

# KLARK TEKNIK GROUP

## TECHNICAL BULLETIN

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**KLARK TEKNIK MIDAS**

SIGNAL PROCESSING BY DEFINITION BETTER BY DESIGN DESIGNED FOR A PURE PERFORMANCE

|                               |                                |  |  |
|-------------------------------|--------------------------------|--|--|
| <b>Brand</b><br>Midas         | <b>Reference Number</b><br>137 | <b>Date</b><br>19/02/2004                          | <input type="checkbox"/> Urgent                      |
| <b>Product</b><br>Legend 3000 | <b>Serial Number</b><br>3417   | <b>Assembly</b><br>Software and L311 Master Module | <input type="checkbox"/> Recommended                 |
|                               |                                |  | <input checked="" type="checkbox"/> Information Only |

### Subject

The function of the FOH/MON VCA and Automute assign functions has been changed for ease of use. The screen print around the assignment buttons as has also been changed to match on the front panel.

### Information

The operation of the Assignment functions of the Legend have been changed as shown below. For ease of use both VCA and Automute assignment for the FOH signal path is as a one button press function. The Monitor VCA and Automute assignment may now be selected by holding the Mute or VCA buttons down for 3 seconds until LED illuminates and flashes.

This change took place in the software version 2.00 but had not been activated until the screen print of the output panels also changed. This took effect from L3000/3417.

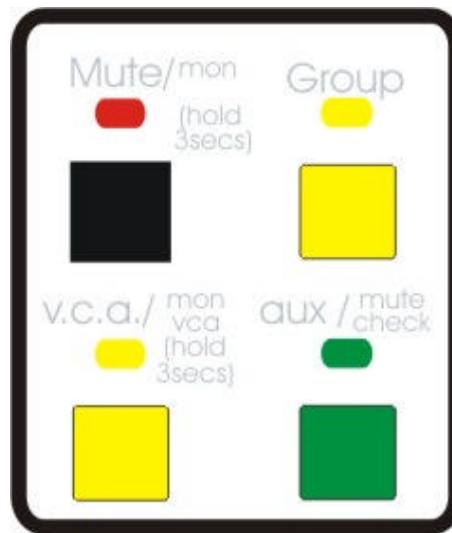
To change between the old and new assignment method on these switches the following procedure must be followed.

#### To change to new switch Layout:

While holding down assign buttons 4,5,6 and 9 power up the console ( changes as per new silk screen or stick on label).

#### To change to the old switch Layout:

While Holding down assign buttons 4,5,6 and 10 power up the console (changes as per the original silk screen).



If you wish to change an older console so that it functions in this way there are overlays available for this section which may be applied. These are available, part number MWX-L3000M17 free of charge.

