



# **ASP8024**

## Dual Layer Control

Operating Instructions

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# Contents

<b>3</b>	<b>Dual Layer Control Overview</b>
<b>4</b>	<b>Control Surface Overview and Installation</b>
<b>5</b>	<b>MAC Installation</b>
5	DAW Ethernet Connection (MAC)
6	Networking with MAC
7	Setting up the console with DHCP (for use with routers)
<b>8</b>	<b>PC Installation</b>
8	DAW Ethernet Connection (PC)
9	Networking with PC
11	Setting up the console with DHCP (for use with routers)
<b>12</b>	<b>Firmware Updates</b>
<b>13</b>	<b>ASP8024-DLC Audio Functionality</b>
<b>15</b>	<b>Block Diagram</b>

The installation, setup and configuration of the ASP8024 DLC is identical to that of the ASP2802. For instructions on how to implement the control features within your workstation, please refer to the DAW specific control surface manuals found online at [www.audient.com/DLC](http://www.audient.com/DLC)



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## Dual Layer Control Overview

The ASP8024 has become a benchmark mixing console for recording studios. Its simplicity, elegance and sound quality have been the hallmarks of the Audient brand since its formation in 1997.

Audient remains firmly committed to the analogue world - after all, there lies the wealth of experience and expertise of founders David Dearden and Gareth Davies. So how does an analogue company evolve in an ever increasingly digital world? Quite simply, by combining the best of the two domains.

An in-line console gives you precision control over your mixes, and now with Dual Layer Control you can have command over your DAW software as well – plus moving fader automation of 8 sub groups or 8 external signals via rear panel connections.

Utilising the same control features as the groundbreaking small format ASP2802 console, Dual Layer Control transforms the ASP8024 into the ultimate studio tool. This is the most significant update to ASP8024 since its release and brings the specification of ASP8024 to a level unmatched by anything in its price range.

### Dual Layer Technology

The Dual Layer Control module adds Audient's new Dual Layer Technology to the ASP8024 console, offering the following features:

- Analogue automation via 8 moving faders
- 8 extra line inputs, routable to the mix bus or sub groups
- Hi Resolution OLED display
- Transport control
- DAW fader control and automation
- DAW auxiliary automation
- Control of plug-ins
- DAW record arming
- Jog wheel
- Project navigation
- Ethernet connection to host computer

Platforms supported:

