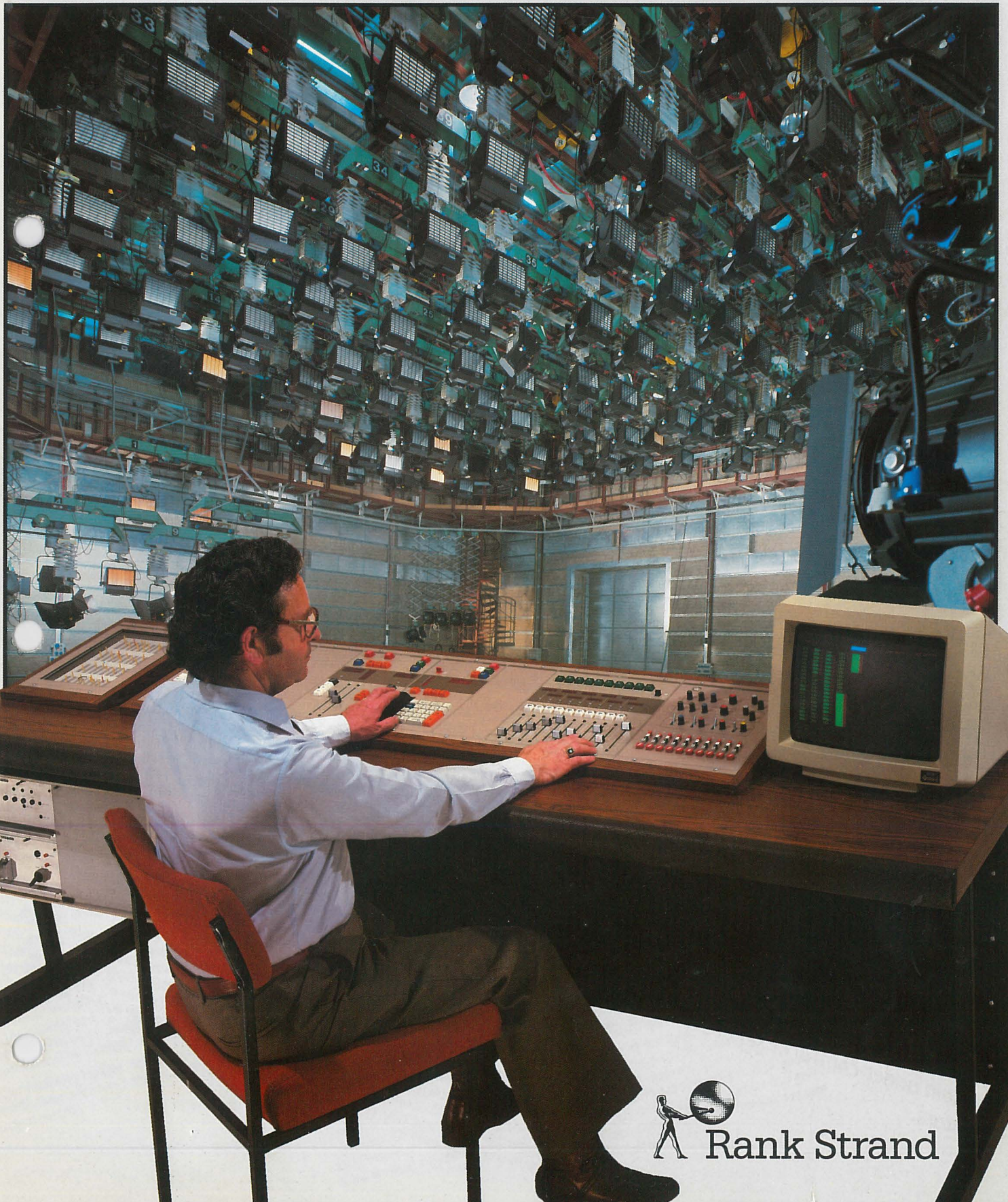


TELEVISION MEMORY LIGHTING CONTROL

GALAXY2

STUDIO



Rank Strand

GALAXY 2 STUDIO – THE MOST ADVANCED MEMORY LIGHTING CONTROL TODAY FOR THE TV STUDIO

The successful Galaxy system is already well-proven with major TV broadcasting companies worldwide. The introduction of Galaxy 2 Studio marks a further advance in sophisticated memory lighting control developed specifically to meet the unique requirements of television. It incorporates the extensive experience of Rank Strand in lighting and control systems based on the latest microprocessor technology. Compact, responsive and easy to operate, Galaxy 2 Studio controls up to 768 channels and offers the TV lighting director and operator the widest range of facilities, options and control flexibility.



