAC's first dedicated desk for live studio applications. It was designed in response to the broadcast industry's requirement for a more versatile, higher quality console that could provide an integrated solution - taking up a smaller footprint whilst offering a much more powerful matrix and flexible output options. It provides crucial information at a glance - switches are illuminated for clarity in low light conditions, assignable VCA masters are labelled with assignable alpha-numeric displays and modules can be put in any position in the frame to suit the operator's requirements.

The B-Type is designed to meet the needs of modern live broadcast programming - offering modularity with easy upgradeability, protecting your investment for the future. All without compromising the renowned CADAC reputation for audio quality, reliability and enduring performance.

The frame, built of custom aluminium extrusions, contributes to the B-Type's combination of strength and flexibility, without paying the penalty of excessive weight. Cadac's use of multiple user-configured frames for

Rear XLRs and jacks are hand-wired to avoid the stresses caused by direct mounting to PCBs. The modules use plug-in daughter boards for all active electronics, permitting rapid repairs should they be



larger consoles offers a versatile approach, allowing production and broadcast companies to tailor each desk to the specification and budget of each new job. In addition, the B-Type features a small footprint (just 820mm/32.3" front to back), for installations where space is at a premium.

The proven module design ensures that electronics are protected from the rigours of live productions, with steel cradles used to locate modules exactly whilst allowing a degree of movement for the bus connectors.

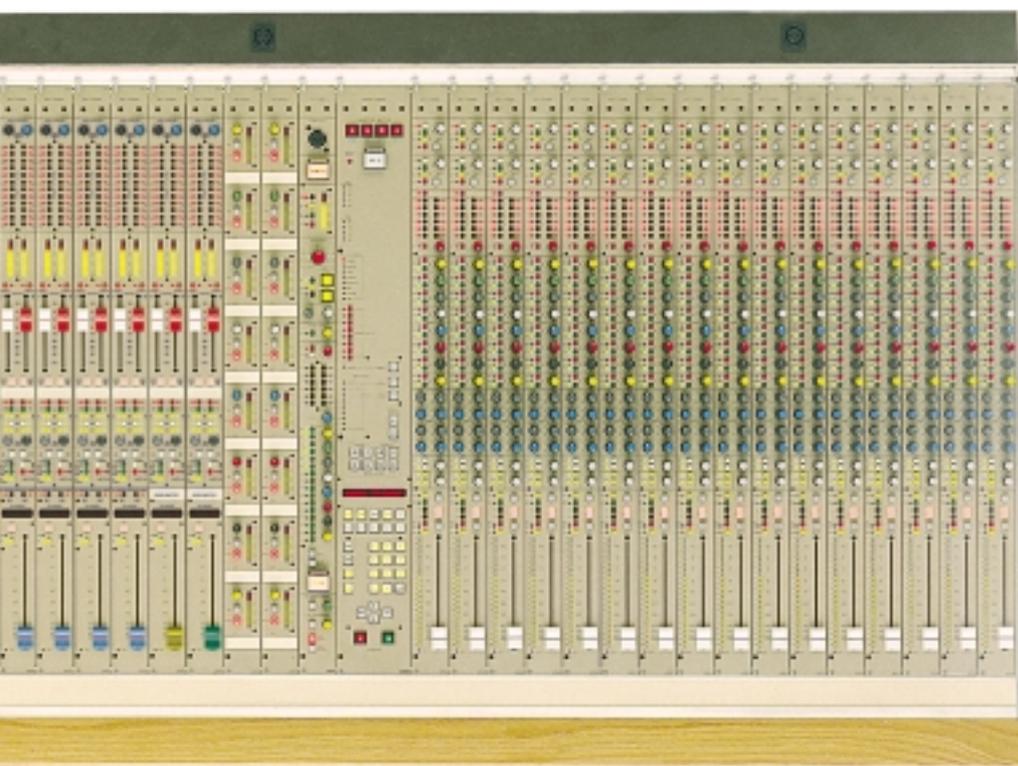
necessary, and the daughter boards can be hot-plugged into the console.

Sophisticated automation has been integral to the Cadac concept since 1986, when the company created its first central assignment desk. The B-Type can operate with the CADAC Sound Automation Manager (SAM) software for Windows® offering a comprehensive level of automation. Module options cater for totally manual operation through to Cadac's motor fader system with comprehensive internal and external control facilities.