### Other Information

#### Distributed

All Distributors

#### Date Distributed

19/02/2004

# Legend Automation System Overview

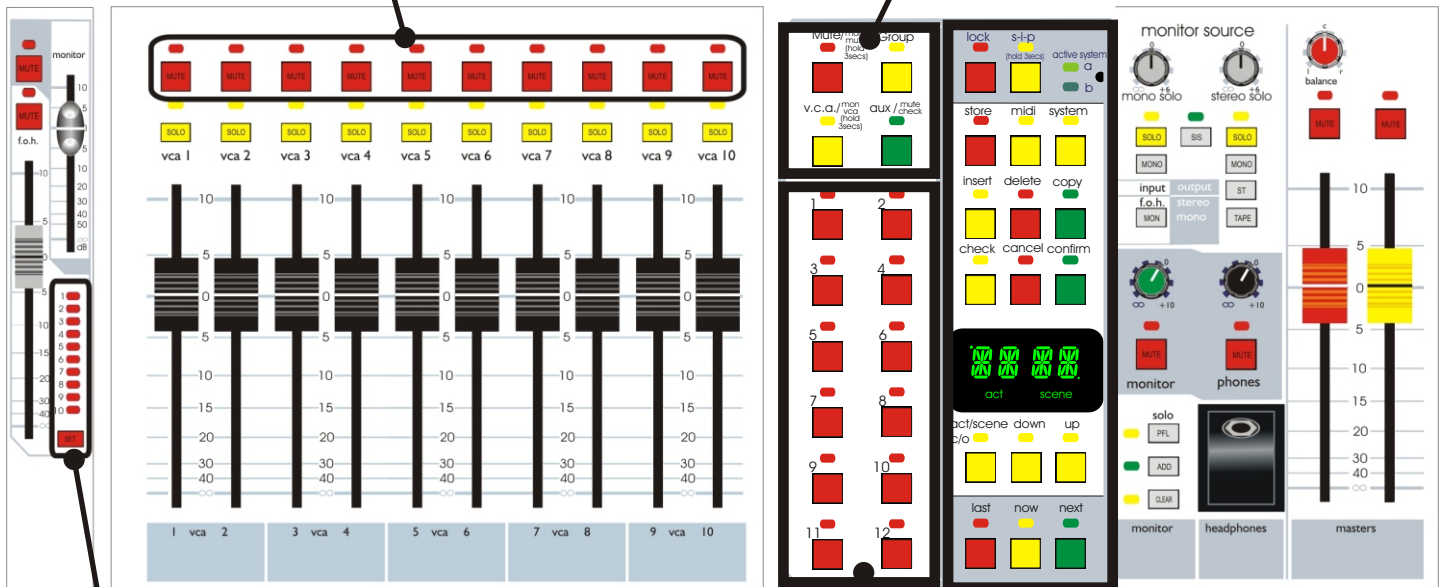
The Legend Automation System allows the storage of the following function settings scene by scene:

- FOH Master VCA Assignment
- Monitor Master VCA Assignment
- Input Automute Assignment
- I/P Channel Mute Assignment
- Aux Return Mute Assignment
- FOH Output Mute Assignment
- Group Output Mute Assignment
- Matrix Output Mute assignment
- Master VCA Mute Assignment
- 4 Midi Out Messages per Scene
- Midi Message the scene will be recalled

## System Layout

The Mute switches may either be selected as Automute Masters or Master VCA Mutes. These may be selected in the SYSTEM menu. As default consoles are set to Master VCA Mute.

This section controls the function being assigned to the Input modules and Auxiliary Returns when the SET switch is pressed.



The LEDs indicate which Automutes or VCAs are assigned to this channel. The SET switch will either toggle the selection already assigned to the module with that displayed on the Master selection switchbank or overwrite the setting on the channel if pressed and held.

This section contains the controls for navigating through the Automation menus.

