CONSOLES

A compact, powerful console for professional lighting

Spark4D (**item code 127-001**) is a lighting console designed to control 1536 DMX channels thru its three DMX outputs. The 1536 DMX channels can be flexibly aligned to control up to 250 moving-lights, conventional dimmers, color changers, and other DMX devices.

Integrated programming tools, playback controls and advanced editing tools makes the Spark4D into a very powerful tool for every application - from architectural lighting, thru tradeshows, TV shows and theater, and up to live shows -Spark4D is THE tool.

Spark4D is prefect whenever quick results and flexible playback control is needed. With Spark4D nothing gets lost thanks to an integral hard-disk (optional) featuring Auto-Save to protect your data. All data can also be saved to the integral floppy disk or remote file server via Spark4D's Ethernet support.

Connectivity with WYSIWYG and CompuCAD simulation software enableS full pre-programming of your show off-stage, and generation of powerful rendered images of your simulated stage and lighting.

The full Ethernet support of the Spark4D allows users to distribute all DMX512 outputs, MIDI & MSC, remotely control and monitor the console, and display system screens. This can be achieved using Compulite's range of Ethernet nodes -CompuLINK, VideoLINK, and E-Mix (Ethernet-DMX converter).

FEATURES

- Spark4D supports up to 1536 DMX512 channels, using 3 DMX512 connectors.

- The DMX outputs may be flexibly aligned to control channels, scrollers, moving-lights, and other DMX controlled devices.

- Main Playback includes an automatic dipless split-crossfaders with illuminated Go button, LED displays for current and incoming memories, and dedicated control keys for various functions.

- 20 Controllers/Chasers supporting memory ranges loops as chasers, group, memory, and submaster assignments for manual or automatic fades.

- General master with blackout switch.

- 20 soft-keys enabling direct access to snaps, macros, controller/chasers, effects, palettes and more.

- Spark4D editing interface includes 3 banked wheels with graphic LED displays for dimmer intensity control and moving-light parameters manipulation, and trackball for moving-lights pan/tilt control.

- Up to 100 Cue lists (Q-lists) containing more then 1000 memories each ranging between 0.1 and 999.9 and supporting Loops and Links between them.

- Memories can be divided to up to 9 Parts, each containing any combination of channels, scrollers, and moving-lights with its own fade and wait time.

- 3 Libraries holding up to 99 entries each provides a tracking Database for focus points (Position Library), colors (Color Library) and beam states (Gobo Library).

- Palette database may hold up to 999 entries and provides a non-tracking data-base for any parameter value combination.

- 999 Selection Groups of spots, scrollers, and channels can be stored for one press selection.

- Effect editor for creating complex movements in seconds and an extensive Bundled Effects package stored on the hard drive. Up to 999 effects may be stored in the system memory.

- Fan for quick fixture alignment in various fan patterns.

- Up to 99 Snaps provide snapshooting

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capabilities of the boards' playbacks state, and Submasters including assignments and running state.

- 999 Powerful Macros can be created to simulate any key sequence and triggered via soft-keys, memories, MIDI, SMPTE, DMX-in channels and more.

- Event for complex playback operations can be programmed to be triggered by memories or SMPTE time-code.

- Text tags may be added to any user data from libraries to show files via the optional Multi-lingual Text Keyboard.

- Look-Ahead function moves spot parameters and scroller value to their next programmed location automatically before the fixture's dimmer is turned on.

- Chasers may be manually taught beat pulses and played back by assigned beat or by assigned rate.

- Scheduler for scheduling one time or repeating macros, events and snaps executions according to dates, weekdays and hours or according to intervals.

- Moving-Light Types (Devices) can be selected from an extensive library on the system's hard-drive. Devices may be edited from name to wheel-banks assignments including parameters behavior, default values (Home) and more.

- Multi-layer patching enables user to distribute the logical channel configuration from 1 - 1536.

- 2 live editors + a blind editor for multi-tasking editing and editing blindly in live situations.

- All data can be archived to the integral floppy disk drive or via Ethernet to a remote file server on a PC.

- Full CAD support for CompuCAD and Wysiwyg including 3D simulation of the stage and spots parameters manipulation in real-time for both software.

- Direct output to a parallel printer, prints memory sheet, memory contents, Libraries, Macros, and more.

- Ethernet communication featuring full Remote Control of the console, DMX Distribution, Displays Distribution and Remote File Server.

- A display screen featuring various live data, exam displays of any data, and much more.

- Support for LCD monitors.

- 1 dimmable desklight.

OPTIONAL FEATURES

- Hard Disk featuring quick AutoSave without interrupting console operation (**item code 127-099**)

- 2 Mb battery Ram (**item code 127-098**)

- Spark4D/LX (**item code 127-002**) provide the following additional features:

  - MIDI - standard IN/OUT/THRU, MIDI Show control (MSC) and MIDI over Ethernet - all for interfacing and syncing with other MIDI controlled devices, Master/Slave operation of two consoles

  - Internal SMPTE clock for triggering Memories, Events and Macros

  - DMX Input

  - Remote Bus interface

- Sound-To-Light for chasers (**item code 190-012**)

TECHNICAL SPECIFICATIONS

Power Supply

In 100-240 VAC 50/60 Hz/30w

AC In/Thru (for monitor)

Dimensions

Width: 63 cm (24.8")

Depth: 35 cm (13.7")

Height: 10.5 cm (4.3")

Weight: 6.8kg. (15 lb.)

Connectors

Mains power input

Mains power output (for monitor)

Mains switch

3 DMX outputs

1 SVGA output

Alphanumeric keyboard

Ethernet 10Mbit/10BaseT

Parallel printer port

1 Desklight connector - 12v

1 Serial RS-232

DMX input (LX model)

MIDI In/Out/Thru (LX model)

SMPTE input (LX model)

Remote bus (LX model)

ACCESSORIES

- CompuLink (**item code 192-021**)

- VideoLink (**item code 158-018**)

- E-Mix / E-Mix2 (**item code 158-017/19**)

- Universal Cable Remote Control (**item code 193-007**)

- Universal Wireless Remote Control (**item code 193-008**)

- Macro Extension Keyboard (**item code 192-015**)

- 20 Submasters extension wing (**item code 192-014**)

- CompuCAD (**item code 192-026**)

- Alphanumeric text keyboard

- Parallel printer

SP4-0901

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