

Strand Lighting

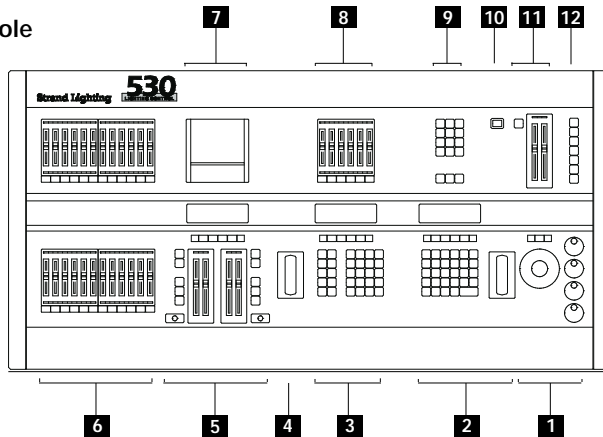
PRODUCT DATA

A Guide to the Strand 530/530i & 550/550i Consoles

530/530i™ 550/550i™

High Capability Control Consoles

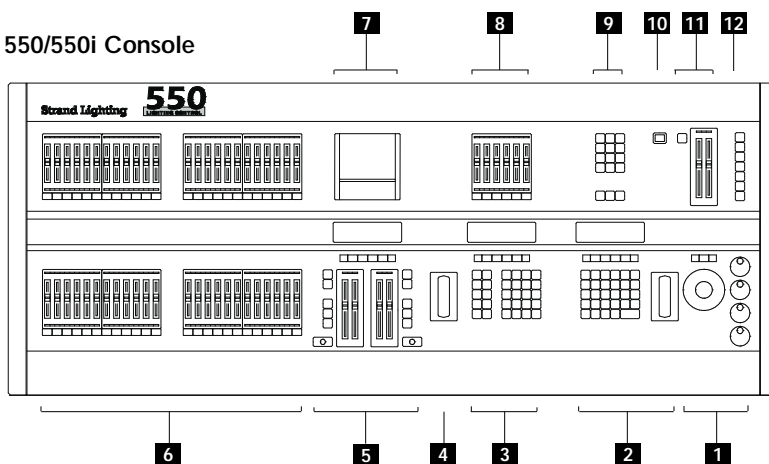
530/530i Console



1. Tracker ball, rotary controls and option keys for moving light control*
2. Command keypad, channel level wheel, context sensitive soft keys and graphics LCD
3. Function keypad, effects keypad, effects soft keys and graphics LCD
4. Rate wheel
5. Playbacks, 'GO' buttons, context sensitive soft keys and graphics LCD
6. Submasters, bump buttons, 'active' and 'loaded' LED indicators
7. Floppy disk drive
8. Supermasters
9. Display and command routing keypad
10. Power On/Off
11. Grandmasters and 'stop' button
12. User programmable keys

* requires Tracker™ software for full attribute functionality

550/550i Console



- Lighting control consoles with flexibility of user selectable channel capacity, operating style and application programs
- Powerful integrated moving light capability
- Choice of either Lightpalette™ command line/tracking style operation or GeniusPro™ preset style operation
- Choice of Console size:
 - 530/530i with 24 Submasters plus 6 Supermasters
 - 550/550i with 48 Submasters plus 6 Supermasters
- Choice of standard 530/550 Consoles or 530i/550i Consoles with extended channel capacity
- Operating software controls a maximum of:

530/550	1500 intensity channels, 500 scroller or moving light attributes.
530i/550i	2000 intensity channels, 2000 scroller or moving light attributes
- Intensity channels may be converted to additional attribute channels if required
- Console capability can be expanded through a range of powerful application software packages
- 530/550 equipped with Intel Pentium® 133 processor
530i/550i equipped with Intel Pentium® Pro 200 processor
- 2048 DMX outputs can be increased to 4096 with optional Networker software and SN100 nodes
- One or two VGA color monitor outputs as standard can be increased to maximum of four
- Three large backlit graphic LCD displays with context sensitive soft keys
- Hard disk for show storage
- Integral 3.5" disk drive
- 6 pages of individually programmable submasters, plus any submaster or supermaster can be configured as one of 6 user selectable function masters
- Dedicated tracker ball and rotary controls for automated light attributes when loaded with Tracker™ software
- Simultaneous digital and analog multiplex protocols
- Two split crossfade playbacks for software selectable single or twin playback operation
- 128 simultaneous playback fades supported
- Twin programmable Grand Masters and user selectable blackout/stop control
- Two proportional electronic patches
- 30 effects playbacks
- Multilingual support in English, Dutch, French, German, Italian, Russian, Spanish, Swedish

