530i™
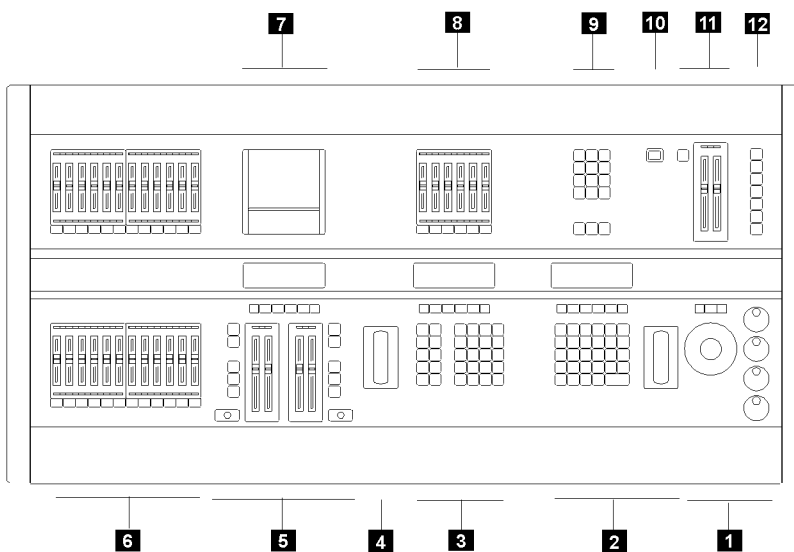# *High capability control consoles*

Features

❑ Lighting control console with flexibility of user selectable channel capacity, operating style and application programs

❑ Powerful integrated moving light capability

❑ Choice of both GeniusPro™ preset style operation and Lightpalette™ command line/tracking style operation on all consoles

❑ 24 Submasters plus 6 Supermasters

❑ Upgradable channel capacity

❑ Operating software controls a maximum of 2000 intensity channels and 2000 scroller or moving light attributes

❑ Intel Pentium® II processor

❑Full tracking backup between 2 consoles, or a console and a backup PC

1 Tracker ball, rotary controls and option keys for moving light control
2 Command keypad, multi-function 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 or extra submasters
9 Display and command routing keypad
10 Power On/Off
11 Grandmasters and 'stop' button
12 User programmable keys

Mechanical & environmental data

Construction   Galvanised sheet steel and aluminium extrusion. Flame retardant ABS controls
Operating Temperature 0° to 40°C ambient (32° to 104°F)
Storage Temperature   -40° to 70°C (-40° to 158°F)
Humidity   5% - 95% non-condensing

Weights and dimensions

length	depth	height	weight	packed vol	packed weight
1220mm	510mm	150mm	45kg	0.304m²	53kg

❑ Intensity channels may be converted to additional attribute channels if required

❑ Console capability can be expanded through a range of powerful application software packages

❑ 2048 DMX outputs (4 DMX universes) can be increased to 4096 (8 DMX universes) with optional Networker software and SN100 nodes

❑ One or two VGA colour monitor outputs as standard can be increased to maximum of four using optional dual VGA card

❑ Three large backlit graphic LCD displays with context sensitive soft keys

❑ Hard disk for show storage

❑ Integral 3.5" 1.44 MByte floppy disk drive

❑ 6 pages of individually programmable submasters, plus any submaster can be configured as one of 6 user selectable supermasters

❑ Dedicated tracker ball and rotary controls for advanced light control with Tracker™ software

❑ Simultaneous digital and analog multiplex protocols

❑ Two split crossfade playbacks for software selectable single or twin playback operation

❑ 200 simultaneous playback fades supported

❑ Twin programmable Grand Masters and user selectable blackout/stop control

❑ Two proportional electronic patches

❑ 30 effects playbacks

❑ 1000 user definable macros

❑ Multilingual support in English, Dutch, French, German, Italian, Russian, Spanish, Swedish

Technical specifications

Supply voltage
100V - 240V 50/60Hz

Processor
Intel® Pentium II

Memory
64Mb RAM

Archive memory
3.5" floppy disk (DOS), internal hard disk drive

Connections

3	DMX512 outputs (512 dimmers per port.) 5 pin female XLR.
1	DMX 512 input or output 5 pin male XLR
1	Ethernet interface 10BaseT or 10Base2
1	AMX192 output (192 dimmers)4 pin male XLR
1	D54 output (384 dimmers) 3 pin female XLR
2	RS-232 ports 9 pin male D-type
1	Parallel printer port 25 pin female D-type
1	MIDI (In/Thru/Out) 5 pin female DIN
3	Auxiliary RS485/RS232 hand held remotes 6 pin female XLR
12	Analogue Inputs (0 to +10V) 15 pin female D-type
1	Audio input shared with SMPTE Time Code, 10mV to 10V balanced 3 pin female XLR
1	Keyboard
2	VGA monitors (Optional 4 VGA monitors) 15 pin female D-type high density
1	Power inlet: IEC320 male
2	Gooseneck lamp outputs 3 pin female XLR

Standards Compliance

UL, cUL (75AJ) 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

Operating software

500 series console kits come equipped with powerful operating software providing refined lighting control. Additional channel capacity and advanced functionality is added with Strand application software.

