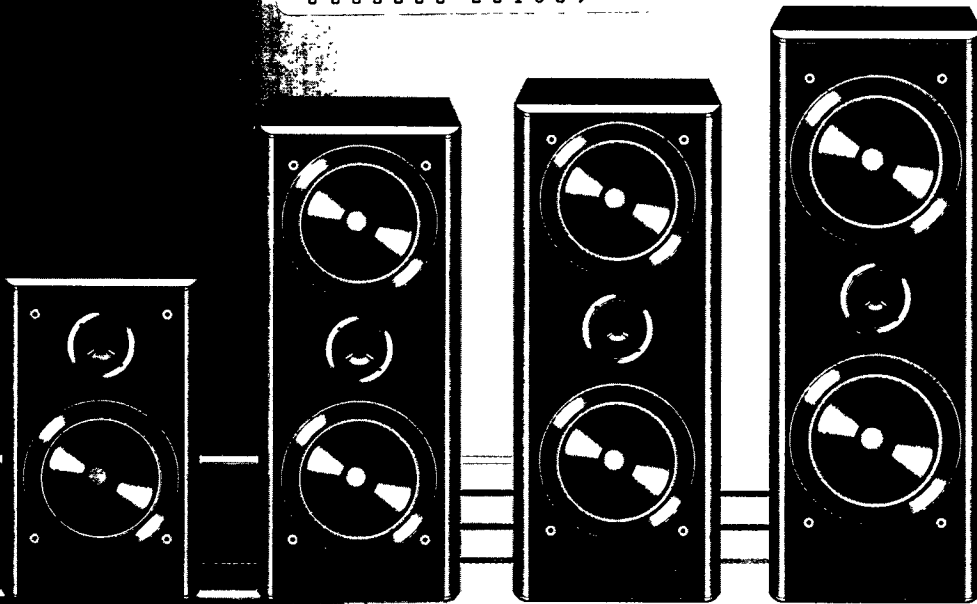


PHILIPS



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INTRODUCTION

Read the operating instructions through carefully before connecting the loudspeakers. You will find a number of tips for getting the best out of these high-quality loudspeakers.

CONNECTION

Note: Ensure that the amplifier has been switched off.

● Loudspeaker cable

Preferably use a special loudspeaker cable of at least 1.5 mm². One of the two wires should be marked so that you can distinguish between them. Strip off the insulation from the end of each of the two wires (approx. 7 mm, see fig. 1a).

● Amplifier

At the rear of the amplifier you will find a red or (+) terminal and a black or (-) terminal for each loudspeaker (Left/Right).

Connect the marked wire to the red or (+) terminal, and the **non**-marked wire to the black or (-) terminal of the amplifier (see fig. 2).

● Loudspeakers

At the rear of the loudspeakers you will find the connections, marked (+) and (-).

Connect the marked wire to the (+) terminal, and the **non**-marked wire to the (-) terminal of the loudspeaker (see fig. 1 b and c and fig. 2).

An amplifier which is used over a long period at maximum power will produce distortions which can seriously damage the loudspeakers. You should therefore never use your amplifier at full power over a long period of time.

POSITIONING

● The loudspeakers should be arranged so that, viewed from the listener's position, the loudspeaker connected to the 'L' terminals is on the left and the loudspeaker connected to the 'R' terminals is on the right in front of the listener in the room. This can be checked with the balance control on the amplifier.

● The loudspeakers should be arranged as symmetrically as possible in the room and at the same height.

● The best stereo effect is obtained when the distance between the two loudspeakers is equal to the distance between each of the loudspeakers and the listener, so that the listener and the loudspeakers form an equilateral triangle (see fig. 3)

● Avoid positioning the loudspeakers in a corner as this causes bass reproduction to be amplified too much.

● Do not place any obstacles in front of the loudspeakers as this affects treble reproduction, causing the stereo effect to be greatly diminished. The listener must still be able to 'see' the high- and middle-tone loudspeakers.

