

# Installation

On the rear panels of the Custom Series 75 you will find the input and output connections on a combination of DB25, TRS and XLR connectors. The wiring diagrams for each connector can be found in the Wiring Diagrams section of this manual.

The following section details the console connections.

## Health & Safety

When initially setting up the Custom Series 75 console there are a number of health and safety aspects which must be considered. See the H & S document provided with the console when delivered for in depth information, and observe the following at all times.

- » Make sure the power supply and interfaces are switched off, and have been off for at least 1 minute, before connecting/ disconnecting power to the console.
- » Be aware that it is unsafe to expose the console directly to liquid. Position the console away from air conditioners that may drip water unexpectedly. It is also not recommended to house water, i.e., in a vase, on or in close proximity to the console.
- » In the unlikely event of the console failing to operate due to an internal issue, contact the supplier immediately for instructions on how to proceed. Alternatively, navigate to 'Contact Us' on the Series 75 website (<http://www.customseries75.com>), or have the console professionally serviced at one of our service centres (details on our website).

## Connections

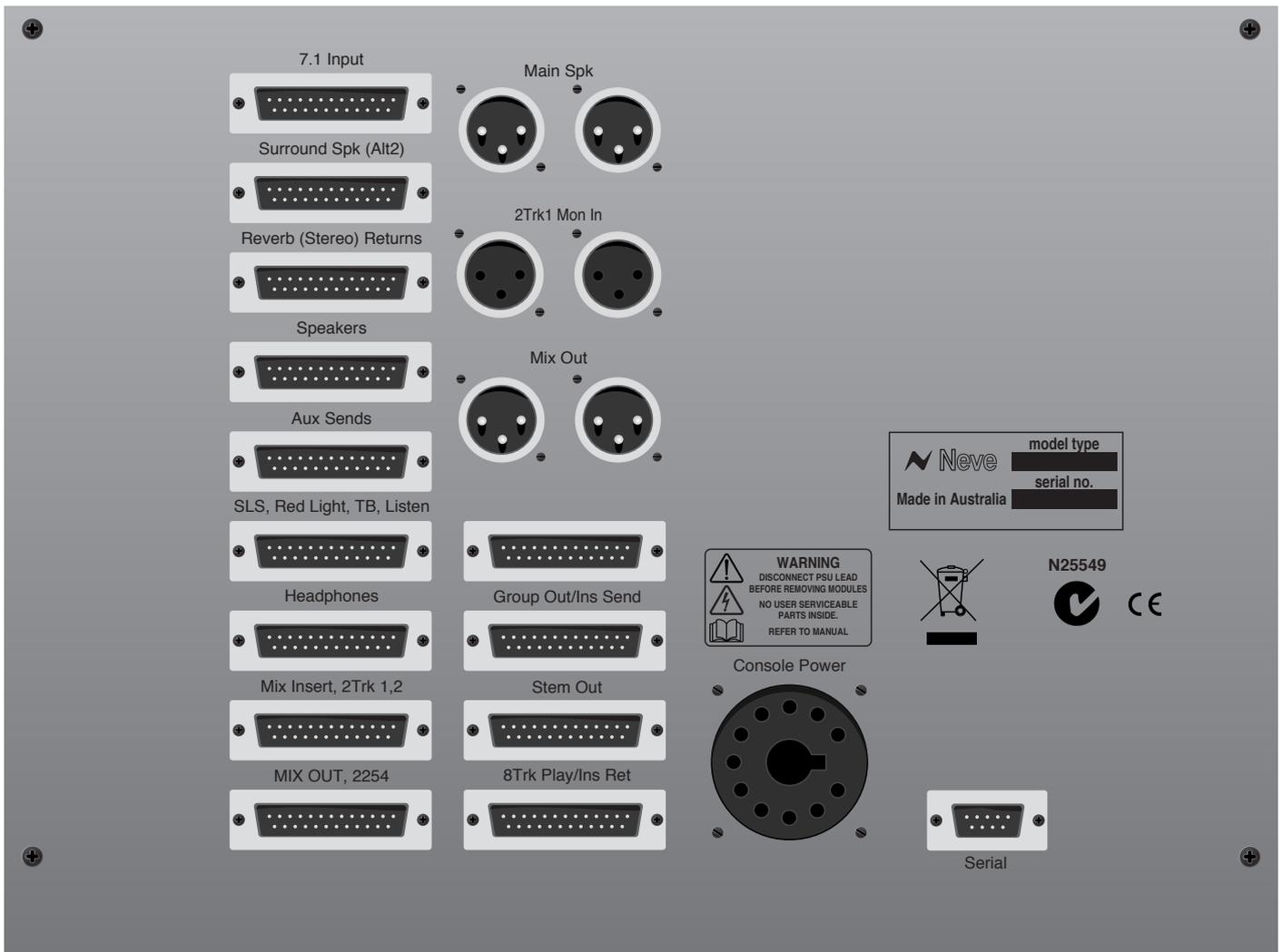
Countless input and output options, not all of which will apply to any one studio setup, can be found on the *Series 75*. It is recommended that you read this section of the manual thoroughly, decide exactly which features will be utilised in your studio, then purchase the cabling necessary to get the most out of your console.

