VISION 10/ST
+ *ISIS*® Software

Light, Colour, Movement …
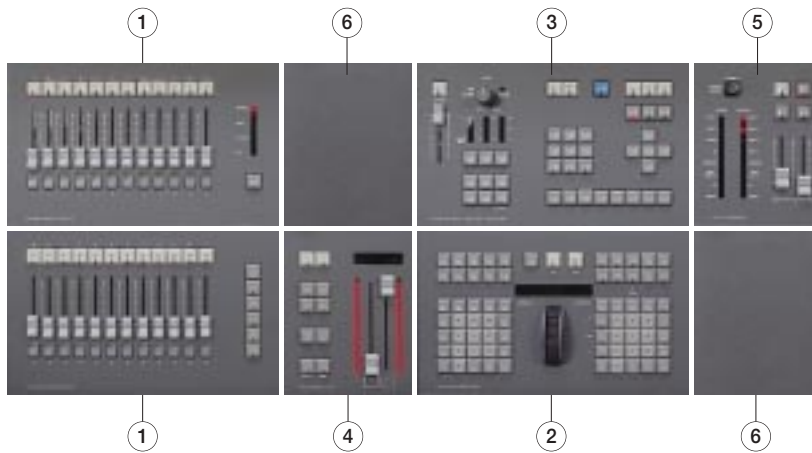
… total control,
with two consoles
in one

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VISION 10/ST - Two Consoles in One

For total Control of Light, Colour and Movement
in Theatres and Television Studios

Eight interchangeable modules make up the front panel of the basic system

1- 2 modules of 12 submasters with flash-keys, selection-keys and manual faders allowing the creation, recording, and playback of lighting cues, as well as playback of special effects

2- 1 channel/memory selection module with 2 separate keypads and intensity control wheel

3- 1 special effect and general function module (menus, macros, monitors, …)

4- 1 playback module with crossfade (stage and preset), sequential or not, manual or automatic

5- 1 master module with grand master, auditorium master and blackout key

6- 2 empty modules for expansion of the system with extra optional modules

The front panel also features a display panel showing the contents of the submasters, the active work field and its contents, and the clock.

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Major User Benefits

- a system with fully integrated control of intensity, motion, colour and any other parameter
- a motion control module equivalent to a second console
- possibility of customising front panel controls and personalising software
- identical response time for control of 100 or 1000 channels
- hard disk system so powerful that capacity and speed become problems of the past
- direct control of and access to any element at any time
- elegant design and high level professional finish

Major Options

- 48 submasters
- second playback module
- 4 SVGA monitors
- motion control
- HF or IR remote control
- Ethernet network
- Extension to 1600 or 2048 channels

Main operating Features of the Basic System

- 1024 channels for controlling luminaires, colour changers and moving lights, expendable to 1600 or 2048 channels
- 1024 Dimmers/Parameters expendable to 2048 (2 DMX outputs expendable to 4) with proportional patch
- 512 inputs expendable to 1024 (1 DMX input expendable to 2) with proportional patch for injecting/merging values for luminaires, colour changers and moving lights
- Unrestricted allocation of luminaires, colour changers and moving lights to channels and DMX outputs (a 20 parameters moving light requires 1 channel only but 20 DMX outputs)
- 9999 lighting memories integrating values and times for luminaires, colour changers and moving lights
- Possibility to allocate to any luminaire or colour changer / moving light parameter specific times for building complex crossfades. All channels / parameters can run different fade times simultaneously

(continued)

- Possibility to load, record and copy only specific parts of a lighting state
- Advanced blind editor for creating or modifying memories
- Sequence and playback managers for building or editing sophisticated sequences of memories or events
- 999 groups
- 99 chasers of 99 steps for luminaires, colour changers and moving lights
- Library of 20 pre-programmed effect patterns for building up to 99 special effects
- 99 loops of memories
- 99 banks of submasters
- 999 libraries for colour changers and moving lights
- Pre-programmed device definitions for colour changers and moving lights
- User-friendly managers for editing any piece of data
- Possibility to configure separately each submaster and each flash key
- Show manager to save, load, copy, rename and delete shows
- Data storage on hard disk and archiving on 3.5" floppy disks
- 99 Macros for direct use or linked to the sequence, to keys, external lines or MIDI events
- Software and On-line Help with hypertext links in several languages

Technical Characteristics

- PC-type architecture based on Intel Pentium III processor
- audio IN connection
- 1 DMX512/1990 input with galvanic isolation
- 2 separate DMX512/1990 outputs with galvanic isolation
- 1 RS 232 input
- 1 alphanumeric keyboard input
- 10 remote trigger inputs
- 2 SVGA outputs (optional third and fourth)
- 1 parallel printer port
- integrated 3.5" disk drive
- hard disk

Lighting control system with identical operational capabilities as VISION 10 / ST, without front panel, for use in a 19" rack or as a tower.