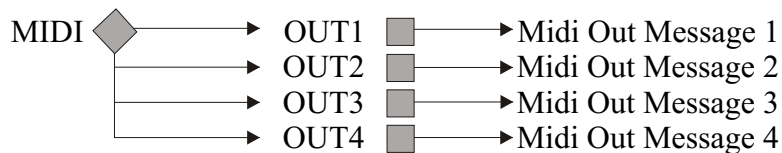
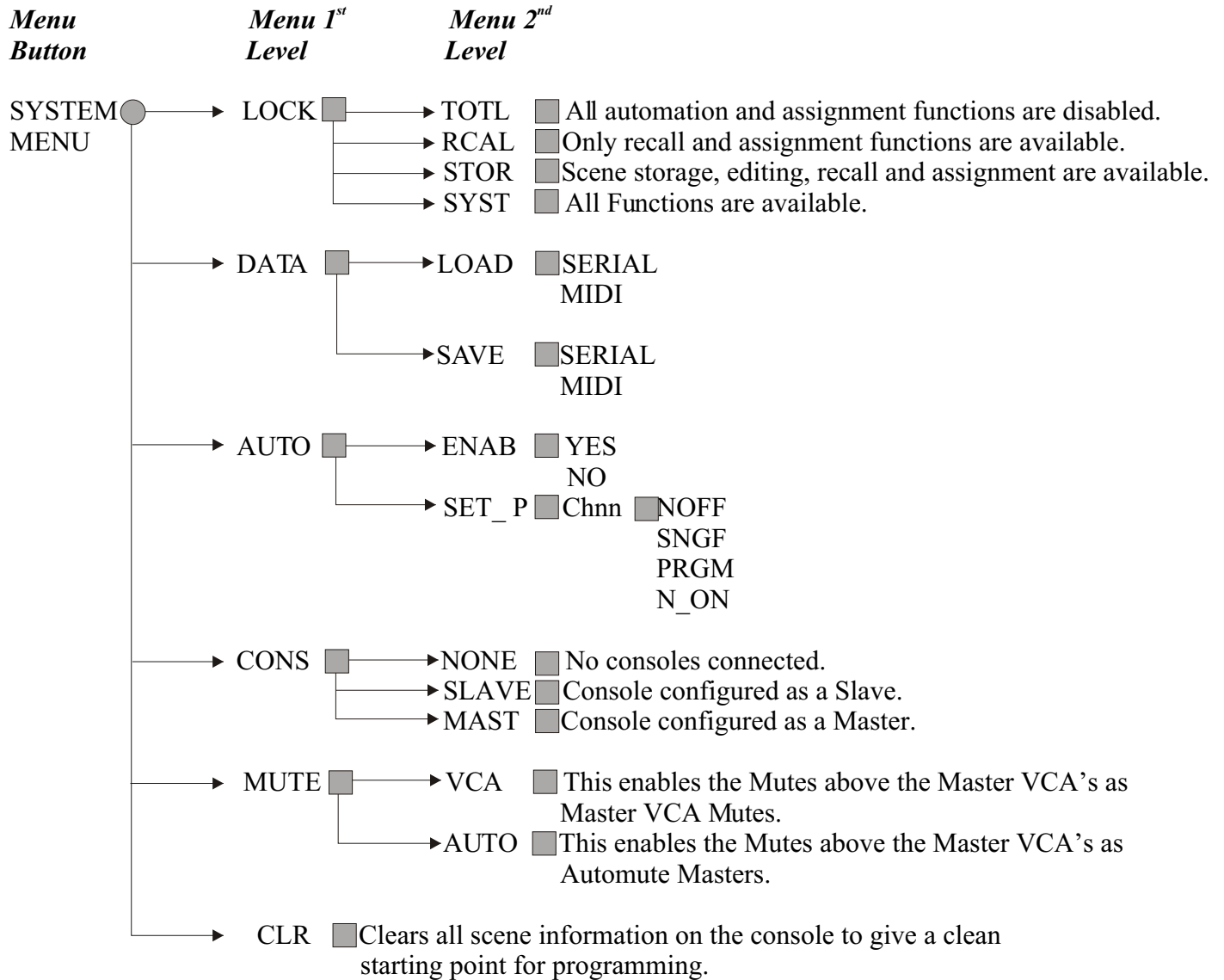
This Master selection switchbank allows the user to select which Automute / Master VCAs the inputs and outputs are assigned to.

# Legend Menu Overview Ver 2.00

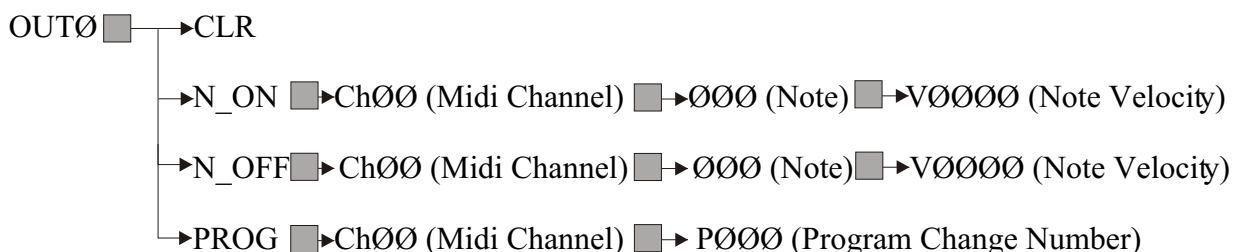
Key  This symbol denotes a CONFIRM button press

