

ALF-CP1L

Source Selection Programming Guide

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Version: ALF-CP1L Source Selection configuration guide – V1.0 10012023

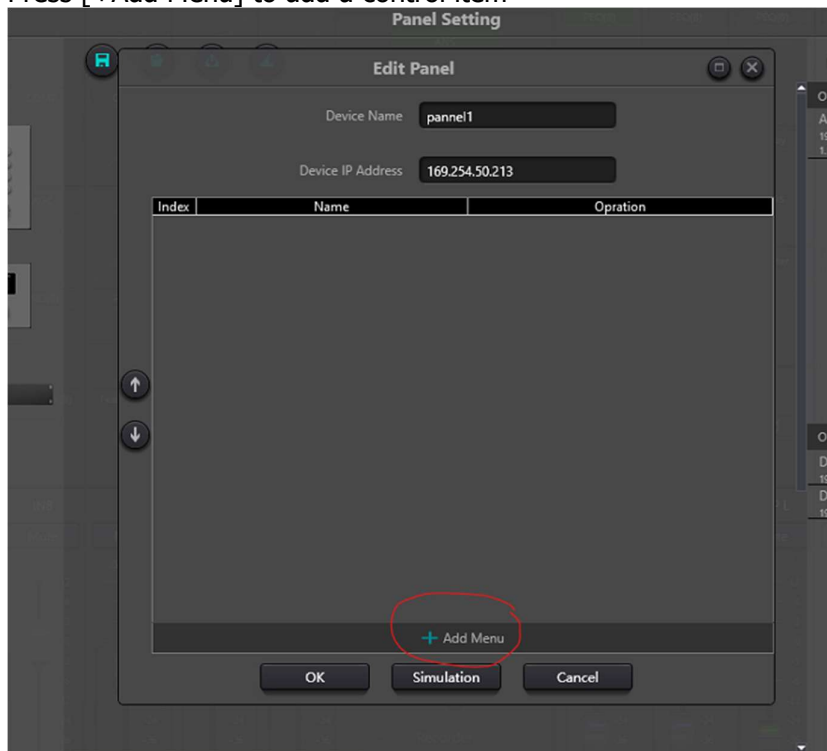
Overview

This guide is an overview of the process to program the matrix cross points of the ALF-DSP44-U/UD and ALF-DSP88-U/UD range for source selection from the ALF-CP1L wall controller.

Once you have added a new ALF-CP1L or selected an online ALF-CP1L from the Panel Settings window, please follow these steps to program 'source' selection on the ALF-CP1L using the 'command' function on the ALF-CP1L

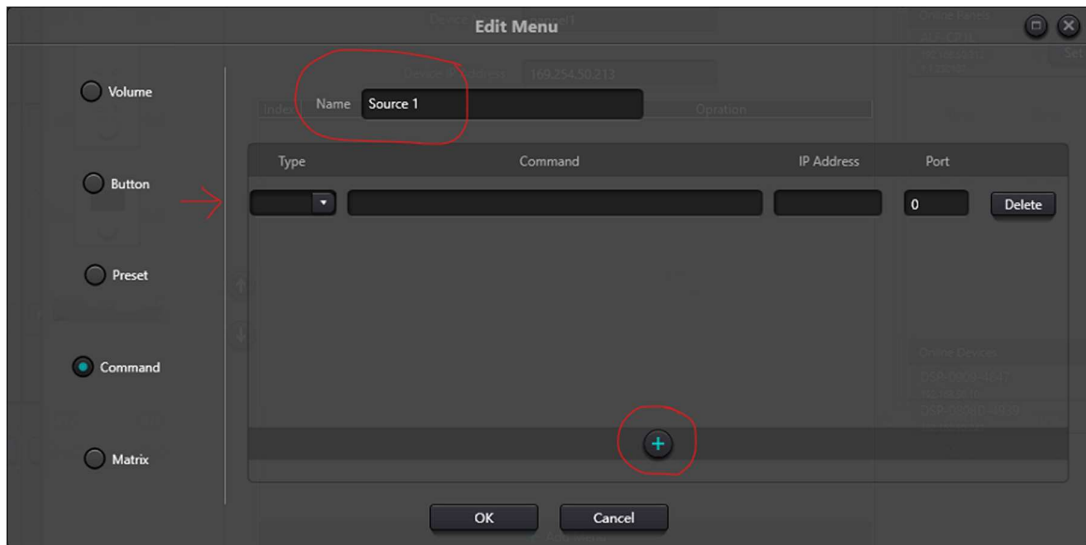
Step1:

- Select the panel b double left-click to open the edit the panel
- Press [+Add Menu] to add a control item



