



## **Grace Design m906 / m904 Technical Bulletin (Fixed DAC Output Pinout Correction)**

March 2005

Dear m904/m906 customer,

The Grace Design m906 and m904 reference monitor controllers feature balanced fixed DAC outputs. These outputs are derived from the last selected digital input and allow users to utilize the reference quality DACs within the m906 and m904 for other purposes besides monitoring.

The fixed DAC outputs on the m906 (serial numbers: 96001 through 96064) and m904 (serial numbers: 94001 through 94056) are not wired to the "pin 2 positive" convention that is used with all other inputs and outputs. Instead, these outputs are wired pin 3 positive, pin 2 negative and pin 1 ground. The diagrams included in the owner's manual for these products do not show this properly. All units with serial numbers greater than the ranges listed here have the standard "pin 2 positive" fixed DAC output termination corresponding to the owner's manual.

There are two options for connecting the Fixed DAC Outputs in-phase:

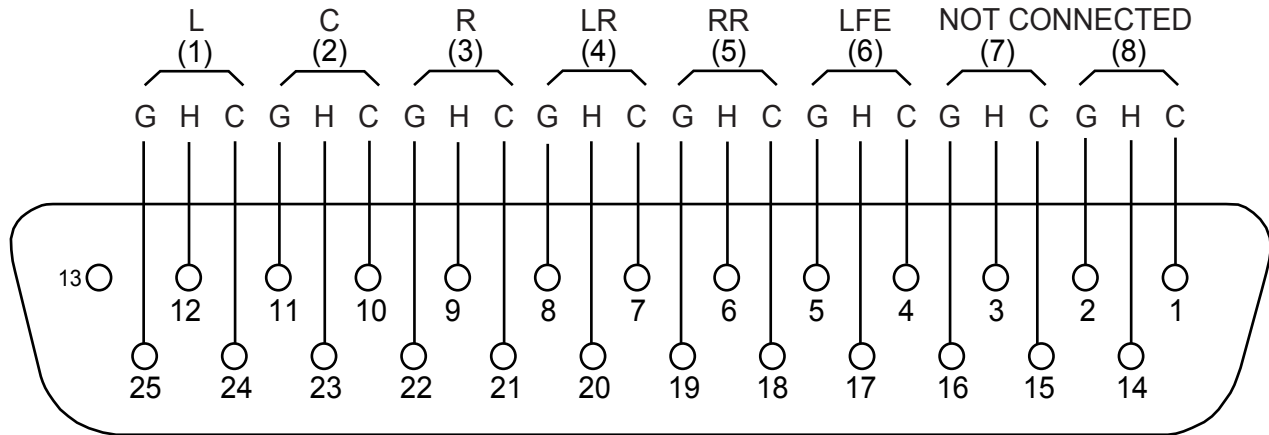
1. The first is a simple modification to your cable termination. For example, if you are connecting the m904 Fixed DAC Output to a piece of equipment with a pin 2 positive input, simply terminate one end of the XLR connector with the hot and cold conductors swapped (XLR1:Pin 2 connects to XLR2:Pin 3 and XLR1:Pin 3 connects to XLR2:Pin 2). The following page contains diagrams that show the signals on each conductor of the m906 and m904 Fixed DAC Output with the pin 3 positive pinout.
2. The second option is that we can modify your unit under warranty to provide the standard "pin 2 positive" pinout. Please contact Jamie Krapohl at the factory if you'd prefer to go this route and we'll work with you to schedule this.

Our apologies for any inconvenience this may have caused.

Sincerely,  
The Grace Design Team

## Pin-out for m906 DB-25 FIXED DAC OUTPUT Connector

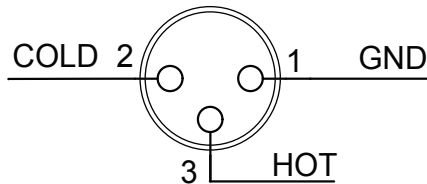
□ □ □ Serial Numbers: 96001 - 96064



H = HOT C = COLD G = GROUND

## Pin-out for m904 FIXED DAC OUTPUT

Serial Numbers: 94001 - 94056



## Pin-out for m904 FIXED DAC OUTPUT (UNBALANCED)

□ □ Serial Numbers: 94001 - 94056

