

SP 100



PHILIPS

Contents

General Information

Supplied accessories.....	2
Safety instruction.....	2
Care and safety information.....	2

Safety Instructions

Warnings	3
----------------	---

Connections

Step 1: Setting up the speakers.....	4
Step 2: Placing the speakers and subwoofer.....	4
Step 3: Connecting speakers and subwoofer.....	5
Step 4: Instructions for system connection.....	5
Step 5: Connecting FM/MW antennas.....	6
Step 6: Connecting to the Mains.....	6

Remote Control.....	7
---------------------	---

Functional Overview	8
---------------------------	---

Getting Started

Step 1: Inserting batteries into the.....	9
Step 2. Operation sequence.....	9
Step 3. Switching to standby mode.....	9

Troubleshooting.....	10
----------------------	----

Specifications.....	11
---------------------	----

General Information

Supplied accessories

2RCA to 2RCA
(03 nos.)



FM T-antenna



MW loop antenna



Remote control and
two batteries



Care and safety information

Avoid high temperatures, moisture, water and dust

- Apparatus should not be exposed to dripping or splashing of liquid.
- Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).
- Do not install near heat sources.

Do not block any ventilation openings

- Place the apparatus in a location with adequate ventilation to prevent internal heat build up. Allow at least 100cm (4 inches) of free space all around the apparatus for adequate ventilation.
- At high volume the back plate becomes hot. Do not touch it.

Safety Instructions

Please read carefully the Safety Mark on the left side



This mark is intended to alert the users from the non isolated dangerous voltage within the product that may be of sufficient magnitude to constitute a risk of electronic shock to persons



This mark is intended to alert the user for important operating and servicing instruction

Finding a suitable location

- Place the Subwoofer with built-in Multimedia Amplifier on a flat, hard, stable surface.
- Do not position the Multimedia Amplifier on top of other equipment that might heat it up (e.g. DVD player).
- Do not place heavy objects on the product.

Care of the cabinet

- Use a soft cloth slightly moistened with a mild detergent solution to clean the cabinet. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Safety Instructions

Warnings:

- * Avoid sustained periods on high-volume use, and do not turn the volume to maximum level while using high output signal, such as VCD or DVD, etc., as this will cause distortion and may damage the loudspeaker cones.
- * Please unplug the system from the AC outlet when unused for a long time
- * Do not open the cover or back panel to avoid electronic shock or any other accidents. No user-serviceable parts are inside.
- * Only for indoor use.
- * Plug the system to the AC outlet with the right voltage marked on the back panel of the multi media amplifier.
- * For wall mounted speakers, make sure the speakers are firmly fixed to avoid any damage to equipment or injury to personnel.
- * The back plate of the amplifier becomes hot when playing at high volume levels. Avoid touching the back plate.

Connections

Step 1: Set up the speakers



You can choose to hang the speakers on the wall with the provision given behind the speaker. Fix a screw (not supplied) on the wall where the speaker is to be hung and hook the speaker securely onto the mounted screw.

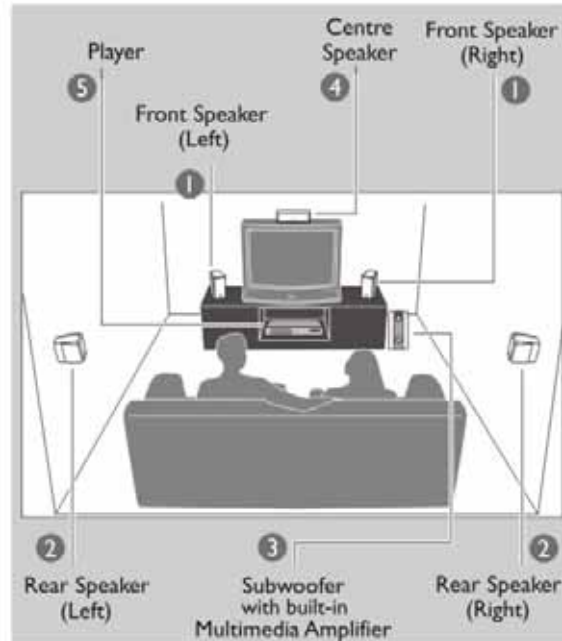
CAUTION!

You should get a qualified person to attach the speakers to the wall. DO NOT do it by yourself to avoid unexpected damage to the equipment or injury to personnel.

