

Savant Profile Setup For Blaze PowerZone Connect Amplifiers

Installation

1. Download Blaze by Sonance Savant Profiles From sonance.com
 2. Open Blueprint Software and browse to Settings>Libraries
 3. Create a Custom User Library by pressing '+' then create New folder. This will create a new custom profiles folder in the location you select, Skip this step if you have already created a custom library
 4. Highlight the new custom user library, then press the Import button. Browse to where you saved the Savant profiles that were downloaded
 5. Import either or both of the profiles. These will now be available in Blueprint in your component Library
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Using the Profiles

1. There are 2 Profiles available for the Blaze by Sonance PowerZone Connect Amplifiers, the general profile Assumes the amplifier is setup as a mono amplifier while the Stereo Profiles assumes you will be setting the amplifier up as stereo sources and zones. If using the stereo version, be sure to go in the amplifier setup and configure the inputs and outputs in stereo mode
2. In Blueprint, open up 'Show Library' and search for the Blaze by Sonance Profiles you added, choose the profile you would like to add and drag it into a zone. Generally, devices that can serve multiple zones should go into a 'Shared Equipment Zone' to make sure services generate properly
3. If using IP control, make a connection in Blueprint from a network switch to the amplifier NETWORK CONTROL connection on the profile. You will be prompted to add the IP address for the connection. Make sure that you have set a static IP or DHCP reservation on the amplifier being controlled and that it matches what is put into Blueprint.
4. If you are using voltage sense to control the amplifier, make a connection from the GPIO that is connected from the Savant controller to the 'Trigger' input on the Profile. You will also need to setup the amplifier itself to control via voltage sense

5. under settings>Power Management and selecting Trigger. Pin 6 on the amplifier is defined as the Trigger input.
6. Make Source Input and Zone Output connections as wired. Repeat for all amplifiers in system
7. Generate Services and upload your configuration file. Savant should now be able to control the Amplifier(s)

Notes

- Please look at profile notes for tips on how to understand how the profile manages source and zone routing as well as EQ functionality
- If using the general profile, all inputs and outputs are single channel mono and control will manage each mono zone source switching, volume and mute
- If using the stereo profile, The profile assumes the sources and zones are setup as stereo in the amplifier and the profiles controls the odd numbered inputs and outputs as a stereo group
- Both Profiles are built around the 8 channel amplifiers, if using the 2 or 4 channel amplifiers, simply use just the first 2 or 4 inputs and output channels, or 1st and 2nd sources and zones in stereo mode
- If using an audio matrix before the amplifier, it is recommended to use a generic amplifier profile as Savant will look at the profiles as a matrix and can generate somewhat random paths when generating services. If you do use these profiles with a matrix, be sure to make sure your volume control is set to the correct device and verify that your routing paths that were generated are correct
- Mix Inputs are virtual inputs defined in the Amplifier configuration but are represented as physical inputs for convenience
- Dante inputs must be setup outside of this profile using Dante Controller but can be routed to any Zone

- You can manage individual EQ bands with these profiles. It is recommended to familiarize yourself with the EQ structure before using these commands. The Structure of the amplifier requires you to define (as separate commands):
 - The EQ Type, PARAMETRIC will generally be used
 - The Frequency to affect (20-20,000Hz)
 - The Q Bandwidth (.04-30)
 - The Gain (-15 to 15)
 - Bypass mode(On or Off) Bypass ON means that the Band is OFF

These commands can be found in the custom section of the main amplifier component in the profile. These commands can also be stacked in a custom workflow in automator

Change Log:

Initial Profile Version 2.1