

Sigtronics SPA Panel Mount Intercom Music Input

Models: **SPA-400, SPA-400N, SPA-600, and SPA-600N**

There are two ways to add music to your Sigtronics SPA intercom system. The preferred method is by adding our RES series remote stereo music switcher.

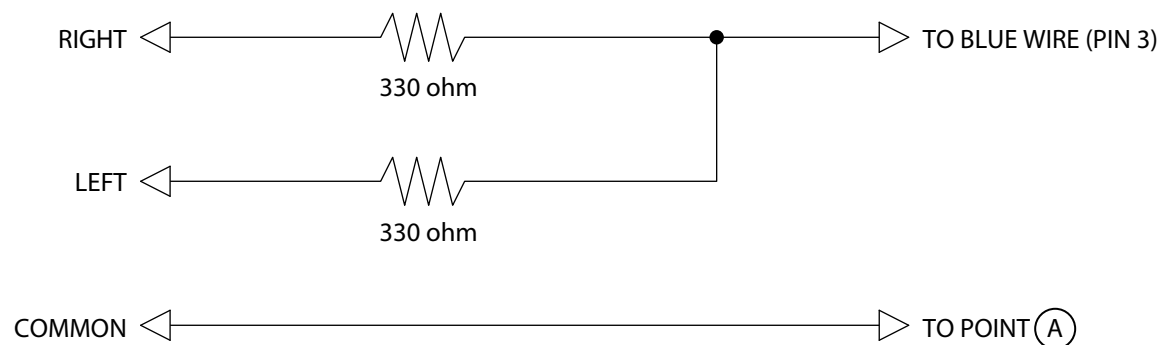
The RES allows monaural or full stereo music (depending on wiring and headset capability) that is automatically muted when radio or intercom communications occur. Along with the standard "All" mode the RES adds a selectable pseudo "crew" mode. In this mode the Pilot / Co-Pilot can intercom, use the aircraft radio(s), and listen to interrupted music while the passengers are on full time music (no intercom or aircraft radio). The RES can directly connect to Line Level, Headphone Level (walkman type), or Speaker Level music sources without adapters or extra interface circuitry. Because the RES plugs inline with the SPA harness only minimum aircraft rewiring is required. Order Sigtronics model RES-401 for SPA-400, RES-401N for SPA-400N, RES-601 for SPA-600, and RES-601N for SPA-600N.

The alternate way to add music to a SPA system has some limitations. The music will only be monaural and is never muted with intercom or radio traffic. You must keep the music level lower than aircraft radio level or intercom level so as not to miss your traffic. In addition, the music source must have 30 mw or 15 mw x2 of output power or more to be heard adequately in the headsets. If these limitations are OK then a simple music input can be connected to Sigtronics SPA panel mount intercoms. Using two common 330 ohm 1/4 watt resistors connect to your SPA intercom as shown:

If floating speaker output type stereo is used connect floating speaker ground adapter circuit between stereo and this circuit. See USING FOUR WIRE SPEAKER OUTPUT MUSIC SYSTEMS WITH OLDER ST-400 / ST-600 UNITS (fltngrnd.pdf) on the Aviation Intercom Technical page on our web site.

Music volume is controlled on the stereo itself.

STEREO



INTERCOM



Specialists in "SOUND" Management

178 East Arrow Highway, San Dimas, CA 91773 (909) 305-9399