Helpful Hints:

- The rear speakers are labelled as REAR L (left) or REAR R (right).
- The front speakers are labelled as FRONT L (left) or FRONT R (right).

Step 2: Placing the speakers and subwoofer



For best possible surround sound, all the speakers (except subwoofer) should be placed at the same distance from the listening position.

Place the front left and right speakers at equal distances from the TV and at an angle of approximately 45 degrees (horizontal) from the listening position.

Place the centre speaker above the TV so that the centre channel's sound is localised.

Place the rear speakers at normal listening ear level facing each other or mounted on the wall.

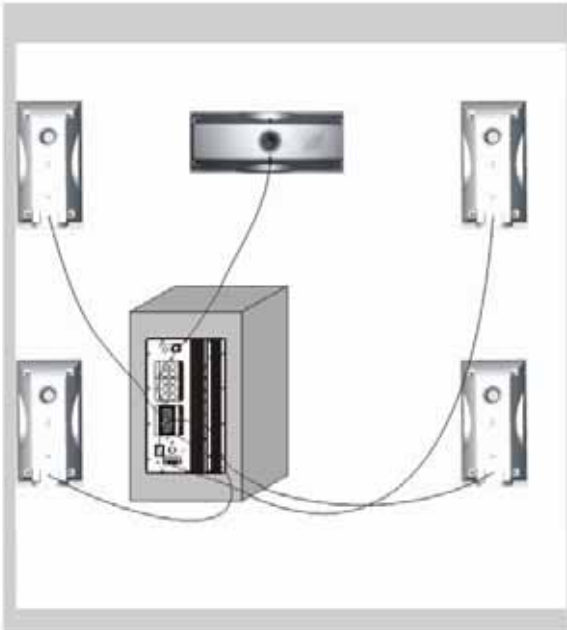
Place the subwoofer on the floor near the TV.

Helpful Hints:

- To avoid magnetic interference, do not position the front speakers, subwoofer and rear speakers too close to your TV.
- Allow adequate ventilation around the Multimedia Amplifier.

Connections

Step 3: Connecting speakers and subwoofer



Connect the supplied speaker system by matching the colours of the sleeves on the speaker-wires with the output sockets of the amplifier.

Speakers / Subwoofer	○
FRONT LEFT (FL)	white
FRONT RIGHT (FR)	red
FRONT CENTER (FC)	green
REAR LEFT (RL)	blue
REAR RIGHT (RR)	gray

Helpful Hints:

- Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.
- Do not connect more than one speaker to any one pair of +/- clips
- Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

Step 4: Instructions for system connection

1. Connect the Front Left/Right, Center, Surround Left/Right speaker cables to the appropriate Audio Output Sockets of the amplifier on the back of the Subwoofer
2. Connect one end of the 2RCA-to-2RCA cords provided to the amplifier input sockets on the back side of the subwoofer enclosure. Connect the other end to the corresponding output sockets on the back side of the DVD player
3. Connect the FM Antenna to the 75Ohm round-shaped Antenna socket and rectangular MW Antenna to the cable clip.
4. Make sure all the cables are connected correctly.
5. Make the power plug connection to the correct AC outlet

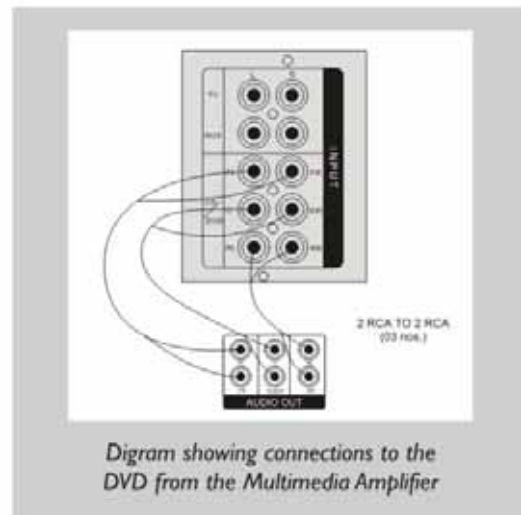


Diagram showing connections to the DVD from the Multimedia Amplifier

Connections

System Positioning :

- * The Center speaker of the system is magnetically shielded which could be positioned close to your PC monitor or TV.
- * The Front and Rear Speakers as well as the Subwoofer are not magnetically shielded. Do not place them closer to the PC monitor or TV.
- * The subwoofer is recommended to be put on the floor to get a better acoustic effect and at least 2 meter away from the monitor or TV to avoid magnetic interference.
- * The satellite speakers and the subwoofer should be positioned firmly to avoid resonance.

