



# Passive Link



**Thanks for purchasing the Passive Link, the ultimate re-amplifying interface.**

In use as a re-amping device the unit converts a balanced line level source, such as the output from a tape recorder or DAW D-A converter into an unbalanced instrument level signal suitable for connection to a guitar amplifier or guitar effects pedals. This process allows you to record an instrument, such as a DI-ed guitar or bass and then when the heat is off the performance replay the recording back to a guitar amp and experiment with amp choice, settings, and microphone choice and placement to achieve the sound you require. It also allows for further sound production techniques such as using guitar effect pedals or older tape delay units whilst being able to match levels correctly and running unconventional instruments through guitar amps. Ever tried running a snare drum through a guitar amp?

## *Operation:*

The Passive Link translates a high level balanced signal to an unbalanced instrument level signal, suitable for connection to a guitar amplifier or guitar effects pedals. Operation is completely passive, requiring no power source.

The tone control allows for treble boost or cut. The flat response is obtained with the control at approx 12 o'clock, however due to the complex output impedance of the passive link, ( just like the complex impedance of a real guitar pickup ), the response is affected by the length of cable connecting to your guitar amp and the input impedance of the guitar amp.

The level control sets the output level of the interface and can be used to match the output of the Passive Link to that obtained directly from a guitar or bass, with a typical guitar level obtained with the level control around 12 o'clock. Operational set up will often include connecting a guitar to an amplifier, setting up your amplifier volume, then replacing the guitar with the Passive Link connected to your recorder and using the level control to match the amplifier volume.

## *Some notes about operation:*

- The ground lift can be used to eliminate hum arising from ground loop issues.
- Both 6.35mm sockets are available as outputs and so two amplifiers or two channels of one amplifier can be readily connected at once.
- Either of the XLRs can be connected to the balanced source. Indeed both the male and female XLRs are simply wired together in parallel. This can find use in a studio where you are sending the signal to the Passive Link via a patch bay and XLR stage box. In a typical studio the stage box would present female XLRs for connection of microphones back to the control room. As the Passive Link has both male and female XLRs available, connection to the stage box with a standard male to female XLR cable is possible; no special 'gender' changing cables or adapters required! The dual XLRs also allow you to take a split from the source to pass on a clean signal to your mixing setup or further processors.
- The Passive Link will work with an unbalanced input!