

 	SPECIFICATION DDM/S1
	SYSTEM DDM ROCKER STALLS CONTROL
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1. INTRODUCTION

This specification outlines the facilities provided by the DDM Rocker Stalls Control. The unit is only available for use with certain variants of the DDM system.

Channel control is carried out by the use of a group of rockers working on the 'Shift' principle.

The control is intended for use in a Stalls position for rehearsal use or from a side of stage position for setting purposes.

As the unit is independent of the master desk and rocker wing it also provides a convenient alternative control should the control room equipment fail.

2. EQUIPMENT

The unit is a self-contained table top mounting desk which can be easily carried by two men. A clip-on cover is provided.

3. ENVIRONMENT AND POWER REQUIREMENTS

As specified for the main control system.

4. CONTROL FACILITIES

4. 1. Channel Control

- (a) 30 Rockers are provided for channel control and are used in conjunction with the speed and level controls for setting channel levels.

The 30 rockers are selected to groups of 30 consecutive channels by means of 'Shift' pushes labelled with the Group to be selected.

The groups correspond to the rows of 30 on the main control Rocker Wing.

The Rockers only have control of Green playback.

4.1. (continued)

- (b) Meter indication of channel level whenever top, bottom or centre push of rocker is touched.
- (c) Momentary flash to full or flash to zero of channel output by touching rocker top or bottom respectively in conjunction with master flash push.
- (d) Green mimic lamps in the top of each rocker show which channels are in use on stage. A GREEN/STAGE/RED switch enables the contribution of Red and Greenplaybacks to be identified.
- (e) Amber centre push mimics show modified channels and AUTO MOD channels.

4.2. Record and Cue Select

- (a) Cue selection is by push-button switches. Zeros are automatically inserted if only a unit, or ten and unit, is selected.
- (b) Record function subject to keyswitch on main control.
- (c) The record cue number is shown on a numerical display together with an indication when a recording has been made.
- (d) Record controls are provided for all lighting on stage and also for the Modified channels only.

The RECORD MODS facility is particularly useful during rehearsal (as it enables the designer to record modifications which he may wish to introduce on subsequent cues.

- (e) The record cue number is shown on a numerical display together with an indication when a recording has been made.

4.3. Playback

- (a) The Green playback only may be controlled from the Stalls Control. All functions operate in parallel with those on the main desk. The mimic lamps duplicate those of the main control enabling the Stalls operator to monitor the main desk actions.
- (b) Separate control of raise and dim speeds is possible for cues on the Green playback. Normal speed ranges are 1 second to 60 seconds and 10 seconds to 10 minutes.

4.3. (continued)

- (c) Normal cue functions available are:
- 1) CROSSFADE (memory levels substituted)
 - II) MOVE to new levels except zero.
 - III) DIM (subtract from existing state and fade to zero)
 - IV) ALL DIM
 - V) REVERSE last cue action.
 - VI) INSTANTANEOUS
- (d) Any change can be interrupted, stopped or started at will and the cue function changed during a cue.
- (e) The progress of cues on Green playback is shown by a 'travel' meter.
- (f) A CANCEL push clears the Green playback.
- (g) A new cue number may be selected either in or out of sequence by a NEXT push.
- (h) Cues may be added together before starting, or during the progress of a cue.
- (i) Playback cue numbers are shown on a numerical display for Green playback together with an indication if the cue has been used.

4.4. Modification

A channel on Green playback can be modified at any time by means of the appropriate channel rocker control.

A modified channel is indicated by the amber rocker mimic.

The channel can be returned to the original level at any time without recalling the original cue.

A HOLD MODS facility enables modifications to be retained from cue to cue rather than being absorbed in a new cue as is normally the case. This ensures that a designer's modifications are not inadvertently cancelled during a rehearsal. Use of the RECORD MODS facility can be used to record them and then a CANCEL MODS push may be used to delete the modifications if they are not required in the next cue.

5. CONNECTIONS

Each outlet for the stalls control is connected to the Equipment Rack by means of a special multicore cable. The maximum length of this cable is 100 metres.

A mains supply feed is also required at each outlet.

6. HANDBOOKS

An Operator's Handbook, User's Guide and simple fault-finding guide are supplied.