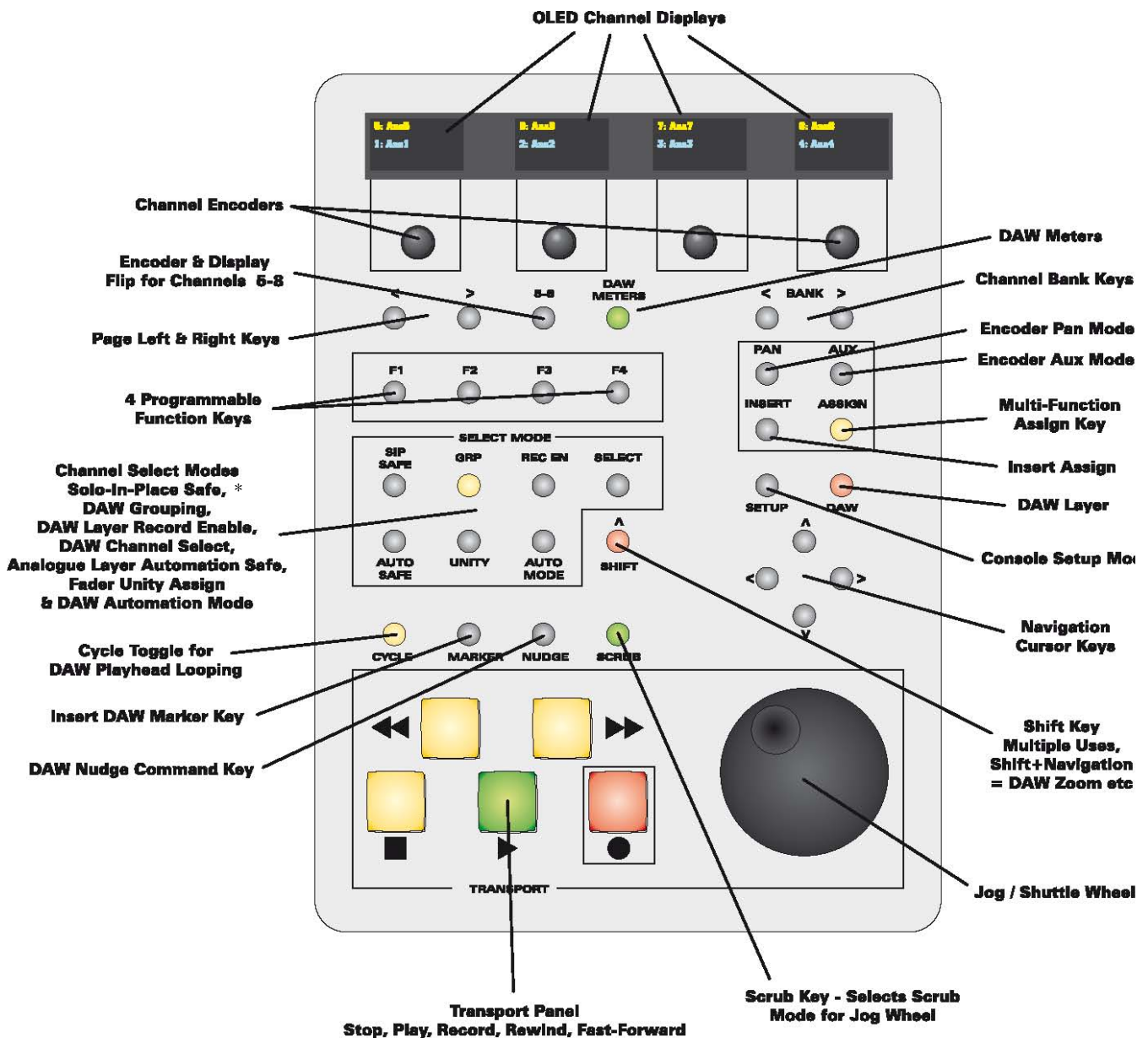
Pro Tools

Logic

Cubase

Nuendo

# Control Surface Overview and Installation



\*Please note that the *Solo-In-Place Safe* button is not implemented in ASP8024-DLC.

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## DAW Ethernet Connection (MAC)

You can use standard Cat-5e Ethernet cable to connect ASP8024-DLC to your studio DAW computer. The interface is compatible whether you use a straight through or crossover cable.

Please ensure that you have downloaded and installed the latest version of our AuNet.dmg application from [www.audient.com](http://www.audient.com).



On Apple computers please ensure that AuNet is added to your applications folder via drag and drop.

