

microlab

just listen



X2
User Manual

MULTIMEDIA SPEAKER SYSTEM

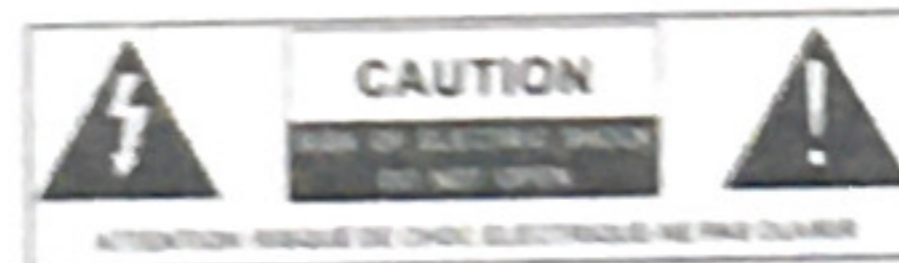
Prior to initial use, please read the manual carefully

Important Safety Instructions

1. Read these instructions – All the safety and operating instructions should be read before this product is operated.
2. Keep these instructions – The safety and operating instructions should be retained for future reference.
3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions – All operating and use instructions should be followed.
5. Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



11. Unplug the apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
14. **CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
15. **WARNING:** The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.



16. This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock. **Warning:** To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.
17. **Correct Disposal of this product.** This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.
18. No naked flame sources, such as lighted candles, should be placed on the apparatus.
19. **Replacement parts** - When replacement parts are required, ensure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
20. Try to install the product near a wall socket or extension cord and shall be easily accessible.
21. The highest environmental temperature suitable for this product is 0°C to 35°C for indoor use only.

Introduction

Powerful 2.1 subwoofer system with clear sound and effects. Built with quality speaker drivers for perfect match with most room types. Listen to high quality sound from carefully designed and tuned speaker drivers.

Subwoofer system with bass reflex port providing deeper bass effect. Tweeters in double stack design for clearer highs and less distortion.

Ideal for most multimedia tasks and modern music types. Connects easily to your smartphone, tablet, mp3/mp4, PC/notebook or CD/DVD player.

Easily access front panel with master volume, bass/treble sound effects, and sound balance controls.

