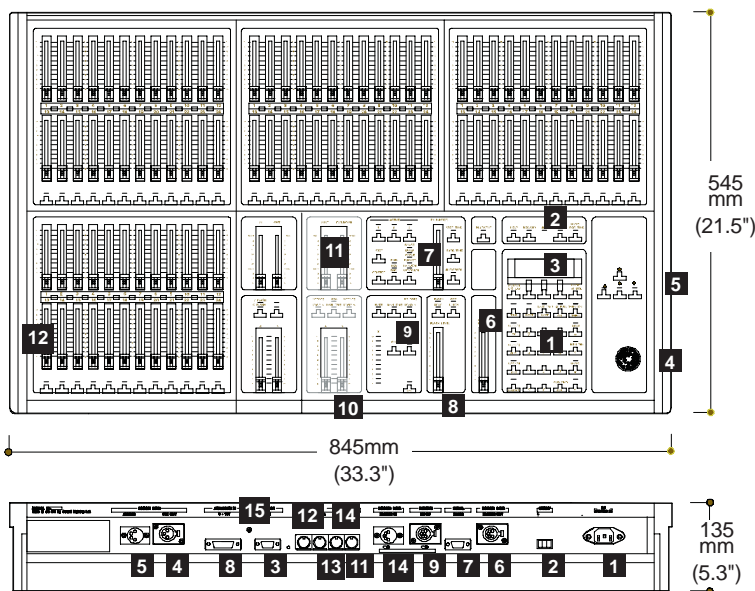# LBX™
Console platform
25, 50, 75, 100, 125 channels

Features

❑ Compact memory + manual lighting console platform with a choice of application software packages

❑ Rugged console designed for concert lighting, multipurpose venues and touring

❑ Common hardware platform, user configurable as 96 channel single preset desk, 72 channel single preset with 24 submasters, 48 channel two preset desk, or 36 channel two preset desk with 24 submasters

❑ Integral auto-sensing 120V - 240V power supply

❑ Integrated 3.5" disk drive and separate VGA colour monitor

❑ Comprehensive control surface including command panel, two independent playbacks, wheel and LCD display

Console Surface

1 Command keypad for channel and memory control
2 Recording and help keys
3 Backlit LCD display for function keys, memory & playback status
4 Level and rate control wheel
5 Cursor keys for screen editing
6 Grand master fader and Blackout key
7 Effects control
8 Flash key control
9 X playback
10 A/B playback
11 Manual fade time selection
12 96 faders, software programmable for 96 x 1 preset, 72 x 1 preset with 24 subs, 48 x 2 preset, 36 x 2 preset with 24 submasters

Rear Panel

1 Mains power supply input
2 On/off switch
3 VGA colour monitor
4 DMX512 output
5 AMX192 output
6 D54 output
7 RS-232 connector
8 Twelve 0 to +10V analogue inputs
9 RS-485 connector
10 DMX512 input
11 Audio input
12 MIDI in
13 MIDI thru
14 MIDI out
15 Test LED indicator

Mechanical and environmental data

Construction High impact injection moulded thermoplastic and aluminium
Operating Temp 0° to 40°C ambient (32° to 104°F)
Storage Temp -40° to 70°C (-40° to 158°F)
Humidity 5% - 95% non-condensing

Weight

14kg (31lb)

❑ Strand's Genius operating software provides an intuitive operating system and a foundation environment for controlling up to 512 DMX dimmers or scrollers using 25, 50, 75, 100, or 125 channels

❑ Optional Kaleidoscope application software package expands Genius to include advanced effects and intelligent colour scroller control

❑ Optional Communiqué application software package expands Genius to include industry-standard communications protocols such as MIDI Show Control, MIDI Backup, DMX input, RS232 ASCII remote control, remote submasters and macros

❑ Uses software updates or new operating packages using integral floppy disk drive

Technical Specifications

Supply Voltage

120V - 240VAC, internal auto-sensing power supply.

Archive Memory

3.5" floppy disk (DOS)

Connections

Dimmers: DMX512 outputs (512 dimmers per port), 5 pin female XLR (1)

Dimmers: AMX192 output (192 dimmers), 4 pin male XLR (1)

Dimmers: D54 output (384 dimmers), 3 pin female XLR (1).

DMX Input, 5 pin male XLR (1) MIDI (In/Thru/Out)RS-485 Remote Handheld port (1)

Parallel printer, 25 pin female D-type (1)

12 Analogue Inputs +10V, 15 pin D-type female (1)

Audio input, 10mV to 10V balanced, 3 pin female XLR (1)
Keyboard (1)

VGA monitors, high density 15 pin female D-type (1) Power inlet: IEC320 (male).

