



Home Cinema Speaker System

FB755

## Home Cinema Speaker System

- **400 Watts Multi-standard Home Cinema Speaker System**  
5 Speaker system that matches all sound formats standards
- **3 x 100 Watts for Center, Left, Right and 2 x 50 Watts Surround Speakers**  
Plenty of power to change any living room into a home cinema
- **Full Range Tri-cone speakers for Center, Front and Surround speakers**  
With 2.5" tweeter + 2 x 5" drivers (center), 2.5" tweeter + 5.25" woofer + 7.5" wOOx (front) and 2" tweeter + 5.25" woofer + 6.5" radiator (surround)
- **Deeper & Better Bass using Philips Advanced wOOx™ Technology**  
Patented Philips invented driver technology to improve bass performance
- **Hi-Fi Dome Tweeters for more ambience and sharp sound imaging**  
Metal dome tweeters usually only found in high end HiFi speakers
- **Ferro Fluid cooled Tweeters for Clearer Highs**  
Cooling ensures better performance over longer periods
- **Easy Installation using Color coded wires and connectors**  
Reduces complexity and customer complaints
- **Magnetically protected in order to put on/near the TV set**  
To prevent harmful interference with picture tube



Let's make things better.



PHILIPS

The new Philips Home Cinema Speaker System line has been developed with the application and consumer in mind. By delivering the sound performance that really gives the consumer the feeling that he is part movie/music and by making the system easy to install and blend in with the living environment.

### Sound Enhancement

**Multistandard** - With all existing and new standards - e.g. Dolby Digital® (AC-3), Dolby Pro-Logic®, MPEG, DTS, THX - it is a confusing time for customers. This system will make it easy for them, because regardless of which standard is being used, compatibility and sound quality is guaranteed. By using full range speakers in the front as well as for the surround channels you will be able to enjoy the ultimate Home Cinema experience with space ships overheads, aliens behind the couch but no gum on the floor.

**400 Watts Surround Power Output** - With 3 x 100 Watts in the front and 2 x 50 Watts in the back there is enough power to transform any living room into a complete Home Theatre. Next to the five channel sound input, the system also performs very well in other sound modes, such as normal stereo, front (Center + Left + Right) and matrix (4 speakers) surround.

**Tri-Cone Speakers** - For clear vocals and realistic reproduction of the center channel effects the Center speaker is using two 4" drivers and a 2" tweeter. In order to reproduce the deep and rumbling bass experience in the cinema 7.5" wOOx™ drivers (see below) have been integrated with a 5.25" woofer and 2.5" dome tweeter in the Front speakers. Also the surround speakers cover the full acoustical bandwidth by using 6.5" passive radiators (see below), 5.25" woofers and 2" tweeters.

**Passive Radiators** - A passive radiator is in fact a speaker driver without the magnet/active part. The speaker movement comes from the sound pressure, which is being built up inside the box by the movement of the woofer. This "slave" driver, as it is also called, can be very well used to reproduce the lower frequency bandwidth. The advantages of using a passive radiator instead of a bass-reflex system, are that it has no distortion from air turbulence around the bass ports and can be tuned to lower frequencies, to give that real earthshaking cinema feeling.



**wOOx™** - Is the ultimate in passive radiator technology. It uses a Philips invented suspension, especially designed to handle the high dynamic signals needed for high sound pressure levels usually found in action movies and special effects. The wOOx™ driver's special suspension in combination with the right design parameters will provide you with deeper and more natural bass.

**Metal Dome Tweeters** - For the Center and Front speakers we are using metal domes which are usually only found in high end HiFi speakers. The dome tweeters give extra ambience and provide sharp stereo imaging for both HiFi Stereo and Home Cinema listening. These details ensure that the customer will not miss his old HiFi speaker system, also when listening in normal stereo mode.

**Gold Plated Screw Connectors** - In order to stand the test in quality with high end HiFi stereo speakers, the front speakers have been equipped with gold plated screw connectors. This prevents signal loss due to oxidation over time. Just one of the many details in our designs.

