Strand Lighting

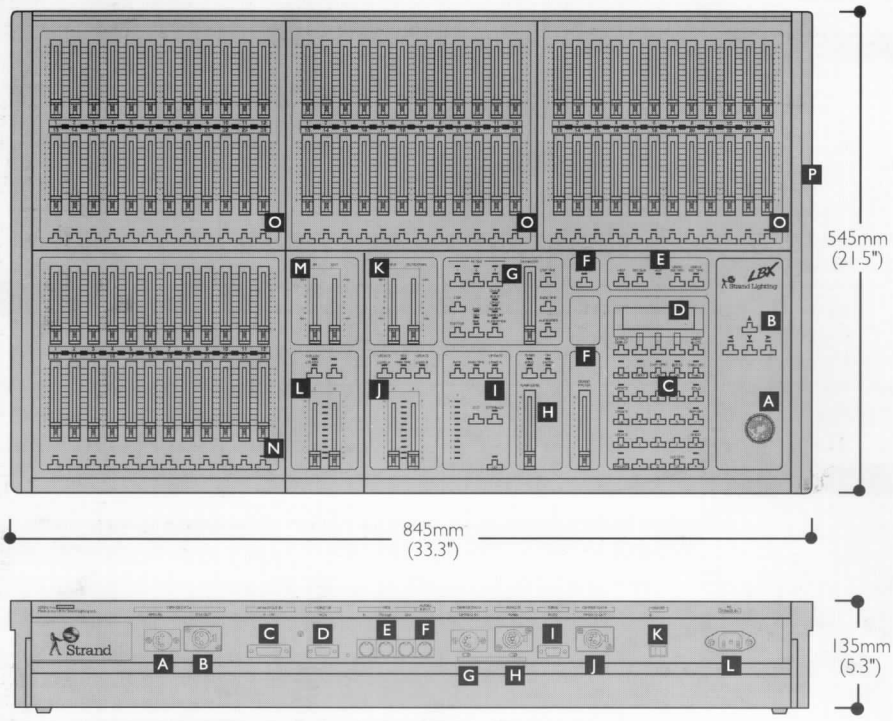
PRODUCT DATA

6.4

CONTROLS

LBX™ with Genius™

LBX Specifications



Console surface

A	Wheel for level control and fade rate override
B	Cursor keys to select screen information to be edited
C	Command keypad for channel and memory control
D	LCD with context sensitive softkeys
E	Recording and Help keys
F	Blackout key and Grand Master (does not affect scrollers)
G	3 effects playbacks with live effects control and override
H	Flash key control panel
I	X playback for up to 6 simultaneous move fades
J	A/B manual playback with mode selection
K	User selectable manual fade time setting for A/B, X and submaster playbacks
L	C/D preset masters
M	Manual fade time setting for C/D preset masters
N	Software selectable faders to control either submasters or channels
O	Channel control faders with software selectable C/D modes
P	Disk drive on side of console

Rear panel

A	AMX192 mux output
B	D54 mux output
C	12 10V analog inputs for submaster and macro control
D	VGA monitor output
E	MIDI in/out/thru
F	Audio input
G	DMX512 mux input (250 dimmers max)
H	Remote input (RS485) - not yet implemented
I	Remote input (RS232) - for wired remote, printer and ASCII control
J	DMX512 mux output
K	Power on/off switch
L	Mains power input, 120V - 240V nominal, 50/60Hz

A GUIDE TO SYMBOLS AND ABBREVIATIONS

GENERAL Supply voltage Number of channels Number of mux outputs Number of submasters or faders Typical memory capacity Control protocol between desk and dimmer or other equipment Overall dimension of product Weight of product Plan dimension (footprint), ie. the desk or floor area required ✔ Compliance with international standards.

