



GRYPHON AUDIO DESIGNS

Mirage Single Ended Output Information, 23062011/TSM

The Gryphon Mirage Preamplifier makes use of a unique volume attenuator which works fully balanced, without referring to signal ground.

When connected to a true balanced poweramplifier XLR input, like on the Gryphon Antileon Signature, Colosseum or Mephisto, via a balanced interconnect cable, the full potential of this unique Gryphon volume attenuator is truly realized.

If the Mirage outputs, for some reasons, are to be connected to a single ended RCA poweramplifier input, or to a poweramplifier which, despite having XLR connector, has unbalanced inputs, there are some important considerations to be aware of!

Due to the fact that the volume attenuator by default isn't referring to ground, a small internal operation on the Mirage has to be done. Please let your dealer or a skilled technician change the configuration following the steps below:

- Step 1:** Make sure the Mirage is turned OFF, by disconnecting the power cord from the Mirage Power Supply unit. Disconnect all audio interconnect cables. Leaving the two Mirage DC power cords connected.
- Step 2:** Remove the eight screws holding the top cover of the Mirage preamplifier unit and carefully lift off the top cover.
- Step 3:** After removing the top cover, locate the two pin headers, **J5** and **J15** on the large Printed Circuit Board named **P10031**.
- Step 4:** Move the two jumpers so that pin **1** and **2** on both **J5** and **J15** are connected through the jumper. Please refer to the text printed at the front of the Amplifier Board, **P10031**.
- Step 5:** Reassemble the Mirage. Please pay attention to the three blue LED's when refitting the top cover!

After the Mirage now have been prepared for Single Ended output operation, it is possible to use a properly made XLR to RCA adaptor or even better a XLR to RCA coupled interconnect cable, please refer to the drawing on next page.

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XLR pin 1 is GROUND
XLR pin 2 is +signal
XLR pin 3 is -signal

Do NOT connect the Mirage XLR output pin 2 or 3 to ground!
This will damage the Mirage output stage!

If the Mirage is used together with both a true balanced input poweramplifier and for example a subwoofer with only a single ended input, we recommend to make use of a high level Balanced to Unbalanced converter, like the LUNDAHL LL156X-3FXPHM, in series with the single ended input of the subwoofer.

But again, the best performance is achieved having true balanced inputs in the poweramplifier / subwoofer!

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