This symbol denotes a SYSTEM button press

This symbol denotes a MIDI button press



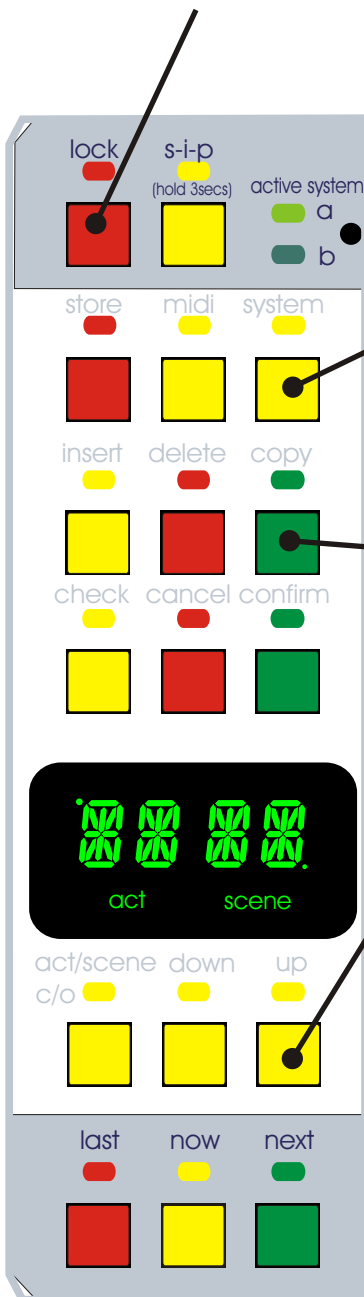
MIDI Out Sub Menus:  
(Ø denotes a number)



# Selecting the Different Lock States of the Console

## To Lock Assignments

- 1 The LOCK switch toggles state each time it is pressed. When the LOCK switch is illuminated all assignment changes are disabled. The console will automatically revert to a locked state if no assignment controls are operated within a 90 second period. To start assigning controls disable this button.



## System Locks

- 2 Press the SYSTEM Button and LOCK will be displayed in the Window.

- 3 Press the CONFIRM switch and the LOCK sub menu will be displayed in the window.

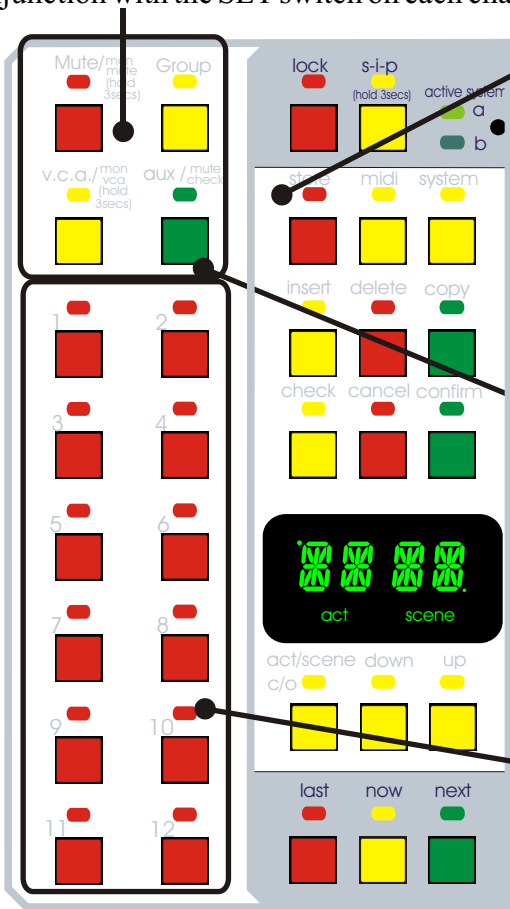
- 4 Using the UP/DOWN switches scroll through the LOCK sub menu until the desired lock mode is displayed.

*Refer to the Menu overview for lock modes and descriptions.*

- 5 Press the CONFIRM switch and the console will be set to the chosen lock mode.

# Assigning Functions

1 The ASSIGN KEYS are used to change settings between INPUT VCA FOH (VCA MON if held for 3s), MUTE FOH (MUTE MON if held for 3s) , AUDIO GROUP or AUX assignment in conjunction with the SET switch on each channel.