Standards Compliance

UL, cUL (pending), EMC emissions to EN50081-1, EN55014; EMC immunity to EN50082-1, IEC1000-2-2; Safety: EN60950, UL1950; design & manufactured within a quality control system approved to BS EN ISO 9001.

Software

Genius™, Operating software minimum. Application software includes Communiqué™ (comms), Kaleidoscope™ (special effects). Genius Off-line editor is available.

Control Capacity

From 25 to 125 channels patchable to a maximum of 512 DMX, 192 AMX or 384 D54 outputs. Channel capacity is defined by the version of Genius Operating software purchased. Control capacity may be upgraded at any time by additional software in 25 channel blocks.

Control Inputs

One DMX input (512 dimmers), and 12 analogue inputs (0 to +10V). DMX inputs may be patched to DMX outputs with a scaling factor if required. Analogue input signals are used for remote control of selected submasters.

Printer

Support for Epsom FX, IBM Proprinter, HP Deskjet, HP Laserjet, and ASCII is included in Genius Operating Software.

The full operational specification of the LBX console depends on the software chosen for the system, and the user's preference of operational functions which may be custom configured.

Channel Control

Main command keypad for setting channel levels, and recording lighting states. The associated LCD display provides local indication of channel control status, including the functions of three menu selection soft keys. Control ball operates as a wheel to increase and decrease intensity. 96 faders on the console may be configured at any time to operate as 96 x 1 preset, 72 x 1 preset with 24 subs, 48 x 2 preset, 36 x 2 preset with 24 submasters. Channel faders and the channel control keyboard and wheel combine on a highest level takes precedence basis.

Playbacks

Three playbacks are provided, one for replay of automatic timed sequence memories with Go, Stop/Back, Cut and Load memory keys, a manual playback with faders and Load memory keys, and C/D master faders controlling the 2 preset channel faders. Each playback has a LED fade progress indicator, and the two memory playbacks can work at different points in the cue sheet, enabling two cue sequences to be run independently on separate playbacks if desired.

Macros

10 user-programmable Macros are provided, each offering a maximum of 32 keystrokes. Macros can be activated directly from the keypad, or remotely.

Effects

Three effects playbacks are provided, controlled by a Go/Stop key and manual step key. Three chase memories are provided with Genius software, and the optional Kaleidoscope application software offers seven effect types and 30 memories.

Submasters

24 programmable submasters with five seperate pages may be selected if required as part of the fader configuration process. Each submaster has a bump button, and two LED indicators to signal the status and activity of each submaster.

On/Off

Main switch is provided on the rear panel of the console.

Grand Masters and Blackout

A Grandmaster fader and 'Blackout' are provided.

LBX™ Control Console

Compact and versatile hardware platform for use with Genius™ operating software, and optional Kaleidoscope™ and Communiqué™ application software. See separate data sheet for details). The Operating Software package chosen sets the capacity of the system in increments from 25 channels to a maximum of 125 channels. LBX has two presets of software configurable manual faders to provide a 96 channel single preset desk, or 72 channel single preset with 24 submasters, or 48 channel two preset desk, or 36 channel two preset desk with 24 submasters. LBX has two playbacks, LCD display and integral 3.5" floppy disk drive. Future expansion of capacity or functions (through extension software) is designed into the system through the purchase of upgrade packs or additional extension software. See also GSX console which has a similar specification to LBX, but in a smaller case with 24 submasters replacing the 96 software configurable manual faders.

Ordering information

Cat No	Description
64051	LBX Console, Europe and Asia (requires Genius operating software minimum)

Software

Cat No	Description
67011	Genius 25 Operating software
67021	Genius 50 Operating software
67031	Genius 75 Operating software
67041	Genius 100 Operating software
67051	Genius 125 Operating software
67001	Genius 25 channel extension software
67061	Kaleidoscope Application software
67071	Communiqué Application software
67120	Genius Off Line Editor for PC

Peripherals & accessories

Cat No	Description
66012	Monitor, 14", VGA (230V/240V)
66013	Monitor, 15", SVGA(110/230V)
66041	Handheld designer's control
66083	DMX control cable, 2m
66081	DMX control cable, 10m
66082	DMX control cable, 25m
66033	Vinyl cover, LBX console
66032	Vinyl cover, 14" monitor
66053	Touring case, LBX Console
66052	Touring case, 14" monitor