- Memory & Manual control system, combining powerful console hardware with operating and application software
- 25 to 125 channels with 512 DMX mux outputs
- Automatic and manual cue playbacks with three separate effects playbacks, c/d preset masters and up to 24 timed submasters
- 96 user configurable faders in combinations of preset channels and submasters
- Colour VGA monitor screens
- Backlit LCD display on console with context sensitive softkeys
- DOS compatible 3.5" floppy disk drive
- Rugged console, suited for touring, with 120V to 240V universal power supply
- Genius operating software, compatible with Genius for GSX and Lightpalette / Genius*Plus* for the Strand 430 range of consoles
- Channel upgrades available in steps of 25 channels up to the maximum 125 channels
- Kaleidoscope application software package for advanced effects and colour scroller control
- Communiqué application software package for advanced communications, such as remote analog inputs, DMX input, ASCII, MIDI, MIDI Backup and MIDI Show Control
- Operating and application software loaded by floppy disk

LBX™ Control Console

120V - 240V 25 - 125 512 96 200 DMX512, D54, AMX192, SMX, MIDI, MSC, ASCII 845 x 545 x 135mm 14kg ✔ SELV

Description	Cat.No.
LBX, Europe & Asia	64051
LBX, North & South America	64052
14" Colour Monitor (230V)	66012
14" Colour Monitor (120V)	66011
Inkjet Serial Printer (230V)	66022
Inkjet Serial Printer (120V)	66021
Handheld remote	66041
Dustcover, console	66031
Dustcover, monitor	66032
Touring case, console	66051
Touring case, monitor	66052

Genius Software	North & South America	Europe and Asia
Genius 25	67010	6701x*
Genius 50	67020	6702x*
Genius 75	67030	6703x*
Genius 100	67040	6704x*
Genius 125	67050	6705x*
Kaleidoscope	67060	6706x*
Communiqué	67070	6707x*
25 channel extension	67000	6700x*

** Insert the following number for preference:*
English 1, German 2, French 3, Italian 4, Spanish 5, Swedish 6

General

	LBX Console	Genius 1.2	Kaleidoscope	Communiqué
VGA colour monitor output	1			
3.5" DOS disk drive for show memories & software updates	1			
LCD display on console	1			
Soft function keys	3			
Internal universal power supply (120V - 240V)	●			
On line prompts and help screen		●		
Real Time Clock and Date on screen		●		

Capacity

Channels		125, 100,75, 50,25		
Mux outputs		512		
Cues in battery backed memory		200		
Submaster memories and pages		24 x 5		
Macros, user programmable		10		
Effects memories		3	30	
Faders	96			
Automatic cue playback	1			
Manual cue playback	1			
Manual 2-scene preset master	1			
Effects playbacks	3			

Intensity Channel Control

Lists using: +, -, THRU, NEXT, LAST		●		
Lists using mixed Channels, Cues and Submasters		●		
Levels using @, ON, FULL, +, - and wheel		●		
Level setting by two (per-cent) or one digit (points)		●		
Proportional or Shaft wheel control		●		
UNDO @		●		
REM-DIM, SOLO		●		
BUMP UP/DOWN		●		

Colour Channel Control

Frame numbers on screen			●	
@ COL function			●	
@ COL UNDO function			●	
Scrollers unaffected by Grand Master or Blackout			●	

Recording Cues / Submasters

UP / DOWN fade times (cues and submasters)		●		
UP / DOWN delay times		●		
WAIT time		●		
LINK / LOOP		●		
Cross fades / Move fades		●		
Record output		●		
Record time only		●		
Record minus submasters		●		
Record NEXT Cue		●		
Cue numbers 1.0 to 999.9 (max 200 cues)		●		
Cue RENUMBER function		●		
Cue 0 is a blackout cue		●		
Update Cue		●		
Update Submaster		●		

Recording Cues / Submasters (contd.)

	LBX Console	Genius 1.2	Kaleidoscope	Communiqué
Submaster quickload function		●		
Over-record warning		●		
UNDO record		●		
Memory Lock function		●		

Automatic Playback

GO key	●			
STOP / BACK key	●			
CUT key	●			
LOAD key	●			
Fade progress LED display	●			
Simultaneous move fades		6		
Programmable fade time		●		
Faders for manually setting up/down fades		●		
Fade rate override with wheel		●		
Programmable CUT time		●		
Programmable BACK time		●		

Manual Playback

A / B faders with dipless crossfades	●			
Load A / Load B keys	●			
Fade progress LED display	●			
Faders for manually setting in/out fade times	●			
Sequential / Non-sequential operation		●		
Programmable fade time		●		

2-Scene Preset Masters

C/D faders for in/out dipless cross fades	●			
Faders for manually setting in/out fade times	●			
C/D flash key selection	●			
Automatic hold & sequencing in single preset mode		●		