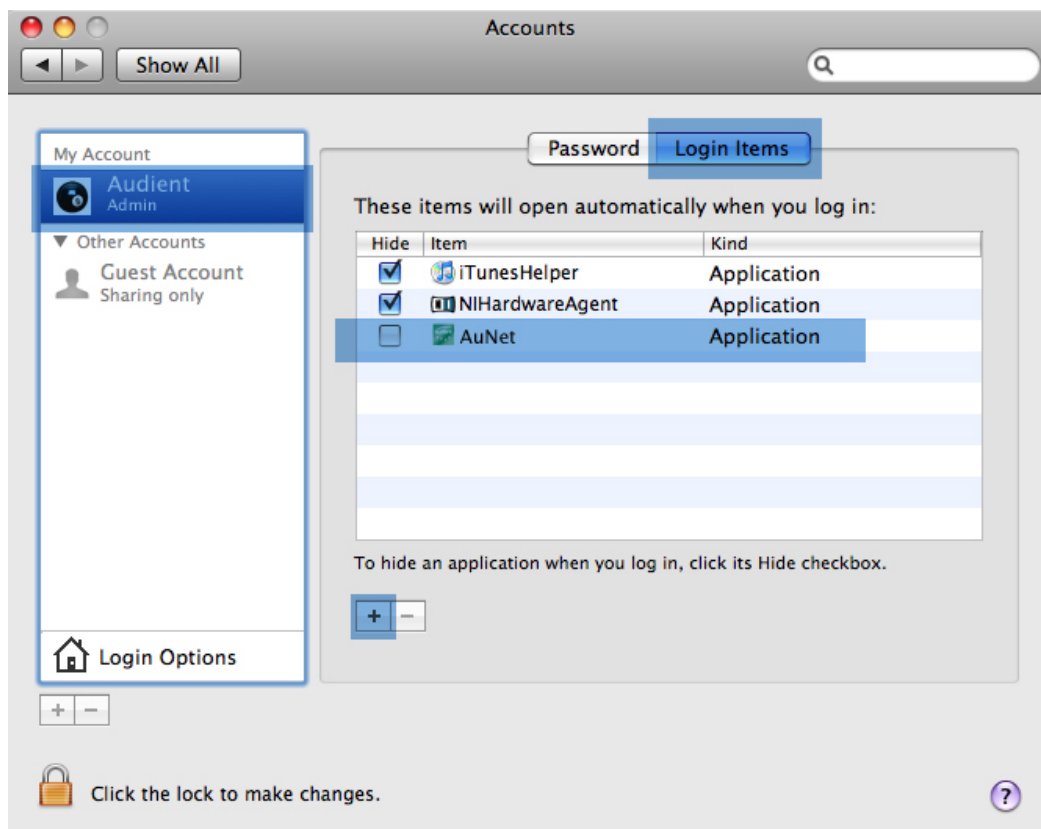
Macintosh HD > Applications

You can enable the application to always boot upon user log-in, therefore preventing any forgetfulness!

To achieve this, do the following:

System Preferences > Accounts > (select the account you wish to alter on the left hand side) > Login Items Tab > Add New Application (+ Button) > Browse and select AuNet.

Every time this user account opens, AuNet should now boot.



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## Networking (MAC)

Once you have connected ASP8024-DLC to your studio computer via either a direct Ethernet link or through a router and installed AuNet, you are ready to set up the networking side of the console.

### IP Address Setup for Direct Connection

Unless you have a router in your studio, it is most likely that you will directly connect ASP8024-DLC to your DAW via a direct Ethernet link. First you must set your DAW IP address (please note if you do have a router, this should not be adjusted and you should skip to the next section).

On Apple computers please do the following:

System Preferences > Network > Ethernet Tab > Locations > Edit Locations > Add New Location (+ Button) > Name "ASP8024-DLC" > Select this Location > Set Configure to Manually

> Set IP Address to **192.168.0.1**

> Set Subnet Mask to **255.255.255.0**

### On the Console

Moving across to ASP8024-DLC panel, power up the console and once booted, press the SETUP button. The OLED displays will show the first page of console setup. First set the application you are using with ASP8024-DLC.

The options at the time of release include:

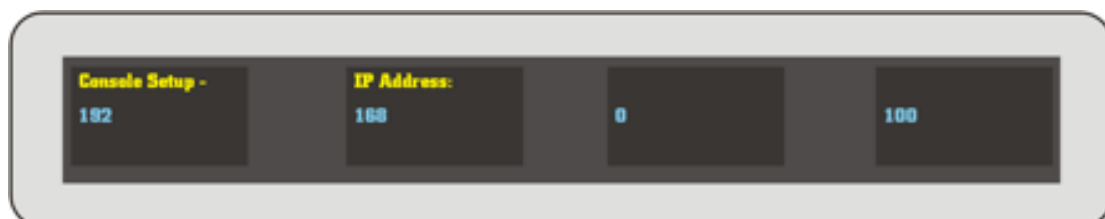
- Apple Logic 9
- Avid Pro Tools 8
- Steinberg Cubase 5 (Nuendo)

Use the first rotary encoder to select the required DAW application. Note that once a change has been made, the setup switch LED will flash to indicate that a setting has changed. If you exit setup by pressing the switch once more and then return by entering setup again, you will notice that your setting has been automatically saved.