TELEVISION MEMORY LIGHTING CONTROL

DESIGNED FOR TV

Specially-developed studio playback and TV program with comprehensive recording facilities and added channel control features – to suit production of news, drama, light entertainment, and outside broadcasts.

MODULAR VERSATILITY

The wide range of modules makes possible a fully customised system, and panels can be duplicated to expand facilities – all units are compatible with other Galaxy 2 systems.

MULTIPLE CONTROL

The main control panels, studio floor control, riggers and designer's units all combine to operate the system simultaneously, but independently of each other. This means that two separate sets can be lit in the same studio at the same time.

'BEST OF BOTH' PHILOSOPHY

'Latest takes precedence' playback and channel control for quick logical overriding of lighting levels – 'highest takes precedence' preset masters mean ten memories remain under control of separate masters.

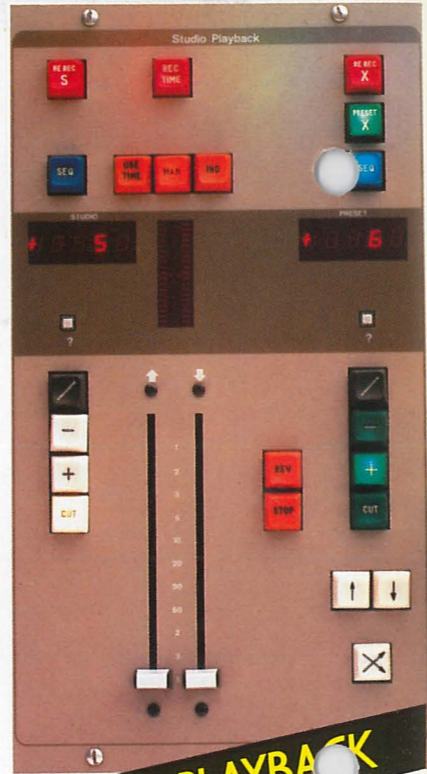


MEMORY AND OUTPUT

This panel provides the master controls for desk power, memory number selection, memory recording and clearing, output mastering and VDU display selection. Security Keyswitches are used to switch the desk on, or into Standby – the tamperproof position when current studio lighting is held, but the controls are inoperative – and to protect the memory from inadvertent recording. Part or all of the memory can be cleared using the record keyswitch in conjunction with the record button.

Lighting states may be recorded out of sequence using decimal point memory numbering (0.1 to 999.9) selected by keypad, or with the LINK facility between blocks of memory. Any consecutive block of ten memories can be instantly transferred to the ten preset masters, using the 'thru' button on the keypad. Separate record buttons are provided for the total output of the system including the effect of output master fader and any live presets; and for individual content from preset master stores; and for the output of the playback live store. Other recording facilities are available using playback and channel controls.

The colour VDU can be switched to display total studio output, content of any selected preset, memory list, content of Automod store and alpha keyboard. Two master faders control the studio and preset outputs of the studio playback, and there is an overriding blackout switch. Other controls include selection of Automod, isolating riggers control and formatting of VDU display.



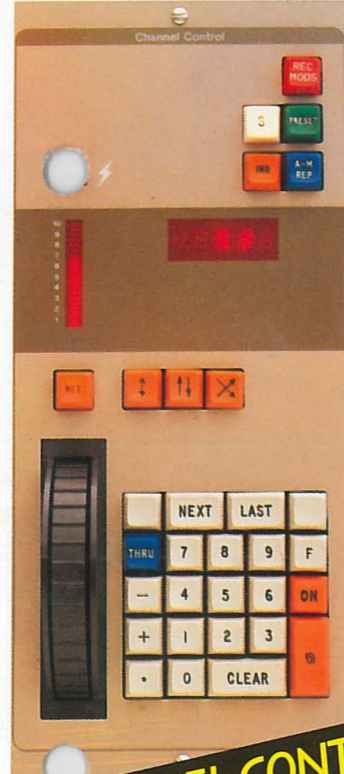
STUDIO PLAYBACK

The recorded lighting states are recalled by this control panel, from where the change to the current studio lighting is made either manually or automatically.

