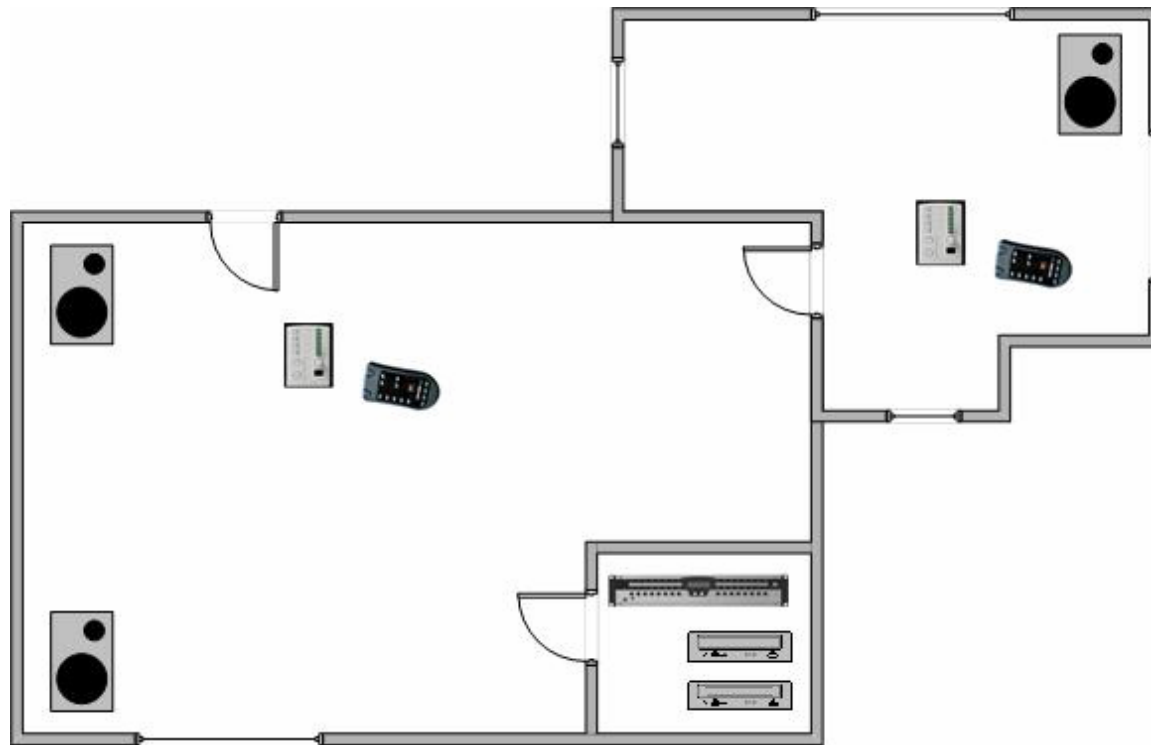


In three separate modules, we will build up a configuration (.CFG) program for an installation with two rooms – one with stereo audio and one with mono audio.

There are two stereo sources and each room will have remote control over source selection and level.



There are two steps in this second module.

- 1. Design the structure of the preset layout.**
- 2. Set up routing**

## 1. Design the structure of the preset layout

Routing of sources to outputs is accomplished by routing signals via the routing matrix and storing these routings in presets.

It is usually possible to choose preset numbers that reflect the routing. We have two sources and two zones.

<b>Preset number</b>	<b>Action of preset</b>
<b>1</b>	<b>Recalled on power-up. PL units are active and channels are named.</b>
<b>10</b>	<b>Zone 1. No source routed.</b>
<b>11</b>	<b>Zone 1. Source 1 routed.</b>
<b>12</b>	<b>Zone 1. Source 2 routed.</b>
<b>20</b>	<b>Zone 2. No source routed.</b>
<b>21</b>	<b>Zone 2. Source 1 routed.</b>
<b>22</b>	<b>Zone 2. Source 2 routed.</b>

Note how the preset number reflects the zone and the source routed to it.

The preset to be recalled on power up is number 1. This will have all of the switches in the system programmed and contains all PL remote units.

## 2. Set up routing presets

**2.1 Open the .CFG (configuration) module 1.** If you have worked through programming module 1, the .CFG should be on your computer. If you have not worked through programming module 1, the .CFG file is available from your trainer or from Allen & Heath.

Archive the .CFG now as module 2

**2.2 Recall preset number 1.**

## 2.3 Program the presets for signal routing

a. Go to preset number 10.