Using the page keys, page to the right and ensure that *Use DHCP* is set to **NO**.

Page right again to reach the IP address screen and set the IP address to 192.168.0.100 (default) using the encoders, then move to the fourth page, and check that the subnet mask is set to 255.255.255.0.

### IP Address set to 192.168.0.100



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### Subnet Mask set to 255.255.255.0



### Port set to 1212



Press the setup key again to exit setup and your setting will be saved.

Now power down the console and restart your Apple computer. Once booted, ensure that the AuNet application is running and open on your DAW machine. Next, power up the console.

After the console boots, it should be picked up by AuNet (you may have to repeat the power down / restart process if you are experiencing difficulties).

AuNet should indicate detection of the console and should also show you the serial number of the console. Select the console and click on the connect button to the bottom right.

Your console should now be connected to your studio DAW computer and ready for configuration as a HUI™ control surface and analogue automation platform.

### Setting up the console with DHCP (for use with routers)

If you have more than one device connected to your DAW computer, you will most likely be using a network router to talk to all of these devices. If you have connected ASP8024-DLC to your DAW computer via a network router, you will need to use DHCP to enable automatic configuration of IP address, providing fast and smarter networking.

Ensure that you enable DHCP in your DAW computer system preferences (you should already know how to do this if you are running an existing network). You will most likely be running DHCP with automatic IP hand out. Ensure that the console is set to use DHCP on the second page of the setup menu, once set reboot the console and follow the same AuNet connection procedure as outlined previously once the console is detected.

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## DAW Ethernet Connection (PC)

You can use standard Cat-5e Ethernet cable to connect ASP8024-DLC to your studio DAW computer. The interface is compatible whether you use a straight through or crossover cable.

Please ensure that you have downloaded and installed the latest version of our AuNet.msi application from [www.audient.com](http://www.audient.com).

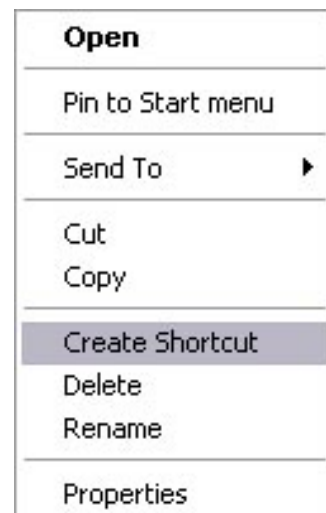
On PC computers please ensure that AuNet is installed using the provided .msi package.

The program will be added to your local system drive (C:) and a folder will be created under:  
C:\ Program Files \ Audient

You can enable the application to always boot upon user log-in using the Windows Start Up folder in XP.

To do this create a new shortcut for AuNet by right clicking on the application icon and selecting 'Create Shortcut'. Drag and drop this shortcut into the following location:

C:\ Documents and Settings \ All Users \ Start Menu \ Programs \ Startup





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## Networking (PC)

Once you have connected AS8024-DLC to your studio computer via either a direct Ethernet link or through a router and installed AuNet, you are ready to set up the networking side of the console.

### IP Address Setup for Direct Connection

Until your console is connected (or any other LAN device to your PC), the LAN status indicated in Control Panel > Network Connections will be unplugged.

Right click on the Local Area Connection icon and select *Properties*.

Networking (PC) In the Local Area Connections properties dialogue window scroll down and select Internet Protocol TCP/IP and then open the properties dialogue box with the button to the right.

