Strand Lighting

PRODUCT DATA

Lightpalette™

Operating software for 500 Series consoles

Lightpalette™ Operating Software

Lightpalette operating software provides the primary functionality for the Strand 500 Series console platforms. The software comes with 100 intensity channels and 100 moving light attribute channels and can be expanded by means of 50 or 200 channel incremental upgrade packs. Lightpalette provides a maximum of 1500 intensity channels (plus 500 attributes) for the standard 520, 530 and 550 consoles and 2000 intensity channels (plus 2000 attributes) for the higher specification 520i, 530i and 550i consoles. Operations manual and software is supplied with a choice of languages.

Cat. No.	Description
67331	Lightpalette operating software (100 + 100 channels)
67511	50 channel expansion software
67513	200 channel expansion software
85131	Lightpalette manual set

Associated Software

Operating Software:

GeniusPro™
Alternative operating software providing 'Preset' style cue recording can be used in place of Lightpalette which is optimised for command line/tracking style operation..

Application Software:
Application software is available to add optional functionality to GeniusPro or Lightpalette operating software at any time. All software packages are described in separate data sheets. Current application software includes:

CommuniquéPro™
An application to GeniusPro adding communications protocols that operate with other DMX consoles, remote controls, and central 'event' controllers. Includes MIDI and MIDI Show Control facilities.

Networker™
Application software for remote color monitors, remote control and DMX distribution. Includes an Ethernet card for the console, and requires Strand SN100 nodes.

Tracker™
Multi-attribute control of any DMX automated lights, scanners and scrollers using the additional wheels and tracker ball controls on the console.

Off-line Editor™
A program to prepare memories and system configurations on a remote PC.

Reporter™
Provides dimmer configuration and status feedback remotely at a 500 Series console.

Server™
Central storage of show files on one console in a networked system of consoles.

ShowPort™
Converts Strand show files to and from ASCII or Comma Delimited format. (ShowPort is included with Off-line Editor software)

PC™
Allows DOS PCs to operate GeniusPro or Lightpalette with built in Networker for tracking back-up, designer's remote, multi-user, multi console, playback control, etc.

All Strand Software is secured by factory issued passwords

- New Lightpalette™ 32 bit true pre-emptive multi-tasking software for 500 Series consoles
- Operating software includes 100 channels and 100 attributes
- Channel upgrades available in 50 or 200 channel increments up to:

520, 530, 550 consoles	1500 intensity channels 500 moving light attributes
520i, 530i, 550i consoles	2000 intensity channels 2000 moving light attributes

- True tracking cues with up to 12 part fades
- Advanced effects with midi and audio support. Effects may be played from cues or submasters
- Full integration with Tracker application software for intuitive control of scrollers and moving lights
- Supports up to 4 VGA color monitors formatted for traditional Lightpalette cue sheet and channel displays plus a wide range of new features
- Six pages of submasters with separate up/down and attribute fade times
- Supports a wide range of back-up options
- Lightpalette supports English, French, German, Italian, Spanish, Swedish or Dutch language display
- Wide range of Networking options

Lightpalette Features

General

VGA color monitor outputs	1 or 2, user selectable expandable to 4 with optional VGA card
User definable channel numbering	1 - 9999
On line prompts and help screen	✔
Real Time Clock and Date on screen	✔

Console Displays and Softkeys

Current status information	Channel, cue, submaster, effect, groups, profiles
Macro labels	Macro number
Supermaster labels	Function description
Playback status	Cue and fade progress
Active channel display formatting	✔

Capacity

Maximum Channels/Attributes		
520/530/550 consoles	Max 1500 dimming / 500 attributes (dimming channels can be converted to more attribute channels)	
520i/530i/550i consoles	Max 2000 dimming / 2000 attributes (dimming channels can be converted to more attribute channels)	
Channel/Attribute ratios	Intensity channels can be increased in 50 or 200 channel increments. Moving light channels will increase according to the ratios indicated in the table below:	
	100/100	650/400
	150/150	700/400
	200/200	750/400
	250/250	800/500
	300/250	up to.....
	350/250	1500/500
	400/400	1600/600
	450/400	1700/700
	500/400	1800/800
	550/400	1900/900
	600/400	2000/2000
Mux outputs	max. 2048 (console) or max. 4096 (with optional Networker software and SN100 nodes)	
Cue memories		2000
Part per cue*		12
Submaster memories and pages		520/520i: 24 x 6 530/530i: 30 x 6 550/550i: 54 x 6
Macros, user programmable		999
Effects memories		99
Effects playbacks		10