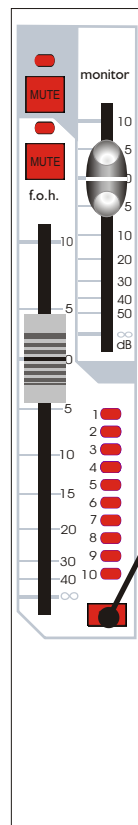
2 To un-lock the assignment function first press the LOCK switch so that the LED is off.

3 The VCA FOH ,MUTE FOH, GROUP and AUX switches set the assignment mode for the input modules. As default these switches interlock so that only one mode can be viewed at a time, however if they are pressed down for more than 0.5 second the interlock is removed. This is used for the "clear mode" (see below).

To access VCA and MUTE assignment to the MON signal path press and hold either the FOH VCA or MON buttons for 3 seconds. Instead of being constantly on the indicator LED will flash to show that the MON path assignment has now been selected.

4 Press the switches to assign the setup required. A long press will allow multiple assignment of more than one VCA/Aux/Group or Mute. A short press will clear the previous settings.

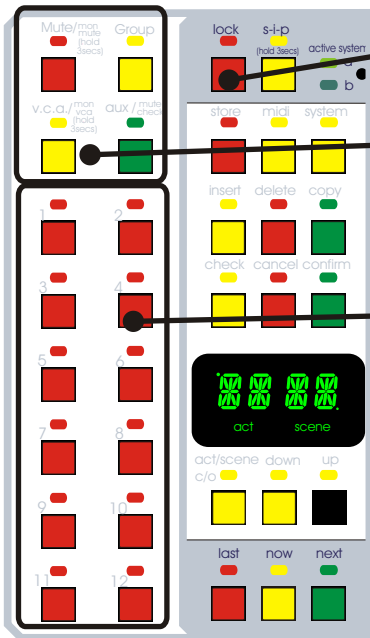
In this mode (with all LED's off), operating an input SET switch with a long press will clear all assignments. The mode switches can be used to select which parts are cleared, i.e. press VCA mode to clear VCAs, press GROUP mode to clear routing, or use a long press to activate more modes for simultaneous clearing.



5 Press the SET switch on the input channels for which the assignments are required. The SET switch works in two different ways. A long press will replace all previous settings with the new assignments selected on the assignment section. A short press will toggle between the original and the new assignments. If the function is assigned on both the input and the assignment section pressing the SET button will switch that function on and off.

6 To enter CLEAR mode set all the assign keys to off. To do this simply press the ones that are illuminated which then will toggle them off. Then press the SET keys on the channel that need no assignment.

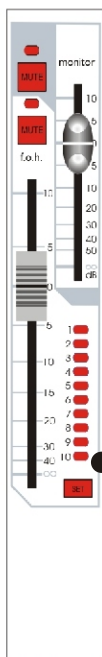
# Assigning VCA's To The FOH Signal Path



2 To enter ASSIGNMENT mode first press the LOCK switch (to un-lock the assignment system). So that the LED is off.

3 To assign a VCA to the FOH signal path you must first press the VCA button so that its LED is illuminated. This indicates that the 10 LED's on the input channel now indicate assignment of VCA's to the FOH signal path.

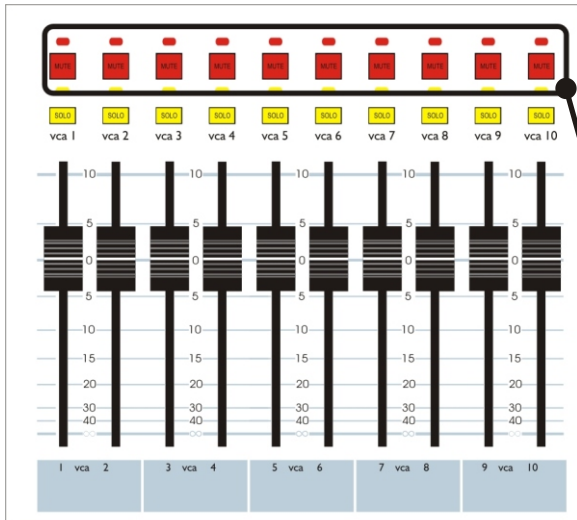
4 Enable the switches to assign the set up required. A long press will allow multiple assignments and a short press will clear the previous assignments.