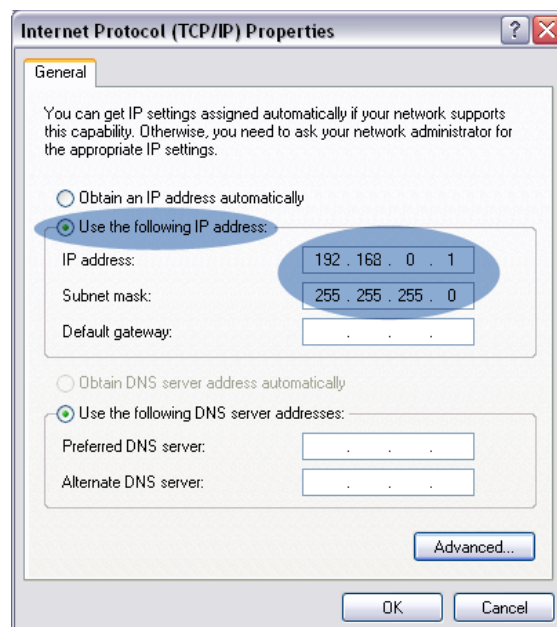
Here select the 'use the following IP address' radio button.

> Set IP Address to **192.168.0.1**

> Set Subnet Mask to **255.255.255.0**

Leave the default gateway blank and click OK.

Your PC may take some time to apply the settings so please be patient. Power the console on and once booted, check that a connection has been opened in the Network Connections window via the Control Panel.



### On the Console

Moving across to ASP8024-DLC panel, power up the console and once booted, press the SETUP button. The OLED displays will show the first page of console setup. First set the application you are using with ASP8024-DLC.

The options at the time of release include:

- Apple Logic 9
- Avid Pro Tools 8
- Steinberg Cubase 5 (Nuendo)

Use the first rotary encoder to select the required DAW application. Note that once a change has been made, the setup switch LED will flash to indicate that a setting has changed. If you exit setup by pressing the switch once more and then return by entering setup again, you will notice that your setting has been automatically saved.

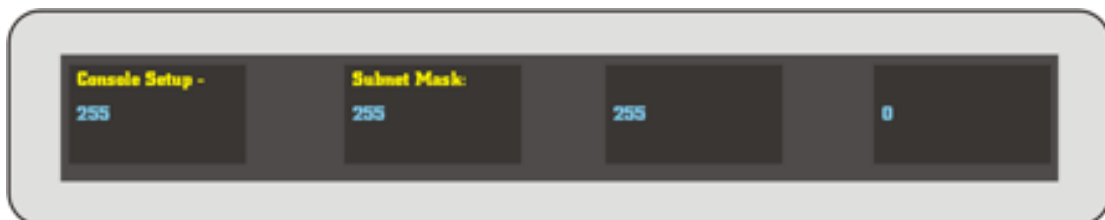
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Using the page keys, page to the right and ensure that *Use DHCP* is set to **NO**. Page right again to reach the IP address screen and set the IP address to 192.168.0.100 (default) using the encoders, then move to the fourth page, and check that the subnet mask is set to 255.255.255.0.

**IP Address set to 192.168.0.100**



**Subnet Mask set to 255.255.255.0**



**Port set to 1212**



Press the setup key again to exit setup and your setting will be saved.

Now power down the console and restart your PC.

Once booted, ensure that the AuNet application is running and open on your DAW machine. Next, power up the console.

After the console boots, it should be picked up by AuNet (you may have to repeat the power down / restart process if you are experiencing difficulties).

AuNet should indicate detection of the console and should also show you the serial number of the console. Select the console and click on the connect button to the bottom right.

Your console should now be connected to your studio DAW computer and ready for configuration as a HUI™ control surface and analogue automation platform.

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If you need to exit the AuNet program it will still run in the systray until you manually quit by right clicking on the icon in the system tray and select quit.

### **Setting up the console with DHCP** (for use with routers)

If you have more than one device connected to your DAW computer, you will most likely be using a network router to talk to all of these devices. If you have connected ASP8024-DLC to your DAW computer via a network router, you will need to use DHCP to enable automatic configuration of IP address, providing fast and smarter networking.