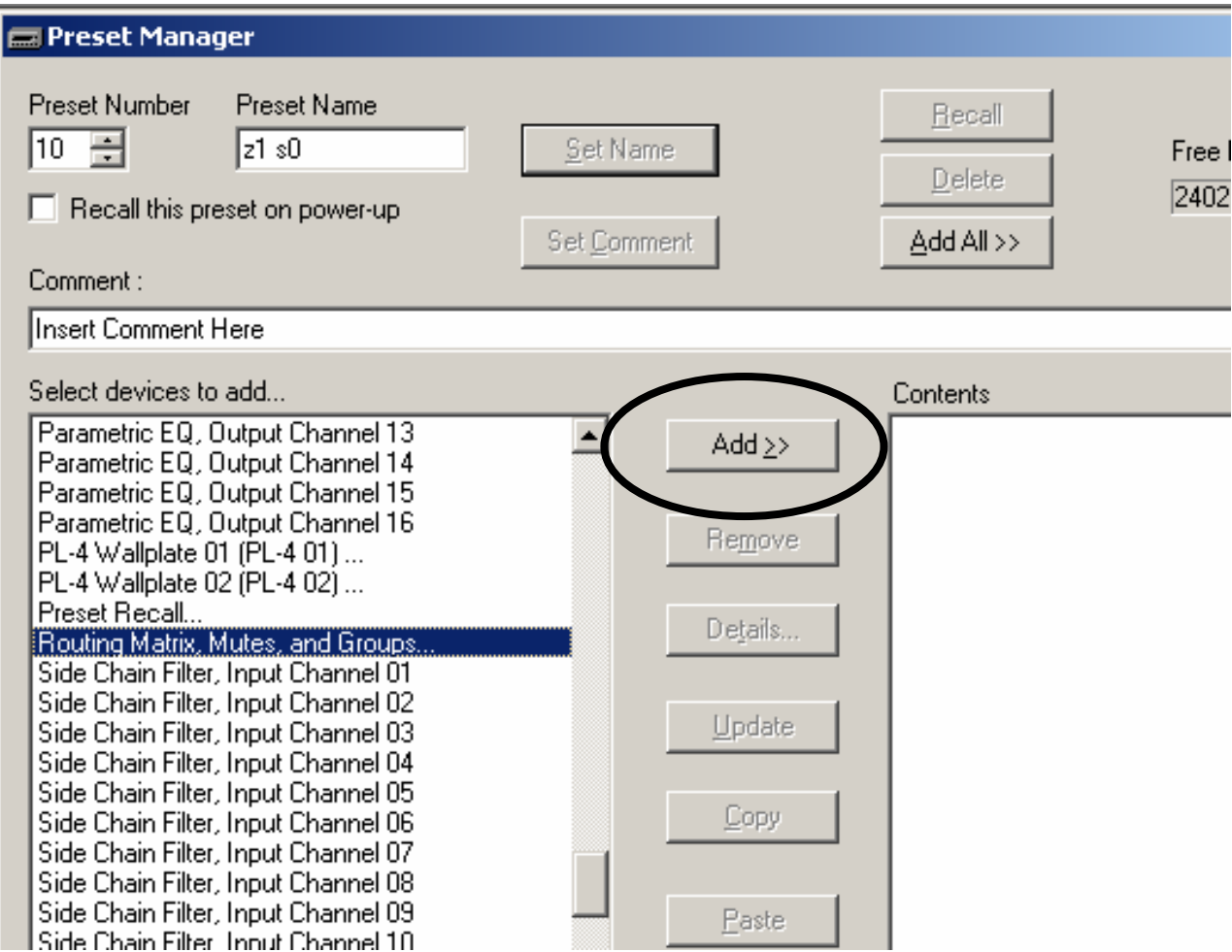
b. Name the preset Zone 1,  
source 0 (Z1 S0)

c. Click Set Name.

The screenshot shows the 'Preset Manager' window. At the top, there is a blue header with the title 'Preset Manager'. Below the header, there are several fields and buttons:

- Preset Number:** A dropdown menu showing '10'.
- Preset Name:** A text input field containing 'z1 s0'.
- Buttons:** 'Set Name', 'Recall', 'Delete', 'Set Comment', and 'Add All >>'.
- Recall this preset on power-up:** An unchecked checkbox.
- Comment:** A text area with the placeholder 'Insert Comment Here'.
- Select devices to add...:** A list of devices including 'Ambient Noise Compensator 01-04' and 'Auto-Mic Mixer 01-02'.
- Buttons:** 'Add >>' and 'Remove'.
- Contents:** A large empty text area on the right side.
- Free I:** A label with the value '2402' in a box.

