



Philips  
Car coaxial speaker

**16.5 cm (6.5")**

3-way  
400W Peak



**CSP620**

## Your mobile music theater

with 3-way stereo for powerful sound

Feel your music with the Philips Car stereo speakers CSP620. These 16.5cm 3-way speakers have peak power at 400W, and feature a fiber-composite cone with a soft PEI dome tweeter so you can enjoy powerful music in clear sound.

### **Powerful music on the road**

- 80W RMS power handling
- Fiber-composite cone delivers sound with lowest distortion
- Soft PEI dome tweeter for warm and textured tones
- 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

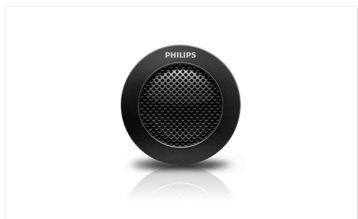
### **Easy to use and install**

- Fits perfectly in all 16.5cm speaker openings
- Simple wires plug-in for designated speaker terminals

# PHILIPS

## Highlights

### Soft PEI dome tweeter



PEI (Polyetherimide) is ideal material for tweeter domes due to its light weight, high tensile strength, high stability and tolerance for high temperatures. Inside the tweeter, the small diaphragm (the dome opening) produces high frequency tones. These PEI domes can capture even the highest musical notes to make your music textured with warm, full-range treble. The dome shape also spreads the sound around so that you can hear the high notes from every seat in the car.

### Strong ferrite magnet



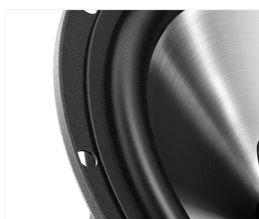
Ferrite is a lightweight but strong material with a permanent and coherent magnetic field. It is the key speaker component that induces the movement of the voice coil and the diaphragm. When an input signal is received, the voice coil acts as an electromagnet that causes the woofer and tweeter diaphragm 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.

### Fiber-composite cone



Fiber-composite cone delivers sound with lowest distortion

### 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.

### Stylish speaker grille



The speaker grille has been designed to give cars the look of luxury. Composed of two parts - a detachable metal mesh casing and a plastic ring, when installed over the speaker, it fully covers the tweeter dome and speaker cone. Hard and durable, it protects the speakers from accidental kicks and curious fingers, both of which can be damaging to their sound performance.

## Specifications

### Sound

- Output power (RMS): 80W
- Peak Music Power: 400W
- Sensitivity: 90dB
- Frequency response: 35-32k Hz
- Impedance: 4 Ohms

### Loudspeakers

- Speaker type: Coaxial speaker
- Number of ways: 3-way
- Speaker size: 16.5cm (6.5")
- Number of Loudspeakers: 2

### Woofer

- Diaphragm: Cone
- Diaphragm material: Fiber-composite
- Surround: Rubber
- Voice coil: Single
- Voice coil material: Copper
- Magnet: Ferrite
- Magnet mass: 8.6 Oz
- Damper: Conex

### Mid-range

- Size: 38mm (1-1/2")
- Diaphragm: Dome
- Diaphragm material: PEI
- Magnet: Neodymium

### Tweeter

- Size: 15mm (3/5" )
- Diaphragm: Dome
- Diaphragm material: PEI
- Magnet: Neodymium

### Accessories

- Speaker grille: With metal net
- Quick start guide: English, Spanish, Portuguese, Russian
- Cables: Speaker wires

### Dimensions

- Product dimensions (W x H x D):  
172 x 76 x 172 mm
- Mounting depth: 58 mm
- Tweeter protrusion: 6.7 mm