Ensure that you enable 'obtain IP addresses automatically' in:  
Network Connections > Local Area Connections > Internet Protocol TCP/IP Properties (you should already know how to do this if you are running an existing network).

You will most likely be running DHCP with automatic IP hand out. Ensure that the console is set to use DHCP on the second page of the setup menu, once set reboot the console and follow the same AuNet connection procedure as outlined previously once the console is detected.

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## **Firmware Updates**

When updates are released for your console to improve control surface workflow, bug fixes and add new features, you will need to update the console firmware.

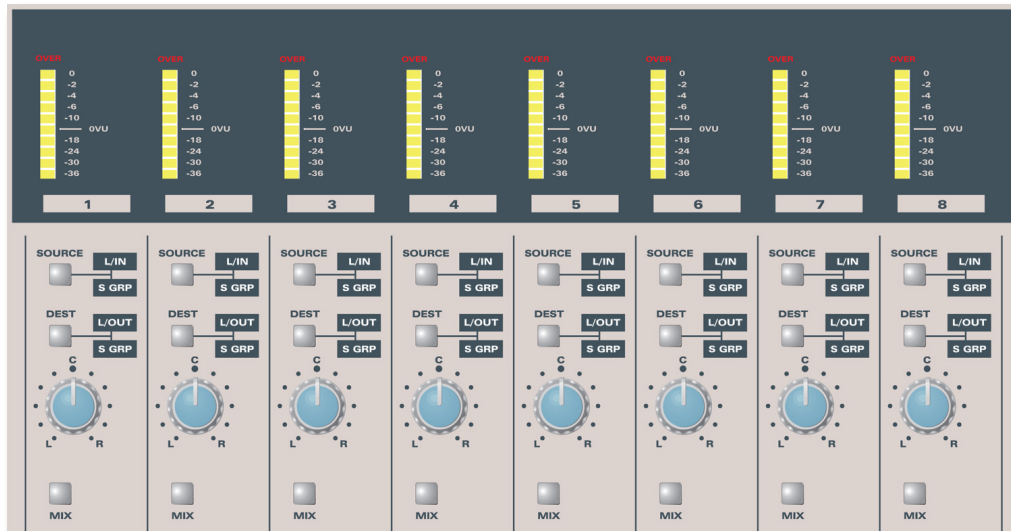
To do this please visit [www.audient.com](http://www.audient.com) to obtain the latest firmware from the ASP8024-DLC webpage and follow the simple instructions provided along with the firmware download to flash the new upgrade to the console memory.

If you experience any issues please read the ASP8024-DLC FAQ found online at [www.audient.com/DLC](http://www.audient.com/DLC)

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# ASP8024-DLC Audio Functionality

Here is a rundown of the functions of the eight analogue DLC channels.



## SOURCE Button

The eight DLC channels can be sourced from the line-in connections on the rear of the console or be fed from the sub groups on the ASP8024 itself.

The line-in connections are selected by default when the button is in the UP position. Depressing the SOURCE switch will input the sub group audio equivalent to that channel number. These buttons are individually switchable to allow the greatest flexibility within the DLC panel.

## DESTINATION Button

The eight DLC channels can be assigned to the line-out connections on the rear of the console or to the sub group.

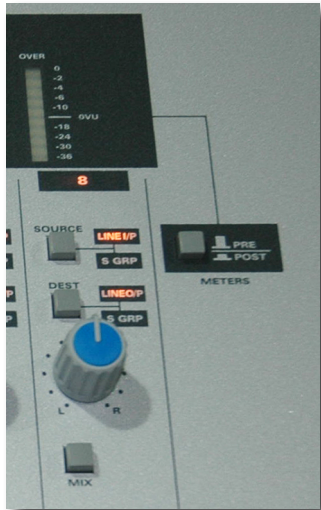
The line-out connections are selected by default when the button is in the UP position. Depressing the DESTINATION switch will assign audio to the equivalent sub group of that channel. Again, these buttons are individually switchable to allow the greatest flexibility within the DLC panel.