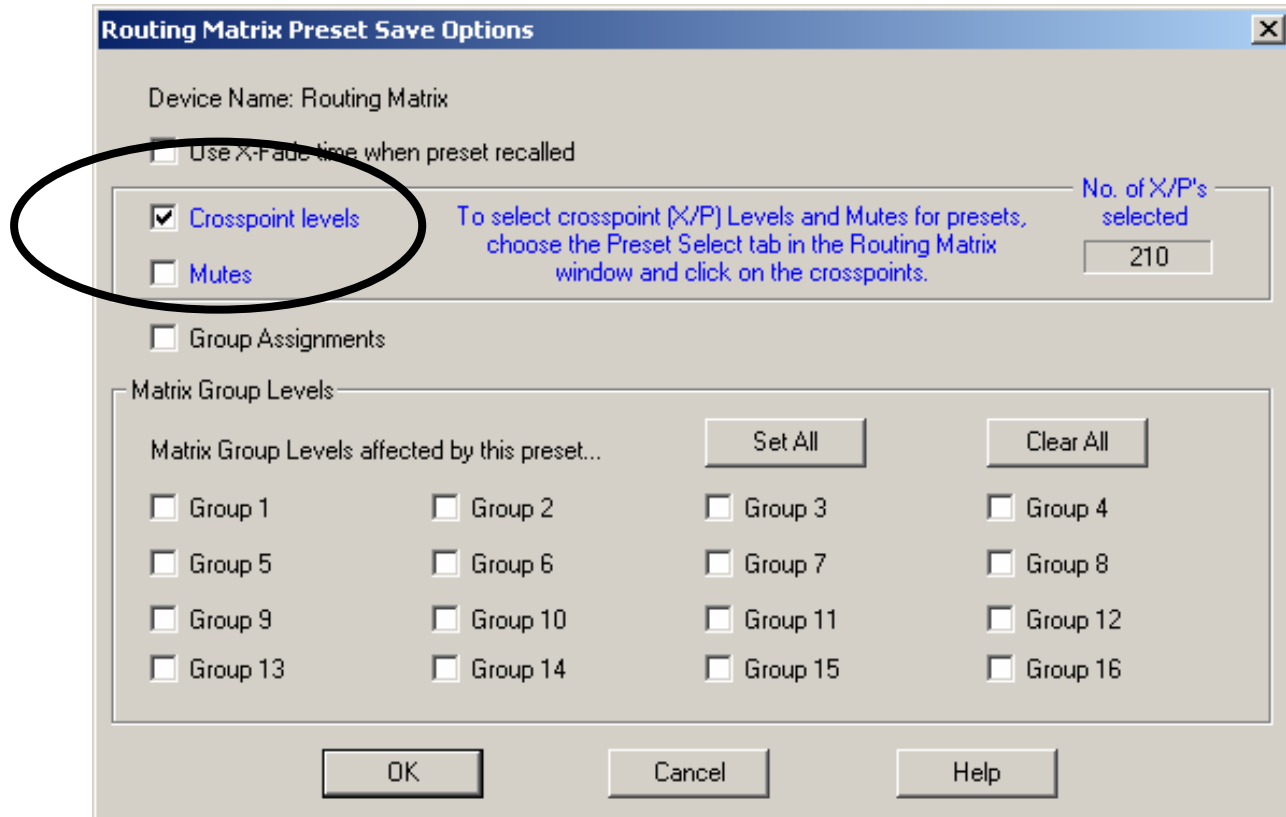
Arrows from the text instructions point to the '10' in the Preset Number dropdown, the 'z1 s0' in the Preset Name field, and the 'Set Name' button.



d. From the Preset Manager -  
Select devices to add list,  
highlight Routing Matrix Mutes  
and Groups.

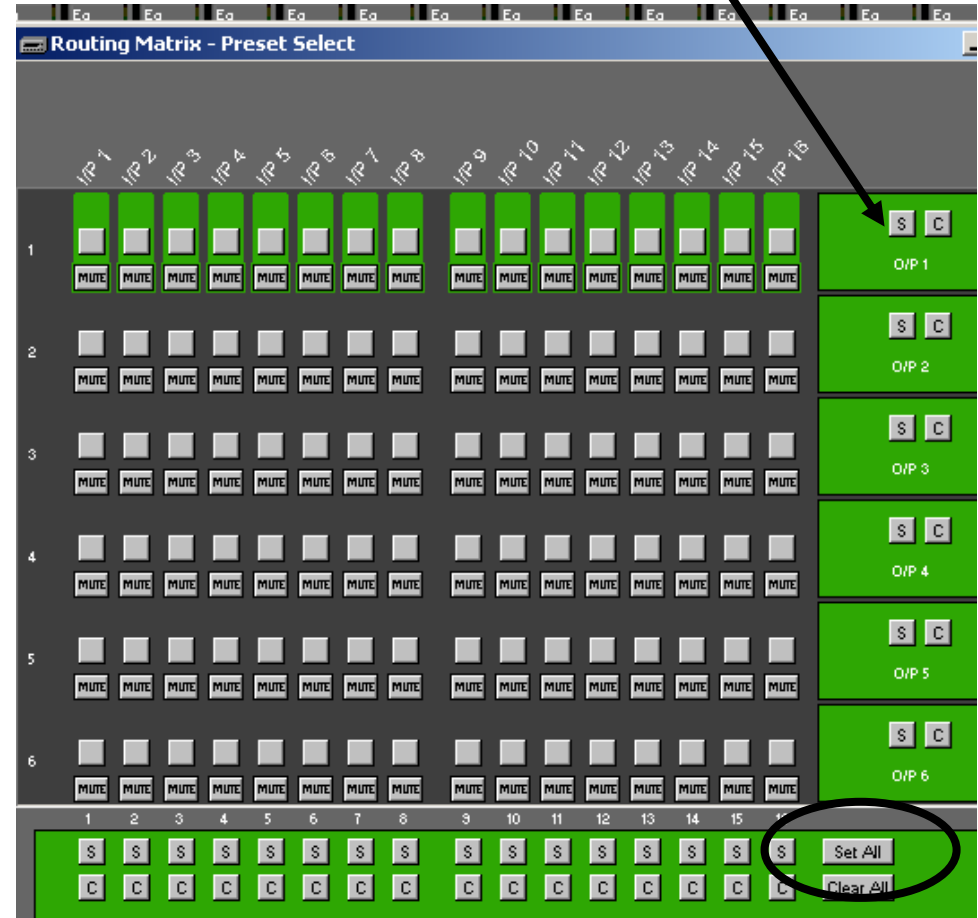
e. Click Add>>

- f. Check Crosspoint levels. If they are not checked, they cannot be saved. This also applies to mutes – if you want to edit a must, the box must be checked to save the changes.



