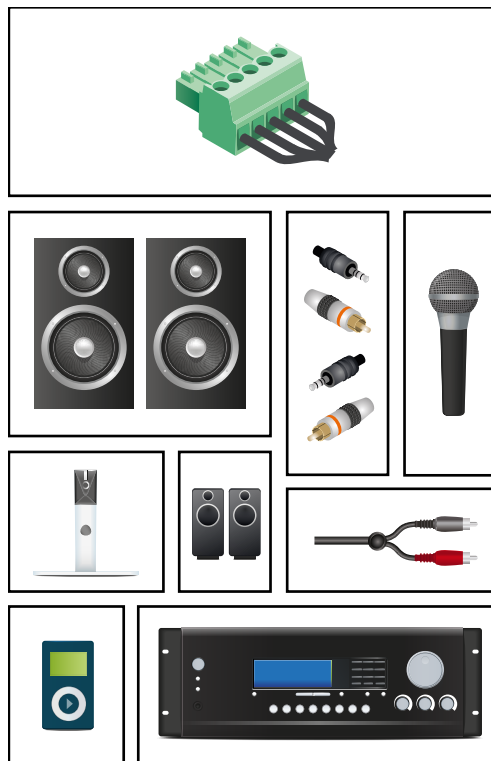


visual engineering
LIGHTWARE



Assembly Guide

Audio Cable Wiring

Audio Cable Wiring Guide

Inputs and outputs of audio devices are usually symmetric or asymmetric. The main advantage of the symmetric lines is the better protection against the noise, therefore it is used widely in the professional audio industry. Symmetric audio is most often referred to as balanced audio, as opposed to asymmetric, which is referred to as unbalanced audio. Lighthouse products are usually built with 5-pole Phoenix connectors so we would like to help users assembling their own audio cables. See the most common cases below.



ATTENTION!

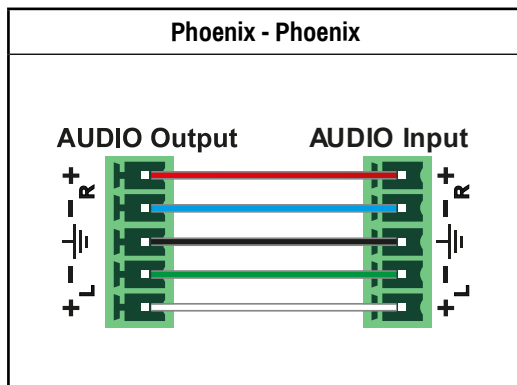
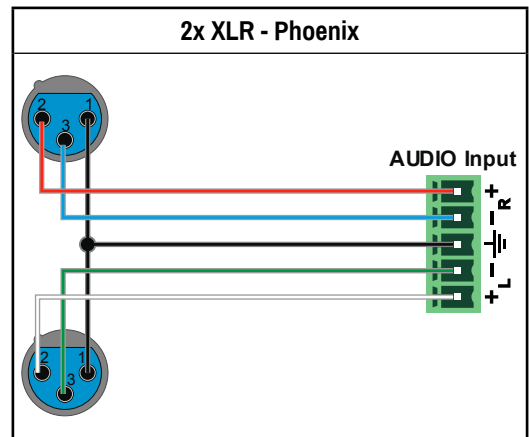
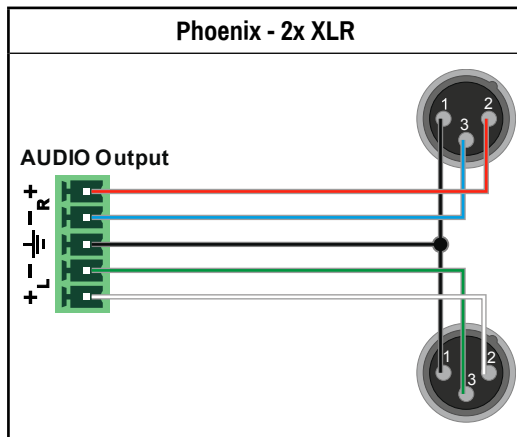
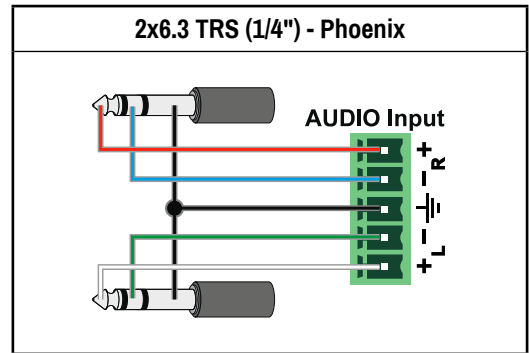
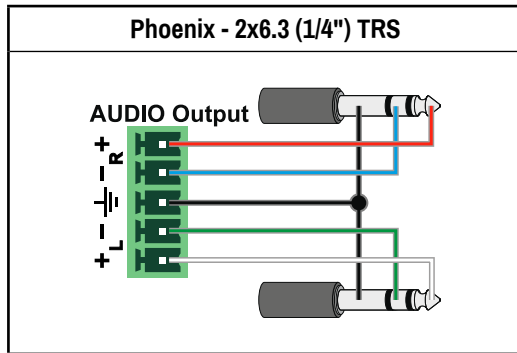
Symmetric and asymmetric lines can be linked with passive accessories (e.g. special cables), but in this case half of the line level can be lost.