### Sound Enhancement

**Ferro Fluid Cooled Tweeters** - Tweeters that "loose their cool" suffer from poor performance. Characteristically ferro fluid efficiently removes heat away from the tweeter, ensuring maximum performance even after continuous periods of high performance. The result is that the high notes are reproduced crystal clear.

### Convenience

**Easy Hook Up** - With color coded speaker connections and wires for quick and easy connection. By using distinct colors for each of the speaker connection terminals on the speaker and on the set, and using the same color for the cable, the chance on faulty connection (and customer complaints) are practically zero!

**Small footprint** - By using a small footprint the "bookshelf" style left/right speakers can be placed easily on small surfaces near the TV.

**Adjustable Center Speaker Stand** - Of many TV sets the top is not flat anymore. Therefore we have designed an adjustable stand in the center speaker so that the speaker can still be placed on top of the modern TV sets.

**Magnetically protected** - All speakers are magnetically protected to prevent interference with television picture tube purity.

### Design

**Design Concept** - Characteristics of the Philips Home Cinema design language are: stylish, simple, capable, powerful and rich. These speakers are excellent examples of the implementation of this language.

**Stylish** - With the curved front, the speakers clearly distinguish themselves from the rest of the square pack of speakers. They follow the design trends of modern TVs and many other furniture elements.

**Simple** - The sharp angles give it a crisp and refreshing look and the design is "quiet" enough the fit in many different environments.

**Capable/Powerful** - The slightly upward "shouting" shape gives the speakers a powerful impression.

**Rich** - Large but thin cloth frames have been used to give the speakers a high quality look.



Optional accessory FB301  
100 watts subwoofer



Preferred package for Philips Receiver FR755 or FR970

### Technical Specification

#### Center Speaker

- Impedance : 6 Ohm
- Frequency Range : 75 - 20,000 Hz
- Power Handling - Nominal : 100 Watts
- Power Handling - Maximum : 200 Watts
- Sensitivity : 89dB
- Tweeter : 2.5" Dome
- Loudspeaker : 2 x 5"
- Crossover Frequency : 4500 Hz
- Connectors : Click Fit (Blue/Black)

- Material : High Impact Polystyrene
- Wires : 3 Meter AWG20 (Blue/Black)
- Dimensions (H x W x D) : 149 x 435 x 159mm
- Volume (Internal/External) : 5.2/6 litre
- Weight : 2.0 Kg

#### Front Speakers (2)

- Impedance : 6 Ohm
- Frequency Range : 40 - 20,000 Hz
- Power Handling - Nominal : 100 Watts
- Power Handling - Maximum : 200 Watts
- Sensitivity : 89dB
- Tweeter : 2.5" Dome
- Woofer : 5.25"
- Passive Radiator : 7.5" wOOx™
- Crossover Frequency : 4500 Hz
- Connectors : Screw, Gold Plated (Red/Black)

- Material : Wood + High Impact Polystyrene
- Wires : 4 Meter AWG18 (Red/Black)
- Dimensions (H x W x D) : 530 x 276 x 212mm
- Volume (Internal/External) : 9.3/12.8 litre
- Weight : 5.4 Kg

#### Surround Speakers (2)

- Impedance : 6 Ohm
- Frequency Range : 40 - 20,000 Hz
- Power Handling - Nominal : 50 Watts
- Power Handling - Maximum : 100 Watts
- Sensitivity : 89dB
- Tweeter : 2"
- Woofer : 5.25"
- Passive Radiator : 6.5"
- Crossover Frequency : 4500 Hz
- Connectors : Click Fit (Red/Black)
- Material : High Impact Polystyrene

- Wires : 12 Meter AWG22 (Grey/Black)
- Dimensions (H x W x D) : 421 x 219 x 191mm
- Volume (Internal/External) : 8.5/9.5 litre
- Weight : 2.5 Kg

Package Dimensions:  
504 mm W x 592 mm H x 587 mm D  
Product weight: 18 kg

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Specifications subject to change without notice.  
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