



Philips
Car coaxial speaker

16.5 cm (6.5")

2-way
240W Peak



CSP650

Your mobile music theater

with superb sound performance

Play your music loud without distortion with the 16.5cm Philips Car component speaker system CSP650. With peak music power at 240W and an external crossover network to restore high fidelity details, music is presented with clean sound.

Hear every sound detail

- External crossover network precisely restores original sound
- Fiber-composite cone delivers sound with lowest distortion
- Soft silk dome tweeter to restore high fidelity details
- Swivel tweeter to optimize high-frequency response

Extra music power on the road

- 50W RMS power handling
- Butyl rubber surround for maximum smooth response
- Strong ferrite magnet for high power performance

High durability, sustainable performance

- Sturdy fiber-composite cone for all-weather performance
- Stylish speaker grille protects against damages
- Endurance and performance stability in extreme conditions

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Highlights

Strong ferrite magnet



Ferrite is a lightweight but strong material with a permanent and coherent magnetic field. It is the key speaker component that induces the movement of the voice coil and the diaphragm. When an input signal is received, the voice coil acts as an electromagnet that causes the woofer and tweeter diaphragm to either attract or repel. The ferrite magnet produces an even magnetic field for smooth diaphragm movement, ensuring sound output with lower distortion. Using such a stable and highly coercive magnet like ferrite, the voice coil can produce loud sounds while keeping the tone smooth.

Butyl rubber surround



Highly responsive butyl rubber connects the woofer diaphragm to the speaker frame to form a surround suspension system. When a sound signal reaches the cone inside the woofer, the stiff yet elastic butyl rubber surround assembly keeps the cone in

position, protecting it from strong upward or downward force that may occur when the signal is strong. By doing so, the woofer can withstand the surge of powerful beats and deliver a smooth bass response with a minimum of distortion even from a small speaker.

Fiber-composite cone



Fiber-composite cone delivers sound with lowest distortion

Soft silk dome tweeter

Silk is ideal material for tweeter domes due to its light weight, high sensitivity and stability, and its tolerance for high temperatures. Inside the tweeter, the small diaphragm (the dome opening) produces high frequency tones. These soft and light silk domes can capture even the highest musical notes, to make your music full of high fidelity details such as warm, mid-range vocals and vivid, lively trebles. The dome shape also spreads the sound around so that you can hear the high notes from every seat in the car.

Swivel tweeter

High-frequency sounds are directional. If the tweeter is not pointed in the right direction in your car, you may miss out on having the best sound possible. The tweeters inside these Philips car speakers are able to swivel, allowing you to adjust their direction up to 90 degrees and directing the best sound right to your ears regardless of where they are installed in your car.

Specifications

Sound

- Output power (RMS): 50W
- Peak Music Power: 240W
- Sensitivity: 90dB
- Frequency response: 36-35k Hz
- Impedance: 4 Ohms

Loudspeakers

- Speaker type: Component speaker
- Number of ways: 2-way
- Speaker size: 16.5cm (6.5")
- Number of Loudspeakers: 4

Woofer

- Diaphragm: Cone
- Diaphragm material: Fiber-composite
- Surround: Rubber
- Voice coil: Single
- Voice coil material: Copper
- Magnet: Ferrite
- Magnet mass: 12.6 Oz
- Damper: Conex

Tweeter

- Size: 36mm (1-2/5")
- Diaphragm: Dome
- Diaphragm material: Silk
- Magnet: Neodymium
- Mounting options: Angle mounting, Flush mounting, Surface mounting, Swivel mounting

Accessories

- Crossover network: Passive
- Speaker grille: With metal net
- Quick start guide: English, Spanish, Portuguese, Russian, Simplified Chinese
- Angle adapter: 2
- Fix frame: 2
- Mounting bracket: 2
- Cables: Speaker wires

Dimensions

- Product dimensions (W x H x D):
172 x 80 x 172 mm
- Mounting depth: 61.3 mm