E LIVE BROADCAST CONSOLE

STUDIO EXCELLENCE

The Cadac marque has always enjoyed a reputation for excellence in theatre circles. With the arrival of the B-Type, a wider audience can now realise the value of Cadac engineering and quality. The B-Type's size takes



into account the fine balance between studio space for a front of house mixing position, or the need to fit into a compact control room.

It provides a range of options which ensure that quality is not compromised by budgetary considerations, including the user's choice of frame size plus mix of modules and facilities.

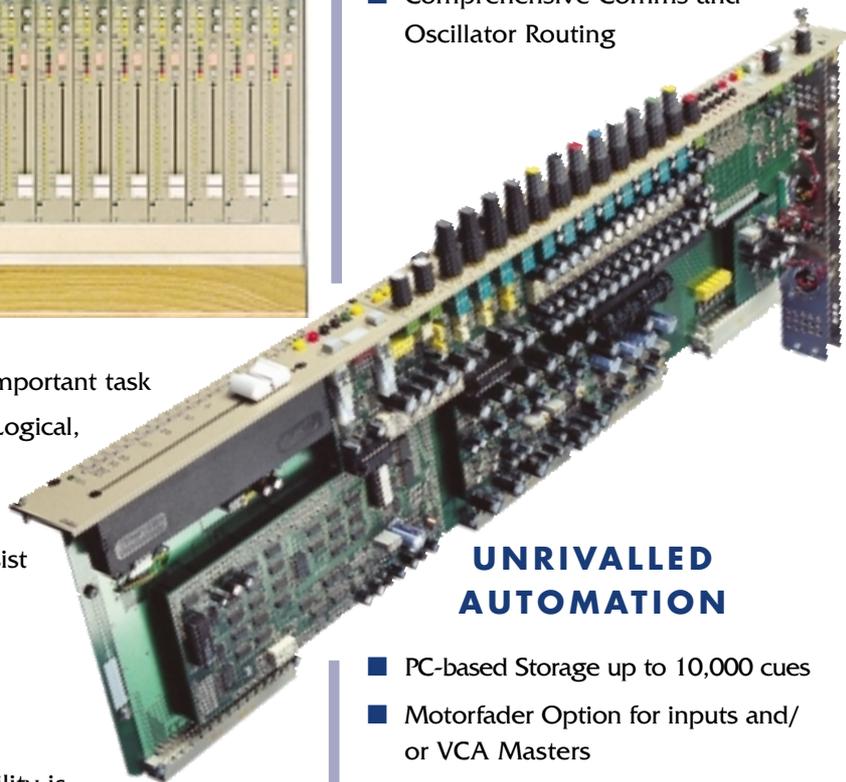
The B-Type's control layout complements the creative process, leaving the operator free to concentrate

on the all-important task of mixing. Logical, intuitive, illuminated controls assist the job of responding quickly.

Stage visibility is excellent, thanks to the B-Type's low profile - achieved by the removal of a meter bridge and the location of all meters within each module.

UNMATCHED AUDIO FACILITIES

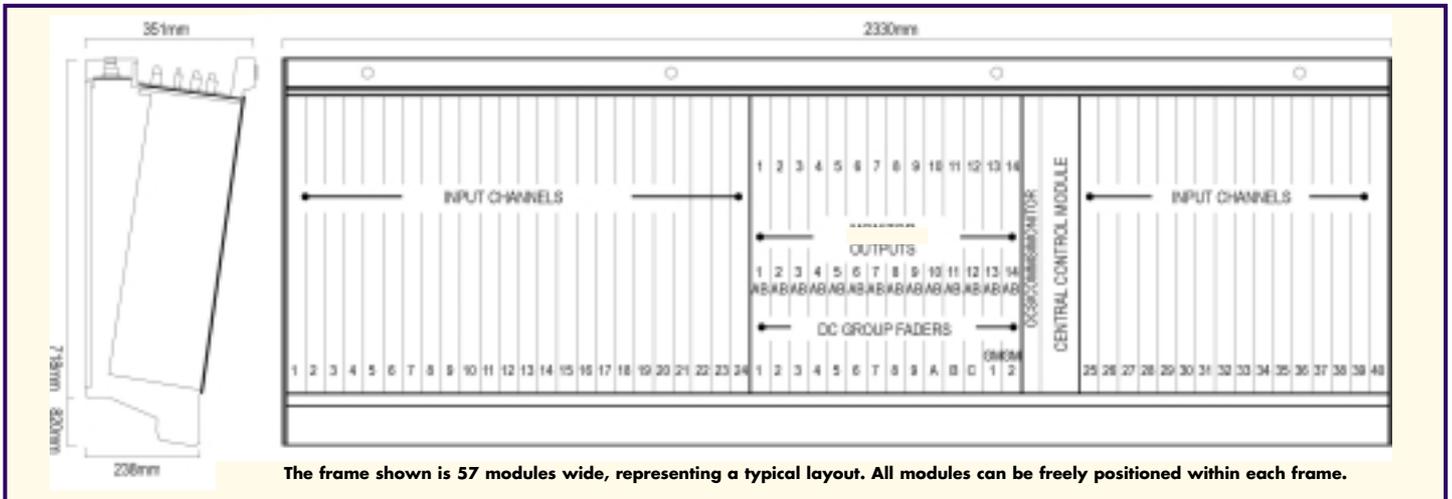
- Up to 112 Input Channels
- 4-band Fully Parametric EQ
- Variable HP and LP Filters
- Aux. sends globally configurable from 16 mono up to 8 stereo
- Output matrix facility increases capability to 52 output mixes
- VCA Masters and 2 Grand Masters
- Grand Master 'Global Trim' Facility
- Independent PFL/Listen Outputs (1x Stereo and 1x Mono)
- Listen Hold, Cancel and PFL Priority Facilities
- Comprehensive Comms and Oscillator Routing