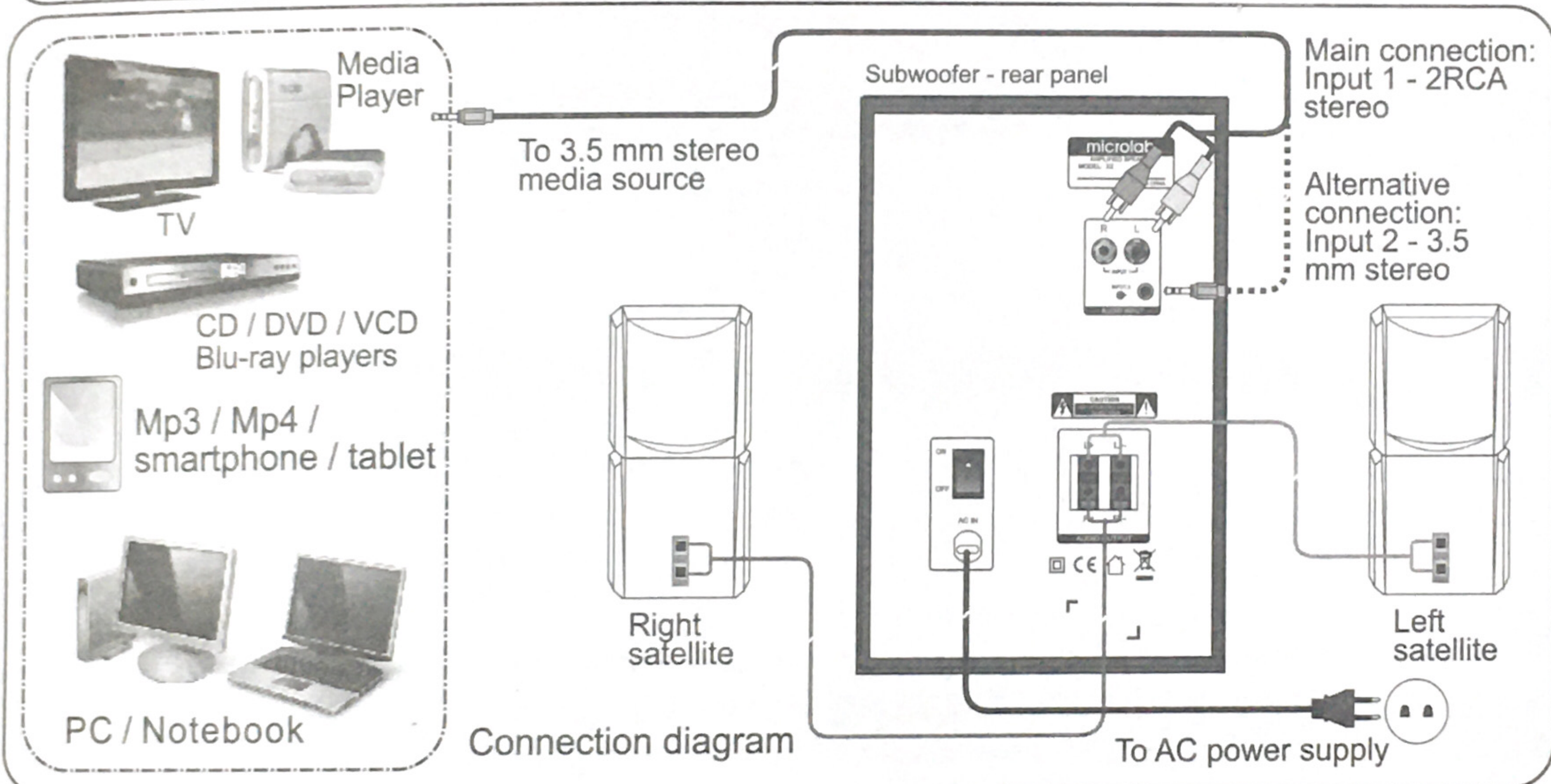
