

SURROUND FIELD SPEAKER SYSTEM



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Experience the full Dolby Pro-logic surround sound effect!

- **2-Way magnetic shielded centre speaker**
 - 30 mm PolyDome tweeter
 - Power overload protection with LED indication
 - Gold plated screw connectors
- **Diffuse field surround speakers**
 - Gold plated screw connectors
 - 25 W continuous power

Let's make things better.



PHILIPS

Standard product information

The FB 505 surround field speaker systems exists of three speakers: one 2-way centre speaker and two diffuse field surround speakers.

CENTRE SPEAKER

The centre speaker contains one Polydome tweeter and two 4" woofers to ensure a natural reproduction of the voices and the dynamic sound effects of the centre channel. The drivers are magnetically shielded so that this speaker can be used directly on or under your television set. The centre speaker features a base that allows you to tilt the speaker up or down giving you the correct listening angle for the centre sound effects.

SURROUND SPEAKERS

The surround speakers contain two full range 4" drivers each. Surround sound effects are meant to be non-directional by the software producers. Therefore the drivers are configured in a way that the resulting sound field is very diffuse. This effect recreates the cinema surround sound quality without needing multiple surround speakers. In a good cinema 16 surround speakers are used to create this diffuse field.

OVERLOAD PROTECTION

The overload protection prevents the possibility of expensive damage being caused by overload, without compromising the musical performance in any way. The protection circuit has two coloured LED indicators.

**Note:*

Like all Philips loudspeakers, the new FB 505 speaker system is designed to operate continuously, without protection, for at least 100 hours at rated (PHC) continuous power, and at least 10 minutes at maximum (Pmax) power. These generous power handling ratings are a safety factor in themselves.

The overload protection safeguards the FB 505 speaker system against any load in excess of them.

Technical specifications

GENERAL

- Continuous power : 50 W
- Maximum power : 80 W
- System impedance : 6 Ohm
- Sensitivity : 89 dB (2.83 V / 1 m)
- Crossover frequency : 4500 Hz
- Frequency response : 100 Hz - 20,000 Hz

LOUDSPEAKER UNITS

- Woofer : 4"
- Tweeter : 30 mm PolyDome

ENCLOSURE

- System : 2-way, closed
- Dimensions (h x w x d) : 124 x 380 x 221 mm
- Acoustic volume : 6.5 liters
- Total volume : 8.0 liters
- Material cabinet : Polystyrene
- Finish : grey painted
- Front : detachable cloth
- Weight : 3.2 kg/pc
- Connection : screw connectors, gold plated

Technical specifications surround

GENERAL

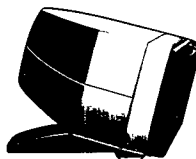
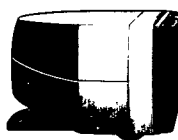
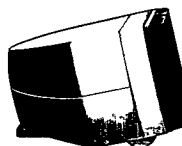
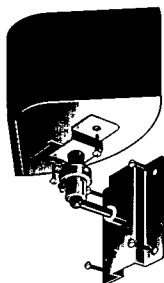
- Continuous power : 250 W
- Music power : 40 W
- System impedance : 4 Ohm
- Sensitivity : 89 dB (2.83 V / 1 m)
- Crossover frequency : 4500 Hz
- Frequency response : 200 Hz - 15,000 Hz

LOUDSPEAKER UNITS

- Full range : 2 x 4"

ENCLOSURE

- System : closed
- Dimensions (h x w x d) : 124 x 184 x 184 mm.
- Acoustic volume : 2.5 liters
- Total volume : 2.7 liters
- Material cabinet : Polystyrene
- Finish : grey painted
- Front : detachable cloth
- Weight : 1.3 kg/pc
- Connection : screw connectors, gold plated



Subject to modification without notice

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