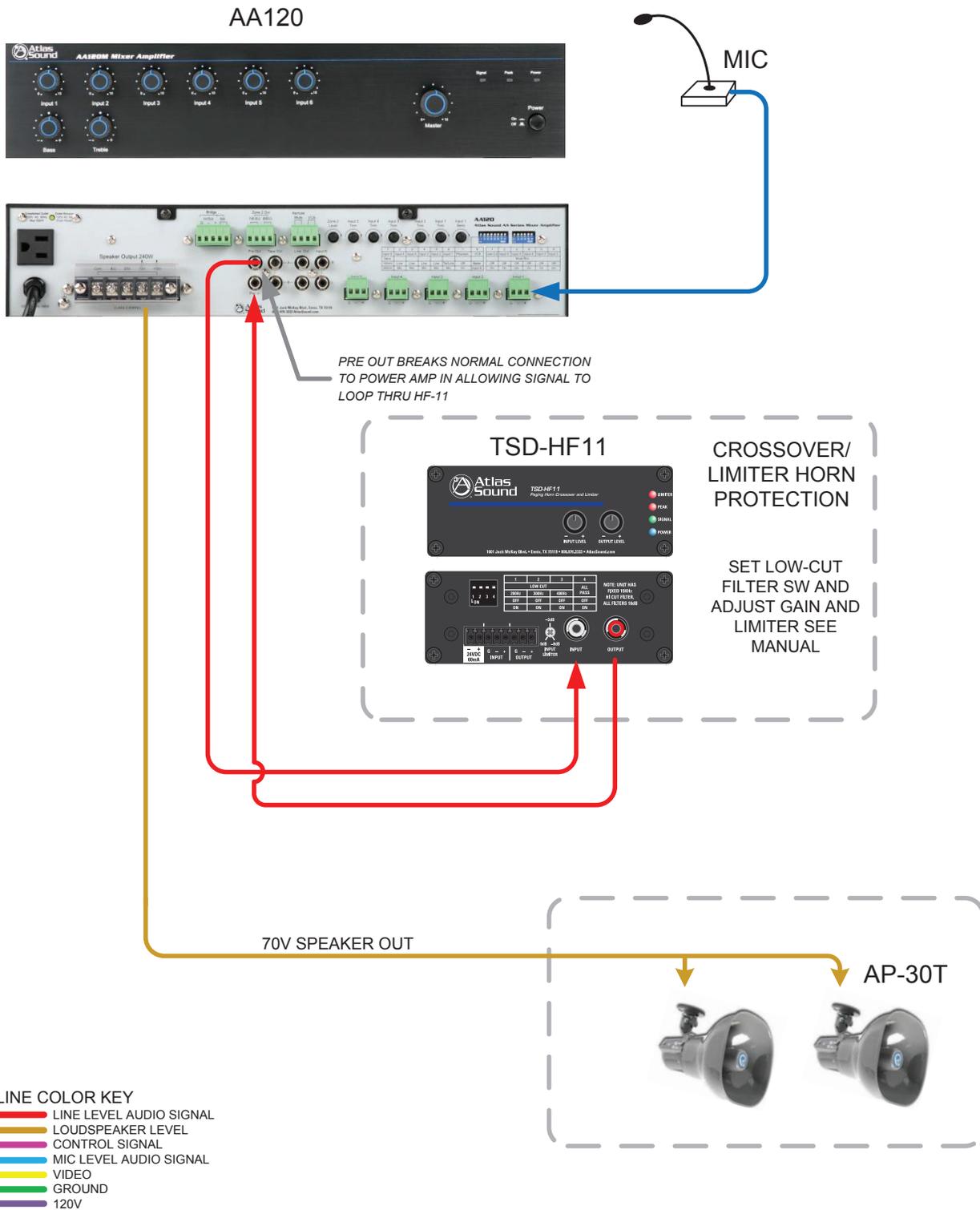




Example of Horn Protection Using an AA Mixer Amp Pre Out - Amp In



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Overview:

This example illustrates how to use TSD-HF11 as horn protection using the Pre Out / Amp In feature on an Atlas Sound AA mixer amplifier.

Application Example Description:

When using paging horns in any application, damage can easily occur to the horn driver if the audio signal is not properly crossed over using a high pass filter (low cut filter) or if the power from the amplifier is too great for the driver to handle. The TSD-HF11 is the ideal solution to protect a horn from these two common failures because it incorporates a crossover and limiter. In this example the TSD-HF11 is shown connected to the Pre-Out/Power Amp In connections on an Atlas Sound AA120 allowing the mixer amp signals to flow through the TSD-HF11 and back into the amp section. All speakers / drivers in this example connected to the outputs will be affected by the settings of the TSD-HF11.

Benefits:

- Cost Effective
- Excellent Horn Protection
- Easy to Install and Configure

Application Example Notes:

1. The Atlas Sound AA120 is shown in this example but any amplifier with a Pre Out / Power Amp In Loop Thru will work.
2. When connecting the RCA Power Amp In connection, the pre-out normal is severed, allowing the signal to flow through the TSD-HF11. Ensure the connectors are fully seated in the connector to establish this Loop flow.
3. Set the Low Cut filter based on the speakers used in the system.
4. Before installing the TSD-HF11 read the manual for a complete understanding of the benefits and use. Ensure the following:
 - Frequency response of the speakers in the system. Select the appropriate corresponding Low Cut filter on the TSD-HF11.
 - Set the Maximum Level to the Power Amp In via the TSD-HF11 output limiter in order not to damage the speakers by overpowering them.

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