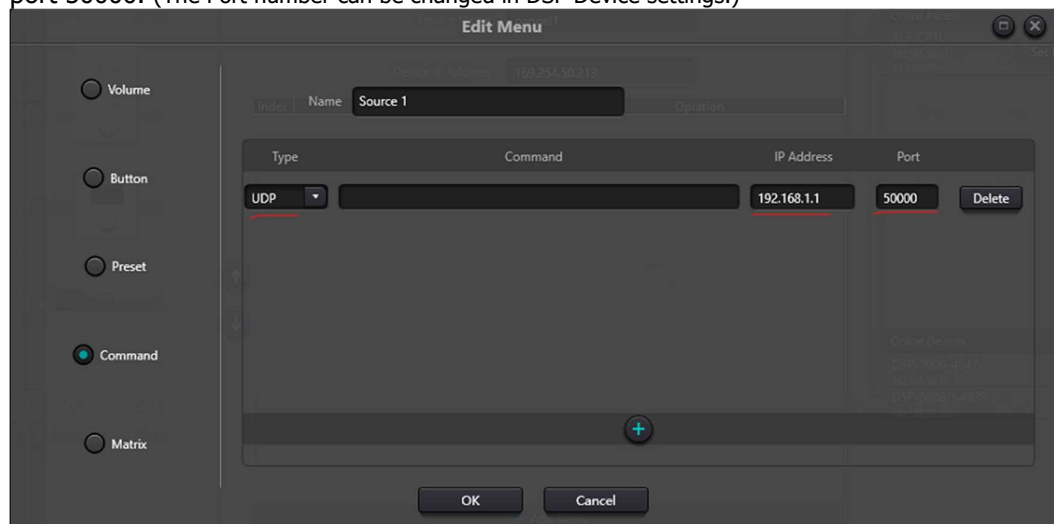
Step 2:

- Select [Command] as the control type to use
- Name the Control item – this is the name displayed on the ALF-CP1L
- Once the control items is named, press the [+] button to add a command line



Step 3:

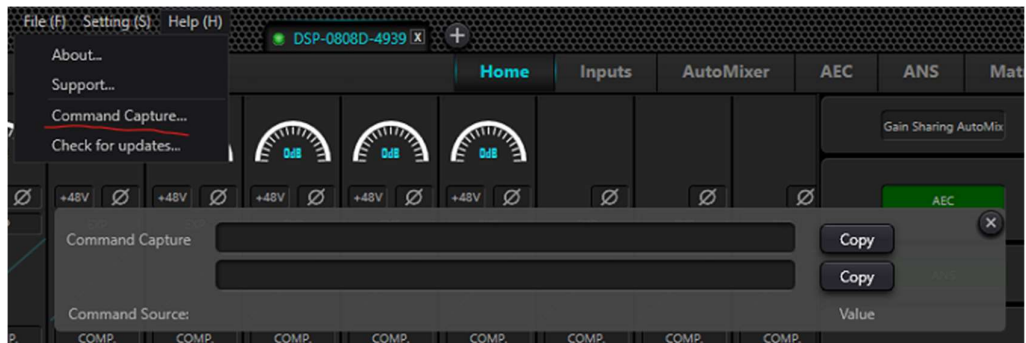
- Choose the command type or command protocol to use. In this example we will use UDP for IP Control
- The IP Address window is the IP address that you wish to send the command too. In this example, we are address our ALFDSP88-U dsp with IP address 192.168.1.1. Please change this to your selected DSP's IP address.
- In the Port window, type in the UDP port address to be used. The default for the DPS's is port 50000. (The Port number can be changed in DSP Device settings.)



Step 4:

- For this step, navigate back to the DSP software main page
- Select the Help menu and open the 'Command Capture' window.

*The Command Capture window can be used to capture any string commands of the DSP's controls or functions easily from the DSP software. The commands are captures in HEX and ASCII. We will use HEX commands for our purposes.



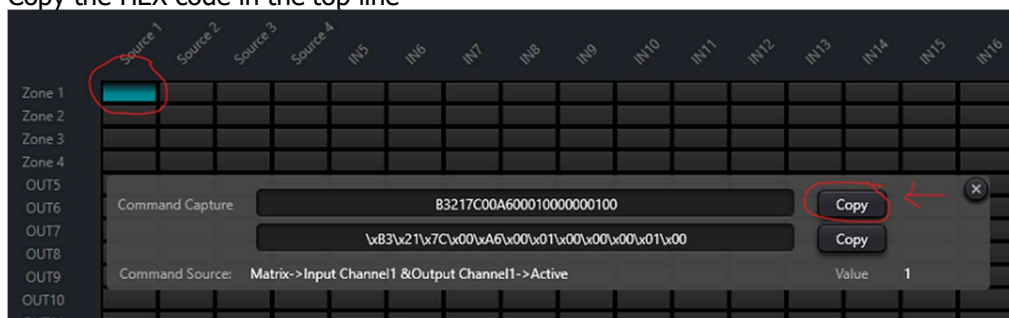
Step 5:

- Open the matrix section of the DSP

*For our example we will only use **Source 1** through **4** routed to **Zone 1** to demonstrate the principle of 'Source selection'. We will create multiple strings of commands to be sent from the CP1L to the DSP's matrix by using the Crosspoint's on/ off/ commands from the command capture window.

