

compact 80-120 80GT



memory lighting control

RANK STRAND ELECTRIC

compact 48-80-120-80GT

The memory control for all creative lighting.

COMPACT is far, far more than a near-instant means of recording and reproducing precise intensity levels. It is a comprehensive control system for truly creative lighting using today's technology to give both the designer and the technician the opportunity to concentrate on what matters – the composition and flow of the lighting as an integral part of every performance. The designer has the opportunity for second thoughts because he can always see a particular cue again without waiting; and can add cues or subtract one from another to form a new effect. The Rank Strand fader wheel is always available either to compose or to modify lighting to meet unforeseen needs – all without any need to match to the existing level.

COMPACT has all the operational facilities to be expected in a modern lighting control including dipless or contoured crossfades; active, blind or total record; active display or preview display and sequence, to automatically recall the next cue from the memory on completion of a crossfade. Nor are essential auxiliary controls forgotten – there are fold-away fader levers for mastering of groups selected on a pin-patch.

COMPACT now offers the choice of three, interchangeable random-access memory devices – a relatively inexpensive but low capacity MOS memory, or a single or double stack high-density ferrite core memory. The number of complete cues that can be stored varies with the type of memory chosen and also on the number of control channels required; for example, MOS memory provides 80 cues for 48 channels or 50 cues for 80 channels, but a single stack ferrite core allows 200 cues for 80 channels, or 130 for 120 channels. The organisation of the memory can be changed by internal thumbwheels to provide greater cue capacity for a smaller number of channels. For repertoire storage a matching, peripheral Tape Unit is available to transfer all cues for a production to and from a data tape cartridge. The addition of a single printed circuit card to the Tape Unit permits type-in cue preparation and print-out by a Teletype independent of the Compact console.



COMPACT is really small – only 815mm wide for up to 80 dimmer channels, 1060mm wide for up to the maximum of 120 channels. The height, including castors, is 940mm and the depth is 820mm. With the shelf hinged upwards the depth is reduced to 670mm to pass easily through a standard doorway.

COMPACT is totally self-contained. All 8-bit fade-processing and power supply generation is contained within the pod below the hinged operational panel. The 220/240v 50Hz power input, circuit breakers and brilliance control for all displays are mounted in the right-hand end, as are the output sockets to interface with Rank Strand Thyristor dimmers. The opposite end has data-link sockets for the optional, peripheral Tape Unit.

COMPACT has a twin-lever to effect a dipless, or contoured, crossfade from the intensity levels in Playback A to those in Playback B, or vice-versa. Both these Playbacks are local stores, either of which can be selected, by their green Channel Control push, for the initial composition of a complete lighting cue, or for subsequent alteration.

The Strand fader wheel is used to change the intensity level of any channel number which is selected on the adjacent left-hand keyboard. The change can be 'active' and 'blind' depending upon which Playback has been selected. The fader wheel never has to be matched to the existing level but gives immediate, fingertip control by increasing or decreasing the intensity according to the amount, the rate, and the direction of movement applied. When a different channel number is selected the previous channel remains undisturbed.

Other controls associated with channel number selection are Return, to allow the selected channel to revert to the pre-change intensity level, also Flash Full and Flash Out to aid channel load identification.

compact 48

For a maximum of 48 control channels with all the facilities illustrated and described above but with 5-group pin-patch with pile-on mode of operation.

compact 80

For a maximum of 80 control channels with all the facilities illustrated and described above.

compact 120

For the maximum of 120 control channels but with additional, sophisticated facilities provided by extra keys on the *left-hand* keyboard.

The first of these is @ (at) to allow fast, direct keyboard entry of intensity levels, for example channel 91, @ (at), level 7 or F (full).

Even more valuable are the & (and), and &M (and Memory) keys. The & (and) key allows two, or more, channels to be controlled simultaneously by the fader wheel or the @ (at) function, for example 40, & 42, &, 59.

The &M (and Memory) keys allow the content of any Memory number to be recalled as a group for simultaneous control by the fader wheel.