At least one Studio Playback is required, although up to four can be fitted to the Galaxy 2 system.

The panel provides a separate studio and preset store which are individually mastered by faders sited on the Memory and Output panel. Memories can be recalled directly into either store using CUT, added to the existing lighting with +, or subtracted from the Studio by -. Several memories can be combined in the present store prior to fading up in the Studio.

Two longscale faders are provided for manual fades between preset and studio, or for setting the time of an automatic fade. Any change made to the channel levels of a memory after transfer to the studio or preset can be instantly re-recorded on the same memory number.



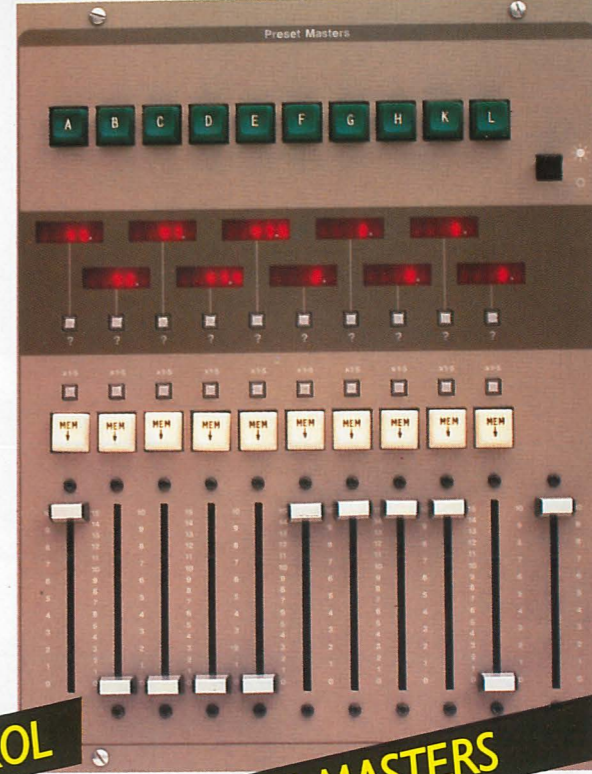
CHANNEL CONTROL

The Channel Control panel adjusts the intensity levels of all the lighting units during setting up or the modification of previously recorded lighting states. One panel is required in each control pod, although Galaxy 2 can accommodate up to four panels working simultaneously. Two channel controls are commonly specified to adjust and balance two separate groups of lighting at the same time.

The channel numbers are entered on the keypad and the levels adjusted by means of the fader wheel or the keypad. A separate reference 'starting' level – updated whenever the channel is recorded – is provided for every channel using the 'on' button.

Groups are made up from individual channels, pre-recorded memories or any mix of both. The panel can be selected to control channels in the studio or in any preset store. Channels under control are displayed on the colour monitor in inverse video. The contribution of the channel control to a lighting scene can be independently recorded. Existing memories can be modified without recalling them for adjustment.

Other facilities provided include Automod, lamp identification, return to previous settings and independent control.



PRESET MASTERS

Ten memories or groups of channels under the control of separate master faders can be held for balancing prior to recording, or for live mixing of lighting states. All faders interact on the basis of the highest level taking precedence for common channels. Memories may be transferred individually, or 'gang-loaded' as a sequential block across several faders. Each preset fader has an associated numeric display which indicates the memory number under control. The display also indicates the presence of multiple channels or memories.

There is a selector switch for each preset for routing to a channel control, and an 'interrogate' facility switches the current VDU display to show the contents of the preset. Each preset also has a x 1.5 boost control which will increase all channels above their stored level.