Step 5: Connecting FM/MW antennas

Connect the supplied MW loop antenna to the **MW** jack. Place the MW loop antenna on a shelf or attach it to a stand or wall.

Connect the supplied FM antenna to the **FM** jack. Extend the FM antenna and fix its ends to the wall.

For better FM stereo reception, connect an external FM antenna (not supplied).

Helpful Hints:

- *Adjust the position of the antennas for optimal reception.*
- *Position the antennas as far as possible from your TV, VCR or other radiation source to prevent unwanted interference.*

Step 6: Connecting to the mains

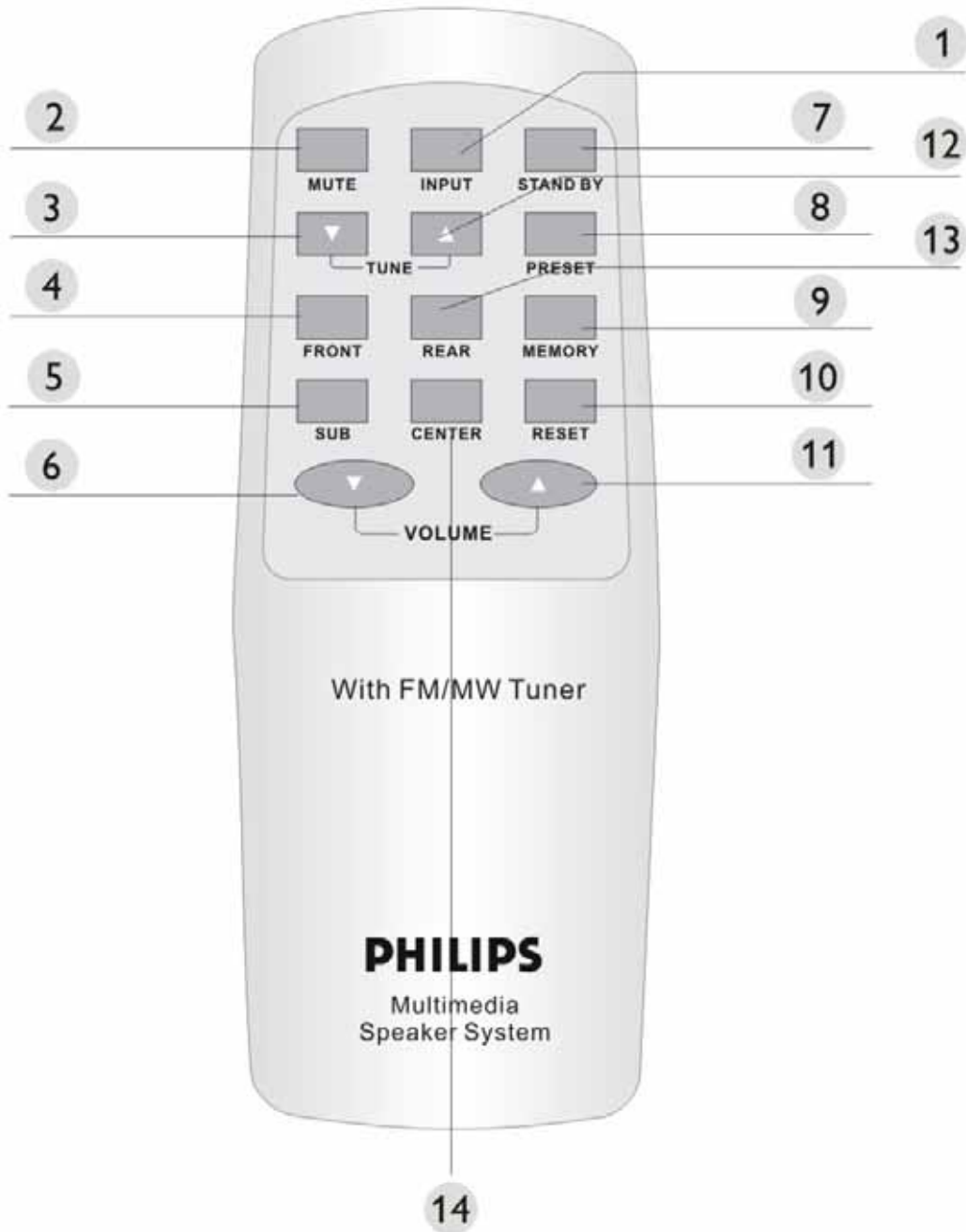
After completing all connections properly, plug the AC power cord into the mains socket.