Submasters

Submaster faders	24			
Submaster flash keys	12			
Flash level master	●			
Submaster memories x pages		24 x 5		
Inhibitive submasters		24 x 5		
Independant submasters		24 x 5		
Programmable or manual fade time per submaster and page		●		
Flash pile-on / SOLO modes		●		
Flash momentary / latch mode		●		
Macro triggered by submaster		12		
Sound-to-light control of submaster			●	
External submasters				12
DMX IN channel master				●
DMX IN dimmer merge master				●

Effects

Effects playbacks	3			
GO / STOP key	●			
Manual STEP key	●			
Effects memories		3	30	
Forward, reverse, bounce		●		
Chase / Build / Cycle / Flicker / Random / Audio / MIDI		Chase	●	
Update Effect			●	
Step time override with wheel		●		
Effect fade in/out time override with wheel		●		
Audio / MIDI sensitivity control with wheel			●	

Macros

	LBX Console	Genius 1.2	Kaleidoscope	Communiqué
User programmable macros		10		
Key presses per macro		32		
Start-up macro		●		
Macro triggered by keypad		●		
Macro triggered by date and time		●		
Macro triggered by hand held designer's remote		●		
Macro triggered by submasters		●		
Macro triggered by audio input			●	
Macro triggered by external +10V signal				12
Macro triggered by configurable MIDI input				●
Macro triggered by configurable RS232 ASCII input				●

Patches

Patches in memory	2		
Dimmers / scrollers	512 dim	512 dim & scrollers	
Proportional scaling per dimmer	0 - 200%		
Non-dim trigger level	1 - 99%		
Default patch function	●		
Programmable system default scale factor	●		
Programmable system default non-dim trigger level	●		
Scroller setup in PATCH		●	
Default max color frame number		2 to 255	

Show Storage & Retrieval

DOS compatable 3.5" high density disk drive	●			
Formats new low density disks		●		
Fast-save key on console surface		●		
Can read cues, subs and effects individually or in blocks		●		
Can read patches, set-up & macros individually		●		
Automatic backup copies of show on disk		●		

Input / Output Control

Dimmer data mux output - DMX, AMX, D54, SMX		●		
RS-232 for Designer's handheld remote & printer		●		
MIDI time clock for effects step control			●	
Audio for effects step control & submaster sound to light			●	
DMX 512 Input - channel mode (max 125 channels)				●
DMX 512 Input - dimmer merge mode (max 250)				●
Analog inputs, 0 to +10V for external submasters				●
Analog inputs, 0 to +10V for external macros				●
RS-232 for ASCII Control & remote macro				●
MIDI In / Out / Thru				●
MIDI channels				off, 1 to 16
MIDI note on/ note off				●
MIDI Show Control				●
MIDI for Redundant Tracking Backup and Slave operation				●
MIDI for remote macro				●

Setup Functions - Genius

Channel control modes	Direct action or Command line
Channel level entry	Double digit (%) or Single digit (points)
ON level	0 - 100%
X and A/B playback up/down fade times	0.0 to 59:59
X playback fade types	Crossfade or Movefade
X playback delay times	0.0 to 59:59
X playback wait time	Off, 0.0 to 59:59
X playback back time	0.0 to 59:59
X playback cut time	0.0 to 59:59
Fader modes	72 channel, 1 preset, 24 subs 36 channel, 2 preset, 24 subs 96 channel, 1 preset, 0 subs 48 channel, 2 preset, 0 subs
Submaster recorded up/down fade times	Manual, 0.0 to 59:59
Effects step time	0.1 to 59:59
Buzzer volume	Off, low, medium, high
LCD contrast	1 to 100%
LCD backlight	1 to 100%
Power up macro	0 to 9
Wheel mastering	Proportional or Shaft
Set time and date	●
Time format	24 hour or am/pm
Date format	DD/MM/YY or MM/DD/YY
Patch default scale factor	0 to 200%
Patch default non-dim trigger level	0 to 100%
Patch default color frame number	2 to 255
Printer type	Epson FX, IBM Proprinter, HP Deskjet, ASCII
Printer paper size	11" or A4
RS-232	Baude rat, data bits, stop bits, parity
MIDI channel number (Communiqué only)	Off, 1 to 16
External submaster voltage scaling	80 to 120%
AMX/D54 scaling	80 to 120%

Display Screens

- Output + playback
- Cue preview
- Submaster preview
- Cue/channel cross reference
- Effects
- Macro + output
- Archive + output
- Patch
- Setup
- Status Log
- Help display