g. In the Routing Matrix, Preset Select tab, Clear All, then select output 1/2 by clicking s.

h. Update the Routing Matrix Mutes and Groups



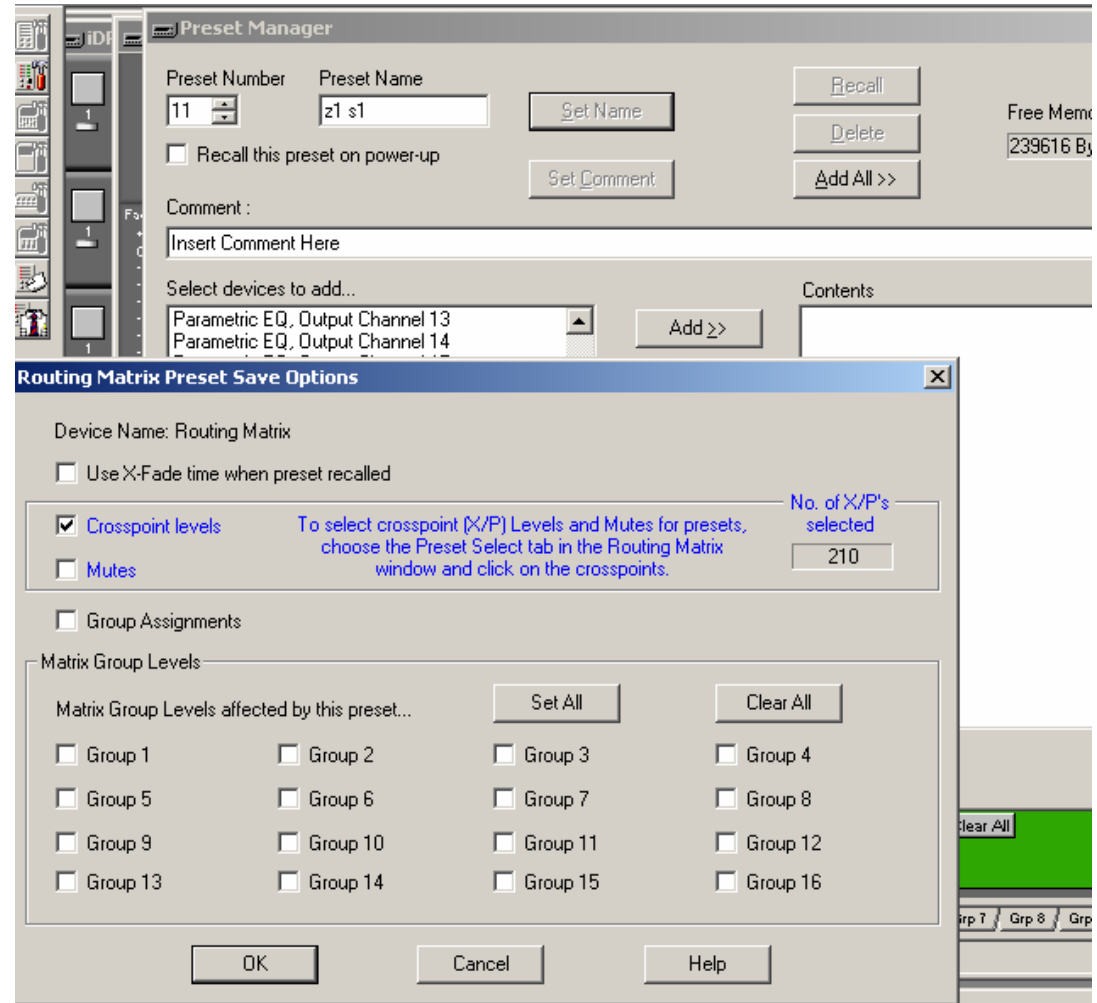
Preset 10 is now programmed with no sources routed to Zone 1.