Strand 530/550 & 530i/550i Consoles

Transportable or installed memory lighting control consoles for use with either GeniusPro OS or Lightpalette OS operating system software and optional Strand application software packages and with powerful integrated moving light control capability. The 530 models are equipped with 24 Submasters plus a further 6 Supermasters while the 550 models have 48 Submasters plus 6 Supermasters. Both consoles come in standard 530 & 550 models or high channel capacity 530i & 550i versions

The operating system software chosen provides a base level of 100 intensity channels plus 100 color or motion attributes and can be increased at any time in increments of 50/50 or 200/200 to a maximum of:

530/550	1500 intensity channels plus 500 scroller/moving light attributes
530i/550i	2000 intensity channels plus 2000 scroller/moving light attributes.

Attribute capacity may be increased by re-allocating unused intensity channels. Future expansion of control functionality is designed into the system by means of a wide range of optional application software packages. (See separate data sheet for details)

Cat. No. Description

64514	Strand 530 Console
64520	Strand 530i Console
64518	Strand 550 Console
64522	Strand 550i Console

500 Series Consoles require Lightpalette OS or GeniusPro OS operating software, and a monitor minimum.

Peripherals & Accessories

Cat. No. Description

66015	Dual VGA Card for 500 Series
66011	VGA 14" Monitor - 110V
66013	VGA 15" FST Monitor - 120/230V
66014	VGA 10.4" Flat Screen Monitor - 100/240V
66210	Mini keyboard
66214	Designer's Keypad
66125	Radio Remote (902-928 MHz)
66121	Base Station (902-928 MHz)
66128	Wired Remote
66021	Printer - Inkjet 115V
66023	Printer - Laserjet 115V
66025	Printer - Color inkjet 115V
66034	Dust cover Strand - 530/530i
66035	Dust cover Strand 550/550i
66055	Flightcase for Strand 530/530i
66056	Flightcase for Strand 550/550i

Strand 500 Series Software

Cat. No. Description

Operating System Software	
67311	GeniusPro - Operating Software with 100/100 channels
67331	Lightpalette - Operating Software with 100/100 channels
67511	GeniusPro/Lightpalette 50 channel expansion
67513	GeniusPro/Lightpalette 200 channel expansion
67411	GeniusPro Off Line Editor (includes ShowPort™)
67431	Lightpalette Off Line Editor (includes ShowPort™)
67312	GeniusPro PC (OS for PC operation)
67332	Lightpalette PC (OS for PC operation)
67398	GeniusPro OS - Upgrade to V2.0
67399	Lightpalette OS - Upgrade to V2.0
Application Software	
67515	CommuniqéPlus (Communications application software)
67519	Networker (Ethernet application software)
67523	Tracker (Automated luminaire software)
67521	Server (Central file storage)

(for further details, please refer to software datasheets)

Operational Data

The operation of the 530/530i and 550/550i consoles depends on the operating system software chosen and the user's preference of additional operational functions available from a separate range of Application software programs (See software data sheets)

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 six context-sensitive soft keys. Level wheel adjusts channel levels. If Tracker™ software is included, the tracker ball and rotary wheels are activated to enable a single channel number reference (entered on the command keypad) to give immediate access to all attributes of an automated luminaire, or a scroller.
Playbacks	Two playbacks are provided, which may be configured for independent or combined operation, or condensed to a single playback. A rate wheel is provided to adjust the rate of progress of a lighting change. Each playback may have a separate cue sheet, enabling lighting cues to be run independently of motion cues, on separate playbacks, if desired. A total of 128 simultaneous fades are supported.
Macros	6 direct Macro keys are provided, with graphic LCD labels, with access to the maximum 999 via the keypad.
Effects	Up to 30 simultaneous effects from a total of 600 per show each containing up to 99 fully overlapping steps can be run from playbacks, macros, submasters or manually from the effects playback panel. Effects steps contain recorded intensity levels and attribute positions for scroller or moving light effects. Levels used can be as recorded or random between max and min levels, inserted or alternately inverted. Each effect step can use individually programmable In, dwell and out times or may use the effect defaults. Effects can stop when instructed, after the last cycle or after a defined number of cycles or time. Effects can be chained. Step control can be manual, timed or with CommuniqéPlus MIDI or audio. Effect, type, direction and speed can be modified while running and updated back into the effects memory if required.
Submasters	530/530i consoles are provided with 30 submasters; 24 plus 6 'supermasters'. 550/550i consoles are provided with 54 submasters; 48 plus 6 'supermasters'. Each submaster has a bump button, and two LED indicators to signal the status and activity of each submaster. Submasters may be used to mix memories, replay cues, including dimming and motion cues. The six Supermasters have adjacent labelling provided by an LCD display. Any submaster or supermaster can be configured to provide the following special master control functions: master all Submasters, Audio input, DMX input, Effects playbacks, Bump level, MIDI. If the Supermasters are used for a special function, the LCD display will show the function names selected.
Attribute Controls	A trackerball, three pushbuttons and four rotary controls provide direct access to color, pan and tilt, and up to 32 functions of an automated light by entering a single unit number. Color scroller control is available with the operating software. Automated light functions are only available with Tracker™ application software.
VDU Switching	The VDU keypad switches the VDU displays between channel, dimmer and cue information. They also provide control path routing to match the active VDU display.
On/Off	Main switch is provided on the front panel of the console.
Grand Masters	Two Grandmaster faders are provided, plus a programmable Blackout button for 'Blackout' or 'Stop'.
User Programmable Keys	7 additional keys are available for user programmable functions