SPECIAL EFFECTS

This panel controls the contents of the ten preset master stores. It incorporates twin chase/flash generators and a four channel sound to light generator. The flash generators have a variable max/min level, chase forward, reverse or sweep, with speed, on/off ratio, length and slope also variable.

The chase can be selected to respond to a music input, and the four channel sound to light generator includes a random fire flicker control. Individual flash buttons are provided for keyboard effects. Six channels of external special effects can also be switched by the panel.

OTHER CONTROL FACILITIES

Galaxy 2 Studio is one of a range of compatible Galaxy 2 memory lighting control systems. If the standard version of Galaxy 2 Studio does not fully meet operational requirements, a customised system can be

readily produced incorporating other varied facilities from the Galaxy 2 Arena and Premier systems. Currently available are Group Masters, two types of playback, alpha keyboard, floppy disc, printer and geographic button mimic. Program variants are also available.

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OUTPUT

LAST REC 0

MEM USED 07%

001:31	021:	041:24	061:	081:	101:12	121:24	141:18
002:15	022:	042:24	062:	082:	102:12	122:24	142:17
003:	023:	043:24	063:	083:	103:12	123:24	143:17
004:25	024:	044:24	064:	084:	104:12	124:	144:17
005:	025:24	045:24	065:	085:	105:12	125:	
006:	026:24	046:24	066:	086:	106:12	126:	
007:	027:10	047:24	067:	087:	107:12	127:	
008:	028:24	048:24	068:31	088:08	108:12	128:	
009:	029:08	049:24	069:	089:	109:12	129:	
010:12	030:24	050:24	070:	090:	110:12	130:28	
011:	031:24	051:24	071:	091:	111:12	131:28	
012:16	032:24	052:24	072:31	092:	112:12	132:28	
013:	033:24	053:24	073:	093:	113:12	133:28	
014:	034:24	054:08	074:	094:	114:12	134:28	
015:14	035:08	055:24	075:	095:	115:12	135:28	
016:	036:24	056:24	076:	096:	116:12	136:21	
017:14	037:24	057:24	077:	097:	117:12	137:21	
018:	038:24	058:24	078:	098:	118:12	138:	
019:	039:24	059:	079:	099:	119:12	139:	
020:	040:24	060:	080:	100:12	120:12	140:32	

MEM - 4 TIME UP 00.10 DOWN 00.10

VISUAL DISPLAY UNITS

The standard VDU system is a single RGB colour monitor offering a selection of displays including studio output, contents of a selected preset, list of memories recorded, contents of Automod store and alpha keyboard. A second monitor can be provided for display of memory list alone. Screen colours are used to indicate whether channels are off or on, channel levels, and channels under control of the channel control panel.

OPTIONS

CUSTOMISED CONTROL PODS

The modular design of Galaxy 2 Studio simplifies installation in custom control suites. There is a rugged flight case version for use on outside broadcasts.

STUDIO FLOOR CONTROLS

Galaxy 2 offers three types of remote control. Riggers control is a hand-held cable control for rigging and focusing. Designers control, available as an infra-red or cable system, is for setting and balancing lighting levels, recording memories, and recalling and fading memories. All the control facilities of the main desk can also be duplicated by a second control pod on the studio floor.



BACK-UP SYSTEMS

There are two types of back-up system. The basic ten group pin matrix system operates in parallel with the Galaxy and can be used for camera line up lighting control, and audience lighting - independently of the main memory system.

The Floppy Disc based Memory Back-up system uses a separate control panel to duplicate the main channel control, recording and playback functions of Galaxy 2.

As the studio lighting is constantly monitored, the backup system is ready to take over the rehearsal or production at any time.



SPECIAL STUDIO EQUIPMENT

Auxiliary control equipment is available to special order. Typical TV installations include matching control panels for sound and vision, geographic mimics, customised special effects systems, fault detection and other equipment.

For more comprehensive technical data and a specification please ask for Galaxy 2 Studio Summary Specification.

Other memory lighting controls, dimmer racks, and a complete range of lighting products for studio and location work are available. Contact Rank Strand for further information.

The Company reserves the right to make any variation in design or construction to the equipment described.



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