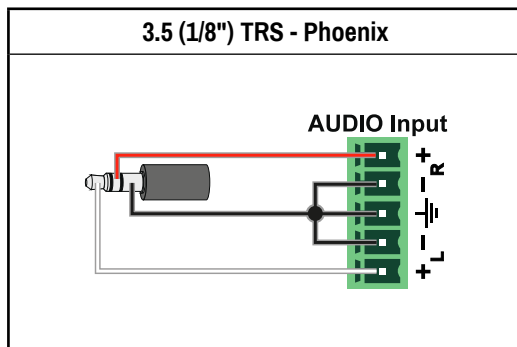
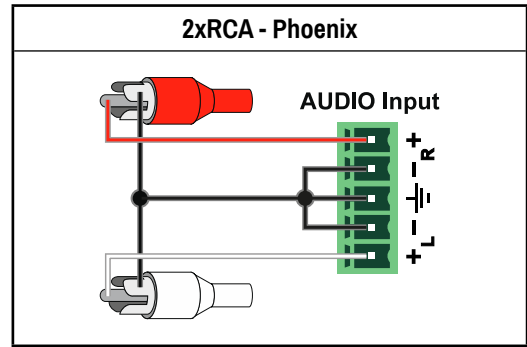
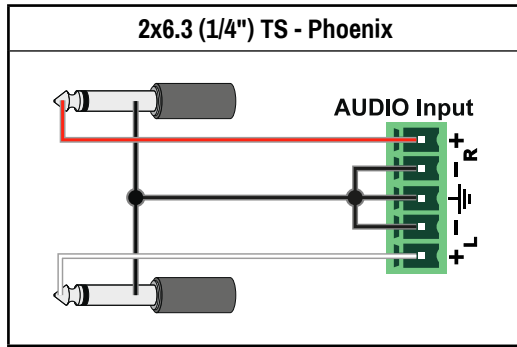
ATTENTION!

There are numerous types of regularly used connector and cable types to connect audio devices. Please always make sure that a connector or cable fits your system before use.

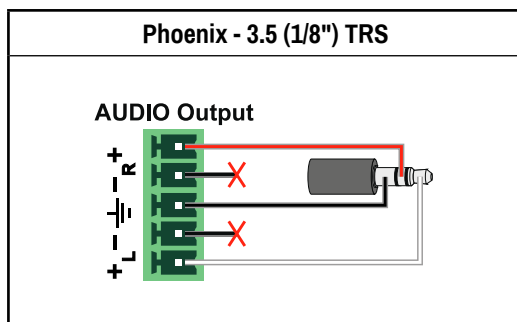
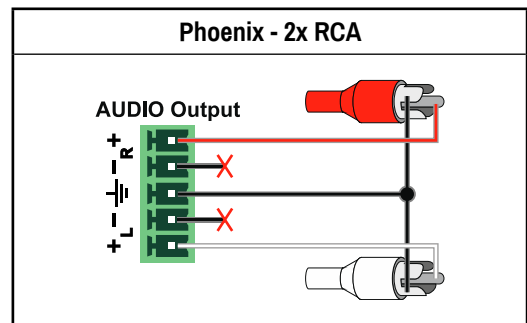
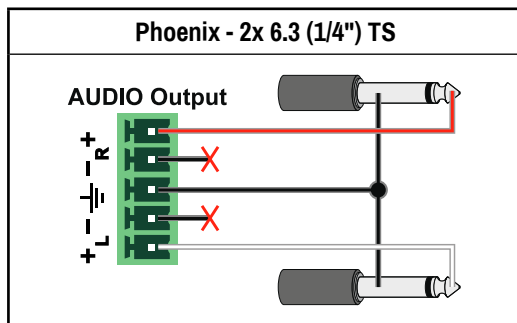
From Balanced Output to Balanced Input



From Unbalanced Output to Balanced Input



From Balanced Output to Unbalanced Input



ATTENTION!

Never join the phase-inverted (negative, cold or -) poles (either right and left) to the ground or to each other on the output side, as this can damage the unit.



INFO

Use a galvanic isolation in case of a ground loop.

Contact Us

In case of any questions, please call your local representative or contact Lightware at:

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