



# LIGHTING CONTROL



# Modular Memory System



# MMS the Modular Memory System

precise in lighting performance with over-riding operator access at all times

**Mimic** display shows which channels are above zero light and allows content of any Memory to be previewed. This module, or its alternative, with a push for each channel, repeats for each multiple of 120 control channels.

**Channel Control** one of three alternatives all with the fader wheel to set or change intensity levels without the need to match. The keyboard, for channel number selection, is extended on this particular module to allow direct entry of intensity levels and to allow two or more channels or a group recalled from the Memory to be controlled simultaneously.

**Playback** to crossfade from the lighting content in one local store to that in the other. The content of either store can be modified by the Channel Control, or recorded, or stored information can be recalled into either store. Rate Playback, illustrated, has unique groupfade facilities in addition to 1 second to 60 minute autofade. Alternative is manually operated.

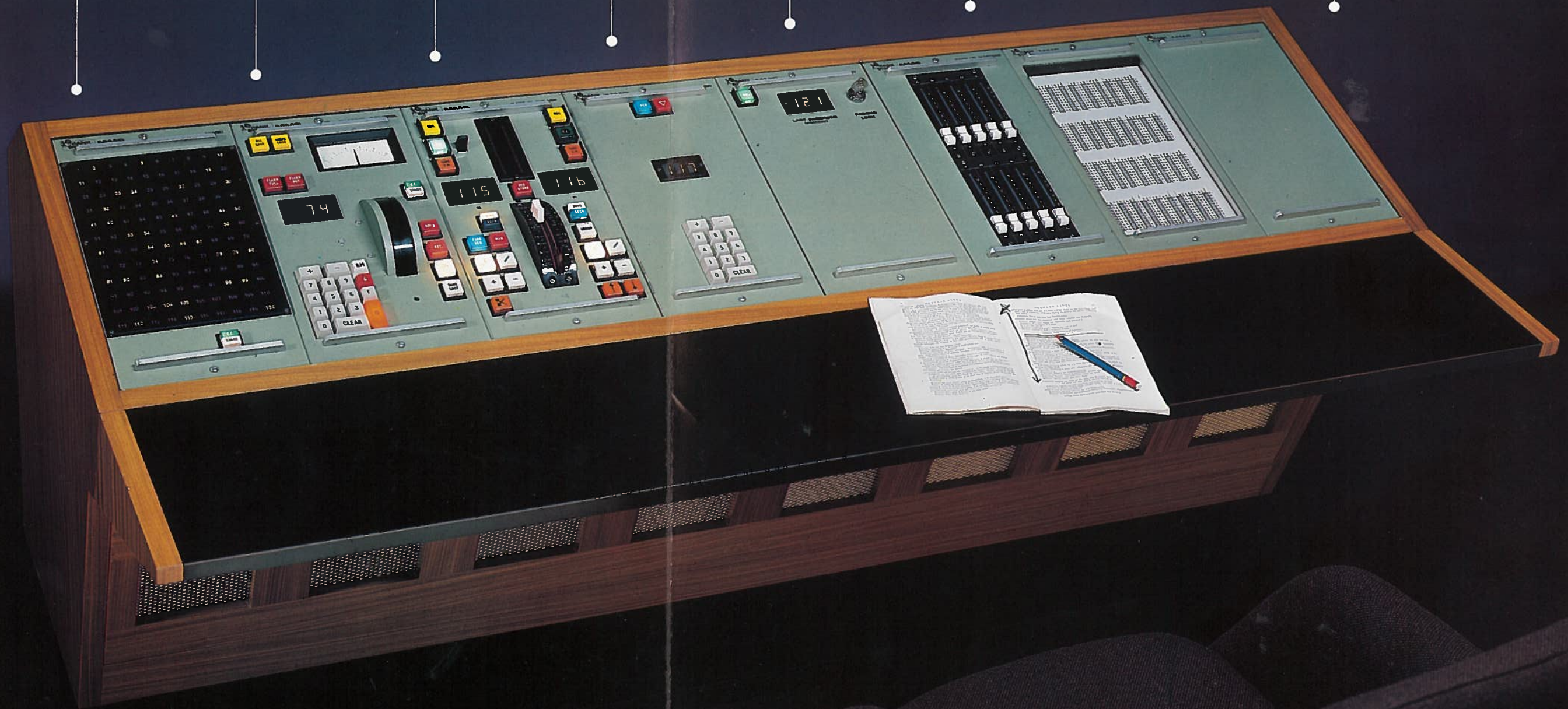
**Memory No.** keyboard used to positively identify intensity level information recorded into the Core Memory and to locate that information for recall into a Playback module.