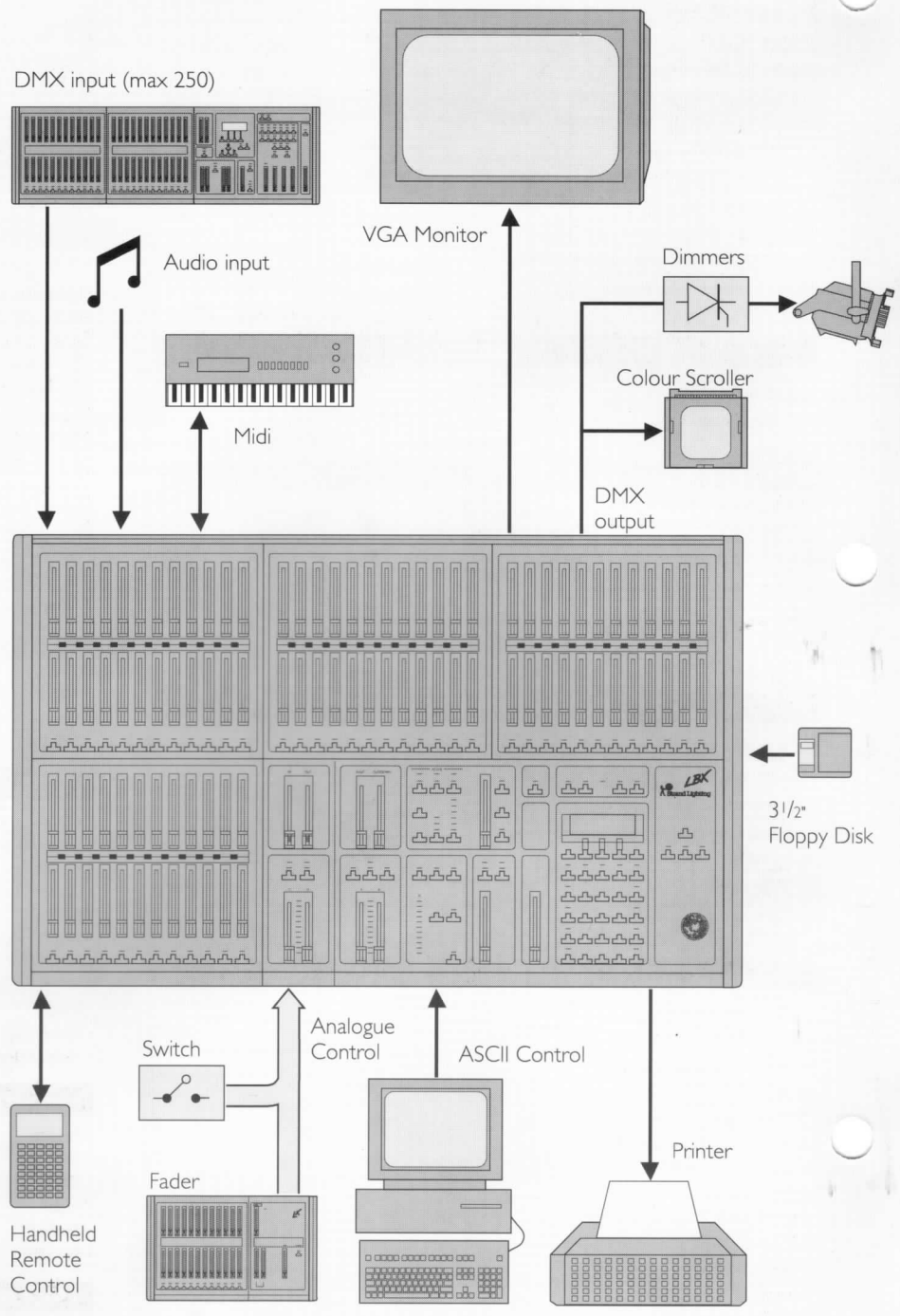
Languages

- English
- German
- French
- Italian
- Spanish
- Swedish

Mechanical & Electrical

Power Supply (nominal)	100V - 240V, 50/60Hz
External Dimensions - mm	845 W x 545 D x 135 H
External Dimensions - inches	33.3"W x 21.5"D x 5.3"H
Weight	14 kg / 30.5 lb
Colour	Grey
Approvals	UL, cUL, ETL, Warnock Hersey

LBX System Configuration



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