*Each part counts as one cue memory

Intensity Channel Control

Lists using: +, -, THRU	✔
Lists using mixed Channels, Cues and Submasters	✔
Levels using @, ON, FULL, +10%, -10% and wheel	✔
Level setting by two digits (per-cent) or one digit (decimal)	✔
Command line or direct entry action (user selectable)	✔
Proportional or Shaft wheel control	✔
UNDO @	✔
REM-DIM, SOLO	✔
BUMP UP/DOWN	✔

Color Attribute Control

Select intensity channels for direct color control	✔
Frame selection by +FRAME/ -FRAME keys	✔
Direct entry by @ATT, keypad and wheel	✔
User programmable max. frame numbers	2 - 255
Frame number showing on "+" screens	✔
Last Action control across playbacks and submasters	✔
Unaffected by Grand Masters or Blackout	✔

Direct Dimmer control

Lists using: +, -, THRU	✔
Levels using @, FULL and wheel	✔
Selected dimmer level shown on monitor wheel bar	✔
Dimmer levels shown in patch screen	✔

Recording Cues / Submasters

Tracking cue operation	✔
"Block" and "This cue only" softkeys when tracking	✔
Fade modes recorded with cue	Automatic, Manual time, Manual level
UP / DOWN fade times (cues and submasters)	✔
UP / DOWN delay times	✔
WAIT time	✔
LINK / LOOP / Subroutines	✔
Cross / Move and All fades	✔
CALL macros, start or stop effects	✔
Record output	✔
Record time only	✔
Record minus submasters	✔
Record NEXT Cue	✔
Cue numbers 1.0 to 999.9 (max. 2000 cue parts)	✔
Cue RENUMBER function	✔
Cue 0 is a blackout intensity cue	✔
UPDATE Cue	✔
UPDATE Submaster	✔
Submaster quickload function	✔
Over-record warning	✔
UNDO record	✔
Memory Lock function	✔
Text labelling available on all cues and parts	✔
Update changed, listed or all channels	✔
Record manual cues	✔

Automatic Playback

Simultaneous fades	128
Fade rate override with wheel	✔
Rate override of upfades, downfades or both	✔
Fade time override with faders	✔
Fade level override with faders	✔
Programmable CUT time	✔
Programmable BACK time	✔
Fade progress display on LCD display	✔
Rate individual parts or cues	✔

Submasters

Submasters with bump key	24 (520/520i) 30 (530/530i), 54 (550/550i)
Submaster memories x pages	24 x 6 (520/520i) 30 x 6 (530/530i) 54 x 6 (550/550i)
Inhibitive submaster memories	24 x 6 (520/520i) 30 x 6 (530/530i) 54 x 6 (550/550i)
Independent submaster memories	24 x 6 (520/520i) 30 x 6 (530/530i) 54 x 6 (550/550i)
Supermaster functions	Submasters, Submaster flash keys, Effects, DMX Input, Audio, MIDI (functions are user-selectable on all submasters)
LCD labels for each Supermaster	6
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	1
External submasters	12
Flash, Solo and Latch bump modes per submaster	✔
Upgrade changed, listed or all channels	✔
Group independent submasters	✔

Effects

Effects memories	600
Steps per effect	99
Quick record of next step	Output and Preview screens
Forward, reverse, bounce	✔
Chase, Build, Cycle, Flicker, Random, Audio, MIDI	✔
Effects start/stop in cue sheet	✔
Direct action effect Direction and Type override	✔
Direct action step time override with wheel	✔
Effect fade in/out time override with wheel	✔
Update live effect	✔
Audio / MIDI sensitivity control with wheel	✔
Effects loaded on submasters	✔
Effects played from cues	✔
Effects steps include cues, groups or channels lists	✔
Individual steps have In/dwell/out times	✔

