

M-56 FUNCTIONAL DESCRIPTION

USING THE 56017B100 REMOTE BOX

1. Push-button Controls

- a. Stop Button: Provides a stop command to the transport logic. May be engaged at any time to inhibit tape motion. The stop button is illuminated whenever the tape is stopped (only if the tape is threaded).
- b. Play Button: Provides a command to the transport logic to enter the play mode. If the machine has been in forward or rewind, the machine will automatically be given a stop command. The play button will illuminate when the play mode is actually entered.
- c. Record Button: Provides a record command to the transport logic when it and the "play" button are depressed simultaneously. The record button illuminates when the transport logic has issued the record command. Note: The machine will not accept a record command while still in a stopping mode.
- d. Forward Button: Provides a forward command to the logic. It may be engaged at any time. The forward button illuminates whenever the machine is in the forward mode.
- e. Rewind Button: Provides a rewind command to the transport logic. It may be engaged at any time. The rewind button illuminates whenever the machine is in the rewind mode.
- f. Output "A" Button: Provides a command to the signal electronics to present the in-coming lines of "buss" at the out-put jacks of the recorder. Illumination of the white indicator lamp above the corresponding meter indicates this mode.
- g. Output "B" Button: Provides a command to the signal electronics to present the recorded signals at the output jacks. Illumination of the amber indicator lamp above the corresponding meter indicates this mode.

2. Indicator Lamps

- a. Runout Indicator: Illuminates whenever the tape is not threaded in the "isoloop".
- b. Red-Record Indicators: Illuminate with varying intensity to indicate that the corresponding track is pre-set or "ready" to record, when the

master record command is issued. It illuminates with full intensity once the recording has started.

- c. Green-Sync Indicators: Illuminate the full intensity to indicate that the record head is connected to the reproduce pre-amp for the over-dub function. Illumination with varying intensity indicates that the "sync" or over-dub mode will be entered with the record mode is entered.

3. Toggle Switches

a. Ready-Safe-Sync Switches:

- (1) THE READY POSITION, programs the corresponding track to record and transfer its a/b relay to "A" (the incoming buss). If the normal-cue switch is in the cue position, the sync mode is engaged until the record mode is entered.
- (2) THE SAFE POSITION, inhibits record and sync functions in all transport modes.
- (3) THE SYNC POSITION, activates the sync relay to allow overdubbing if the normal-cue switch is in the cue position. If the normal-cue switch is in the normal position, the sync relay is inhibited until the record mode is entered.

- b. Normal-Cue Switch: THE CUE POSITION, activates the cue relay which normally inhibits the sync command until the record mode is entered.