Technical Specifications

Supply voltage	100V - 240V 50/60Hz, autosensing	
Processor	530/550	Intel® Pentium 133 MHz
	530i/550i	Intel® Pentium Pro 200 MHz
Memory	530/550	8Mb RAM, Internal 1Gb Hard drive
	530i/550i	16Mb RAM, Internal 1Gb Hard drive
Archive memory	3.5" floppy disk (DOS) or Hard Drive	
Control Capacity	530/550	100 to 1500 intensity channels 100 to 500 moving light/scroller attributes
	530i/550i	100 to 2000 intensity channels 100 to 2000 moving light/scroller attributes
Channel and attribute capacity is defined by the GeniusPro OS or Lightpalette OS operating system software plus the number of channel expansion blocks loaded. Control capacity may be upgraded at any time by additional software in 50 or 200 channel blocks. Dimming channels may be converted to provide more attributes, but attributes cannot be converted into more channels.		
Connections	4	DMX512 outputs (512 dimmers per port. Shared with DMX input. See below) 5 pin female XLR
	1	AMX192 output (192 dimmers) 4 pin male XLR
	1	D54 output (384 dimmers) 3 pin female XLR
	1	DMX Input (shared with DMX outputs) 5 pin male XLR
	2	Handheld remote ports
	1	Parallel printer port 25 pin female D-type
	1	MIDI (In/Thru/Out)
	1	Dimmer Overtemp 4 pin male XLR
	3	Auxiliary RS485
	1	Analog Inputs (12 0 to +10V) 15 pin D-type female
	1	Audio input shared with SMPTE Time Code, 10mV to 10V balanced 3 pin female XLR
	1	Keyboard
	2	VGA monitors (Optional 4 ouputs on 530i and 550i consoles) 15 pin female D-type high density
	1	Ethernet (optional. Card supplied with Networker™)
	1	Power inlet: IEC320 (male) 1 Power outlet: IEC320 (female) 4A max
	Control inputs	One DMX input (512 dimmers), and 12 analog inputs (0 to +10V). DMX inputs may be patched to DMX outputs with a scaling factor if required. Analog input signals are used for remote control of selected submasters.
Software	Operating Software Each 500 Series console require GeniusPro OS or Lightpalette™ OS providing control of 100 intensity channels and 100 scroller/moving light attributes. Capacity can be increased by 50 or 200 channel increments.	
	Application Software Control capability of the console can be expanded including: Tracker CommuniquéPlus Networker Server	
Printer	Support for Epson FX, IBM Proprinter, HP Deskjet, HP Laserjet, and ASCII are included in Operating Software.	
Standards Compliance	UL, cUL EMC emissions to EN50081-1, EN55014; EMC immunity to EN50082-1, IEC1000-2-2 Safety: EN60950, EN60439 Part 1 (also part 12 BS5486); Design & build: ISO9001, UL1950	

Environmental Data

Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage Temperature	-40° to 70°C (-40° to 158°F)
Location	Good office environment
Humidity	5% - 95% non-condensing

Mechanical Data

Construction	Galvanised sheet steel and aluminum extrusion. Flame retardant ABS controls.				
Dimensions and Weight		length	depth	height	weight
	530/530i	48"	24"	6"	99lb
		1220mm	610mm	150mm	45kg
	550/550i	58.5"	24"	6"	115lb
1485 mm		610mm	150mm	55kg	
Shipping Data		Packed Volume	Packed weight		
	530/530i	10.7 Cu.ft.	116lbs		
		0.304 m³	53kg		
	550/550i	16.6 Cu.ft.	154lbs		
0.47 m³		70kg			

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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