A patch bay simplifies the connection of external devices and can be made to order, however is not necessary. Available in 24, 32, 40 or 56 point layouts, the patch bay is a 19" panel that resides in a specially designed Channel bin on either the left or right side of the console. Patch points are terminated to DB25 connectors on the rear of the patch bay for easy connection of console inputs/outputs and external devices.

The size of your studio setup will be the major factor when considering cabling. Individual pre-made cables are easily purchased and may be a time saving option.

**Make sure the power supply and interfaces are switched off, and have been off for at least 1 minute, before connecting or disconnecting power.**

# Master Section Rear Panel



Connectors for the **Main Spk L & R** and **Mix Out** can be found on both XLRs and DB25. It is recommended that the DB25 connectors be used. The XLRs may come in handy for guests who prefer to supply their own monitors, or if a 2 track recording of a mix on a portable device is desired.

The **2Trk1 Mon In** is an external input to the Control Room monitor section (2T1). Available on both DB25 and XLR for convenience.

## 7.1 Input

DAW outputs or a device containing up to 8 outputs may be connected here; the **7.1 Input** feeds the Control Room monitor section and can be selected here in order to monitor up to 8 channel surround sound via the Surround Spk (Alt 2) outputs.

## Surround Spk (Alt 2)

Up to 8 surround monitors can be connected here. When Alt 2 is selected as the monitor source in the Control Room section, the group cuts and solos will effect the eight individual speaker outputs. Note that a third set of stereo monitors could be connected here if surround monitoring is not desired.

## Reverb (Stereo) Returns

These inputs feed the four stereo Reverb Returns. Naturally, the output of outboard effects, a patch bay, or XLR connectors could be wired here.

## Speakers

Carries the Main Speaker Outputs, Alt 1 and Monitor Mix Output signals. In an ideal world, the Main Speaker Outputs and Monitor Mix Outputs will be connected to the main studio speakers. Alt 1 would be connected to your secondary studio monitors.

## Aux Sends

All 7 auxiliary sends (1, 2, 3, A[stereo] and B[stereo]) appear here. Connect these to your patch bay, XLRs, or outboard effects inputs.

## SLS, Red Light, TB, Listen

The first two channels carry the Studio Loud Speaker (SLS) output signals. The external input to the SLS are available on channels three and four. The Studio Red Light is to be connected to channel 5, taking into consideration that this circuit is not suitable for mains power and should be run at 1 AMP 24 Volts maximum. Connect an External Talkback Switch, if desired, to channel 6. A Listen Mic Input can be connected to channel 7, and PFL Out is available on channel 8.

## Headphones

Carries two balanced (channels one through four) and two unbalanced (channels six and seven) stereo headphone outputs. The unbalanced outputs are able to drive up to 10 headphones (without the need for an external headphone amp), the balanced outputs will need to be connected to a headphone amp.

## Mix Insert, 2TRK 1,2

Post 2254 balanced insert sends and returns appear on the first four channels of this connector. 2-Track 1, and 2-Track 2 inputs appear on channels five through eight.

## Mix Out, 2254

There are two separate mix outputs on the *Series 75*, Modern and Retro. See Modern Output Stage and Retro Output Stage for details. Modern Mix Outputs appear on channels one and two. Retro Mix Outputs appear on channels three and four.

Connect these to available interface inputs or a patch bay as your Stereo Mix Outs. The balanced external inputs to the 2254 Compressors appear on channels five through eight.

## Group Outputs/Ins Send

If Group Outputs (balanced) are desired, these should be connected to available DAW inputs. These outputs can also act as Group Insert Sends, in which case connect these to male XLR connectors or a patch bay.