It contains a CPU card, a power supply, an input/output card and keyboard entry. The standard version includes a monitor and an alphanumeric keyboard to provide access to all the functions of the main system.

The Kit 5/V option allows user friendly operation of the back-up from the front panel of VISION 10/ST.

Two back-up modes are possible :

Level 1 - Floppy Disk Reader
The data created, functions programmed, assignments and memories recorded in the main console are loaded into the other system by means of a 1.44 Megabyte floppy disk. The two systems (main console and back-up) are not synchronised.

In case of problem with the main console, as long as all the data has been loaded into the back-up, the operator can continue the show using the back-up's alphanumeric keyboard.

Level 2 - Ethernet synchro
High speed Ethernet synchro with automatic change over between master and slave control desks.

Ethernet Synchro line

Via the Ethernet synchro, it is possible to link in real time any console of the VISION 10 family with ISIS® to another VISION 10 or Phoenix with ISIS® system, which then becomes the back-up.

For a perfect back-up, the second system must be fitted with the same options as the main console.

The second system may be:
- a VISION 10/ST
- a VISION 10/RB
- a VISION 10/CO (see relevant brochure)
- a Phoenix family desk

The user can thus choose the solution which suits his/her particular needs best.

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MC/V - (Motion Control)

A control module for moving lights and other instruments controlled by a DMX signal

The operating power of this module makes it a console in the console

PB2/V

A second playback module with crossfade (stage and preset), sequential or not, manual or automatic

KIT 1 / V

Electronic card with:
- DMX out 1 bis : copy of DMX 1 output (dimmers 1 to 512)
- DMX out 2 bis : copy of DMX 2 output (dimmers 513 to 1024)

KIT 2/ V

Electronic card with:
- DMX out 3 : dimmers 1025 to 1536
- DMX out 4 : dimmers 1537 to 2048
- DMX in 2 : inputs 513 to 1024

KIT 3 / V

Electronic card with:
- IR 1 : infrared remote control line 1 (maximum 4 receivers connected to the line)
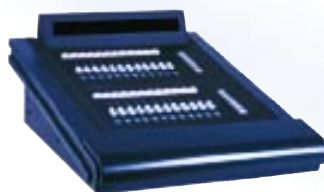- IR 2 : infrared remote control line 2 (maximum 4 receivers connected to the line)

KIT 5 / V

Electronic card with:
- Front Out : interface between main desk's front panels and the VISION 10/RB back-up system

SUB 24 / EX

24 extra submasters in stand-alone enclosure

KIT / VGA4

Kit for 2 additional SVGA monitors

SELECTOR / V

DMX line selector switch in stand-alone enclosure

Extensions

Extension to 1600 channels (requires Kit 2)   1600/V
Extension to 2048 channels (requires Kit 2)   2048/V

Remote Control Systems

Infrared Remote Control

Compact, hand-held wireless remote access to main VISION 10 desk functions via infrared transmission.
The system allows up to 8 IR receivers to be connected via two separate communication lines.

Main functions available:

- channel level setting
- retrieving memories via access to playback module
- running preprogrammed macros
- operating on groups of channels
- testing individual luminaires
- black-out function
- return to previous lighting state

HF Remote Control

Compact, hand-held wireless remote access to main VISION 10 desk functions via high-frequency transmission.
The system allows up to 4 HF receivers to be connected to VISION 10's RS232 port. With multiple receivers, special configuration via standard PC is needed.

The system permits to
- select channels individually or in groups and attribute intensities in %, at 100%, at 0%
- call / retrieve memories and groups
- clear the last operation
- erase selections
- remote control the playback (GO, GO BACK, CUT)
- call macros (pre-programmed on VISION 10)
- go back to the previous lighting cue
- activate the BLACK-OUT function
- test and isolate individual channels (TEST)

A back-lit character display offers an overview over the last key sequences.

