

EN54-24 Loudspeakers Wiring Guide

Thank you for choosing Adastra loudspeakers as part of your EN54-24 compliant public address system. Please follow the guidance below for connecting these speaker units to your amplifier for correct operation and to maintain function in an emergency scenario.

EN54-24 compliance relates to public address systems that can operate in fire-related emergency situations and dictates that a sound system remains intact to enable public announcements for emergency information and evacuation instructions.

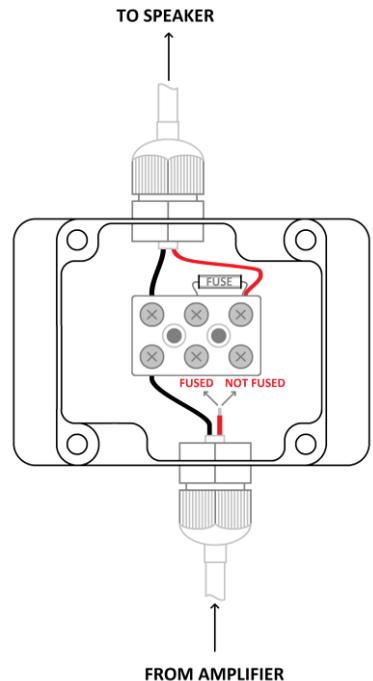
Adastra speaker units that are EN54-24 compliant have a heat-resistant ceramic terminal block for connection to the amplifier and this may also be fitted with a thermal fuse. For EN54-24 compliance, the amplifier must be connected through the fuse so that if a speaker unit becomes compromised by fire damage, the fuse will fail and avoid any short-circuit through the damaged speaker (which can damage the amplifier).

The terminal block for EN54-24 horn speakers is provided in a separate fire-resistant junction box, hard-wired to the speaker as shown opposite. A choice of FUSED or NOT FUSED connection is available. You must use FUSED connection for EN54-24 compliance.

For column speakers, the terminal block is inside the column housing. Remove the lower cover of the column speaker by unfastening the 2 screws either side of the cable entry gland. Connect to the terminals in the same way as for horn speakers.

For ceiling speakers, the ceramic terminal block is located on the rear (upper) side of the speaker basket. Again, connect the input via the thermal fuse if one is fitted.

Ensure all connections are firmly secured and that there are no loose or shorted connections.



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
Copyright© 2023. AVSL Group Ltd.*

*Unit 2-4 Bridgewater Park, Taylor Rd. Manchester. M41 7JQ
AVSL (EUROPE) Ltd, Unit 3D North Point House, North Point Business Park, New Mallow Road, Cork, Ireland.*