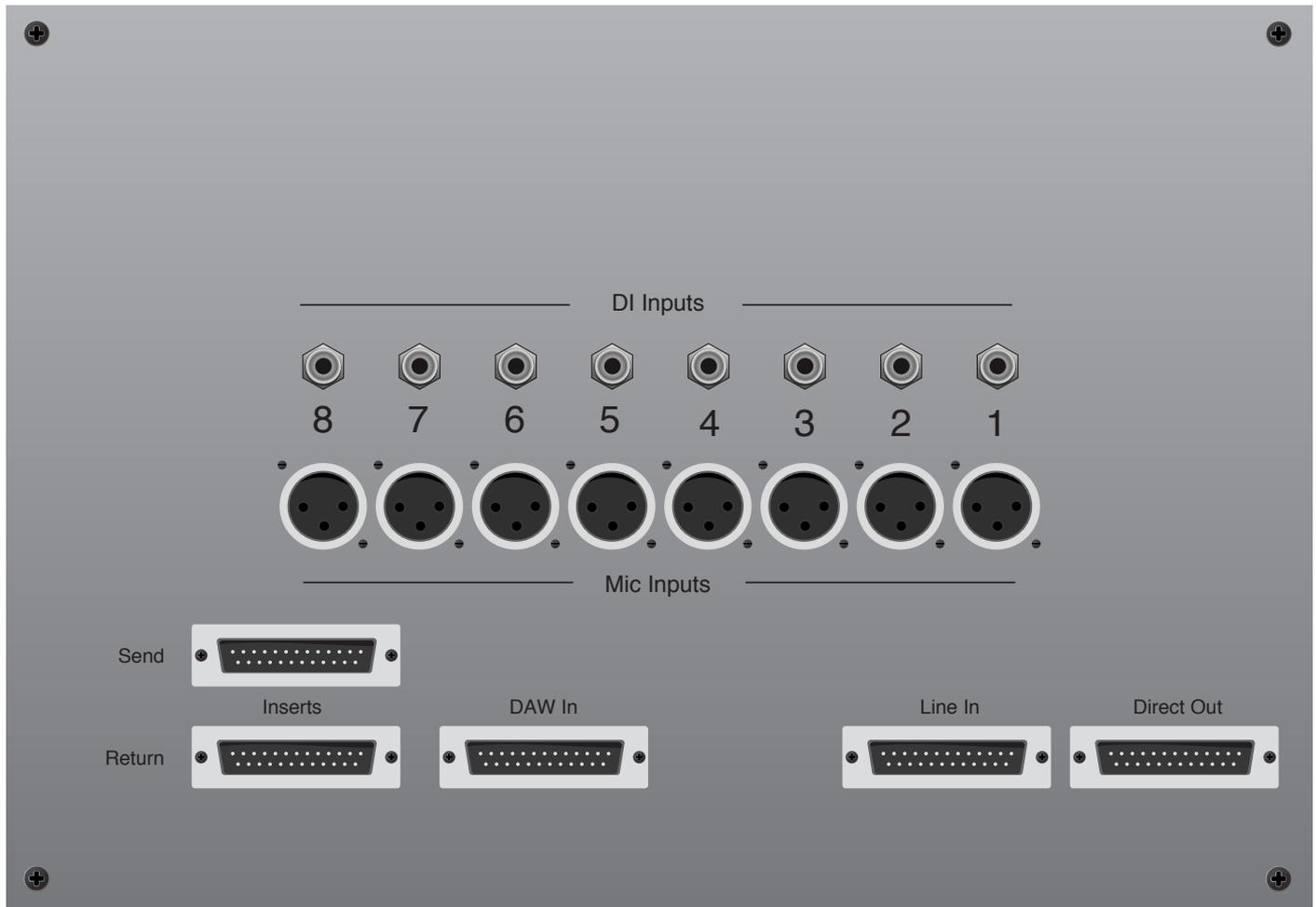
## Stem Out

The Stem Outputs carry the eight Group signals post-fader. Recommended as inputs to your DAW, and useful for stem mixing.

## DAW/Ins Return

Extra DAW outputs could be connected here to achieve a further eight inputs of monitoring. However, if the **Group Outputs/Ins Send** connector was used as Insert Sends, use these as your Group Insert Returns.

# Channel Bin Rear Panel



On the rear panel of each Channel Bin you will find eight balanced **Mic Inputs** (XLR) and eight **DI inputs** (1/4"). **DAW Inputs** and **Line Inputs** are available on DB25 connectors. These feed the input of each 2081 Module. Mic Inputs are supplied Phantom Power on a per-channel basis.

## Insert Sends/Insert Returns

These carry the Insert Sends and Returns from the Channel path. Connect to a patch bay, or individual XLR connectors.

## DAW In

Connect the outputs of your DAW here. These may feed the Monitor path or the Channel path dependent on the state of the module Input selection.

## Line In

Envisioned connection is the output of external devices (such as outboard effects or any other line level devices). These may feed the Monitor path or the Channel path dependent on the state of the module Input selection.

## Direct Out

Post-fader output from the Channel path. The Direct Out is always active, connect this to your DAW inputs.