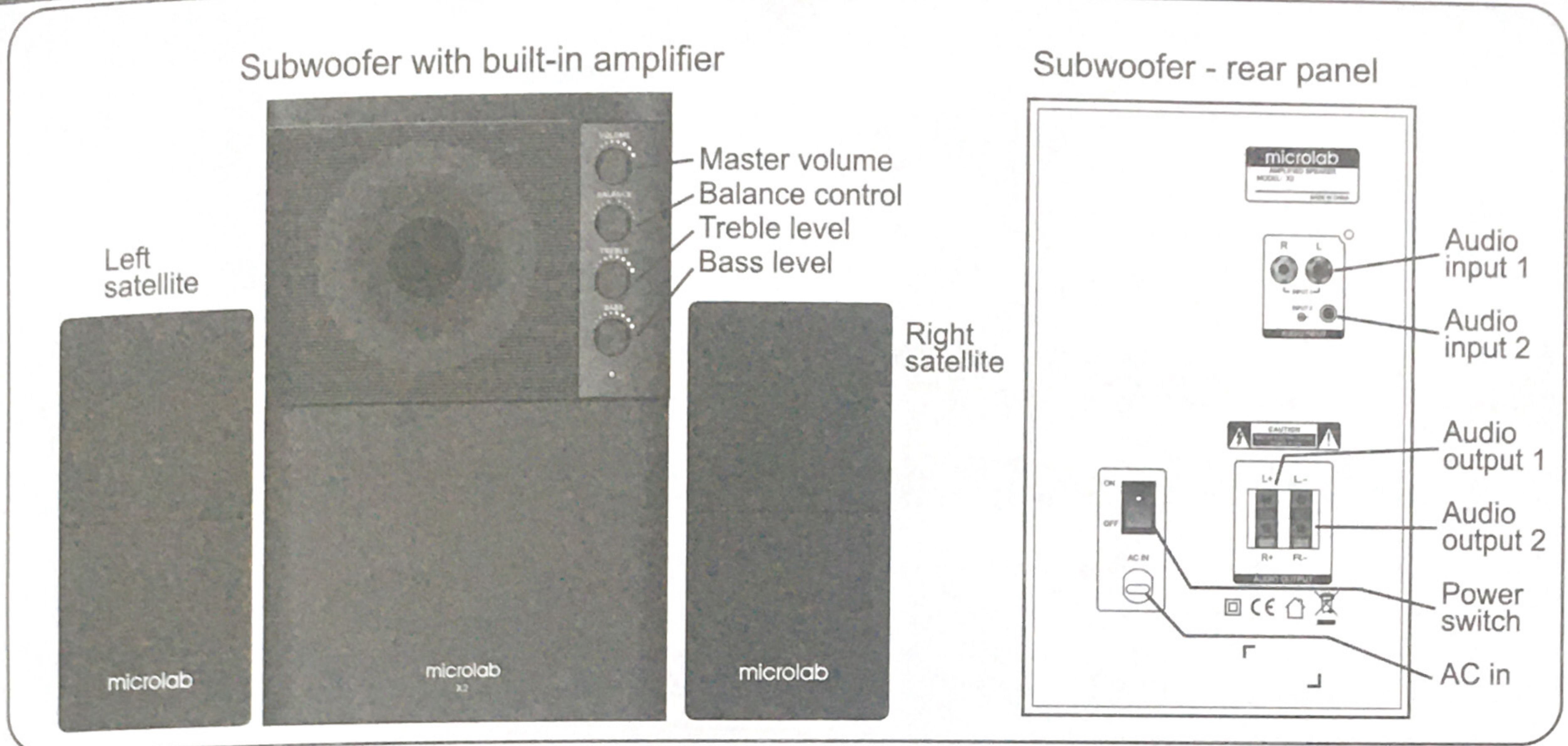
Features

