

Installation Manual for IQ-C6.2 TESLA S or Tesla X 2-Way Component System or IQ-X6.5 Tesla S Coaxialsystem

<i>IQ-C6.2 Tesla S</i>	2-way component set	135 Watt	Part-No. 231801
<i>IQ-C6.2 Tesla X</i>	2- way component set	135 Watt	Part-No. 231802
<i>IQ-X6.5 Tesla S</i>	Coaxial system	135 Watt	Part-No. 231806

**Please read installation manual carefully before beginning
installation!**



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Dear valued customer,

We congratulate you on your purchase of our superior product and thank you for placing your trust in AudioCircle®. We have put together this installation manual with great consideration of different mechanical and acoustical auto features. Nevertheless, mistakes can happen. We would greatly appreciate your bringing any mistakes you come across to our attention.

Best wishes,

Your AudioCircle Team

Important Safety Instructions

Please read all warnings found in this manual. They inform you of the potential danger of personal injury or damage to property.

Our products are intended for use only by those possessing the necessary specialized knowledge. The relevant safety regulations regarding related auto parts, the regulations on internal vehicle safety, as well as the regulations of the authorized vehicle manufacturers should be followed diligently.

Hearing Damage

Continuous, excessive exposure to sound pressure levels in excess of 85 dB can cause a loss of hearing. AudioCircle® components are capable of producing sound pressure levels greater than 85 dB.

Volume and Driver Awareness

Use of sound components can impair your ability to hear necessary traffic sounds and may constitute a hazard while driving your automobile.

AudioCircle® accepts no liability for hearing loss, bodily injury or property damage as a result of use or misuse of this product.

Working on Automobile

Do not use your automobile until all components of the loudspeaker system have been secured to the interior framework. Failure to do so may turn a component into a dangerous, flying projectile during a sudden stop or accident.

Do not drill or drive screws through any vehicle interior or carpeted floor before inspecting the underside for potential punctures to control lines or cables. Be sure to avoid all fuel lines, brake lines, electrical cable or oil lines when planning the installation.

Before beginning installation of the loudspeaker system remove the minus connector (-) from the automobile battery in order to avoid possible short circuits.

Use care when removing interior trim panels. Car manufacturers use a variety of fastening devices that can be damaged in the disassembly process.

If sheet metal must be cut or removed contact your authorized car dealer for professional advice. **By damage to supporting body structures the safety certificate may be withdrawn.**

! Shock Hazard !

Do not touch the connectors when the system is running!

Attention: Important Operational Information. Please Read Before Installation.

- The loudspeaker may be operated only with the system-synchronized crossover and under observance of the specified rated output power.
- Interchanging the woofer and tweeter connections will lead to immediate destruction of the tweeter.
- Beginning operation without the crossover, for example with an active crossover or non-system crossover, will result in damage to the loudspeaker.
- The tweeter is not intended for active operation without passive crossover. Disregarding this will thermally damage the tweeter by feeding it at too-high power levels.
- When connecting the loudspeaker, crossover, and amplifier it is absolutely necessary to employ the same polarity. Interchanging the polarity produces an unnatural sound lacking bass reproduction.
- The component systems are acoustically synchronized as one unit. Supplementation through an auxiliary loudspeaker or trade out with a larger woofer is not possible as this would change the overall frequency response or impedance of the system. An overload of the crossover or a single loudspeaker would then be unavoidable.
- The opening of the crossover for the purpose of altering the parts or function, for example bi-amping, is considered foreign interference and grounds for termination of the warranty
- For the purpose of technical safety, the loudspeaker should only be attached with the included self-tapping screws. We accept no liability for use of alternative methods of attachment.

Technical Data

System	IQ-C6.2 Tesla S	IQ-C6.2 Tesla X	IQ-X6.5 Tesla S
Peak power handling	135 Watt	135 Watt	135 Watt
Power rating (RMS)	65 Watt	65 Watt	65 Watt
Sensitivity	90 dB 1 W/ 1 m	90 dB 1 W / 1 m	90 dB 1 W / 1 m
Frequency response	60 – 20.000 Hz	60 – 20.000 Hz	60 – 20.000 Hz
Impedance	2 Ω	2 Ω	2 Ω
Slope	6 dB / Octave	6 dB / Octave	6 dB / Octave
Crossover frequency	1.280 Hz	1.280 Hz	4.800 Hz

Advice:

The high power loudspeaker outputs of popular headunits will be advertised with high wattage. These power ratings are marketing figures normally. Our loudspeaker products have a high sensitivity and can be driven directly from the headunit with at least 2 x 12 Watt RMS. Generally however we recommend using an amplifier to be able to use the full dynamic range of the loudspeakers.