**Core Memory.** The fast-access ferrite memory to store intensity level information in precise detail – 254 discrete levels between zero and full intensity for every control channel. Storage capacity varies with the number of channels and whether one or two core channel fitted. Up to 130 memories of 120 channels available with single core block.

**Back Up Masters.** Ten independent fader levers, for ancillary services, controlling the ten groups selected on the Pin Patch module. Choice of pins allow pile-on or subtractive group mastering.

**Pin Patch** matrix to allow any combination of channels to be semi-permanently grouped to the ten independent fader levers. Yellow pins used for pile-on mode of operation, red pins for subtractive, inhibitor masters. This module repeats for each multiple of 120 control channels.

**Blank** to allow for future extension of facilities – a second Playback module, or a **Tape** module for repertoire storage of intensity levels on a data tape cartridge.



# A truly Modular System- both electronically and mechanically

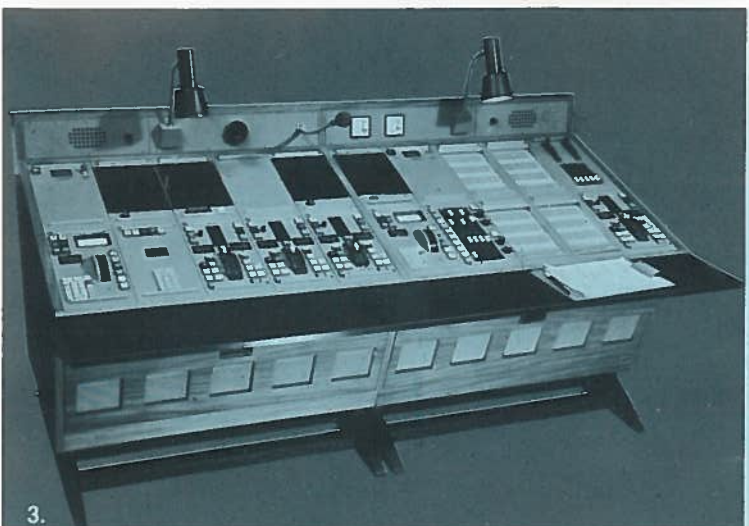


Whatever the application MMS performs completely and effectively. Its unique design with every module plugging into the same data link offers limitless permutations in the form and facilities with a choice of:

- Sixty to 480 control channels.
- Three different methods of channel control, two of which include unique group selection; all three methods feature the unique fader wheel.
- Three displays of information at the touch of a button – the active lighting, the blind lighting or the total lighting during a crossfade.
- Two entirely different methods of changing instantly or gradually from one effect to the next – one manually operated, the other timed from 1 second to 60 minutes with unique upfade, downfade and groupfade possibilities.
- Fast, random access storage of precise intensity levels.
- Optional repertoire storage on a data tape cartridge.
- Ten independent master faders for semi-permanent groups.



And the opportunity, initially or later, to duplicate facilities and also to extend them to suit either different lighting techniques or for a change of artistic policy, say from long-run to repertoire working.



1. This MMS shows alternative Mimic, Channel Control and Playback modules to those shown in the principal illustration.

2. Alternative two-tier MMS desk. Cliffs Pavilion, Southend.

3. Congress Hall, Pyongyang, 480 control channels.

The Modular Memory System uses today's, and a touch of tomorrow's, technology to serve the creative requirements of stage and television lighting – precisely, economically, and above all, effectively.

MMS controls and remembers accurately the intensity levels of as few as 60 or as many as 480 separate channels. The unique fader wheel provides immediate fingertip modification for initial lighting design and for the inspiration of the moment.



MMS is already in daily use in over 20 countries – in world famous concert halls, in drama, opera and ballet repertoire theatres, in broadcast television studios both large and small, in multi-purpose auditoria, in long-run West End and Broadway type theatres and in such dissimilar locations as university campus theatres and continental casinos, for example :

- |                                     |   |
|-------------------------------------|---|
| Wiener Stadthalle,<br>VIENNA        | National Arts Centre,<br>OTTAWA           |
| Folk Art Centre,<br>MANILLA         | TV Studio, RTS<br>SINGAPORE               |
| TV Studio, ABC<br>MELBOURNE         | TV Studio,<br>KUALA LUMPUR                |
| Royal Lyceum Theatre,<br>EDINBURGH  | TVW Theatre Auditorium,<br>PERTH          |
| Stadtheater,<br>SOLINGEN            | Casino Ruhl,<br>NICE                      |
| Hill Cumorah Theatre,<br>U.S.A.     | Theatre des Champs-Élysées,<br>PARIS      |
| Palace of Fine Arts,<br>MEXICO CITY | Pietermaritzburg University,<br>S. AFRICA |
| TV Studio,<br>DUBAI                 | Theatre Royal,<br>SYDNEY                  |
| Rogaland Theatre,<br>STAVANGER      | Aldwych Theatre,<br>LONDON                |