Macros

User programmable macros	999
Key presses per macro	32
Start-up macro	1
Macros triggered by keypad selection	all
Macros triggered by hand held designer's remote	all
Macros triggered by cues in cue sheet	all
Macros triggered by submasters	12
Macros triggered by external +10V signal	12
Macros triggered by date and time	✔
Macros triggered by audio input	1
Macros triggered by configurable MIDI input	1
Macros triggered by configurable serial ASCII input	1
P1...P7 direct action macro keys	Macro Triggered by user key
Key presses per macro	120

Grand Masters and Stop (Blackout)

User Assignable	2
User Stop (Blackout) group	✔
User Stop (Blackout) functions	Stop/Blackout/disabled

Patches

User definable channel numbering	1 - 9999
Patches in active memory	2
Mux outputs (intensity and attributes)	Console:2048 (1536 when DMX input used) Network: 2048 plus (with DMX input in a SN100) (with Networker software and SN100/102 network nodes)
Proportional scaling per dimmer	0 - 200%
User default scale factor	In setup
Non-dim trigger level	1 - 99%
User default non-dim trigger level	In setup
Default patch function	All or partial
Scroller setup in PATCH	✔
User max. scroller frame number	2 - 255
Profiles assignable to each dimmer mux number	✔
Dimmer preheat function	✔
Patch display by Dimmer or Channel number	✔
Copy between patches	✔

Show Storage & Retrieval

Formats new HD floppy disks	✔
Fast-save key on console surface	Softkey
Can read cues, subs and effects individually or in blocks	✔
Can read patches, set-up & macros	✔
Automatic backup copies of show on 3.5" disk	✔
Storage of shows on Hard drive	10

Groups

Groups	1000
Text labels on all groups	✔
Grand master groups	2
Stop/Blackout group	2
Display Groups	✔
On/Home Group	✔

Profiles

Profiles	64
Graphical Display	✔
Assignable to cues or dimmers	✔
Text labels	✔
Tabular profile display for all off grid co-ordinates	✔
Profile points entered as decimal or DMX	✔

Input / Output Control

Dimmer data Mux output - DMX512, AMX192, D54	✔
Simultaneous digital and analog Mux outputs	✔
RS-232 for handheld remote	✔
Parallel port for printer	✔
MIDI time clock for effects step control	✔
Audio for effects step control & submaster sound to light	✔
Dimmer over temperature	✔

Setup Functions

Languages displayed	English, German, French, Spanish, Italian, Swedish, Russian and Dutch
Displays	Up to 4 with optional second dual VGA card
Channel display formats	Lightpalette 100 or 200 display format
Channel control modes	Command line data entry operation
User ON level	0 - 100%
Playback fade up/down times	Default to 0.0 to 59:59
X playback delay up/down times	Default to 0.0 to 59:59
X playback wait time	Default to Off, 0.0 to 59:59
X playback back fade time	Default to 0.0 to 59:59
X playback cut fade time	Default to 0.0 to 59:59
Submaster recorded	Default to 0.0 to 59:59 up/down fade times
Effects step time	Default to 0.0 to 59:59
Buzzer volume	Off, low, medium, high
LCD contrast	0 to 100%
LCD backlight	0 to 100%
Wheel mastering	Proportional or Shaft
Wheel sensitivity	slow, medium, fast
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
RS-232	Baud rate, 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%
Power up macro	1
At Time Macros	4
Activation of At Time macros	Day(s) of week, Start time/date, repeat activation interval, stop time/date for repeat activation
Restore output level on loss of power	on/off

Printouts

Printer type	Epson FX, IBM Proprinter, HP Laserjet, HP Deskjet, ASCII
Printer paper size	8½" x 11", 8½" x 12", 8½" x 14" 11" x 14½", 11" x 17" DIN A4 or A3
Print orientation	Landscape or Portrait
Print Options	Cues, Groups, Patch, Effects, Submasters, Profiles, Macros, Fixtures, Setup, Notes. Channels in use/Channels not in use Screens Notes pages

For more information on Strand products and World Wide facilities see our Web page

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Strand Lighting Ltd

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