5 Press the SET switch on the input channels for which the assignments are required. The SET switch works in two different ways. A long press will replace all previous settings with the new assignments, a short press will toggle between the original and the new assignments.

6 To enter CLEAR mode set all the assign keys to off. To do this simply press the ones that are illuminated which will then toggle them off. Then press the SET keys on the channel that need no assignment.

# Assigning Automutes To The FOH Signal Path

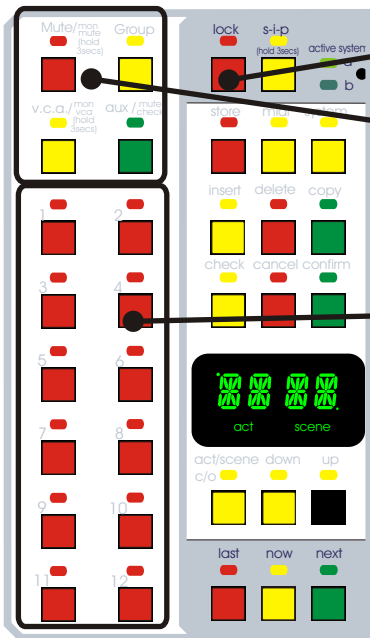


1 To use Automutes on the FOH or Monitor signal path, you must first select AUTO as the MUTE type in the SYSTEM Menu:

Press SYSTEM and using the UP/DOWN buttons scroll to MUTE, press CONFIRM

Using the UP/DOWN switches select AUTO on the display and press CONFIRM.

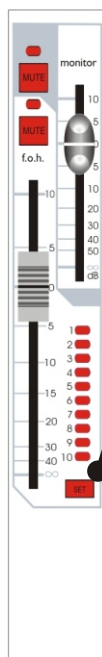
The Mute switches above the Master VCAs are now configured as Automute masters.



2 To enter ASSIGNMENT mode first press the LOCK switch (to un-lock the assignment system). So that the LED is off.

3 To assign Automutes to the FOH signal path you must first press the MUTE button so it is illuminated. This indicates that the 10 LED's on the input channel now indicate assignment of Automutes to the FOH signal path.

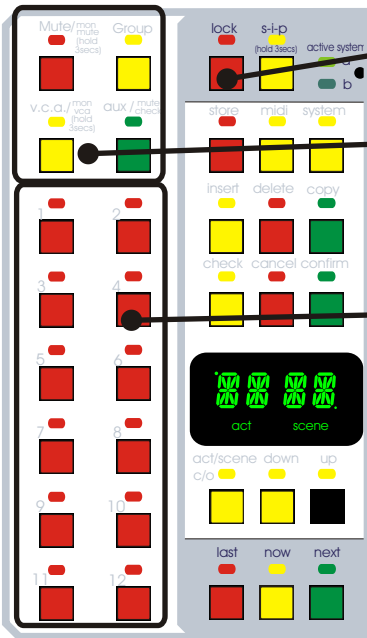
4 Enable the switches to assign the set up required. A long press will allow multiple assignments and a short press will clear the previous assignments.



5 Press the SET switch on the input channels for which the assignments are required. The SET switch works in two different ways. A long press will replace all previous settings with the new assignments, a short press will toggle between the original and the new assignments.

6 To enter CLEAR mode set all the assign keys to off. To do this simply press the ones that are illuminated which will then toggle them off. Then press the SET keys on the channel that need no assignment.

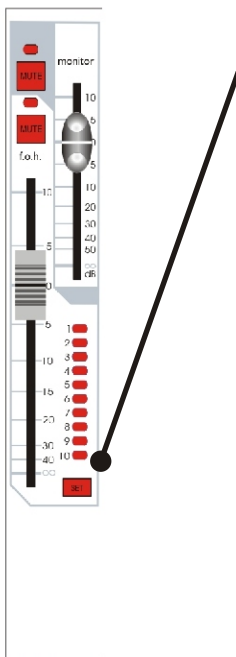
# Assigning VCA's To The MON Signal Path



2 To enter ASSIGNMENT mode first press the LOCK switch (to un-lock the assignment system). So that the LED is off.

3 To assign a VCA to the MON signal path you must first press and hold the VCA button so that its LED is flashing. This indicates that the 10 LED's on the input channel now indicate assignment of VCA's to the Monitor signal path.

