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CSP550



CSP650

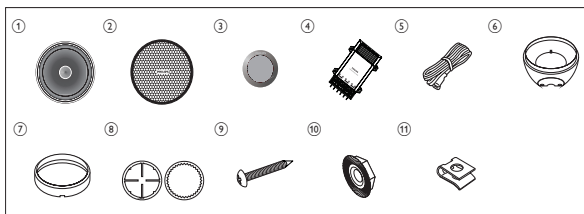


CSP652

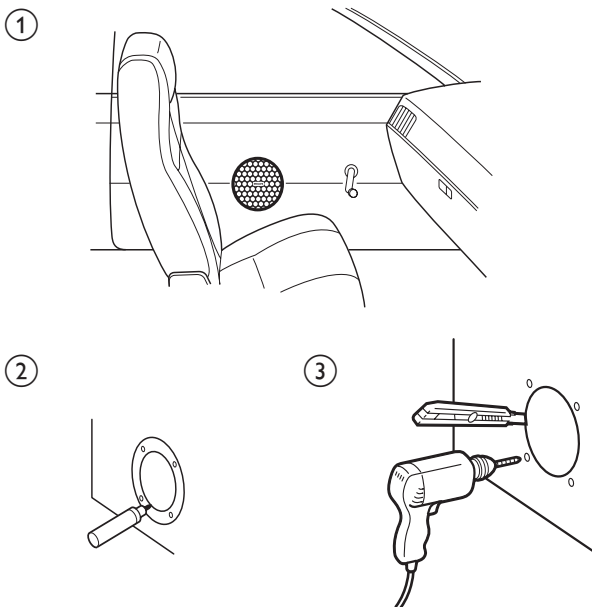
EN User manual

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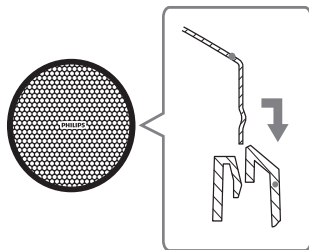
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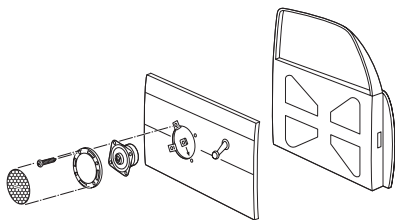
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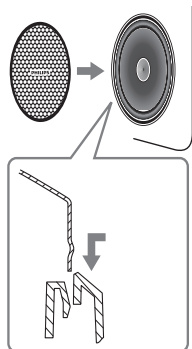
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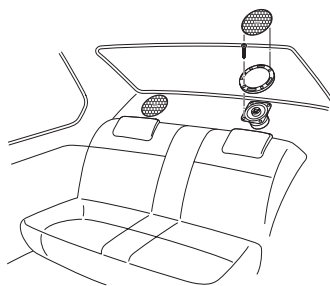
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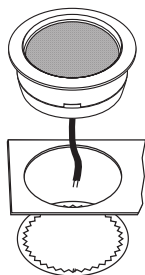
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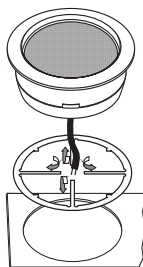
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D



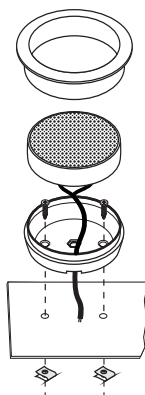
Option 1:
Flush mounting



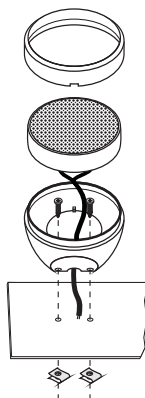
Option 2:
Flush mounting



Option 3:
Surface mounting



Option 4:
Surface mounting

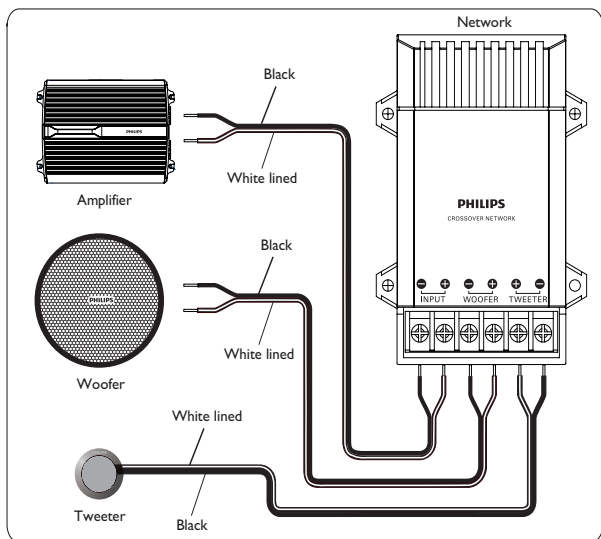


Option 5:
Angle mounting

E



F



1. Important

Safety

- Read and understand all instructions before you use the apparatus. If damage is caused by failure to follow instructions, the warranty does not apply.
- Use only the supplied mounting hardware for a safe and secure installation.
- Do not continuously use the speaker system beyond the peak power handling capacity.
- Keep credit cards, watches, recorded tapes etc. with magnetic coding away from the speaker system to prevent damage caused by the magnets in the speakers.
- Clean the apparatus with soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the apparatus.