### ☺ *Archive configuration*

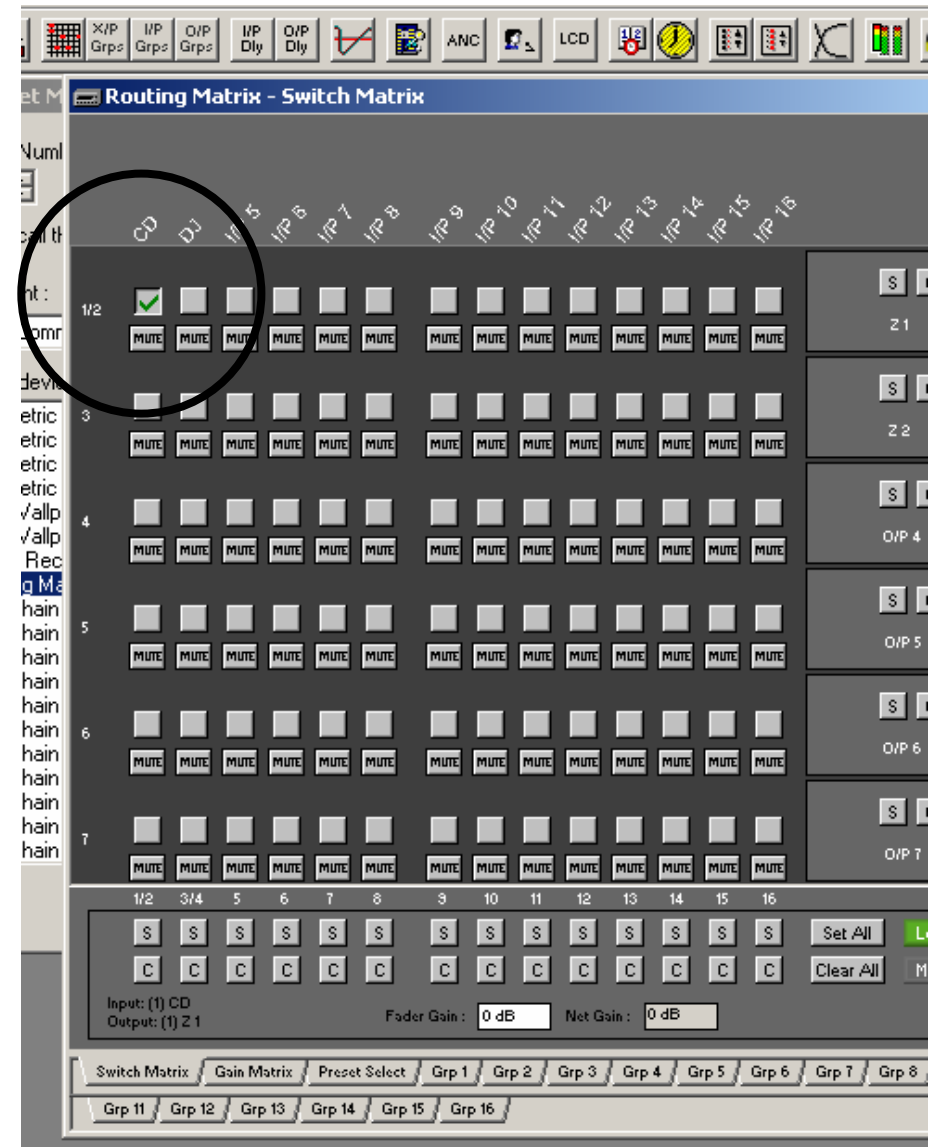


**2.4 Program the routing in preset 11. Zone 1 has source 1 routed.**

- a. In the Preset Manager window, select preset 11.
- b. Name it Z1 S1 (Zone 1 source 1).
- c. Add the Routing Matrix Mutes and Groups to the Contents list.

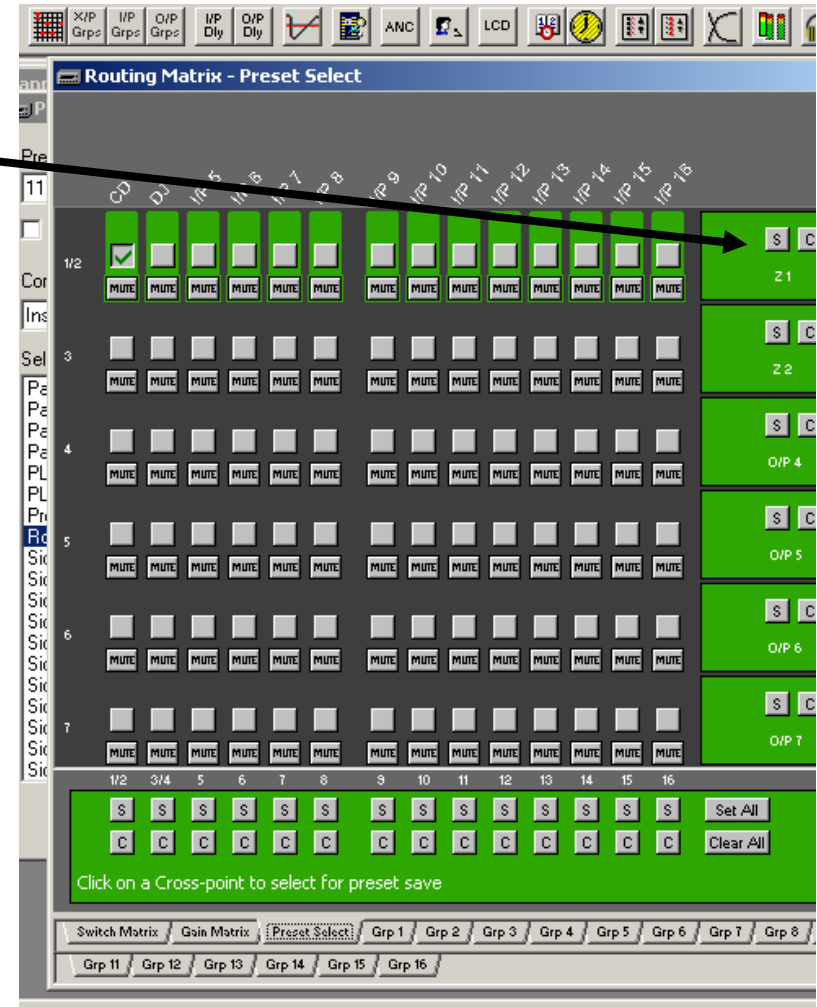


d. In the Routing Matrix, select the Switch Matrix tab, and route CD to o/p 1/2.



