ASHLY
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Remote Standby: Correct wiring and use case.

Software Version - 5.23
Devices – NE Series, nX Series, Pema Series, SRA Series, and TRA Series Amplifiers

Intent:

This document is intended to explain the common and best practice for performing *Remote Standby.*

Explanation:

Ashly amplifiers have three possible states. The device can be **ON, OFF,** or in **STANDBY**. The state we are concerned with is **STANDBY.**

Power State:	**Description**:
On	All functions enabled. (Audio routing, output, network, reporting, etc.)
Standby	Network and reporting remain enabled. Audio routing and output disabled.
Off	All functions disabled.

Standby is a state where the device is active to accept commands, programming, and also give status through Ashly Protea Software. While in standby, the device does not route, or pass any audio to the outputs of the device. We provide the ability to wire a contact closure on the back of the unit to allow the device to be placed into the standby state. When the normally open contact on the back of the device is closed, the device will go into standby. Opening the contact will allow the device to turn back on and function in the on state.

***Note:** In order to enable remote standby, the device must be powered **ON.** In the Protea Software the *ON* status should be enabled. Disabling the *Power Switch* and *Front Panel Attenuators* has no effect on remote standby.

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Diagram 1: By double clicking on a device in project view, a device window will be displayed. In the device window, select the *Control Surface* tab. On this tab you will be able to configure the properties of the power button, front panel attenuators, and the remote attenuators on the back of the device. Be sure that the *Power* property is set to **ON**. The states of the other properties have no effect on remote standby.