- 2.1 subwoofer speaker system with excellence sound quality
- Powerful 2-way speaker system for clear sound spectrum
- Tweeters in stack design for clearer highs
- Crystal clear dynamic highs, balanced mid range and deep bass
- Bass reflex port built into subwoofer for deeper bass
- Ideal for high fidelity music, movies and digital media playbacks; connects to your smartphone or tablet
- Front panel controls with master volume, bass, treble, balance adjustments.

Package contents

You should find following items while unpacking:

- | | |
|----------------------|-------|
| • Satellites | 2 pcs |
| • Subwoofer | 1 pc |
| • 3.5mm-3.5mm stereo | 1 pc |
| • User manual | 1 pc |



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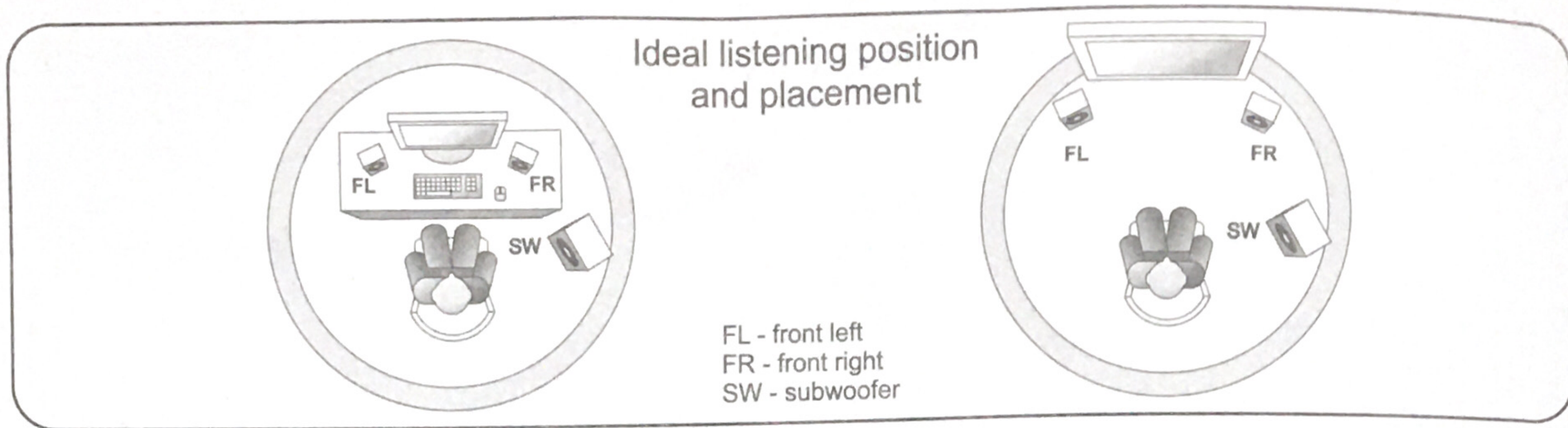
Connections

Prior to connecting the speakers, ensure the AC power plug is unplugged from the AC source. Secondly ensure the volume knob is set to minimum.

1. Connect the satellites to the left and right RCA outputs at the rear panel of the subwoofer.
2. Place both speakers on extreme sides forward of the listening position.
3. Place the subwoofer on the floor and with its back near the wall for more bass.
4. Next, connect the playback source to the 2 RCA stereo audio input jacks. Playback source can be from Mp3/Mp4, CD/DVD player, TV or PC.
5. Included is a second 3.5 mm stereo input jack for your optional connection. For optimum sound performance, always connect to a single set of inputs to avoid sound distortion.
6. Last, connect the AC power cord to the AC power supply. Please ensure the AC power ratings printed on the rear panel match with your country's AC power ratings. Using unmatched ratings can damage the speaker system.

Operations

1. Set the master volume level to the minimum.
2. Turn on the main AC power and switch on the speaker system from the rear power switch.
3. Start the media player and its music playback.
4. Adjust the volume on the media player, and speaker master volume to your preferred listening level.
5. For personal sound effects, you can adjust the treble, bass volume levels and balance control in the front panel.
6. Note: it is advisable not to turn the volume too loud or to its extreme volume limit to avoid damage to the speaker driver material and impair your hearing. Always adjust in slow increment.



Technical Specifications

Amplifier

Output power, RMS	46 Watt RMS
Power distribution, Watt	13 Watt x 2 + 20 Watt
Harmonic distortion	< 0.3% 1 W 1 kHz
Frequency response	35 Hz - 20 kHz
Signal/Noise ratio, dB	> 60 dB
Separation, dB	> 40 dB

Speakers

Tweeter driver type	2.5" x 2
Tweeter rated power	15 Watt x 2
Woofer driver type	5.25"
Woofer rated power	25 Watt

Interfaces

Output	Terminal post
Input	2RCA
Auxilliary	3.5 mm stereo

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Frequently Asked Questions

Questions	Solutions
Power LED won't light up	Check if the system is powered on Check the power plug is well connected
No Sound	Check if the audio source is working well Check if the audio and speaker cables well connected Check if the volume is at right level
One or more satellite no sound	Check if the satellite cable well connected, and ensure source connection is correctly inserted
Static sound heard when volume knob is turned	Turn off the playback source first, then turn the speaker volume knob several times. Playback again and monitor. The static noise is due to dust, so simply turning the volume will remove it easily.
What are the products supported?	Any playback devices such as smartphone, tablet, PC, notebook, CD/DVD player, media players with 2RCA or 3.5mm stereo plug.
Sound is distorted	Check if the source file is not corrupted, play a different song and test. Ensure music file is of 192 kbps bitrate or higher.
If the problem still exists, please contact the distributor or seek professional advice.	