The screenshot displays the 'Routing Matrix - Switch Matrix' window. The top toolbar contains various icons for routing and processing. The main area is a grid with columns labeled 'CD', 'DJ', '1/2', '3/4', '5', '6', '7', '8', '9', '10', '11', '12', '13', '14', '15', and '16'. The rows are labeled '1/2', '2 1', '2 2', 'O/P 4', 'O/P 5', 'O/P 6', and 'O/P 7'. A checkmark is present in the cell for input 'CD' and output '1/2'. Below the grid, there are buttons for 'Set All' and 'Clear All', and input/output gain controls. The bottom of the window shows tabs for 'Switch Matrix', 'Gain Matrix', 'Preset Select', and groups 1 through 16.

e. Now select the Preset Select tab. Clear All and activate o/p 1/2 by clicking on the s button.



f. Go to the Preset Manager window, highlight the Routing Matrix Mutes and Groups in the Contents list

g. Update.

h. Check Crosspoint Levels.

i. OK.

☺ **Archive configuration**

## 2.5 Program the routing in preset 12. Zone 1 has source 2 routed.

- In the Preset Manager window, select preset 12.
- Name it Z1S2 (zone 1 source 2).
- Add the Routing Matrix Mutes and Groups to the Contents list.
- In the Routing Matrix, select the Switch Matrix tab, and route DJ to o/p 1/2.
- It is important to remember to un-route CD from o/p 1/2 !!!
- Open the preset Select tab and see that o/p 1/2 is green.
- In the Preset Manager window, update the Routing Matrix.



### ☺ **Archive configuration**

It should now be possible to recall presets 10, 11 and 12 from the Preset Manager window and see the changes in the Routing Matrix.

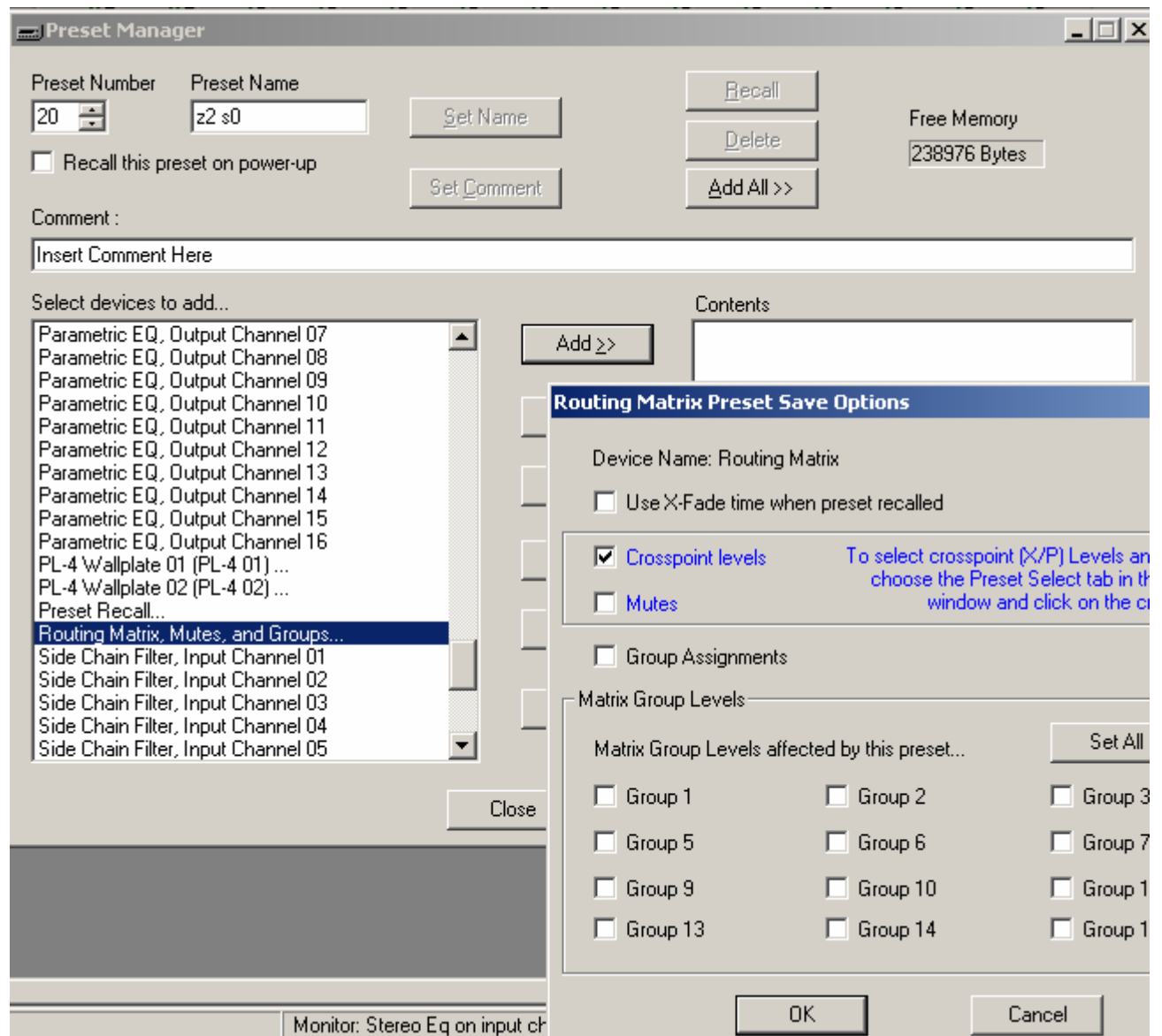
## **2.6 Program the routing in presets 20, 21 & 22**

