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SC28 Biamp Connection Diagram for QSC's WideLine-10 Loudspeaker System (WL2102)

In the Setup Menu...

- In the **Input Sens** menu, set the input sensitivity to correspond with expected audio source levels.
- In the **Array Config** menu, select the crossover type as **WL10 2way**.
- In the **Array Size** menu, select the number of enclosures in each array.
- In the **Total Splay** menu, select the total of all the splay angles between the enclosures in each array. For more info go to http://www.qscaudio.com/products/dsp/sc28/sc28_array_compensation_eq.pdf
- In the **Subwoofer** menu, select the appropriate QSC sub, "None" for no sub, or "Bypass/Thru" to use an external crossover and EQ for the sub.

If the system includes subwoofers...

- In the **Sub Management** menu, configure the subwoofers as **Stereo** or **Summed Mono**.
- In the **Sub Gain** menu, adjust the level to compensate for the use of more or fewer subwoofers than a typical system.
- In the **Sub Delay** and **Array Delay** menus, you may add alignment delays if necessary.

- In the **Limiters** menu, configure the output limiters to protect the loudspeakers or for clip limiting only of the SC28 output. *Disabling the loudspeaker protection is not recommended.*

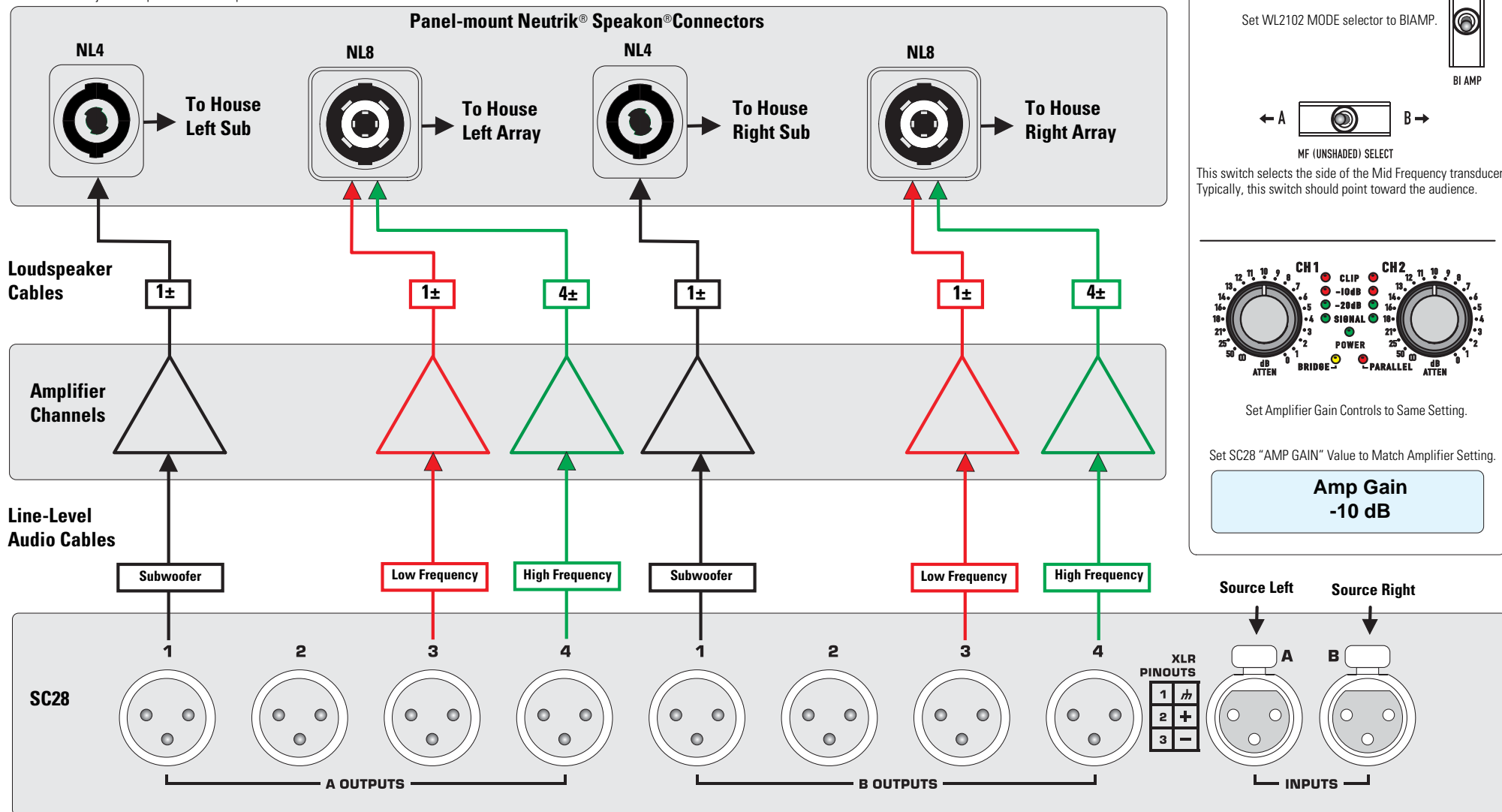
- In the **Out Amp** menus, select the QSC amplifier attached to each output.

