

Thank you ...

Thank you for buying the new Philips Active Subwoofer. We have designed and tested the subwoofer to provide you with the latest technology and high quality sound. Follow these instructions to adjust and operate all the functions of your new subwoofer. Please read and perform the instructions in the order shown.

General Information

This product complies with the radio interference requirements of the EU (European Union).

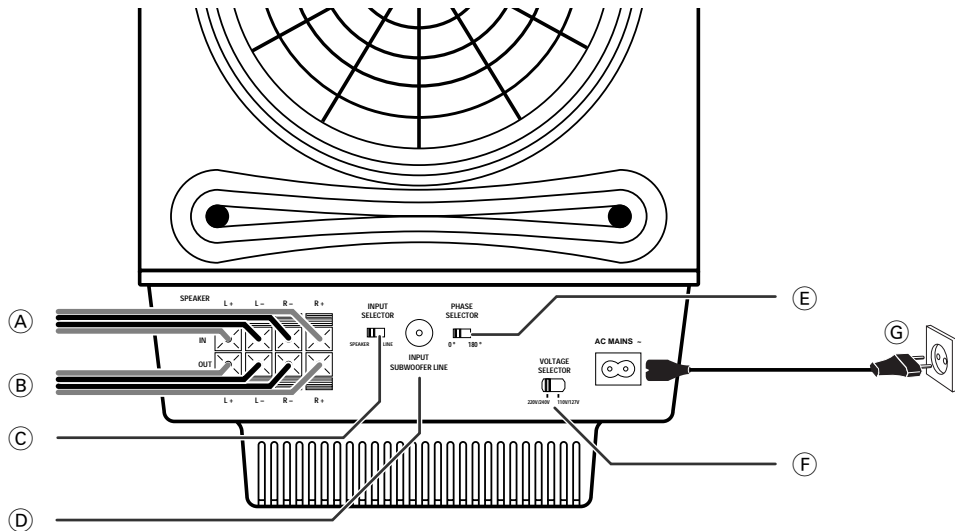
- The typeplate (which contains the serial number) is located at the rear of the subwoofer.
- 1 All unnecessary packaging material has been omitted. We have tried to make the packaging easy to separate into three mono-materials:
 - cardboard (box)
 - expandable polystyrene (buffer)
 - polythene (bags, protective foam sheet).
 - 2 Your subwoofer consists of materials which can be recycled and reused if disassembled by a specialized company. Please follow local regulations on recycling your old subwoofer.

Accessories (Supplied)

- AC power cord
- Speaker wires (1 pair)
- Subwoofer-In cinch cable

Safety Information

- Before switching on the subwoofer, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer. The type plate is located at the rear of the subwoofer.
- When the subwoofer is switched on, do not move it around.
- When switching on or off an amplifier or other equipment, lower the volume of the amplifier to minimum to avoid damaging the subwoofer.
- Be careful when setting the volume control of your audio amplifier to avoid an excessive output power.
- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system.
- Do not expose the system to excessive moisture, rain, sand or heat sources.
- Clean the cabinet with a soft cloth lightly moistened with water. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.
- Under no circumstances should you repair the unit yourself, as this will invalidate the warranty.
- **To disconnect the system from the power supply completely, withdraw the AC power cord from the wall socket.**



A Speaker In

For connection to an amplifier speaker terminal.

B Speaker Out

This output is used when the amplifier has only a single set of speaker terminal. It is for connection to the front speakers.

C Input Selector

You can select the subwoofer input either by the Speaker IN terminals or the INPUT SUBWOOFER LINE cinch connection. Adjust the input selector accordingly.

D Input Subwoofer Line

This is a cinch connection, if your amplifier has a subwoofer out jack, connect it to the Input Subwoofer Line at the rear of this system.

E Phase Selector

This is to determine the best bass reproduction effect in certain listening environment.

F Adjusting the Operating Voltage

(not available for version /30)

Before connecting the AC power cord to a wall outlet, make sure that the voltage selector at the rear of the system is set to the local power line voltage. If not, reset the selector before connecting to the wall outlet.