Control capacity

530i supports up to 2000 intensity channels and 2000 moving light/scroller attributes. Channel and attribute capacity is defined by the 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. Intensity channels may be converted to provide more attributes, but attributes cannot be converted into more intensity channels.

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. With Tracker™ software, 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 200 simultaneous fades are supported.

Macros

7 dedicated 'P' keys are available for user macros. The centre LCD soft keys and the user key in the command keypad are also programmable. All 1000 macros are available from 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, inverted 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 CommuniquéPro) MIDI or audio. Effect, type, direction and speed can be modified while running and updated back into the effects memory if required.

Submasters

530i consoles are provided with 30 submasters; 24 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 colour, pan and tilt, and up to 99 attributes of an automated light by entering a single channel number. Colour scroller control is available in the same way. Attributes can be recorded in cues or in preset focus groups which cues can reference. Automated light functions are only available with Tracker™ application software.

Display Switching

The display keypad switches the VDU displays between channel, dimmer and cue information. They also provide control path routing to match the active VDU display.

Grand Masters

Two Grandmaster faders are provided, plus a programmable Blackout button for 'Blackout' or 'Stop' attributes or both.

Printer

Support for Epson FX, IBM Proprinter, HP Deskjet, HP Colour Deskjet, HP Laserjet, and plain ASCII is included in Operating Software.

Application software

530i consoles include all these application software packages as standard.

Tracker Application Software

Tracker adds fully-integrated moving light control to 500 Series consoles. Intuitive controls, displays, preset focus reference groups, auto move when dark, fixture libraries and dual automoving playbacks make Tracker™ easy and fast to use.

Networker Application Software

Networker and SN100 Series Ethernet nodes support control of up to eight DMX universes. SN100 Series nodes can be used as part of a fully-integrated tracking back-up control system, automatically switching the DMX data source from the main to the back-up when the back-up console or PC comes on-line. Combining Networker and Server, up to five users can work simultaneously on the same show. Channels can be partitioned between users to prevent accidental changes. DMX Ports on SN100 series nodes are configurable. You can change a DMX port from an output to an input, or change its address, without patch cables or rewiring. Flexible remote video is provided.

CommuniquéPro Application Software

CommuniquéPro provides 12 remote +10V analogue inputs for external submasters or macro switches; interfaces for DMX In (channel or dimmer modes) from remote DMX controllers; super master control for DMX In; macros triggered by configurable MIDI input, or configurable RS-232, ASCII serial input; RS-232 for remote ASCII control; MIDI Show Control; MIDI In/Thru/Out, plus a configurable macro trigger output port.

Optional application software

Server Application software

Turns a Windows PC into a comprehensive show file server permitting consoles or PCs running Networker to store show files on the server. Also adds user logins with password protection and access rights. A powerful login display provides easy changing between main, backup and remote console modes.

Utility software

Off-line Editor

A real time stand-alone program for a 486 or higher PC using MS-DOS to emulate the operational features of a 500i Series console.

ShowPort

A DOS utility supplied with the operating software and off-line editor to convert show files between Strand Show File format and industry-standard ASCII Light Cues and comma-separated text formats, for transferring shows to and from other consoles.

ShowNet

A Windows 95™ utility to co-ordinate the configuration of SN100 series nodes. Provides named DMX universes, ports and site files. Downloads configuration files over the network.

Ordering information

Cat No Description

91394   530i console with 350 intensity channels and 250 attribute channels*
91395   530i console with 800 intensity channels and 500 attribute channels*
Includes Tracker, CommuniquéPro and Networker

Software

Cat No   Description

Operating Software
67311   GeniusPro Operating software with 100/100 channels
66751   Lightpalette/GeniusPro 50 channel expansion
67513   Lightpalette/GeniusPro 200 channel expansion
67411   GeniusPro Off Line Editor (includes ShowPort™)
67312   GeniusPro PC (OS for PC operation)
67526   ShowNet Configuration software

Application Software
67515   CommuniquéPro Communications application software)
67519   Networker (Ethernet application software)
67523   Tracker (Automated luminaire software)
67521   Server (Central file storage software)

Peripherals and accessories

Cat No   Description

66021   Printer Inkjet B & W - 110V
66023   Printer Laserjet B & W - 110V
66025   Printer Inkjet Color - 110V
66121   Base station US (902-928 MHz)
66125   R130 Hand Held Remote US (902-928 MHz 110V)
66128   R130 Hand Held Remote wired
66210   Mini keyboard US
66013   Monitor 15" SVGA - 110/230V
66014   10.4" Flat Screen Monitor 110/240V
66015   Dual VGA card
66032   Dust cover for 14" monitor
66214   Designer's Keypad
66219   Gooseneck lamp (1)