

SONANCE

TECHNICAL NOTE

TECHNICAL NOTE FOR GROUPING CHANNELS OVER DANTE IN BLAZE BY SONANCE POWERZONE CONNECT AMPLIFIERS

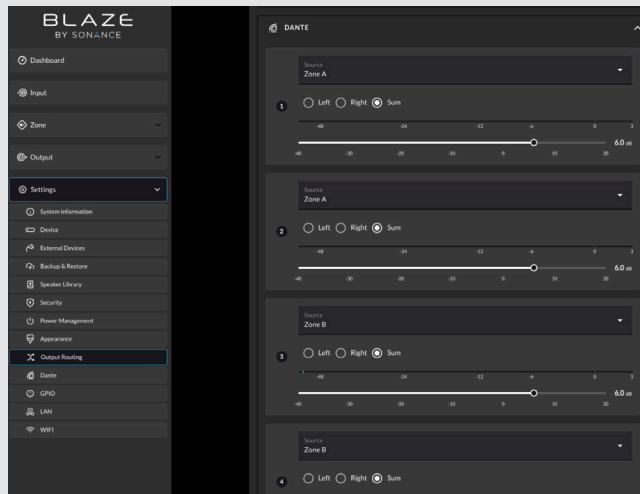
This tech note was created to help walk you through using Dante networked audio to group speakers across multiple amplifiers and can be a useful tool if you have many speakers in a single space and need to add speakers across multiple amps. It is also a great way to group a subwoofer (or multiple subwoofers) connected to a larger amp.

PREREQUISITES

- Blaze PowerConnect Amplifiers with Dante
- Blaze PowerZone Control Center - free download at www.blaze-audio.com/software
- Dante Controller - free download at www.getdante.com

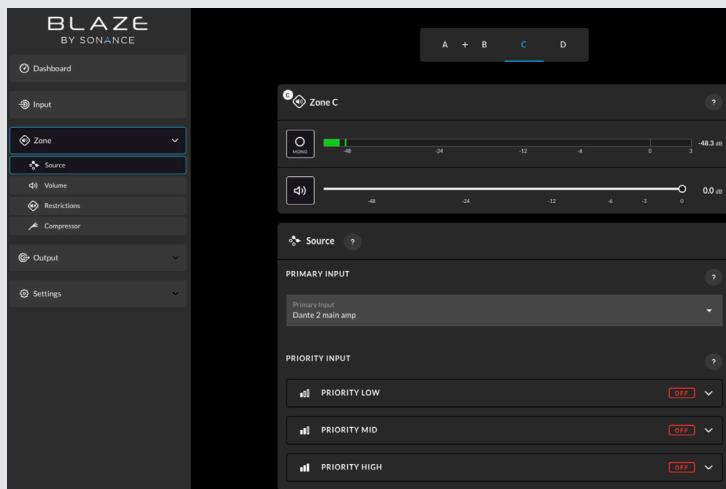
AMPLIFIER 1

1. Set up your first amplifier as you usually would (setting up zones, outputs, sources, and DSP).
2. Go to SETTINGS>OUTPUT ROUTING.
3. Under 'DANTE', select a Dante output channel (1-4) and select the zone output name as the source (Zone A-H, or customized named zones) It is important to select a zone and not a source. Selecting a zone will allow the Dante channel to inherit the current volume level of the zone and pass it to the channel that is subscribed to it on the second amplifier.
4. Select 'LEFT', 'RIGHT', or 'SUM' depending on what type of grouping is needed for the second amplifier. If sending both left and right channels, make note of which channel are sending left vs right channel audio. This will be important in later steps when making the Dante channel subscriptions. If grouping a subwoofer to the second amplifier, select 'SUM' to route both left and right channel summed over the Dante channel.
5. Set the gain level for the channel to '0' as a starting point. This can be adjusted later to add more or less gain and volume level to all speakers in the group.



AMPLIFIER 2

1. Set up ZONES and OUTPUTS. Make note of which Dante channels were used in Amplifier 1. Label the Dante channels under the 'INPUT' section of the amplifier UI.
2. Go to ZONE>SOURCE.
3. Select the desired zone to group from Amplifier 1. For source, select the Dante Channel that will be routing from Amplifier 1. If using Dante output channel one on Amplifier 1, select Dante channel one as the source.
4. Adjust volume for the zone all the way to 0db. This zone will be inheriting the volume level from the zone on Amplifier 1 via the Dante subscription. Setting it to full, on the local zone, is an important step to make sure volume ramps correctly across the whole group.
5. Go to SETTINGS> POWER MANAGEMENT.
6. Make sure to choose Audio (Digital) for Auto On method. This step allows the amplifier to wake for signals from the Dante network from Amplifier 1.



DANTE CONTROLLER

1. Open the Dante Controller. This is the tool that creates routes via subscriptions from transmitters to receivers over the network. For this tech note, we will be routing Dante channels 1-4 on Amplifier 1 to receiver channels 1-4 on Amplifier 2.
2. Find the transmit channels on Amplifier 1 as well as the receive channels on Amplifier 2. Click on the box where they intersect. This completes the routes between the amplifiers and audio should now be passing from Amplifier 1 to Amplifier 2. It is recommended to go through the resources available at www.getdante.com to become familiar with Dante and how best to troubleshoot if unexpected issues arise.
3. At this point your grouping should be complete. Once you have verified audio, you can adjust gains in your amplifiers to adjust for levels and preference as well as create independent EQ for each channel as needed.