UNRIVALLED AUTOMATION

- PC-based Storage up to 10,000 cues
- Motorfader Option for inputs and/or VCA Masters
- VCA Master identification via alpha-numeric LED displays
- MIDI Ports for control of out board equipment
- External Event Control for non MIDI equipment

GENERAL SPECIFICATION



FRAME

The B-Type is constructed from extruded aluminium bearers, fixed to 7mm two-part aluminium end profiles, allowing multiple frames to be positioned end to end so that modules are almost adjacent. Internal audio bussing is balanced and uses ribbon cables, plugged into steel cradles. Data busses use separate ribbon cables and power bussing is achieved using solid copper wire rated at 40A per rail.

Frame-mounted connectors include diode-mixed power inlets, earth points, headphone and Littlite connections, as well as optional bus expansion connectors. The frames incorporate multiple cooling fans with a five-speed control. Any frame size may be specified, up to 63 modules wide.

MODULES

The B-Type's modules are made up of a motherboard, with plug-in daughter

boards containing the majority of the systems' electronics. This ensures servicing simplicity and fast replacement of any faulty component. Each module may be plugged into any position in the console frame using a top quality two-part connector system, designed as a mating pair to provide excellent mechanical and electrical reliability. An aluminium rail system is used to guide each module into its correct position. The console design allows modules to be removed or inserted without powering down.

CONNECTORS

XLR type connectors are standard for all inputs and outputs. 1/4" jack sockets are used for insert sends and returns.

POWER SUPPLIES

Each B-Type console requires:

- +/- 18v for the audio electronics
- +13v for LEDs, relays and logic circuits

- +48v for phantom powering of microphones

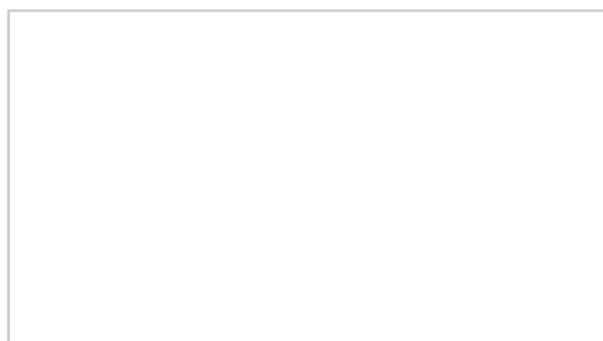
The power supplies are contained in 19" rack cases and are connected via a heavy duty, shielded multicore cable with military circular bayonet connectors at each end. Each console may be powered by two independent power supply systems, operating simultaneously.

FINISH

All Cadac front panels are machined from custom-designed 3mm aluminium extrusion, which is stove enamelled, silk-screened and lacquered. The silk-screened legend is designed to withstand arduous operating conditions. Custom-made flight cases are available for the B-Type, as required.

STANDARDS

The B-Type is designed to the following standards: EN55103-1:1997, EN55103-2:1997, EN60065:1998.



CADAC is a registered trademark of Clive Green & Co. Ltd.

Designed and Manufactured by:

Cadac Electronics

One New Street,

Luton,

Bedfordshire,

England LU1 5DX

Telephone: +44 (0)1582 404202

Facsimile: +44 (0)1582 412799

Email: info@cadac-sound.com

Website: www.cadac-sound.com