

STRAND 430 & 530™



STRAND 430 & STRAND 530 Low/Mid Range High Capability Console Platforms

- New concept memory lighting console range comprising two hardware platforms and a selection of operating and application software
- Integrated colour and position 'attribute' control
- Two versions: Strand 430 with operating software will control up to 350 channels and 250 attributes; Strand 530 will control up to 600 channels and 400 attributes
- Choice of disk-loadable software packages
- Custom configured user interface
- Context-sensitive functions
- Ethernet compatible for remote DMX and video
- Integral hard disk



Strand Lighting

STRAND 430™ & STRAND 530™ CONTROL SYSTEMS

Overview

Continuing from the successful GSX/LBX range of consoles with separate software packages, Strand announces the next phase of development - Strand 430 and Strand 530 platforms with either *Lightpalette®* or *Genius plus™* foundation software, and *Communiqué plus*, *Tracker™*, *Reporter™* and *Networker™* extension software packages to expand the system with communications, multi-attribute control, dimmer status reporting and Strand's *ShowNet™* Ethernet system.

The Strand 430 and 530 consoles bring innovative ideas to the mid-range of lighting controls with customer-selected software and an advanced capability for the integrated control of automation and color. The ability to control all functions of an automated spotlight simply by typing the single channel reference of the luminaire is called 'attribute control'.

The new consoles are available in two versions: the Strand 430 is based on an Intel 486 processor, and offers 30 submasters for controlling up to 350 channels, 250 attributes, and 1024 DX dimmers or scrollers; the Strand 530 is based on an Intel Pentium® processor, and provides 30 submasters for controlling up to 600 channels, 400 attributes, 1024 DMX dimmers or scrollers.

Each console is equipped with 24 conventional submasters plus 6 'supermasters' with LCD displays for special user-programmable applications; 2 automatic playbacks; three text/graphics LCD display screens; dedicated push buttons; context-sensitive and macro push buttons. Two wheels control channel levels and fade progress, and a tracker ball and four attribute wheels are included for optional control of automated luminaires, when additional software is loaded.

Software

Strand's concepts of separating the console hardware and software offers many advantages. Software can be chosen from an expanding range to tailor the system at a price to suit any budget. As software development continues, or as requirements change, the Strand 430/530 adapts when the extra software is loaded. The Strand solution provides a route to future upgrades and expansions at realistic prices.

Software is offered at two levels - foundation operating software and application software. Two Foundation packages are available. *Lightpalette®* will be a familiar style of operation to *Lightpalette* 90 operators. *Genius plus* is the progression from Strand's popular *Genius* software for the GSX and LBX entry-level controls. Both of these packages include comprehensive lighting control features and special effects:

Intensity and color scroller control. Mux output DMX 512, AMX 192 or D54. 2 soft (programmable) dimmer patches. 600 Cues in memory with cue numbers 0.1 to 999.9 available. On-line prompts and help screen. Real time date and clock on screen. Intensity channel control facilities. Recording & updating of cues and submasters. Single or dual

(HTP or LTP) manual or timed playback for up to 99 simultaneous fades with separate fade and delay times. When in dual playback mode, playbacks can follow separate pointers in the same cue sheet. 6 pages of 24 programmable submasters, configurable to normal, independent or inhibitive operation. Integrated special effects with Chase, Build, Cycle, Flicker and Random effect types. 80 effects memories. Auxiliary control of effects from audio or MIDI input. Step time & effect fade in time override with wheel. Audio/MIDI sensitivity control with wheel. Macros triggered by audio input. Submaster used as audio input master. '@ Color' facility to select scroller color frames directly. Color channels with frame numbers on screen. Combined intensity and color instructions from the channel control. Intelligent Color Control software manages potential conflicts between submasters, playbacks, channel control and Grand Masters to avoid unwanted scroll resets. Show storage & retrieval using 3.5" disk. Support for full-function Designer's Remote. Multiple monitor displays including 'on-line help' screen. Support for popular printers: HP, Epson & IBM.

Foundation software is available in a 100 channel, 100 attribute starter pack, with expansion to give the following Channel/Attribute sizes:

Strand 430:
100/100, 150/150, 200/200, 250/250, 300/250, 350/250

Strand 530:
100/100, 150/150, 200/200, 250/250, 300/250, 350/250, 400/400, 500/400, 600/400

Application Software is optional, and adds functions specific to the system. Software packages planned include *Communiqué plus* an optional software package to extend the *Lightpalette* or *Genius plus* foundation software to include communications protocols to operate with other DMX consoles, remote controls, and central 'event' controllers. Features include:

Up to 12 external submasters or macro switches. Supermaster control for DMX IN. Macros triggered by configurable MIDI input, or configurable RS232 ASCII serial input. Interface for DMX IN (channel or dimmer modes) from a remote DMX controller. RS232 for remote ASCII control. 12 remote +10V analog inputs for submasters or macros. MIDI Show Control, MIDI In / Thru / Out, MIDI for tracking backup with another console, plus configurable MIDI "GO" command.

Other application packages include:

- *Reporter* - a dimmer status reporting and configuration package for the Strand CD80 Supervisor, EC90 Supervisor and LD90 dimmers
- *Networker* - the software package for Strand's *ShowNet™* Ethernet network for remote VGA monitors and signal distribution
- *Tracker* - Multi-attribute Control software package which provides fast access to all attributes of a scanner or moving light by reference to one channel number only, and includes features for recording and replaying the attributes as separate parts of a cue list.
- An Off-line editor program to prepare memories and system configurations on a remote PC will also be available.

Personality Programming

The software packages available for Strand 430/530 are in English, German, French, Spanish, Italian and Swedish. Alternative operator interface styles within both *Lightpalette®* and *Genius plus* allow the user to choose personal styles of channel control, recording and playback and styles of channel display.

Channels used for scrollers, non-dims, and proportional patching of channels are all custom programmable.

Concise Specification

General

Channel and Attribute Controls

2 playbacks
(software selectable to single or dual operation)

10 effects playbacks

24 submasters

6 custom-selectable supermasters

Context-sensitive soft function keys

3 graphics LCD displays on console

One or two SVGA color monitors

On-line help

Clock

MS-DOS compatible 3.5" disk drive

Universal 100V - 240V 50/60Hz power supply

Dimensions

width: 1220mm (48") height: 150mm (6")
depth: 610mm (24") weight: 44kg (97lb)

Capacity

	Strand 430 Intel 486DX2 Processor	Strand 530 Intel Pentium Processor
Max dimming channels	350	600
Max attributes	250	400
Max Mux outputs	1024	
Max DMX inputs	512	
Max cues per show	600	
Automatic / manual playbacks	2	
Dedicated rate override wheel	1	
Submasters	24 x 6 pages	
Supermasters	6	
Effects playbacks	10	
Macros	10 (with initial release)	
VGA monitor outputs	2	
User programmable Grand Masters	2	
User programmable Stop key	1	

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