



## APEX AMS1 Passive Mic Splitter/Combiner

### The Facts about Splitting and Combining Mic or Balanced Line Signals

If you are running two mixers at once – perhaps one for the monitor system, one for main PA, (or one for broadcast and one for PA). Even if a performer wants his/her mic split into a powered monitor and the PA. You need the ability to split the signal from the source so that it can go both ways. It is important that the output of the source encounters the right impedance. For example if you simply used a “Y” adaptor, signal strength and quality would be lost. For this reason, a professional splitter will have a built-in transformer. Since you may be splitting the balanced output of an instrument amp or preamp, another consideration is “hum” caused by a ground loop. A good splitter box will also feature a ground lift switch to reduce that problem.

### About The APEX AMS1

- The AMS1 provides professional low-Z-mic/balanced-line splitting facilities for one source.
- Balanced female XLR input.
- Transformer-balanced, 600 ohm male XLR output.
- Male XLR Thru output
- Ground lift switch
- Input impedance: 600 Ohms
- Output impedance (balanced): 600 Ohms
- Dimensions: 3.75 x 2.875 x 1.5 inches (90mm x 75mm x 40mm)
- Weight: 1lb (454g)

### Usage

1. Using a low-Z mic cable or balanced line cord (same thing really), connect the output of the source (mic, balanced amp line out, balanced preamp line out, etc.) to the Input connector on the AMS1.
2. With two similar cables, connect the AMS1's Output and Thru output to the mic inputs on the mixers or other devices.
3. If a loud hum occurs, set the AMS1's switch to the Lift position.