Never make or change any connections with the power switched on.

Helpful Hint:

- *Refer to the back plate on the rear of the subwoofer for identification and supply ratings.*

Remote Control



Control buttons available on the remote

- 1. INPUT:**

To select between the input sources i.e. DVD / CD / TV / AUX.
- 2. MUTE:**

To put the set in Mute Mode. The settings (individual channel levels and volume level) will remain unchanged. The output will be zero (no sound). The display will indicate Mute mode.
- 3. TUNE DOWN:**

To tune to a station which is below (smaller frequency) than the station being played currently.
- 4. FRONT:**

To select the Front Speakers. The output level can then be adjusted using the Volume (up / down) keys.
- 5. SUB:**

To select the Subwoofer. The output level can then be adjusted using the Volume (up / down) keys.
- 6. VOLUME DOWN:**

To decrease the overall Volume of the system. This can also be used to adjust the level of the individual channel after selecting the particular channel;
- 7. STANDBY:**

To put the set in Standby mode. The system goes in reset mode (channel levels at "00" and volume at "15"). The display-backlight turns off. Two horizontal lines (Volume level) are displayed.
- 8. PRESET:**

To play a radio (FM / MW) station which is stored in the memory. This function would work only when the set is in radio mode.
- 9. MEMORY:**

To store a particular (currently playing) radio (FM / MW) station into the memory. There are total 30 memory locations available (60 for FM & 30 for MW). The stations are stored sequentially. If a new station is stored when all the memory locations are occupied, the earlier station would be replaced by the new one.
- 10. RESET:**

To reset the system. This will set the levels of individual channels at "00" and volume level at "15".
- 11. VOLUME UP:**

To increase the overall Volume of the system.
- 12. TUNE UP:**

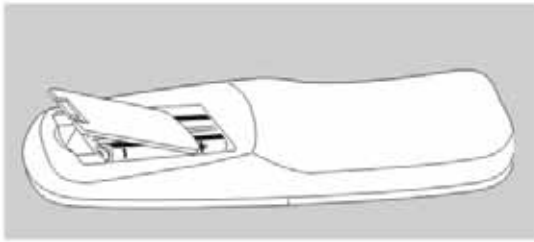
To tune to a station which is above (higher frequency) than the station being played currently.
- 13. REAR:**

To select the Rear Speakers. The output level can then be adjusted using the Volume (up / down) keys.
- 14. CENTER:**

To select the Center Speaker. The output level can then be adjusted using the Volume (up / down) keys.

Getting Started

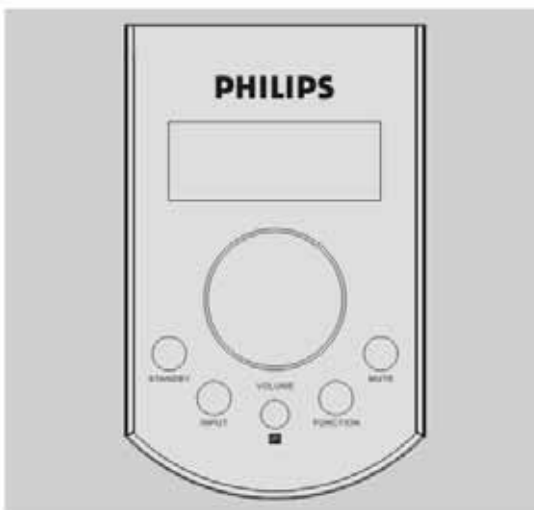
Step 1: Inserting batteries into the remote control



Open the battery compartment. Insert two batteries of type AAA, following the indications (+,-) inside the compartment. Close the cover.

CAUTION!

- Remove batteries if they are exhausted or if the remote is not to be used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed off properly.