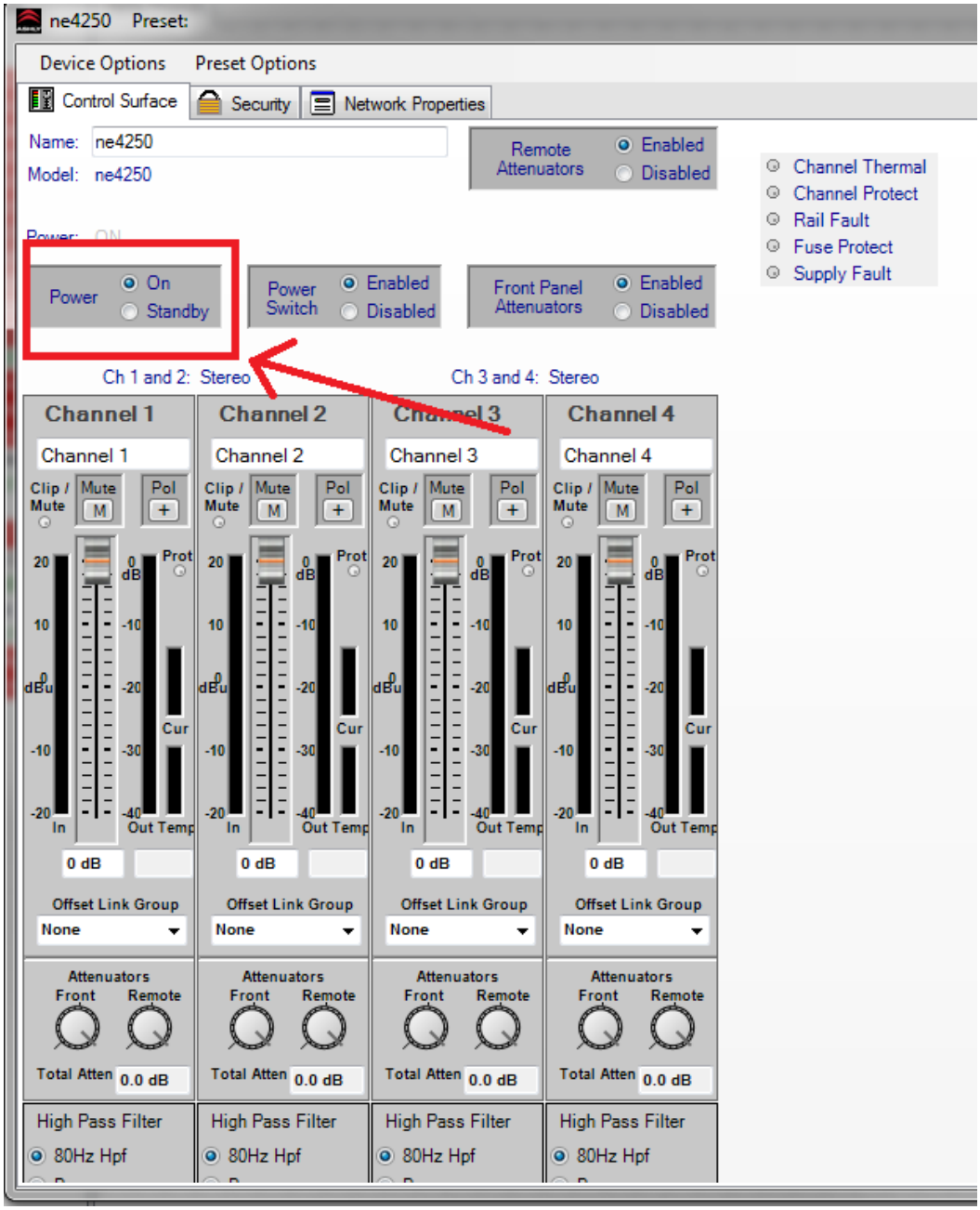

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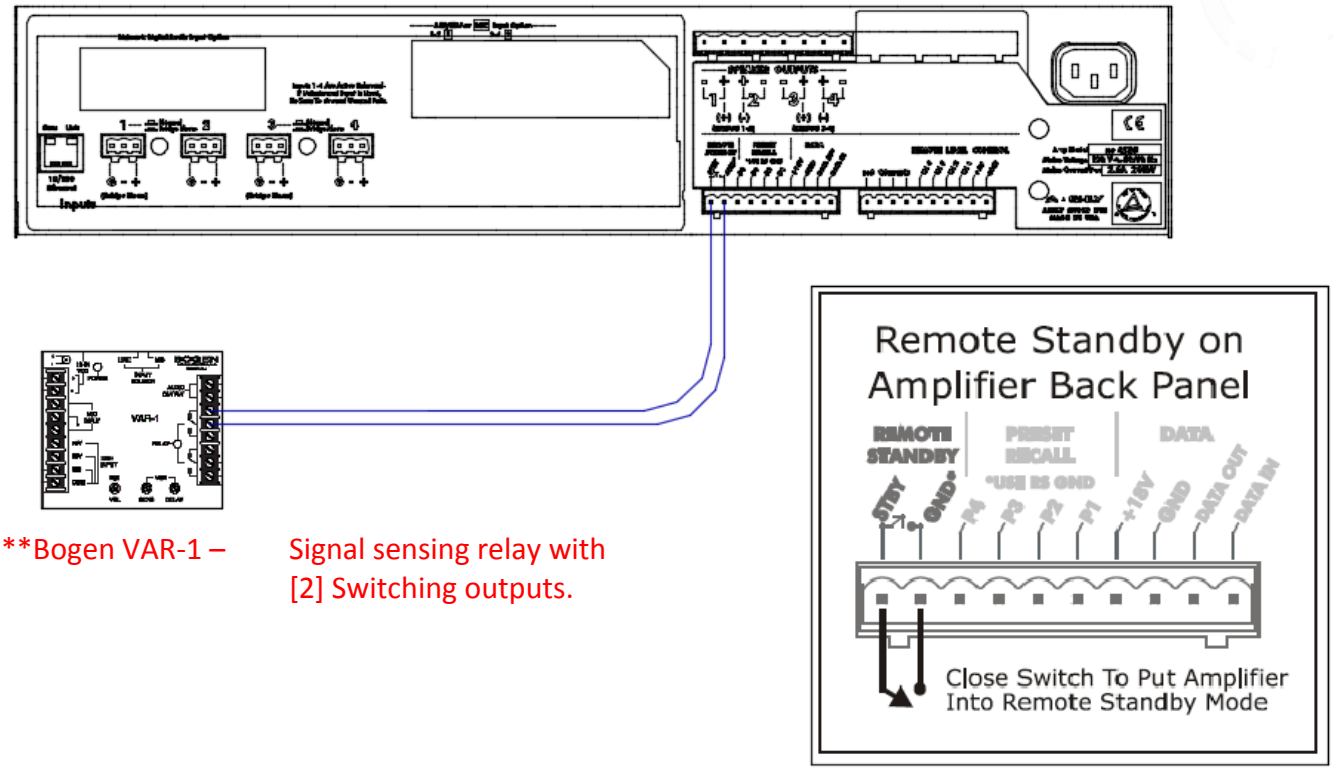
Diagram 2: Wiring a signal sensing relay to the remote standby pins allows for muting the device when another priority source is present in the space. Remote standby is enabled when the *STBY* pin and the *GND* pin are shorted. This is particularly useful in public address applications where emergency take-over is needed.



**Bogen VAR-1 – Signal sensing relay with [2] Switching outputs.

**Disclaimer: Ashly Audio Inc. does not recommend any particular relay or contact closer devices. Any non-Ashly devices shown in diagrams are strictly for concept purposes. A wide range of devices with similar functionality can be used in this type of application.