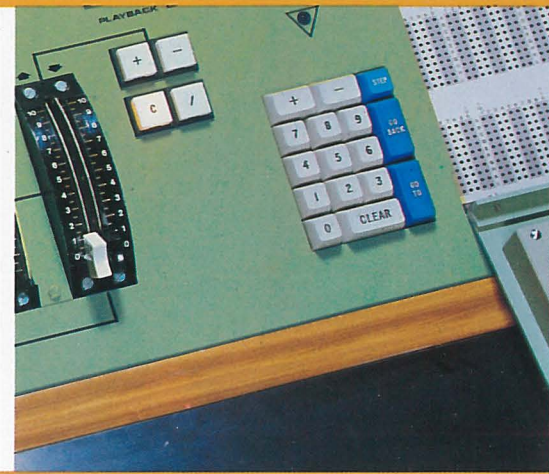
The intensity level content of either Playback A or Playback B can be stored in the memory in precise detail. All Record allows the intensity levels in mid-crossfade to be recorded.

Prior to recording the right-hand keyboard is used to select a Memory number to positively identify the complete cue. The same keyboard is used to recall any Memory number to either Playback where the intensity levels can be substituted for the existing levels, or added, or subtracted. The Sequence facility can be invoked to automatically advance the Memory number and recall the next cue into the 'blind' Playback on the completion of each crossfade.

The twin-lever crossfader, to effect a gradual change from Playback A to Playback B, or vice-versa is dipless when both faders are moved together. A crossfade can always be profiled because the left-hand fader controls only those channels *increasing* in intensity and the other only those channels *decreasing* in intensity. This arrangement provides far more possibilities than conventional incoming and outgoing control. An additional master fader allows a proportional reduction of all intensity levels.

The head-up display shows the above-zero content of either Playback, or the total combined output. It is always possible to preview the content of any cue recalled from the memory to the 'blind' Playback. The meter shows the intensity level of the displayed Channel No. and therefore, by channel number selection, every channel in any cue, can be interrogated. Additionally the selected Memory, the Last Recorded Memory and the last Memory numbers to be recalled to each Playback are displayed by large, numerical indicators.

There are also auxiliary facilities for direct fader lever control of the same control channels. The flexible grouping is determined by a pin-patch matrix below the fold-away fader levers. For up to 48 channels there are 5 groups with yellow pins providing pile-on mode of operation for presentation lighting, etc. All larger models have 10 groups, plus red pins for inhibitor mastering, for example of all auditorium spotlights, and the means to withdraw any channel from a series of recorded cues.

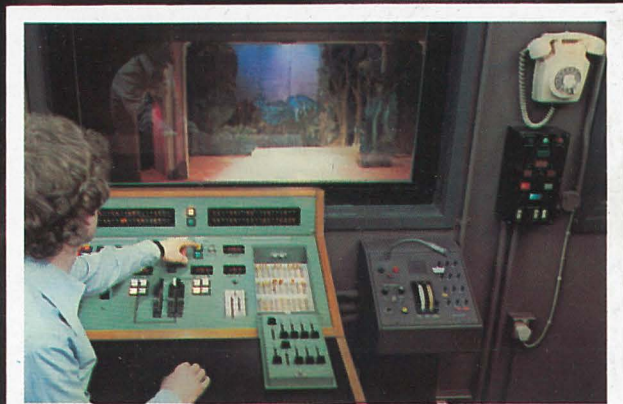


compact 80GT

For 80 channels maximum with the @, &, &M extra facilities plus sophisticated cue insert facilities by extra keys, on the *right-hand* keyboard. These allow the automatic sequence facility to be re-programmed to insert a new cue, or series of cues wherever, and uniquely, as often as required. The reprogrammed sequence is stored in the memory and reduces the storage capacity by 10 cues.

COMPACT TAPE is an optional peripheral trolley complete with its own power supply generation. This unit needs to be located to the left-hand side of the Compact to link with its data-link socket.

COMPACT TAPE provides additional bulk storage of intensity level information, onto a twin track Data Cartridge, for repertoire library storage. Each cartridge can store up to 500 complete cues and transfer these to, or from, the fast access ferrite core memory sequentially, or in any required numerical blocks.



Salisbury Playhouse, Wiltshire



Lighting control for Caroline Carlson's Ballet at the Opera de Paris.



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