1. BBC Wales, TV Studio Cardiff

2. Roundhouse Theatre, Camden

3. Hippodrome Theatre, Birmingham

4. Victoria Palace, London



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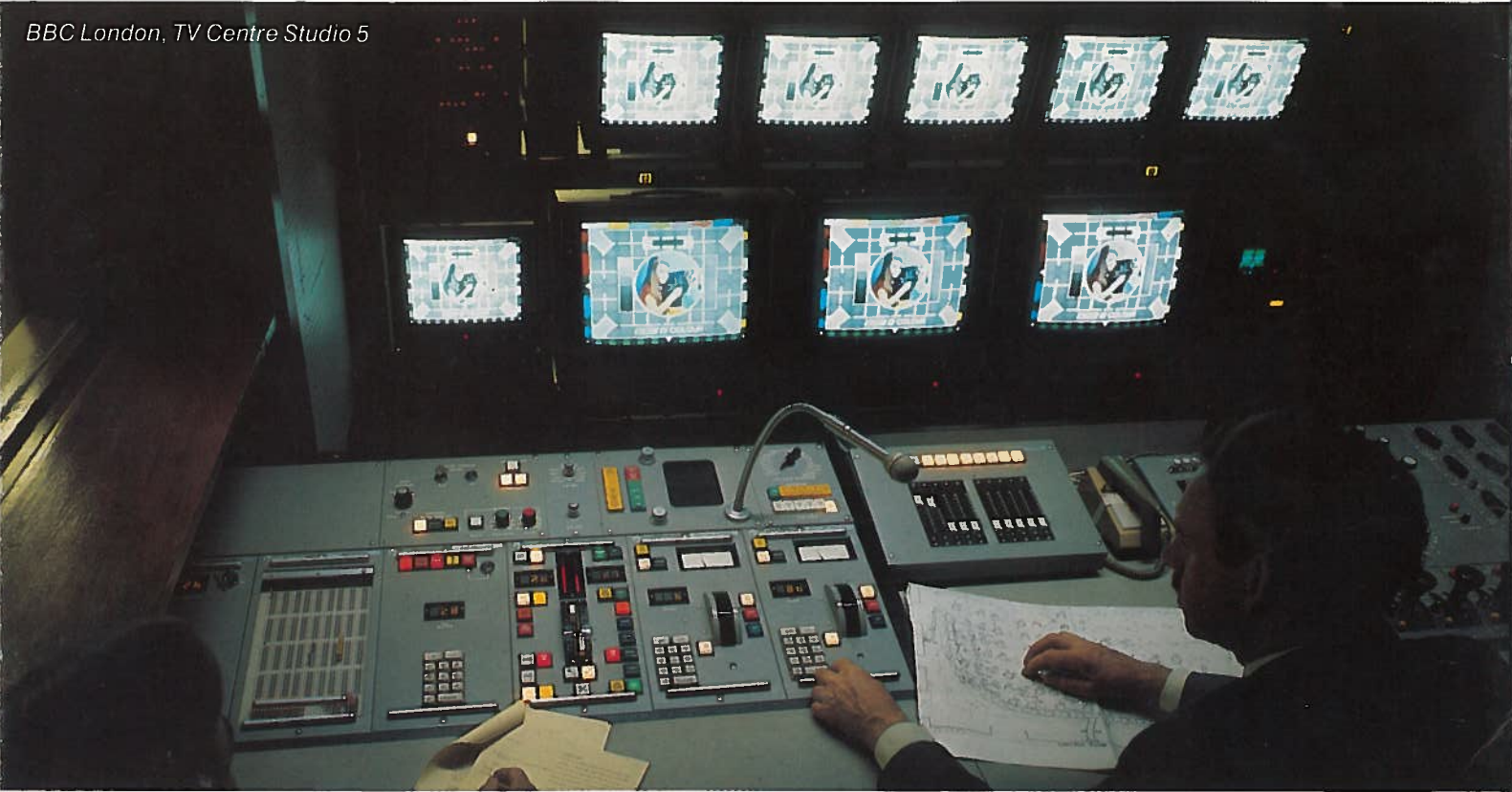
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Royal Festival Hall, London

