

# Why Should I Use The Atlas Sound TSD-DA13?



Atlas Sound Time Saving Devices are designed to solve common problems that can arise during installation or expansion of commercial audio systems. Each TSD can provide a solution in a variety of scenarios. This document will illustrate a few examples of how best to use the TSD-DA13.

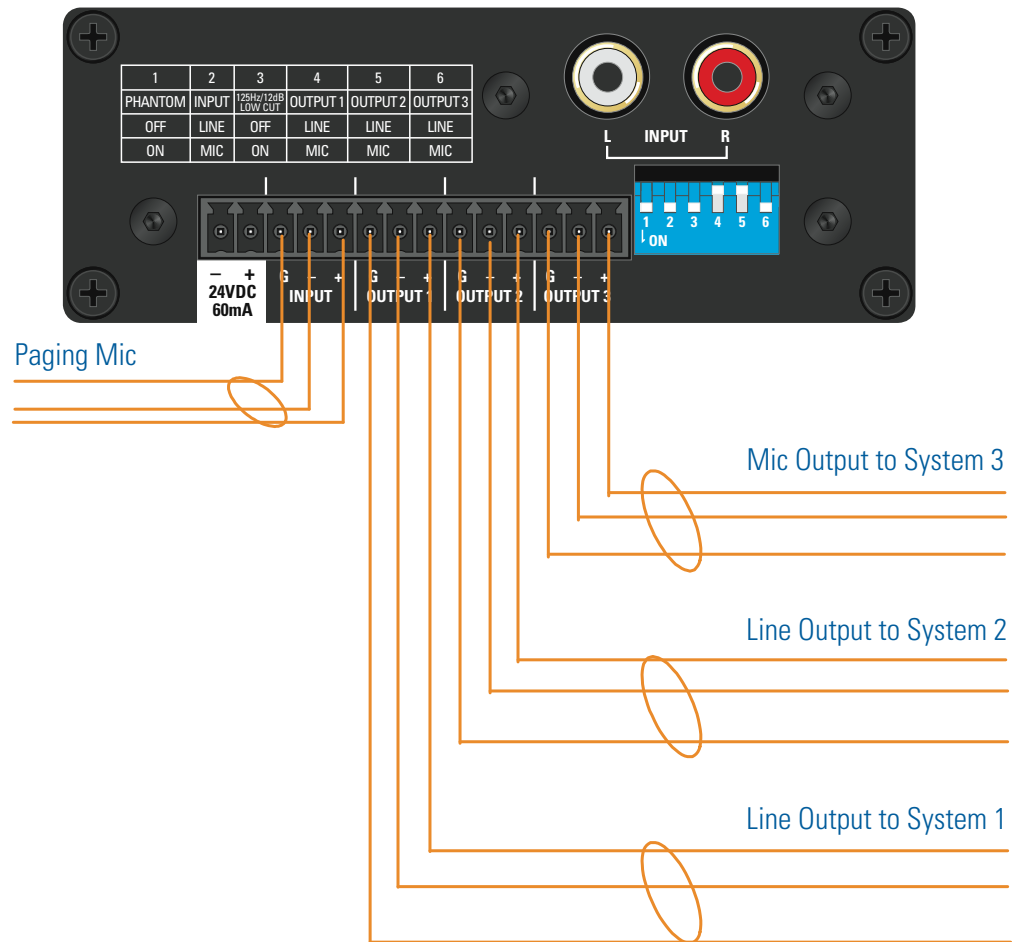
## Installation Scenario 1

A paging microphone with phantom power needs to be connected to 3 separate systems in a rack, but only 1 of the 3 systems has a mic input that is free and the other 2 require line level signals. Additionally, the client wants the ability to adjust the levels individually. The TSD-DA13 is the ideal solution for this scenario.

The input on the Atlas TSD-DA13 is switchable between mic and line, so the input can be set to mic and the paging microphone can be wired in to the input. The 3 output channels on the TSD-DA13 are individually switchable between mic and line, so output 1 should be set for line and connected into the "line in" (or aux) on one of the systems that requires the line level input. The same can be applied to the second system requiring the line level input.