- In the **Out Amp Cfg** menus, select whether each amplifier is configured as **Stereo** or **Bridge Mono**.

- In the **Amp Gain** menu, select the gain to match the gain control settings of the amplifiers connected to the outputs. All amplifiers must be set to the same value.

In the EQ Menu...

- Adjust the equalization to compensate for environmental factors.



SC28 Triamp Connection Diagram for QSC's WideLine-10 Loudspeaker System (WL102)

In the Setup Menu...

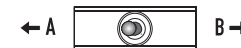
- In the **Input Sens** menu, set the input sensitivity to correspond with expected audio source levels.
- In the **Array Config** menu, select the crossover type as **WL10 3way** or **WL10 3way REV** for frequency shading reversed from selector switches on loudspeakers.
- In the **Array Size** menu, select the number of enclosures in each array.
- In the **Total Splay** menu, select the total of all the splay angles between the enclosures in each array. For more info go to http://www.qscaudio.com/products/dsp/sc28/sc28_array_compensation_eq.pdf
- In the **Subwoofer** menu, select the appropriate QSC sub, "None" for no sub, or "Bypass/Thru" to use an external crossover and EQ for the sub.
 - If the system includes subwoofers...
 - In the **Sub Management** menu, configure the subwoofers as **Stereo** or **Summed Mono**.
 - In the **Sub Gain** menu, adjust the level to compensate for the use of more or fewer subwoofers than a typical system.
 - In the **Sub Delay** and **Array Delay** menus, you may add alignment delays if necessary.
- In the **Limiters** menu, configure the output limiters to protect the loudspeakers or for clip limiting only of the SC28 output. *Disabling the loudspeaker protection is not recommended.*
- In the **Out Amp** menus, select the QSC amplifier attached to each output.
- In the **Out Amp Cfg** menus, select whether each amplifier is configured as **Stereo** or **Bridge Mono**.
- In the **Amp Gain** menu, select the gain to match the gain control settings of the amplifiers connected to the outputs. All amplifiers must be set to the same value.

In the EQ Menu...

- Adjust the equalization to compensate for environmental factors.

Setup Highlights:

Set WL102 MODE selector to TRIAMP.



MF (UNSHADED) SELECT

This switch selects the side of the Mid Frequency transducer. Typically, this switch should point toward the audience.

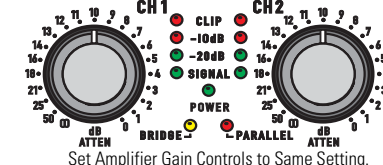
On the SC28, select:

Array Config
WL10 3way

for frequency shading according to loudspeaker selector switches. OR...