We have used preset 10, 11 & 12 to route no signal, CD or DJ to zone 1.

<b>Preset number</b>	<b>Action of preset</b>
<b>1</b>	<b>Recalled on power-up. PL units are active and channels are named.</b>
<b>10</b>	<b>Zone 1. No source routed.</b>
<b>11</b>	<b>Zone 1. Source 1 routed.</b>
<b>12</b>	<b>Zone 1. Source 2 routed.</b>
<b>20</b>	<b>Zone 2. No source routed.</b>
<b>21</b>	<b>Zone 2. Source 1 routed.</b>
<b>22</b>	<b>Zone 2. Source 2 routed.</b>

We will now use presets 20, 21, 22 to route no signal, CD or DJ to zone 2.

- a. Name preset 20 z2 s0 (Zone 2 source 0)
- b. Add the Routing Matrix Mutes and Groups
- c. Check Crosspoint levels
- d. Click OK

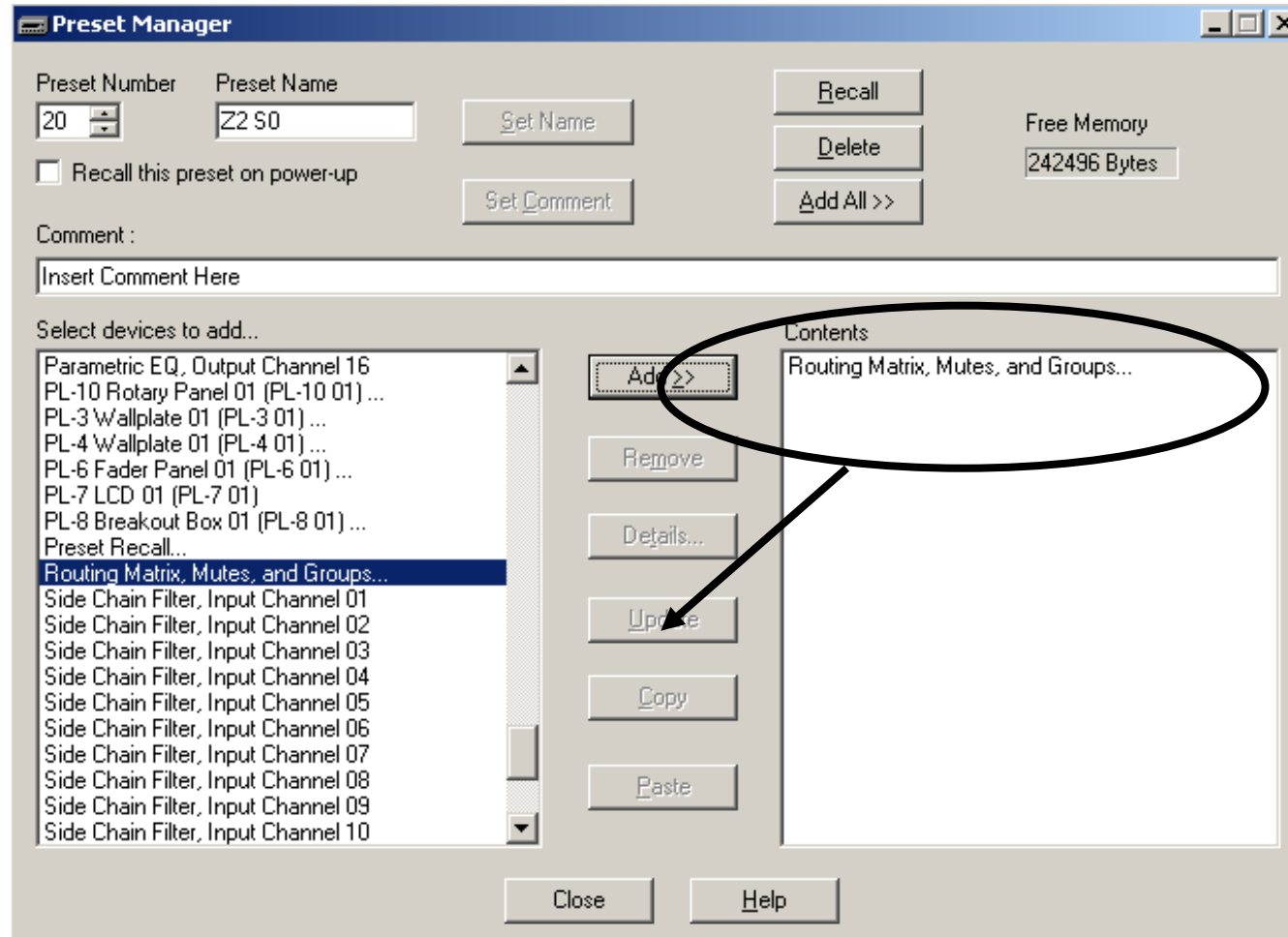


e. In the Routing Matrix, Preset Select tab, de-select output 1/2, Zone 1 and select output 3, Zone 2

f. No signal routed.

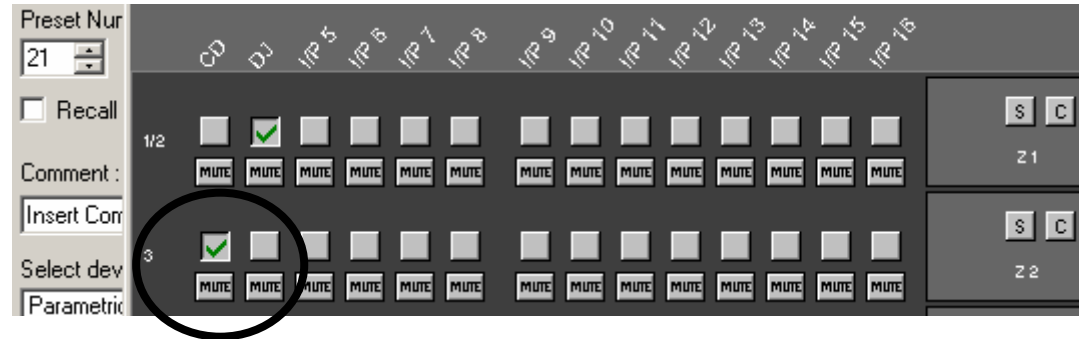
The screenshot displays the Allen & Heath iDR software interface. On the left, the 'Preset' tab is active, showing 'Preset Number' set to 20 and a 'Recall' checkbox. Below this is a 'Comment' field and a 'Select device' list with 'Routing Matrix' selected. The main area is the 'Routing Matrix', a grid with columns for