Step 2: Operation sequence

1. Push power switch to "ON" position & turn "MASTER VOLUME" to switch the set to active mode.
2. The LCD indicates DVD (top left corner) and the default volume level (15).
3. Change the input mode of the amplifier using the INPUT SELECT key. Every press of the key will change the input mode in the following sequence : DVD, CD,AUX,TV, FM and AM.
4. Turn the MASTER VOLUME control to adjust the volume level (00 to 30).Volume can also be controlled from the remote control.
5. Use the equalizers provided to adjust the level of the individual channels, that is, FRONT, REAR, CENTER and SUBWOOFER. Select the channel using the FUNCTION key on the front panel and adjust the level (-05 to +05) using the Volume control.The levels can also be adjusted using the remote control.

Step 3: Switching to standby mode

Press **STANDBY** Button

The system will go into standby mode. The display-backlight turns off. Two horizontal lines (Volume level) are displayed.

Troubleshooting

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock. If a fault occurs, first check the points listed below before taking the system for repair.

If you are unable to remedy the problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
No power.	<ul style="list-style-type: none">– Check if the AC power cord is properly inserted into the AC mains socket.
No sound or distorted sound.	<ul style="list-style-type: none">– Adjust the volume.– Check the speaker connections and settings.– Press the correct source button on the DVD remote (TV or AUX, for example) to choose the equipment that you want to hear through the Multimedia System.
There is no sound from the centre rear	<ul style="list-style-type: none">– Select CENTER/ REAR satellite by pressing the channel button and adjust the volume level.– Make sure the centre and rear speakers are connected correctly.– Make sure the source you are playing is recorded or broadcast in surround sound (DTS, Dolby Digital, etc.).– Make sure that the multimedia amplifier is not in 2.1 mode by using mode button on the remote control.
Radio reception is poor.	<ul style="list-style-type: none">– If the signal is too weak, adjust the antenna or connect an external antenna for better reception.– Increase the distance between the system and your TV or VCR.– Tune in to the correct frequency.– Place the antenna farther away from any equipment that may be causing the noise.
The remote control does not function properly.	<ul style="list-style-type: none">– Reduce the distance between the remote control and the system.– Replace the batteries with new ones.– Point the remote control directly toward the IR sensor (located on front panel of the Subwoofer).– Check that the batteries are loaded correctly.
Low hum or buzz sound.	<ul style="list-style-type: none">– Place the product as far away as possible from electrical devices that may be causing interference.

Specifications

MULTIMEDIA AMPLIFIER (BUILT INTO THE SUBWOOFER ENCLOSURE)

* Power Output:	(subwoofer) 40W RMS (Satellite) 12W x 5 RMS
* Sensitivity Input:	TV — 900mV AUX— 1100mV 5.1 — 85mV(Subwoofer) 350mV(sensitivity)
* Total harmonic Distortion:	< 0.3% at 1W 1KHz
* Separation:	More than 40dB
* Audio Input Socket:	RCA type (cinch)
* Audio Output Socket:	type (cinch)
* AM:	Frequency range 522 KHz 1611KHz
* FM:	frequency range 87.0MHz 108.0 MHz
* Power consumption at rated power:	77 W

FRONT SPEAKERS

System:	1 way, vented box system
Impedance:	4 Ohms
Speaker Drivers:	76mm Full Range
Frequency Response:	90Hz - 20KHz
Dimensions (w x h x d):	180mm x 95mm x 58mm
Weight:	0.48 Kg

REAR SPEAKERS

System:	1 way, vented box system
Impedance:	4 Ohms
Speaker Drivers:	76mm Full Range
Frequency Response:	90Hz - 20KHz
Dimensions (w x h x d):	180mm x 95mm x 58mm
Weight:	0.54 Kg

CENTRE SPEAKER

System:	1 way, vented box system
Impedance:	4 Ohms (8 Ohm 8Ohm)
Speaker Drivers:	76mm Full Range x 2
Frequency Response:	90Hz - 20KHz
Dimensions (w x h x d):	250mm x 95mm x 58mm
Weight:	0.89 Kg

SUBWOOFER (WITH BUILT-IN MULTIMEDIA AMPLIFIER)

System:	Vented Enclosure
Impedance:	8 Ohms
Speaker Drivers:	200mm Woofer
Frequency Response:	90Hz - 7KHz
Dimensions (w x h x d):	200mm x 350mm x 380mm
Weight:	7.4 Kg

Specification subject to change without prior notice.