● Each room has different acoustic characteristics and the positioning possibilities are often limited. You can find the best position for the loudspeakers by experimenting.

FB 650

SPECIFICATIONS

Power handling capacity - continuous.....	50 Watt
Power handling capacity - peak (max. 10 minutes).....	80 Watt
Impedance.....	6 Ohm
Sensitivity.....	87 dB / 1 Watt / 1 Metre
Frequency response.....	46-20,000 Hz
Crossover frequencies.....	5,000 Hz
Material cabinet.....	14 mm H2
Material baffle.....	25 mm H2
Volume Internal/external.....	13,3 / 21,5 litre
Weight.....	6,2 kg
Dimensions.....	260 x 415 x 200 mm
Loudspeakers:.....	18 cm soft coated woofer
.....	2 cm soft dome tweeter

FB 670

SPECIFICATIONS

Power handling capacity - continuous.....	70 Watt
Power handling capacity - peak (max. 10 minutes).....	120 Watt
Impedance.....	6 Ohm
Sensitivity.....	87,5 dB / 1 Watt / 1 Metre
Frequency response.....	40-20,000 Hz
Crossover frequencies.....	5,000 Hz
Material cabinet.....	14 mm H2
Material baffle.....	25 mm H2
Volume Internal/external.....	23,6 / 35,7 litre
Weight.....	9,2 kg
Dimensions.....	260 x 600 x 230 mm
Loudspeakers:.....	15 cm soft coated woofer
.....	2 cm soft dome tweeter
.....	15 cm soft coated woofer

