

Midbass setting:

The black wire of the CR-RSX-Mid crossover module can also be placed in three different positions. This three positions have following functions:

0dB --> No interference of the speaker

6dB --> LP filter with 6dB slope

12dB --> LP filter with 12dB slope

Similar to the tweeter module with disconnected wire a standard setting is active, in this case it is the 6dB position.

Install

Mount the speakers in the provided openings, by using appropriate mounting adapters or mounting rings, if necessary. Please refer to the guidelines and specifications of the vehicle manufacturer.

During the installation no wires or other components should be pinched or damaged.

Make sure the installation of door loudspeakers on corresponding holes sealing against moisture, ingress and sufficient clearance of moving mechanical parts, e.g. power windows etc. For visible installation in a specially made hole, appropriate GLADEN grills (not included) for the speaker are available. Please contact your GLADEN dealer for assistance. The tweeters can alternatively be installed at the provided OEM opening, or if such an opening is not present, mount by using

All these adjustments can be made during operation, please avoid that the bare end of the wire touches the vehicle mass or other electrically conductive parts! (Risk of short-circuits!)

the supplied casing shells. Choose an appropriate installation location without affecting the operational safety of the vehicle or the driver's view. After completing the installation and adjustment the crossover modules can be fixed by cable ties, glue pads or similar. Be sure the sufficient fixing to avoid rattling noises.

Attention!

Under certain circumstances an insufficiently fixed crossover module, or an insufficiently mounted speaker, can be a safety risk!

Listening music with high volume can cause hearing damages!

Gladen Europe GmbH
Bertha-Benz-Str.9
D-72141 Walddorfhäslach
www.gladen.com



Information on disposal of old electrical and electronic equipment

(applicable for countries that have adopted separate waste collection systems)

Products with the symbol (crossed-out wheeled bin) cannot be disposed of as household waste. Old electrical and electronic equipment should be recycled at a special waste facility. Please contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment. This product can be disposed of with the used car together. In this case don't remove it from the car.

GLADEN[®]

GERMAN TECHNOLOGY

MANUAL



RS-X Line



GLADEN[®]

GERMAN TECHNOLOGY

GLADEN[®]

GERMAN TECHNOLOGY

We are pleased that you have chosen a product of GLADEN and we wish, you enjoy it. To get the full potential of this product, please read the complete description.

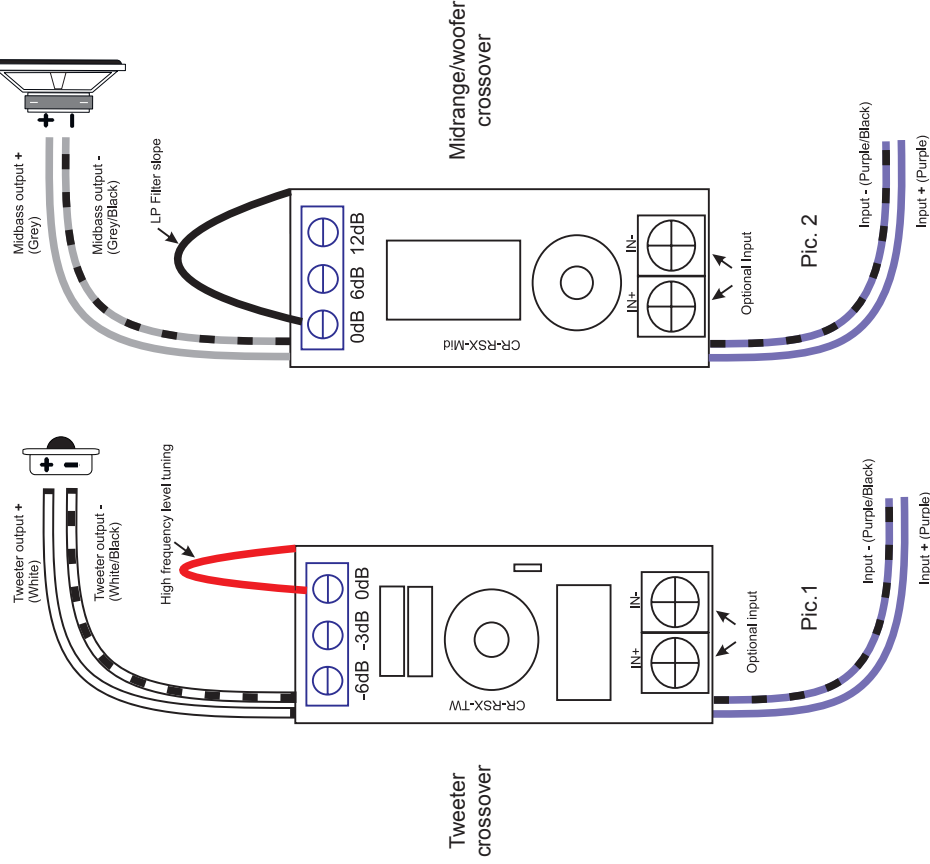
Application of the crossover

The GLADEN RS-X Line speaker system has been specially developed as practical and installation-