Notice

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.) Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Any changes or modifications made to this device that are not expressly approved by Philips Consumer Lifestyle may void the user's authority to operate the equipment.

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2. Your car stereo speakers

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Introduction

With the woofers and tweeters, you can enjoy high power music with vivid sound.

What's in the box A

Check and identify the contents of your package:

- ① Woofer (x2)
- ② Grille assembly (x2)
- ③ Tweeter (with wire) (x2)
- ④ Network (x2)
- ⑤ Speaker wire (x4)
- ⑥ Angle adapter (x2)
- ⑦ Fix frame (x2)
- ⑧ Mounting bracket (x4)
- ⑨ Screw
- ⑩ Screw nut
- ⑪ Shrapnel

3. Installation

A depth of at least 52mm is required to mount the woofer and a depth of at least 19mm is required to mount the tweeter. Measure the depth of the area where you are to mount the woofer/tweeter, and ensure that the woofer/tweeter does not obstruct any other components of the car.



Note

- Make sure that nothing obstructs around the mounting location of the door.
- A hole for mounting may already be cut out of the inner panel of the door (front or rear). In this case, you need to modify the board only.
- Ensure that the speaker terminals, frame or magnet do not interfere with any inner parts, such as the window mechanism in the door (when you open or close the window), etc. Also ensure that the speaker grille does not touch any inner fittings, such as the window cranks, door handles, arm rests etc.

Mount the woofer

Option 1: Mount on door (front or rear) B

You can mount the woofers on the front/rear door of your car. ^①

- 1 Turn off the car ignition key.
 - If the power is on, the click noise generated by the connection may damage the speakers.
- 2 Cut out the mounting template from the packing box and paste it on the location selected for mounting the woofer.
- 3 Mark the cut-off hole and the 4 bolt holes. ^②
- 4 Cut out the marked area and drill the bolt holes. ^③
- 5 Remove the grille net. ^④
- 6 Connect the woofers to the network or car audio (see 'Connect the woofer/tweeter to the network').
- 7 Mount on the speaker as shown below. ^⑤

8 Press and insert the edges of the grille net. ⑥



Tip

- The speaker grille can be mounted without the grille net, if you like.

Option 2: Mount on rear tray C

You can also mount the woofers into the surface of the rear tray. Follow the steps in section “Option 1: Mount in door” to mount the speakers into the rear tray.

Mount the Tweeter D

Follow steps mentioned in “Mount the woofer” section to mount the tweeters.

Mount the network E

- 1 Find a proper location to mount the networks.
- 2 Mount the networks onto the car with the supplied screws.

Connect the woofer/tweeter to the network F



Note

- Match the “left”, “right”, “+” and “-” terminals correctly. Revised polarity may degrade sound quality.
- Two 4-ohm speakers, wired in stereo, present a 8 ohm load to each channel of the amplifier. Most two channel amplifiers work well in this configuration. However, if two 4-ohm speakers, wired in parallel to a bridged two -channel amplifier, present a 2-ohm mono load to the amplifier. Most 2-channel amplifiers do not support 2-ohm mono operation! Amplifier damage may result!

- 1 Connect the woofers and the tweeters to the 2-way crossover network first, then connect the network to your amplifier or car audio directly.

4. Product information

Model	CSP550	CSP650	CSP652
Speaker type	13cm, 2-way component speaker	16.5cm, 2-way component speaker	16.5cm, 2-way component speaker
RMS power (Watts)	40W	50W	60W
Peak music power (Watts)	210W	240W	300W
Sensitivity (dB/W/m)	90dB	90dB	91dB
Frequency response (Hz)	40-35kHz	36-35kHz	34-35kHz
Impedance (ohms)	4 ohms	4 ohms	4 ohms
Magnet mass (Oz)	11Oz	12.6Oz	18.8Oz
Woofer mounting depth (mm)	52mm	61mm	63mm
Tweeter mounting depth (mm)	19mm	19mm	19mm



Note

- Product information is subject to change without prior notice.

5. Troubleshooting

To keep the warranty valid, never try to repair the system yourself. If you encounter problems when using this apparatus, go to the Philips web site (www.philips.com/welcome). When you contact Philips, ensure that the apparatus is nearby and the model number and serial number are available.

