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GLADEN ONE 201 BMW

GLADEN ONE 201 BMW EXTREME

Connection to the amplifier

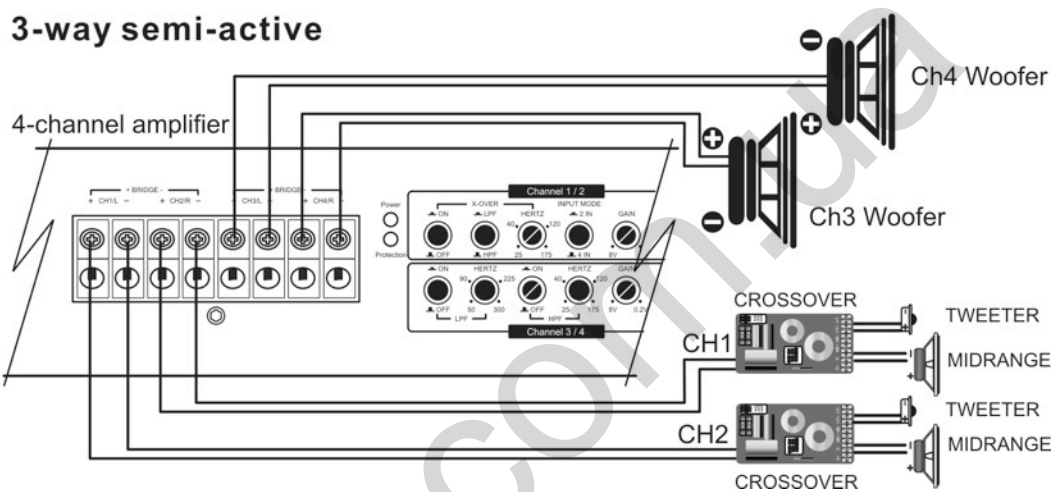
GLADEN ONE 201 BMW has to be driven by a 4-channel amplifier (or two 2-channel amplifiers). It must have an adjustable high pass on two channels and an adjustable low pass on two channels.

Connect both woofers (located under the front seats) to two channels of the amplifier. Set the crossover to "low pass" and set the cutting frequency on between 100 Hz and 130 Hz.

After the installation of the tweeters and the midrange speakers in the doors and linked to the crossovers,

connect the crossovers to the two other channels of the amplifier. The cutting frequency has to be on 180 Hz. If the amplifier scale is not exactly enough, a higher frequency should be selected.

The level adjustment of the two subwoofer channels should be set a little bit higher than those of the midrange/tweeter, according to the individual taste. The absolute loudness of both channels has to be adapted to the pre resistance output of your radio.



DESCRIPTION OF THE CROSSEVERS



Remark:

Tweeter a little bit to loud > cut the cable loop 2

Tweeter or voices hissing > cut the cable loop 1

Adjusting recommendation:

Cutting the cable loop 1 to reduce the level of the tweeter.

If the original BMW system is without tweeters, the suggestion is to cut both cable loops.

Please note, that by cars, which have a part-/or active-system on board, the

GLADEN ONE 201 BMW speaker can be installed but you need for the on-board radio/amplifier a processor with signal summing function:

MOSCONI DSP 6to8

MOSCONI DSP 4to6 or **4to6 Dif DSP**

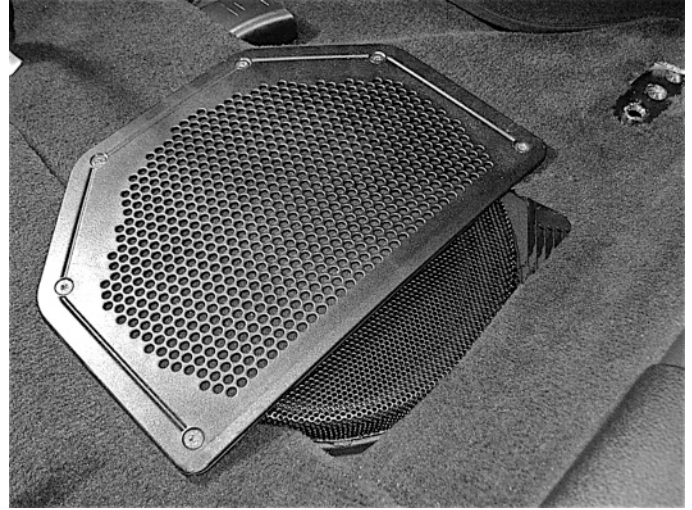
GLADEN ONE 120.4 DSP dsp amplifier

MOSCONI HLA-SUM high / low converter.

Mounting the under seat woofer:



Please glue the included round fleece centered under the original BMW grill (see picture). Attend that the GLADEN grill don't hits the BMW grill.



Cut in the carpet and wrap it (see picture) without covering the speaker.

GLADEN ONE 201 BMW modification for installation at BMW 5 line E60/61



At the original metal sheet, on which the midrange speaker is installed, the fold (see picture) has to be face grinded, that the **GLADEN** midrange speaker rests on the metal sheet.



Now fit the midrange speaker with the included knurled screws.

Technical data:

GLADEN ONE 201 BMW

3-way semi-active speaker system:

4x 100 / 150 Watt nominal / music load
Impedance 3 Ohm
4-times adjustable crossover

GLADEN ONE 201 BMW EXTREME

3-way semi-active speaker system:

2x 100 / 150 Watt nominal / music load (Mid-High)
Impedance 3 Ohm
2x 150 / 225 Watt nominal / music load (Woofer)
Impedance 2 Ohm
4-times adjustable crossover

Security information:

- Operate the system only with a 4-channel amplifier (or with two 2-channel amplifiers) with adjustable high/low pass filters, which can be adjusted
- Run the system only in this version
- Changes or enhancements of the crossover can damage the speakers or even cause a fire in the car
- Never operate the speakers without crossover. Risks of damage! In this case you will lose the warranty
- Please respect all instructions of the car manufacturer and never perform works which can influence the security of the car
- Too loud music can reduce your attention to the traffic and can influence your hearing negatively