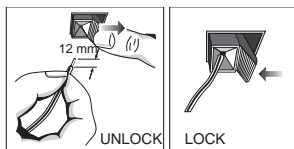
G AC Power Supply

After all other connections have been made, connect the AC power socket to the set and the AC power plug to the wall outlet.

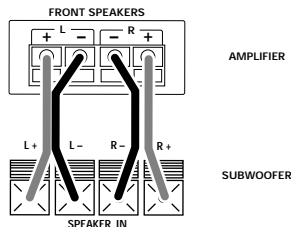
CONNECTING TO AN AMPLIFIER WITH A SINGLE SET OF SPEAKER TERMINALS

Connect the subwoofer to the amplifier, and then connect the front speakers to the subwoofer.

- Connect the right socket **R**, with the red wire to **+** and the black wire to **-**.
- Connect the left socket **L**, with the red wire to **+** and the black wire to **-**.
- Clip the stripped portion of the speaker wire as shown.

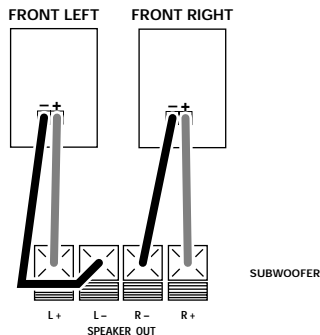


- 1 Connect the SPEAKER IN terminals of the Subwoofer to the amplifier speakers' output. If the speaker wires are

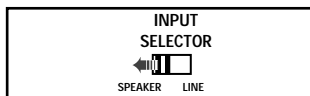


reversed, the sound will be distorted and will lack bass.

- 2 Connect the SPEAKER OUT terminals of the Subwoofer to the Front Left and Right speakers. If the speaker wires are reversed, the sound will be distorted and will lack bass.



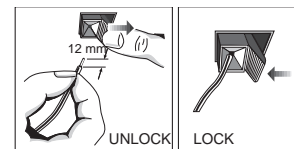
- 3 Set Source Selector switch to SPEAKER IN position.



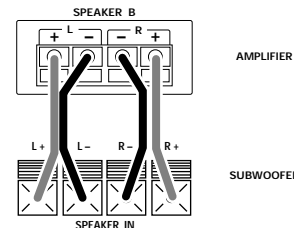
CONNECTING TO AN AMPLIFIER WITH TWO SETS OF SPEAKER TERMINALS (A + B)

Connect the subwoofer to the amplifier speaker terminal B, and then connect the front speakers to the amplifier speaker terminal A.

- Connect the right socket **R**, with the red wire to **+** and the black wire to **-**.
- Connect the left socket **L**, with the red wire to **+** and the black wire to **-**.
- Clip the stripped portion of the speaker wire as shown.



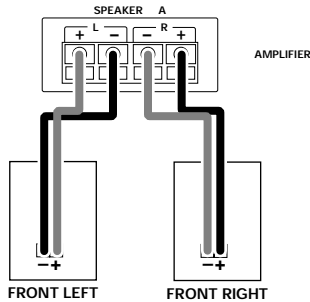
- 1 Connect the SPEAKER IN terminals of the Subwoofer to the amplifier speaker terminal B. If the speaker wires are reversed, the sound will be distorted and will lack bass.



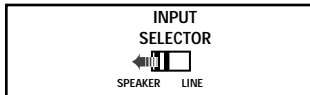
SPEAKERS' CONNECTION

English

- 2 Connect the Front Left and Right speakers to the amplifier speaker terminal A. If the speaker wires are reversed, the sound will be distorted and will lack bass.



- 3 Set Source Selector switch to SPEAKER IN position.



Note:

1. When using the double (A+B) sets of speakers, make sure that you select the "A+B" position with your amplifier.
2. When you are using speaker terminal (A) only (front speaker only) or when the power of the amplifier is turned off, turn down the volume or turn off the power of the subwoofer otherwise, hum noise may be heard.

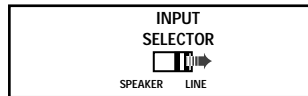
CONNECTING TO AN AMPLIFIER WITH SUBWOOFER CINCH OUT CONNECTOR

Connect the Input Subwoofer Line to the amplifier Subwoofer Out.