4 Enable the switches to assign the set up required. A long press will allow multiple assignments and a short press will clear the previous assignments.

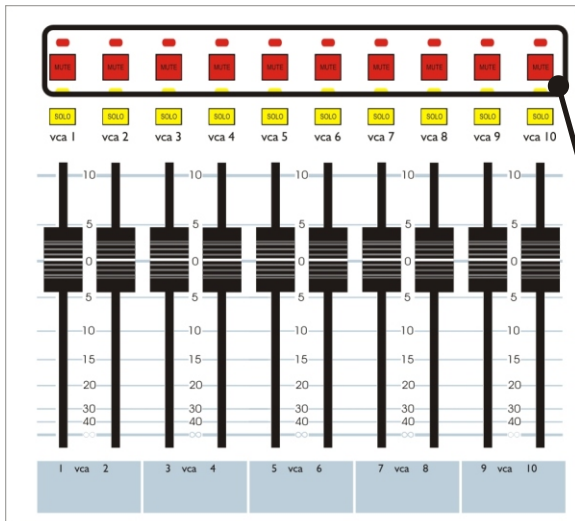


5 Press the SET switch on the input channels for which the assignments are required. The SET switch works in two different ways. A long press will replace all previous settings with the new assignments, a short press will toggle between the original and the new assignments.

6 To enter CLEAR mode set all the assign keys to off. To do this simply press the ones that are illuminated which will then toggle them off. Then press the SET keys on the channel that need no assignment.



# Assigning Automutes To The Monitor Path

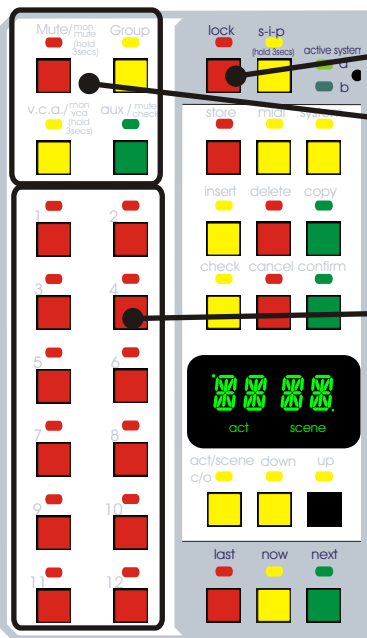


1 To use Automutes on the FOH or Monitor signal path, you must first select AUTO as the MUTE type in the SYSTEM Menu:

Press SYSTEM and using the UP/DOWN buttons scroll to MUTE, press CONFIRM

Using the UP/DOWN switches select AUTO on the display and press CONFIRM.

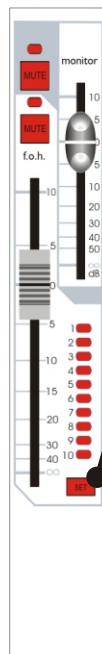
The Mute switches above the Master VCAs are now Automute masters.



2 To enter the ASSIGNMENT mode, first press the LOCK switch (to un-lock the assignment system) so that the LED is off.

3 To assign Automutes to the MONITOR signal path you must first press and hold the MUTE button until the LED is flashing. This indicates that the 10 LEDs on the input channel now indicate assignment of MON Automutes to that channel.

4 Enable the switches to assign the set up required. A long press will allow multiple assignments and a short press will clear the previous assignments.



5 Press the SET switch on the input channels for which the assignments are required. The SET switch works in two different ways. A long press will replace all previous settings with the new assignments, a short press will toggle between the original and the new assignments.

6 To enter CLEAR mode set all the assign keys to off. To do this simply press the ones that are illuminated which will then toggle them off. Then press the SET keys on the channel that need no assignment.