The system with the mic input available can be connected to the TSD-DA13 using a mic level signal from the last output on the TSD-DA13. The low cut filter on the TSD-DA13 may need to be engaged; this will help improve paging intelligibility. Finally turn on the phantom power for the paging mic.

- Switch 1 = On
- Switch 2 = Mic
- Switch 3 = On
- Switch 4 = Line
- Switch 5 = Line
- Switch 6 = Mic



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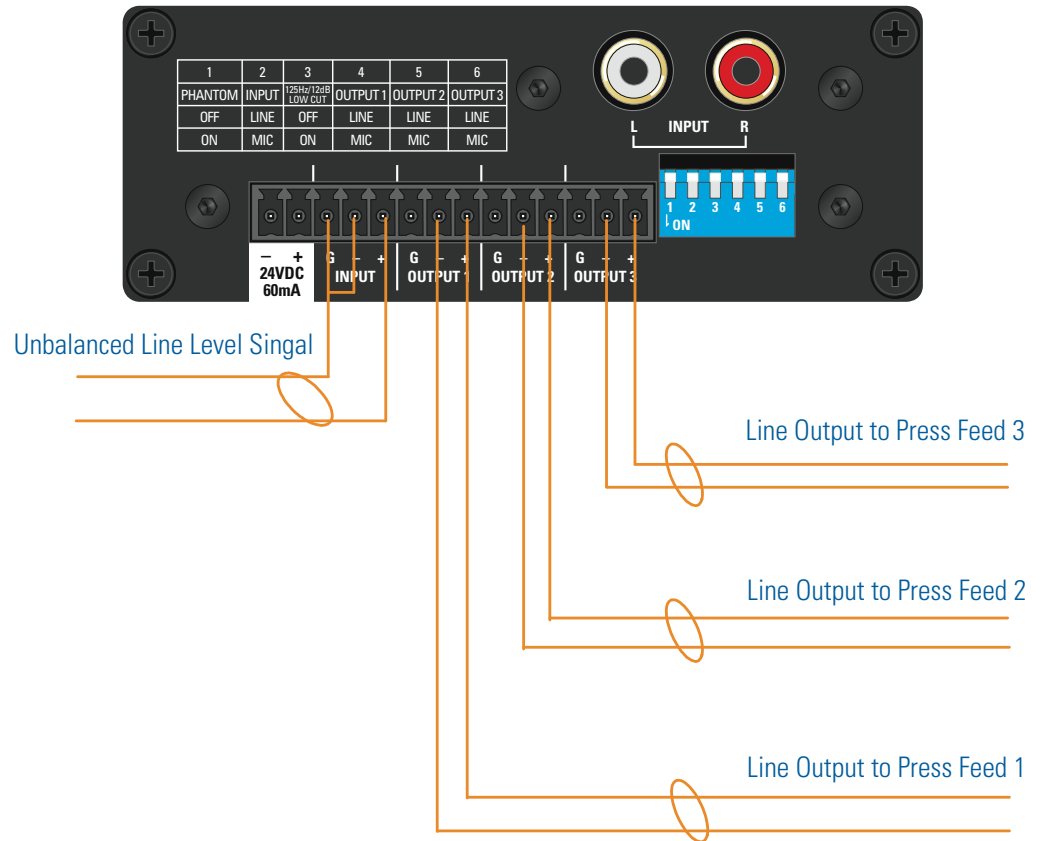
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## Installation Scenario 2

A sound system requires the addition of 3 balanced line level "press feeds" that can each receive an isolated signal for recording and engineering purposes but, the in house sound system only has an unbalanced output available.

In this scenario the unbalanced line level output would be connected to the input on the TSD-DA13. Connect the positive and negative terminals on the 3 outputs on the TSD-DA13 to the wall plate connection that you are using where the recording devices will be connected. Do not connect the ground connections from the outputs to the wall plate as a variety of devices may be connected at the wall plate and this will eliminate the potential for ground loops that will detract from the sound quality.

- Switch 1 = Off
- Switch 2 = Line
- Switch 3 = Off
- Switch 4 = Line
- Switch 5 = Line
- Switch 6 = Line



It may be best to not bring the "shields" out to the press feed wall plate