## Pan Control

Pans the audio to the mix.

## MIX Button

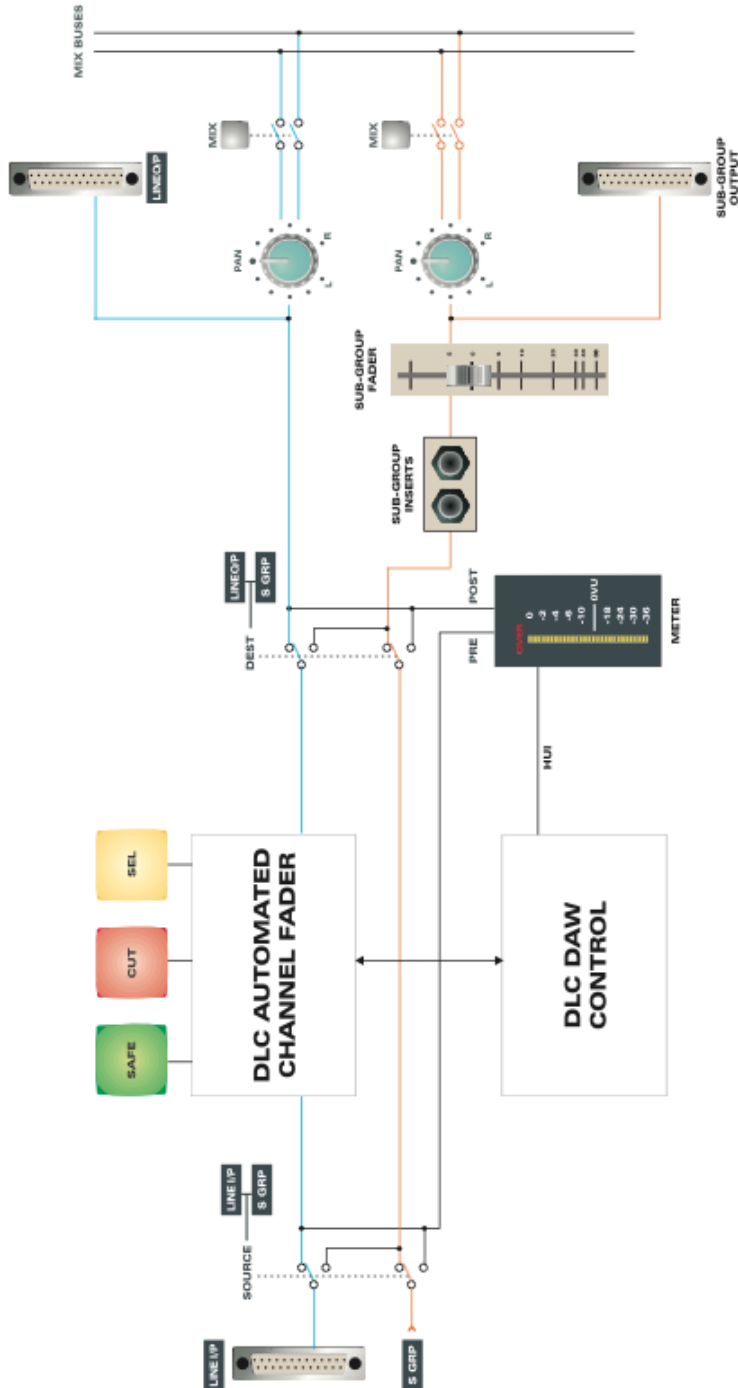
Press this switch to assign the output of the DLC channel to the Mix bus. You can therefore route the line-in sources directly to mix, effectively adding a further eight channels of inputs to your console.



### **METERS Button**

Globally switches the eight meters between PRE (UP position) and POST (DOWN position) the DLC channel fader, unless DAW Meter switch on Control Surface is selected.

# Dual Layer Control Block Diagram



— DEFAULT ASP8024 DLC PATH

— DEFAULT ASP8024 SUB-GROUP PATH