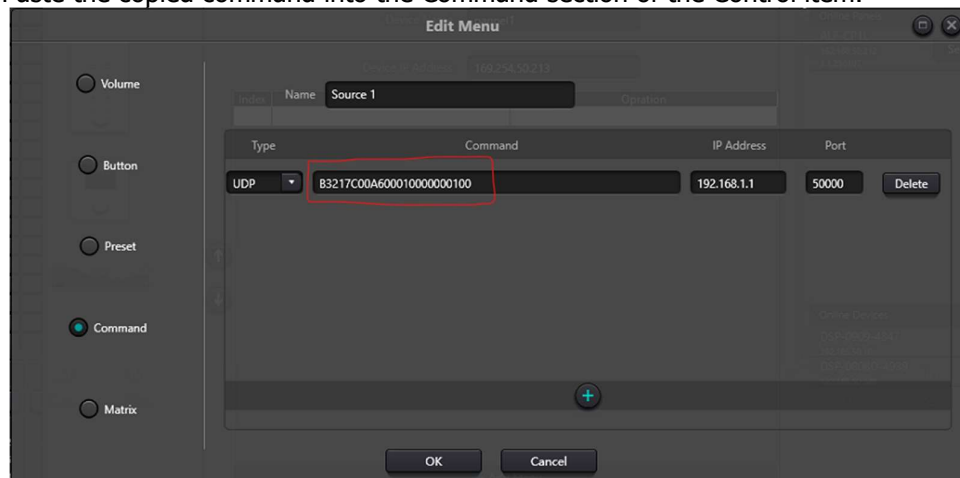
Step 6:

- Now, select or turn on Source 1 – zone 1
- Copy the HEX code in the top line



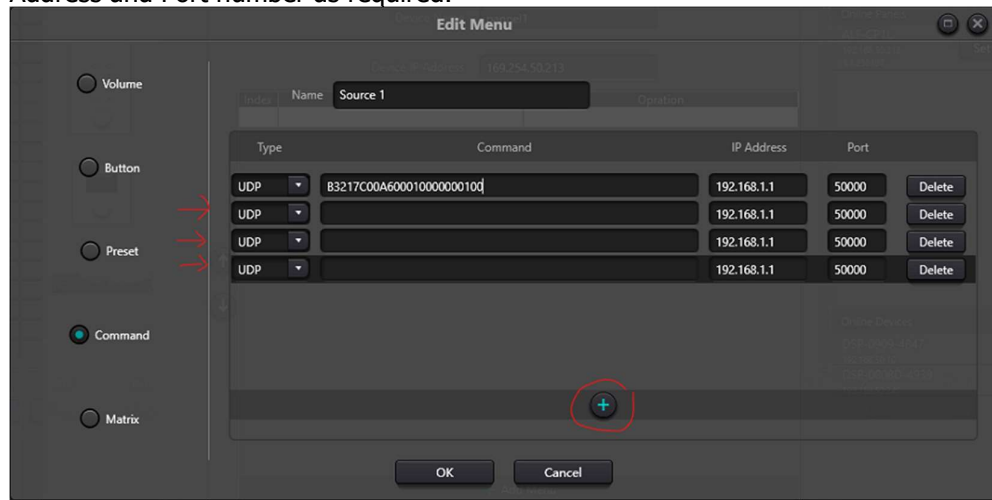
Step 7:

- Navigate back to the Panel Settings window to access the CP1L control dialog again for Source 1.
- Paste the copied command into the Command section of the Control item.

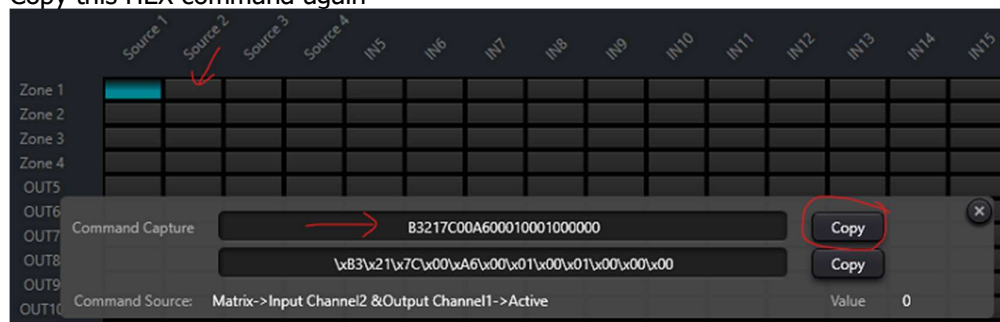


Step 8:

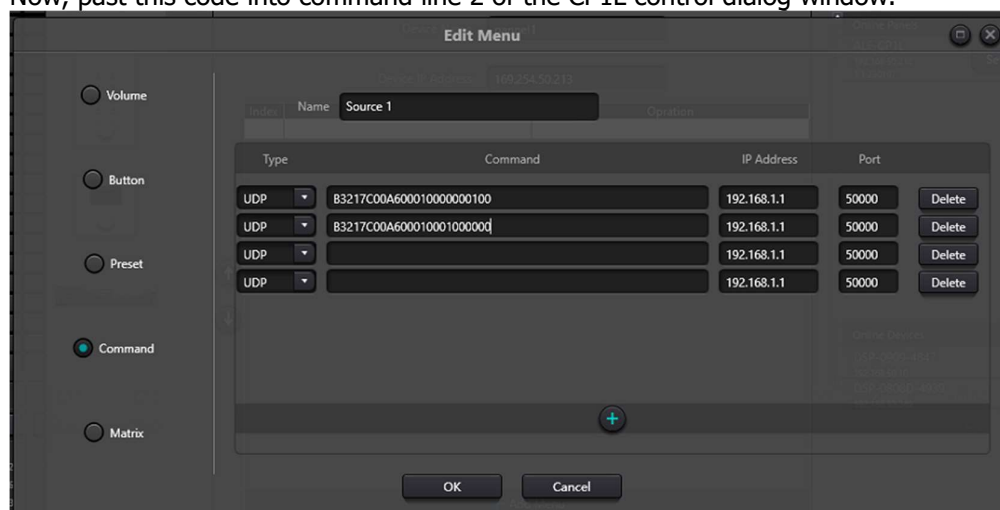
- Add 3 more command lines and follow step 3 to set them up accordingly to UDP, IP Address and Port number as required.

**Step 9:**

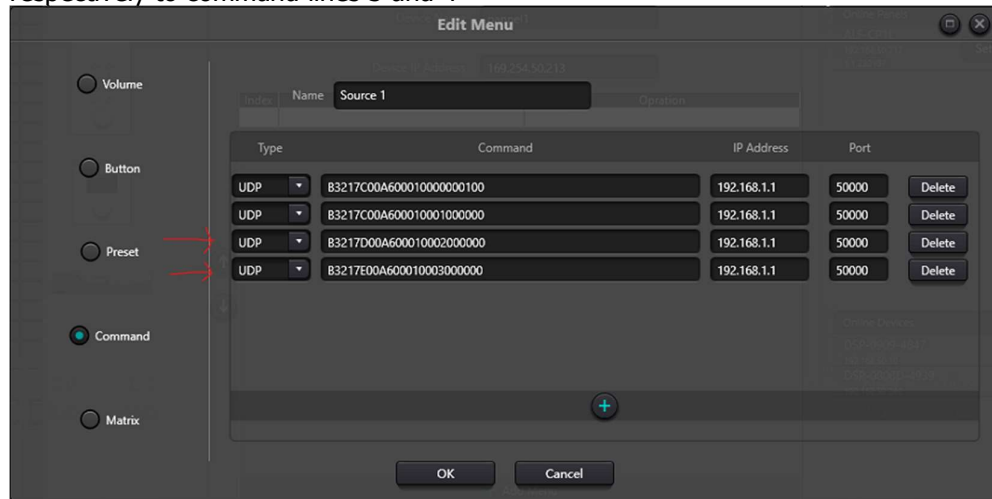
- Navigate back to the DSP Software to access the Matrix.
- Now select to turn on Source 2 to Zone 1, and immediately deselect it again to turn it.
- Copy this HEX command again

**Step 10:**

- Now, past this code into command line 2 of the CP1L control dialog window.



- Repeat this process from steps 9 and 10 to add the 'off' commands for sources 3 and 4 respectively to command lines 3 and 4



- Press [OK] to complete the programming

In this example, we have created a multi string 'button' that selects or turns on Source 1 to Zone 1 on the Matrix, and turns off or deselects Source 2, 3 and 4 to zone 1. In this way you are ensured you are not 'mixing' sources and rather selecting them each individually to their respective zones.

You can now follow this process for each subsequent source selection you wish to add for each zone.

For more information on programming of our Alfatron DSP range, please visit our website at www.alfatronelectornics.com or view our DSP setup guides on our YouTube channel at <https://www.youtube.com/@alfatronelectronics7836>