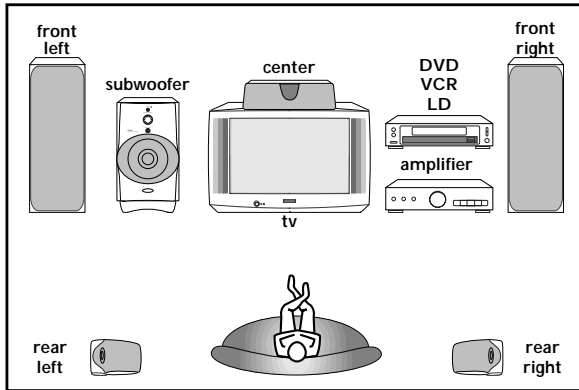
- 1 Used the supplied cinch cable, connect the INPUT SUBWOOFER LINE of the subwoofer to the amplifier SUBWOOFER OUT.



- 2 Set Source Selector switch to LINE INPUT position.



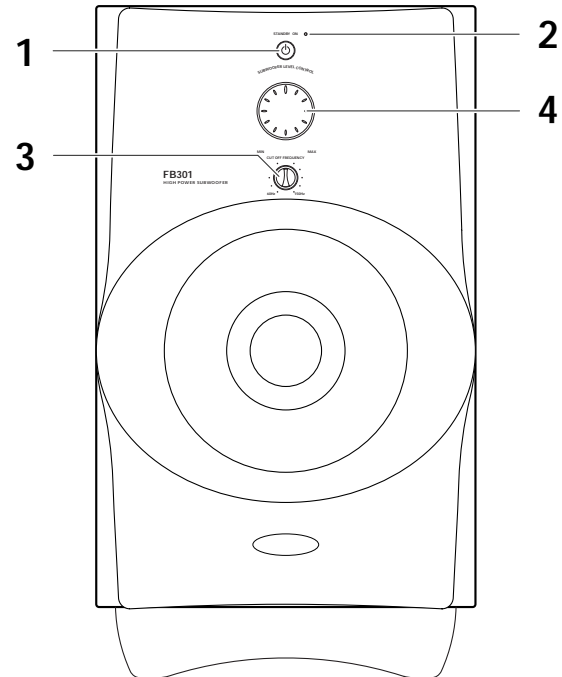
Setting up the Subwoofer



- Install the subwoofer wherever you like because with the bass sound range reproduced from the subwoofer (below 150Hz), human hearing cannot detect the direction and position in which the sound is being produced.
- Also, since the feeling of stereo is lost with bass frequencies, a single subwoofer is enough for reproducing the bass of stereo channels. However, you may install more than one subwoofer if your system has more than one subwoofer out jack.
- To obtain a better bass reproduction, we recommend that you install the subwoofer on a solid floor where resonance is unlikely to occur.
- Always place the subwoofer vertically, keeping a few centimeters from away the wall.
- Do not place an object on the subwoofer or sit on it.
- If the subwoofer is placed in the center of a room, the bass could be extremely weakened. This is due to the influence of the standing wave of the room. If this happened, move the subwoofer away from the center of a room or eliminate the cause of the standing wave, by installing a bookshelf on the wall, etc.

Front View

- ① : to switch the unit on or to standby mode.
- ② when LED is green, it indicates that the subwoofer is switched on and in active (operation) mode.
- ③ CUT OFF FREQUENCY : enables you to manually cut out frequency responses between 60 Hz and 150 Hz.
- ④ SUBWOOFER CONTROL LEVEL : to adjust the volume.



CONTROLS

Important:

Before you begin operating the subwoofer, complete the preparation procedures.

Switch on your audio amplifier and select the program source.

Switching the subwoofer ON

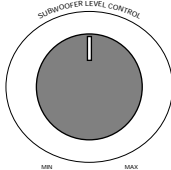
- 1 Press **STANDBY** .
→ The LED indicator lights up in green.

Switching the subwoofer to standby mode

- Press **STANDBY** again .

Volume Adjustment

You can adjust the subwoofer to suit the sound level of your front speakers. Reinforcing the bass sound gives you a greater sense of atmosphere.