Capabilities

AudioCircle loudspeakers are high-quality car audio systems that can be used with any commercial amplifier. For optimal sound reproduction in the vehicle we recommend the use of a linear amplifier with at least 30 Watts of power. The excellent efficiency of the loudspeakers provide an enormous dynamic range, which is fully appreciable even at the lowest performance levels.

Installation front door Tesla Model S Compo and Coax system

The speakers will be installed at the factory installation place in the doors and A-column.

- Remove the armrest carefully and unscrew the screws and remove the bolts to take off the doorpanel.
- Unplug the original speakers and then unscrew the speaker and remove from opening.
- Now place your new Audiocircle IQ-X6.5 IQ-W6.5 Tesla S in the opening and reconnect the OEM plug to your new speaker.
- put doorpanel back at place, bolt and screw and finally put armrest in it's position.

So the installation of an Coaxial systems is completed.

If you have the 2-way compo set IQ-C6.2, you will now install the tweeters.

please proceed as follows:

- carefully remove the speaker baffle on the lower part of the A-column.
Unplug the original tweeter, declip and remove from its location.
- now put your Audiocircle IQ-tweeter in and connect tot he OEM plug
- then put back the baffle.

now also the installation of an 2-Way-systems is finished.

Installation front door Tesla Model X Compo system

The speakers will be installed at the factory installation place in the doors and A-column.

- Remove the armrest carefully and unscrew the screws and remove the bolts to take off the doorpanel.
- Unplug the original speakers and then unscrew the speaker and remove from opening.

- Now place your new Audiocircle IQ-W6.5 Tesla X in the opening and reconnect the OEM plug to your new speaker.
- put doorpanel back at place, bolt and screw and finally put armrest in it's position.

Now the tweeter is installed

- carefully remove the cover of the A-column.
Unplug the original tweeter, declip and remove from its location.
- now put your Audiocircle IQ-tweeter in and connect to the OEM plug
- then put the A-column cover back.

the installation of the 2-Way-systems is completed.

Installation rear door Tesla Model X Compo system

The speakers will be installed at the factory installation place in the doors.

- Remove the armrest carefully and unscrew the screws and remove the bolts to take off the doorpanel.
- Unplug the original speakers and then unscrew the speaker and remove from opening.
- Now place your new Audiocircle IQ-W6.5 Tesla X in the opening and reconnect the OEM plug to your new speaker.

now the tweeter is installed

- unplug the original tweeter, declip and remove from its location.
- now put your Audiocircle IQ-tweeter in and connect to the OEM plug
- put doorpanel back at place, bolt and screw and finally put armrest in it's position.

the installation of the 2-Way-systems is completed.

Maintenance

The components should be cleaned at regular intervals as the conditions in motor vehicles rapidly cause soiling and a deterioration of the material. Use a soft, moist cloth and wipe dry. Do not use any solvents or organic detergents.

Warranty

MS Handels GmbH undertakes for all products a minimum 2-years warranty or the statutory warranty period for the perfect function of all parts. The warranty begins with the acquisition of the product by the authorized dealer, is entitled only to the direct first buyer, and is non-transferable.

The warranty covers all material and manufacturing defects, however it excludes mechanical defects, defects caused by electrical overloading and foreign interference by unauthorized persons.

Mechanical Defects

Defects resulting from damage to the components during installation, dirt or metal shavings in the open magnetic system, and inappropriate installation for use not corresponding to the intended range of application.

Electrical Defects

Damage resulting from electrical and thermal overloading and/or inadmissibly high power supply, and clipped amplifiers.

Electromechanical Defects

Damage occurring from operation of the loudspeaker system with too high volumes, inappropriate enclosure volume, for example, trunk, etc., and the corresponding damages caused such as burned voice coils and broken lead wires, and accidents, including acts of God, or others for which MS Handels GmbH cannot be held accountable. In particular, water and fire are not subject to warranty. Normal wear and tear is not covered under warranty.

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