

Strand Lighting

P R O D U C T D A T A

GeniusPro™ Operating Software

GeniusPro operating software provides the primary functionality for the GeniusPro 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. GeniusPro 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

67311	GeniusPro operating software (100 + 100 channels)
67511	50 channel expansion software
67513	200 channel expansion software

Associated Software

Operating Software:

● Lightpalette™

Alternative operating software providing similar functionality to GeniusPro 'Preset' but optimised for command line/tracking style operation familiar to Lightpalette users.

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:

● CommuniquePro™

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 colour 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 GeniusPro 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

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S O F T W A R E

GeniusPro™

Operating software for GeniusPro consoles

- Preset style operating software for GeniusPro consoles
- Provides basic lighting control operation and special effects for 100 intensity channels plus 100 scroller/moving light attributes. (Tracker application software is required for full integrated moving light control)
- Upgradable at any time for increased capacity. 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
- Upgradable at any time for broader functionality with a range of application software packages. (See adjacent panel)
- Custom configurable for direct action or command line operator interface
- 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 colour monitors formatted for a library of popular cue sheet and channel displays
- 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

GeniusPro Features

General

VGA colour 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
Wheel control	Proportional or shaft mastering

Capacity

Maximum Channels/Attributes	
520/530/550 consoles	Max 1500 dimming / 500 attributes
520i/530i/550i consoles	Max 2000 dimming / 2000 attributes
	Note: 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, SN100 nodes and i series consoles)
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	✓
Manually wheel cues in and out	✓

Colour Attribute Control

Select intensity channels for direct colour 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 and non-tracking modes	✓
"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	✓
Update changed, listed or all channels	✓
Record manual cues	✓

Automatic Playback

Programmable playback modes	Single, Dual HTP, Dual LTP, and Split Single*
Simultaneous up and down fades	100
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	✓

* HTP = Highest (level) Takes Precedence LTP = Latest (action) Takes Precedence

Submasters

Submasters with bump keys	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	✓
Update changed, listed or all channels	✓
Group independent supermasters	✓

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	✓
Key presses per macro	12

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

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: 4096 (with Networker software and ShowNet 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

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 (256)	

Input / Output Control

Dimmer data Mux output - DMX512, AMX192, D54	✓
Simultaneous digital and analogue 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	Genius, Lightpalette, Gemini, Galaxy
Channel control modes	Direct Action double digit (%) Direct Action single digit (points) Command line double digit (points)
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 colour frame number	2 to 255
RS-232	Baud rate, data bits, stop bits, parity
MIDI channel number (CommuniqéPro 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 II, HP Deskjet, HP Colour Deskjet ASCII
Colour	On HP Deskjets
Printer paper size	8½" x 11", 8½" x 14", 11" x 17" DIN A4 or A3
Print orientation	Landscape or Portrait
Print options	Cues, Groups, Patch, Effects, Submaster, Profiles, Macros, Fixtures, Setup, Notes Channels in use/Channels not in use Screens Notes pages

Off Line Editor for GeniusPro and Lightpalette V2.0

Off Line Editor software allows show disks created on a console to be edited on a standard PC from DOS or in a Windows 95 DOS box. Updated show files can then be returned to the console. Off Line Editor includes software and documentation, the user must supply PC and DOS or Windows 95.

Cat No	Description
67411	GeniusPro Off-Line Editor
67431	Lightpalette Off-Line Editor

Off Line Editor software is also available free of charge from Strand's Internet site at www.strandlight.com but does not include printed documentation.

Features

Edit show disks on standard DOS PC with VGA display	✓
Supports up to 1500 channels & 500 attributes with 486-DX2 or better PC.	✓
Supports up to 2000 channels & 2000 attributes with PentiumPro	✓
See cues fade and effects run on screen	✓
Soft keys for major functions	✓
All GeniusPro, Tracker, CommuniquéPro screen based features included	✓
Dual Video with (optional) Dual VGA card	✓
Saves and load show files to hard and floppy disks	✓
Shipped with full manual set and keyboard template	✓



Strand Lighting

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ALSO FACILITIES IN: **LOS ANGELES • NEW YORK • TORONTO**

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

<http://www.strandlight.com>

ShowPort

Show File Conversion Software

ShowPort converts show information between Strand Show Files, ASCII Light Cues & Comma Delimited formats. It runs under Windows 95 on a 386 or higher PC equipped with at least 8M RAM.

ShowPort is included with Off Line Editor software.

File Formats

GeniusPro for GeniusPro Consoles	Strand Show Files
Lightpalette for GeniusPro Consoles	
Other Consoles	USITT ASCII Text
Other Off-Line-Editors	Representation of Lighting
LightPort for LP90	Console Data
PC/Windows	Comma Delimited Text Files
Spreadsheets	
Database programs	

Converted Elements

The following show information can be converted between all formats in all directions	Cue Sheet, Cues Groups, Patch Effect List, Effects, Profiles
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GeniusPro & Lightpalette PC Software V2.0

PC software provides all the advanced features of console software on a standard DOS PC. GeniusPro & Lightpalette PC Software V2.0 is supplied with 100/100 channels and includes Networker software and a ISA Ethernet card. Channel and applications upgrades can be added just like regular consoles. Typical uses are designer's remote video stations, stand-alone backup systems, tracking backup systems, playback controllers.

Cat No	Description
67312	GeniusPro PC Software
67332	Lightpalette PC Software

Features

Ethernet card and Networker included	✓
Run shows on standard PC with VGA display	✓
Inherits capability of main console (channels & applications) when used in multi-user environment	✓
Optional Tracker, CommuniquéPro & Server s/w	✓
Add on channel upgrades 50/200 channels	✓
Supports up to 2000 channels & 2000 attributes with PentiumPro	✓
Supports up to 1500 channels & 500 attributes with Pentium PC	✓
Supports up to 350 channels & 250 attributes with 486DX2 PC	✓
Distribute DMX with Networker and SN nodes	✓
Load show disks from console	✓
Dual Video with (optional) Dual VGA card	✓
Multi-user and file server accessible	✓

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