



## **Stereo Isolation / Amplification Split Audio Interface**

### **Model STL-ISOAMP**

The main application for this two channel, split box system is for long studio to transmitter audio cable runs.

#### Features

- Utilizing balanced audio lines increases the common-mode rejection ratio, thereby reducing noise and AC hum seen with unbalanced lines.
- Breaks ground loops which cause hum.
- Reduces induction of AC noise from nearby AC power cords or cables.
- Reduces RFI susceptibility using shielded and grounded audio cable, and aluminium enclosures (a ground post on the studio-end unit can be tied to earth ground if necessary).
- Selectable audio amplifiers supplying a voltage gain of up to 7 times (17 dB), if required for long lossy cable runs. The amplifiers' gain, preset at a voltage gain of 2 (6 dB), can be set in the field. The STL-ISOAMP includes a power cable which connects directly to a Wantok-SBS-1 or SBS-2 studio console, or alternatively, any 12 VDC source can be used.
- Unbalanced to balanced conversion; unbalanced studio console outputs are converted to balanced for transmission to transmitter. The interface unit located at the transmitter-end can interconnect to either a transmitter using balanced (XLR) connectors, or unbalanced (phono) connectors.

Note: connect the studio to transmitter audio cables' shield only to the XLR connector's shield connection at the studio end. Leave the shield open at the transmitter end.