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VISION 10/ST

VISION 10/ST Expandable Basic System

supplied with :

- 2 15" SVGA monitors type MON/V
- 1 alphanumeric keyboard
- Supply and connecting cables
- 2 Worklights
- 1 Printer output, 1 mouse input
- 2 SVGA outputs
- 2 DMX outputs (1024 dimmers) / 1 DMX input (512 inputs)
- Full ISIS® software and operating system for 1024 channels
- Ethernet port, IR and HF input, Audio, MIDI, External lines, RS 232
- 1 dust cover + 1 instruction manual

VISION 10/RB Stand alone Back-up System

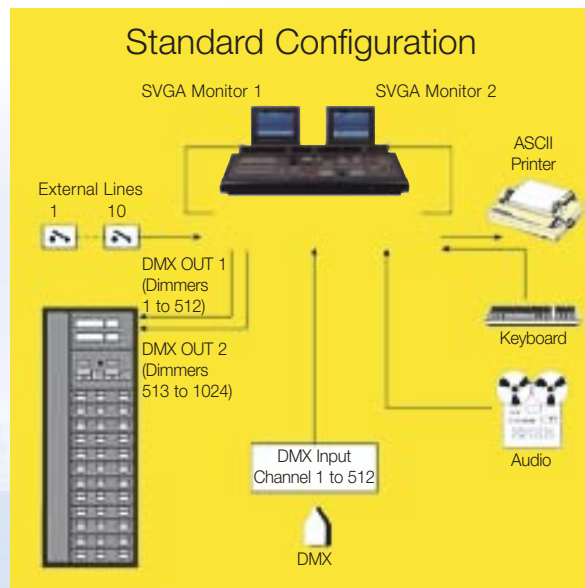Central Electronics for use in 19" rack or as tower supplied with :

- 1 15" SVGA monitor type MON/V
- 1 alphanumeric keyboard
- Full ISIS® software and operating system for 1024 channels
- Supply and connecting cables
- 1 Printer output, 1 mouse input
- 2 SVGA outputs
- 2 DMX outputs (1024 dimmers) / 1 DMX input (512 inputs)
- Full ISIS® software and operating system for 1024 channels
- Ethernet port, IR and HF input, Audio, MIDI, External lines, RS 232
- 1 instruction manual

Technical Characteristics

Power Supply : 230 V, ± 10 % (115/230 automatically selected), 50 - 60 Hz

Consumption : 150 W (Desk)
120 W per monitor

	Dimensions (mm)	Weight (kg)
VISION 10 / ST	1120 x 600 x 270	35
VISION 10 / RB	6U x 19" x 520	18
Monitor MON / V	356 x 380 x 348	11.3

Standard Configuration

SVGA Monitor 1 SVGA Monitor 2
ASCII Printer
External Lines 1 10
DMX OUT 1 (Dimmers 1 to 512)
DMX OUT 2 (Dimmers 513 to 1024)
Keyboard
DMX Input Channel 1 to 512
Audio
DMX

Accessories

•	SVGA 15" monitor, same colour as desk	**MON/V**
•	SVGA 17" monitor	**MON17/P**
•	SVGA monitor LCD TFT	**LCD/P**
•	Parallel printer with cables	**PRINTER 10**
•	Inkjet printer + cable	**INKJET/P**
•	Laser printer + cable	**LASER/P**
•	Mouse + ADB pad	**MOUSE/V**
•	Flight case for VISION 10 / ST	**FLY/VS**
•	Flight case for VISION 10 / RB	**FLY/RACK/V**
•	Flight case for 15" monitor	**FLY/MON/V**
•	Flight case for 17" monitor	**FLY/MON17/P**
•	Flight case for LCD monitor	**FLY/LCD/P**
•	Support frame for keyboard	**SUP/KEY**
•	Kit for VISION 10 / RB - 19" rack mounting	**KIT/FIX/V**
•	SVGA video extension cable (4.5 m)	**VGA/EXT/P**
•	HF transmitter	**EMHF/V**
•	RS 232 HF receiver	**REHF1/V**
•	Infrared transmitter	**EM/V**
•	Infrared receiver	**RE/V**

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