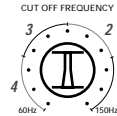
- 1 Adjust the **VOLUME** on the amplifier until the sound from front speakers is not distorted. If it is distorted, the sound from the subwoofer will also be distorted.
- 2 Play your favourite songs. Male vocal tunes containing bass sounds are most suitable for adjustment.
- 3 Adjust the **SUBWOOFER LEVEL CONTROL** to determine the loudness of the bass sound from the subwoofer.

Cut Off Frequency Adjustment

Turn the **CUT OFF FREQUENCY** control, to determine which bass frequency is the best match with the type of music playback from your audio system. e.g. classic or jazz music.

Refer to the following when adjusting.

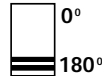
- Typical very small sized speakers ... **1**
- Typical small sized speakers **2**
- Typical medium sized speakers **3**
- Typical large sized speakers **4**



Phase Polarity Adjustment

Use **PHASE SELECTOR** located at the rear of the subwoofer to select the phase polarity. Selecting the polarity at either 0° or 180° may determine better bass reproduction effect in certain listening environments (depending on the type of front speakers, the position of the subwoofer and the adjustment of the cut-off frequency). It may also change the expense and tightness of sound, and affect the feeling of sound field. Select the setting that provides the sound you prefer when listening in your normal listening position.

PHASE SELECTOR



Repeat the adjustment for Volume, Cut Off Frequency, Phase Polarity and Channel Selector to suit your preference. Once you have adjusted the subwoofer to the settings you desire, use the **VOLUME** control on the amplifier to adjust the volume of the subwoofer and the other speakers. You do not need to adjust the subwoofer settings again even when you change the volume level of the amplifier.

Note

Never set the amplifier's tone control (**BASS**, **TREBLE**, **DBB**, **DSC**) or the equalizer output to a high level or input soundwaves of 20Hz to 50Hz recorded on a commercially - available test disk or electronic musical instrument, pop noise of analog disc turnable, sound with abnormally enhanced bass, etc.) in a high level to this unit. These actions may cause damage to the speakers. When a special disc containing abnormally enhanced bass is played, noise may be output in addition to the original sound. In such a case, reduce the sound level.

Specifications

System

Type	Active Subwoofer (non magnetically shielded design)
Speaker unit	Subwoofer: 8 inches, cone type
Output Power	100W (8 ohms, DIN)
THD	< 1%
Reproduction frequency range	35Hz - 150Hz
Cross-over cut-off frequency	60Hz - 150Hz
Phase switch	0°, 180°
Input sensitivity (Subwoofer In)	300 mVrms

Inputs

SUBWOOFER IN	Input pin jack
SPEAKER IN	Input terminals

Output

SPEAKER OUT	Output terminals
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General

Power requirements	110 - 127V/220 - 240V AC, 60/50Hz
Power consumption	70W (at 1/8 Rated Power)
Dimensions (w / h / d)	Approx. 265 x 470 x 470mm
Weight	11kg

Design and specifications are subject to change without notice.

Warning! Under no circumstances should you try to repair the set yourself, as this will invalidate the warranty.

- If a fault occurs, check the points listed below before taking the set for repair.
- Should any problems persist after you have made these checks, consult your nearest dealer or service center.

There's no sound.

- Check that this subwoofer and components are connected correctly and securely.
- Rotate LEVEL clockwise to turn the volume up.

The sound has suddenly stopped.

- The speaker cords may have short-circuited.
- Connect the cords properly.

The sound is distorted.

- If the input signal is imperfect or distorted.
- If the input signal level is too high.
- If you turn in the bass reinforcement, eg. DBB, DSC, Incredible Sound or graphic equalizer from your audio amplifier. Turn off these reinforcement or adjust the volume of your audio amplifier or adjust the subwoofer level control and frequency cut level.

In case color irregularity is observed on the nearby TV screen

With the magnetically shielded type of the speaker system, the speakers can be installed near a TV set. However, color irregular may still be observed on the TV screen depending on the type of your TV set.. If color irregularity is observed:

- Turn off the TV set once, then turn it on after 15 to 30 minutes.

If color irregularity is observed again....

- Place the speakers further apart from the TV set.

When howling occurs

- Relocate the speaker or turn down the volume of the amplifier.

Before switching off the subwoofer, reduce the bass level control or switch off the amplifier.