friendly solution. One of the resulting features is the two-piece modular crossover in a space-saving design. Therefore it is possible to integrate the system in modern vehicles, without modification of the existing vehicle conduction paths. Particular for vehicles which have not provided the tweeter and midrange/woofer slots in the same assembly.

Input connection with speakers in different assemblies:

(e.g. tweeter in the A-pillar and midrange in the door)



Pic. 1

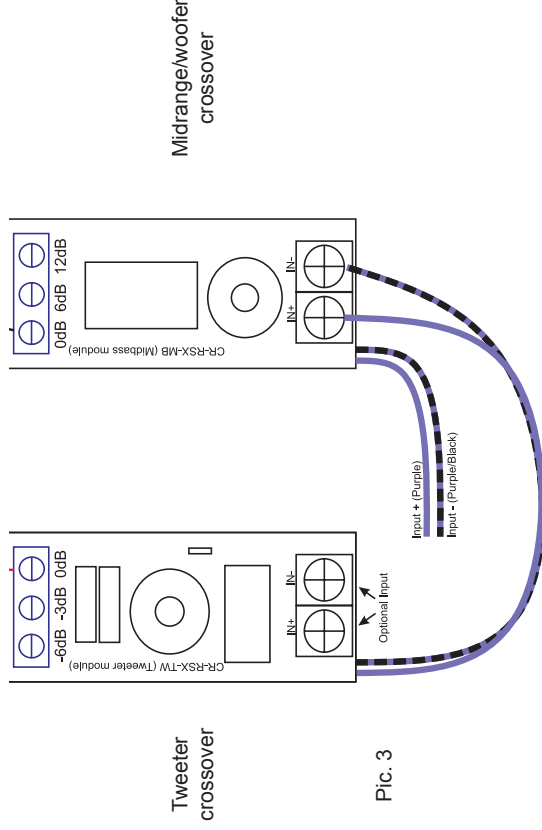
Pic. 2

By adapting to the present connectors, the vehicle wiring can be assume 1:1 by the respective crossover modules from the GLADEN RS-X Line system. We recommend the use of vehicle-specific adapter plugs, available at your GLADEN dealer.

Picture 1 and 2:
The purple twisted wire from the crossover modules

Input connection with speakers in the same assembly:

(Vehicles with tweeter + midrange in the same assembly, e.g. door)



Pic. 3

Picture 3:
In a common line of the vehicle wiring, the RS-X crossover modules can be connected together as required. Similar to a bypass circuit. At one of the modules the purple twisted wire from the other crossover module will be connected to the input screw terminals. Finally the remaining purple twisted wire is the input

for the complete system. Alternatively, the free screw terminal of the second module can be used as input. It doesn't matter which of the two crossover modules is used as input.

Speaker output connection

Tweeter: The tweeter of the RS-X system must be necessarily operated with a crossover, otherwise there is a risk of destruction! Connect the tweeter output (white twisted wire) of the tweeter crossover module to the wire from the tweeter. The existing wire on tweeter plug connections and cable colors are identical to those of the crossover, therefore a wrong connection is prevented.

Midbass: The midrange/woofer can be operated in principle without crossover, in this case the frequency response is limited only by the parameters of the speaker. We recommend the use of the midbass crossover module. By using the crossover it is possible to influence the sound transmission of the midrange in the upper frequency range. (Take over frequency to the tweeter)
Connect the output (grey twisted wire) from the midbass crossover module to the woofer/midrange.

Setting the crossovers

Depending on the circumstances in the vehicle or to your listening habits, it may be useful to make settings. We recommended to compare the various settings in an audition or a frequency response measurement with each other.

Following settings are available:
0dB --> **No reduction**
-3dB --> **Little reduction**
-6dB --> **Maximum reduction**

The crossover is designed that during the removal of the wire, the -6 dB adjustment is active. This will ensure the operation, if the wire is not connected.

Tweeter setting:

The red wire from the setup screw terminal of the tweeter crossover (CR-RSX-TW) can be placed in three different positions, this activates the attenuator.