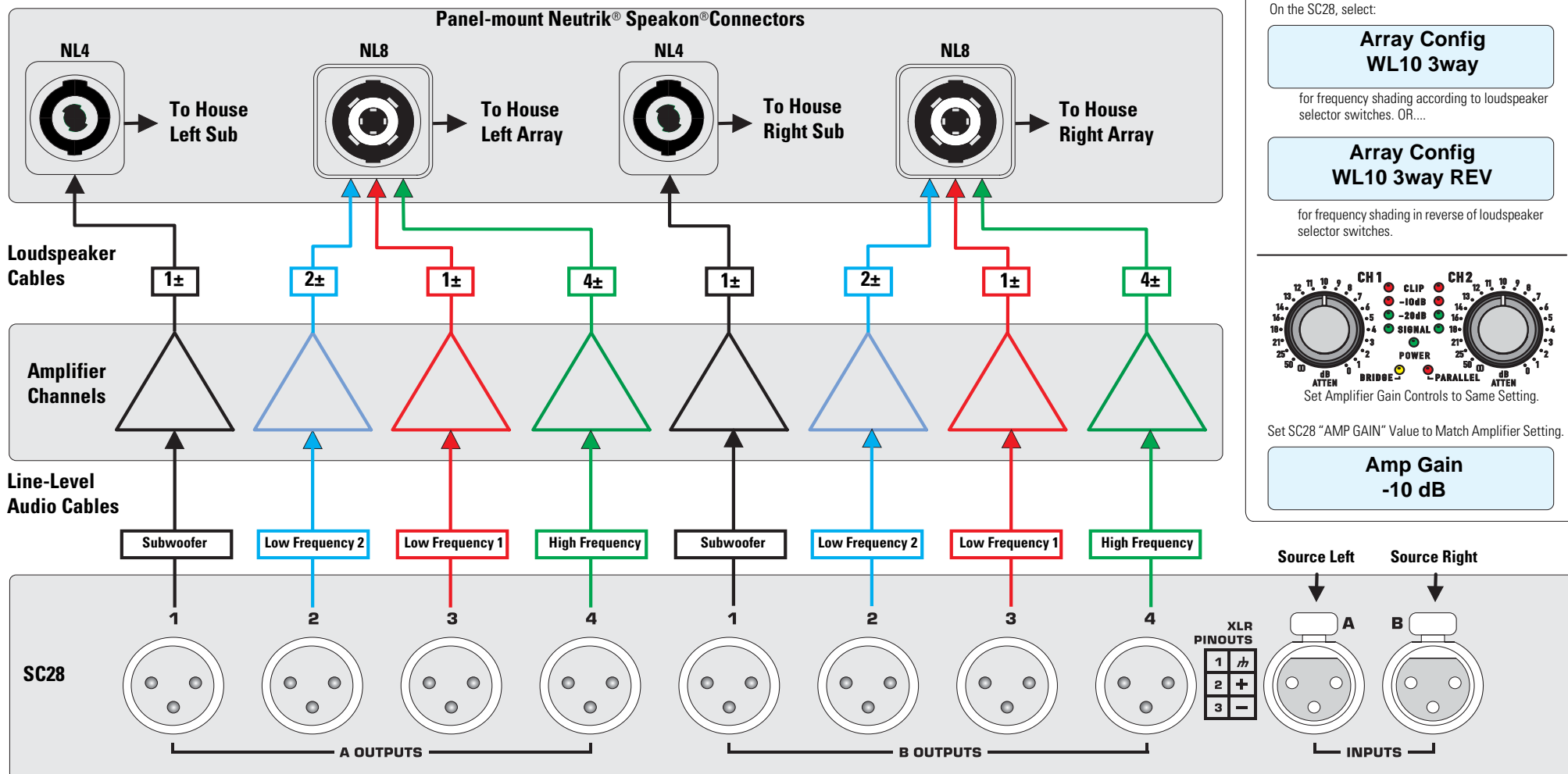
Array Config
WL10 3way REV

for frequency shading in reverse of loudspeaker selector switches.



Set SC28 "AMP GAIN" Value to Match Amplifier Setting.

Amp Gain
-10 dB



TD-000273-00 rev.B