FB 690

SPECIFICATIONS

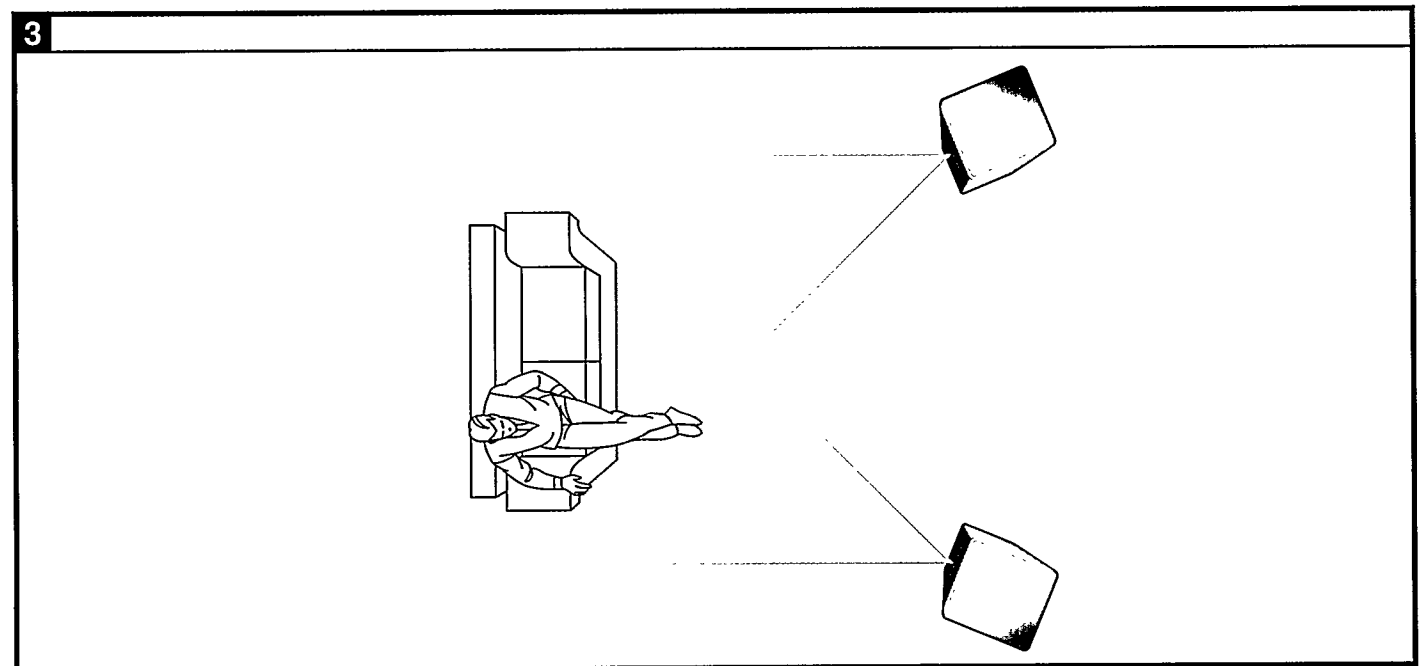
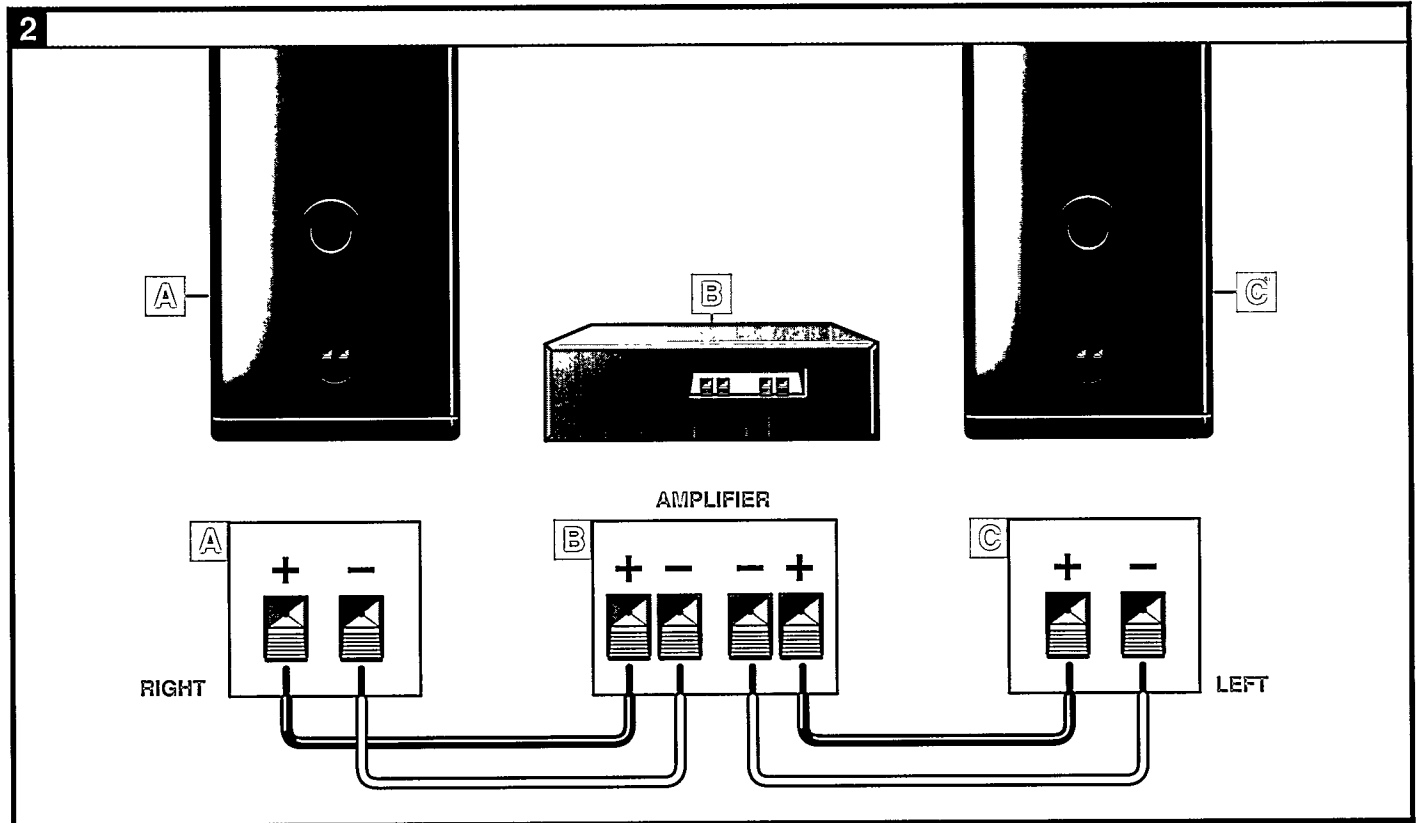
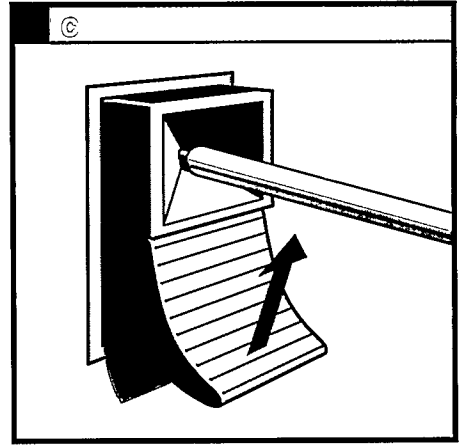
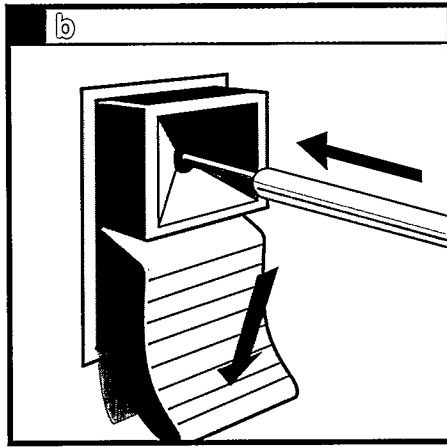
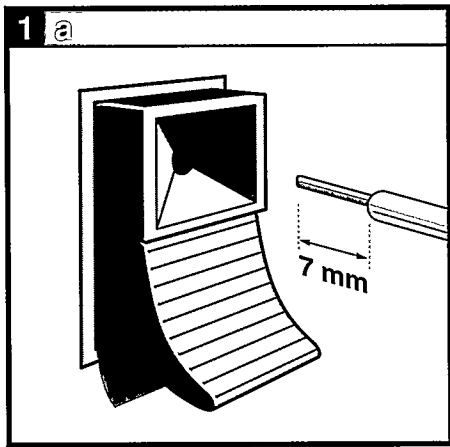
Power handling capacity - continuous.....	90 Watt
Power handling capacity - peak (max. 10 minutes).....	150 Watt
Impedance.....	6 Ohm
Sensitivity.....	88 dB / 1 Watt / 1 Metre
Frequency response.....	38-20,000 Hz
Crossover frequencies.....	1,500 / 4,500 Hz
Material cabinet.....	14 mm H2
Material baffle.....	25 mm H2
Volume Internal/external.....	33,6 / 46,1 litre
Weight.....	11,3 kg
Dimensions.....	285 x 650 x 250 mm
Loudspeakers:.....	18 cm soft coated woofer
.....	2 cm soft dome tweeter
.....	18 cm soft coated woofer

FB 695

SPECIFICATIONS

Power handling capacity - continuous.....	120 Watt
Power handling capacity - peak (max. 10 minutes).....	180 Watt
Impedance.....	6 Ohm
Sensitivity.....	90 dB / 1 Watt / 1 Metre
Frequency response.....	37-20,000 Hz
Crossover frequencies.....	1,500 / 4,000 Hz
Material cabinet.....	14 mm H2
Material baffle.....	25 mm H2
Volume Internal/external.....	52,9 / 68,4 litre
Weight.....	14 kg
Dimensions.....	285 x 730 x 330 mm
Loudspeakers:.....	20,5 cm soft coated woofer
.....	2 cm supersoft dome tweeter
.....	20,5 cm soft coated woofer







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