input channels (CD, DJ, I/P 5-16) and rows for output zones (1/2, 3, 4, 5, 6, 7). The '1/2' row is highlighted in green, and the '3' row is also highlighted in green. A green checkmark is visible in the 'I/P 5' column of the '1/2' row. The 'Preset Select' tab is circled in black. The status bar at the bottom indicates 'Monitor: Stereo Eq on input channels 1/2' and 'Current Preset 1: Start'.

g. Update the Routing Matrix Mutes and Groups



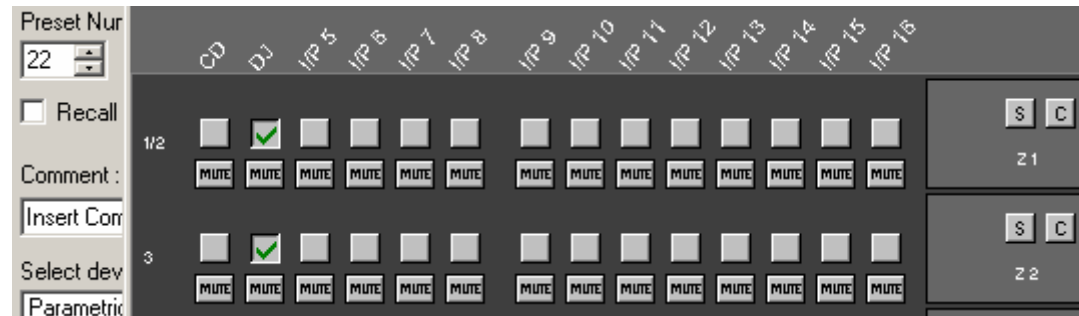


h. Select Preset 21 & name it Z2 S1, In the Routing Matrix, Switch matrix tab, route CD to Zone2. Note that the routing for Zone 1 (o/p 1/2) no longer matters. Zone 1 is no longer selected (green) in the preset Select tab and it's routing will not be affected or updated.



i. Update the Routing Matrix Mutes and Groups in Preset Manager.

- j. Select preset 22 and name it Z2 S2
- k. Add the Routing Matrix Mutes and Groups
- l. In the Routing Matrix, un-route CD from Zone 2 and route DJ to Zone 2



m. Update the Routing Matrix Mutes and Groups

☺ **Archive configuration**

## Conclusion

Now you can see the routing matrix change as you recall presets 10, 11, 12 & 20, 21, 22 from the Preset manager.