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Art For The Ear



**X13
User Manual**

Microlab Technology Company Ltd.
Made in China

No:80-X13-97-0001-02

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Before using, please read the manual carefully

MULTIMEDIA SPEAKER SYSTEM

Important Safety Instructions



Caution:

To reduce the risk of electric shock, do not dismantle the apparatus and do not expose the apparatus to rain or moisture. No user-serviceable parts inside. Refer servicing to qualified personnel.

Explanation of Graphical Symbols:

 The lightning flash within an equilateral triangle is intended to alert you to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute an electric shock to persons.

 The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNINGS:

1. Read Instructions—All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions—The safety and operating instructions should be retained for future reference.
3. Heed warnings—All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow instructions—All operating and use instructions should be followed.
5. Installation—Install in accordance with the manufacture's instructions.
6. Power sources—This product should be operated only from the type of power source indicated by the marking adjacent to the power cord entry. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
7. Grounding or polarisation—the appliance is not required to be grounded. Ensure the plug is fully inserted into the wall outlet or extension cord receptacle to prevent blade or pin exposure. Some versions of the product are equipped with a power cord fitted with a polarized alternating line plug (a plug having one blade wide than the other). This plug will fit onto the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarised plug. When using an extension power-supply cord or a power-supply cord other than that supplied with the appliance, it should be fitted with the appropriate moulded-on plugs and carry safety approval appropriate to the country of use.
8. Power cord protection—Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the appliance.
9. Overloading—Do not overload wall outlets, extension cords or integral convenience receptacles, as this can result in a risk of fire or electric shock.
10. Ventilation—To ensure reliable operation of the product and to protect it from overheating, put the product in a position and location that will not interfere with its proper ventilation.
11. Heat—The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products)including amplifiers_ that produce heat. No naked flame sources, such as lighted candles, should be placed on the apparatus.
12. Wall or ceiling mounting—The product should be mounted to a wall or ceiling only as recommended by the manufacture.
13. Water and moisture—To reduce the risk of fire or electric shock, do not expose the product to rain, dripping, splashing or excessive moisture such as in a sauna or bathroom. Do not use this product near water—for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool and the like.
14. Object and Liquid Entry—Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. Do not place any object containing liquid on top of the product.
15. Cleaning—Unplug the product from the wall outlet before cleaning. The cabinet of the subwoofer may be cleaned by dusting with a dry cloth. If you wish to use an aerosol cleaning spray, do not spray directly on the cabinet; spray onto the cloth. Be careful not to disturb the drive units.
16. Attachments—Do not use attachments not recommended by the product manufactures, as they may cause hazards.
17. Accessories—Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
18. Moving the appliance—A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
19. Non-use periods—The power cord of the appliance should be unplugged from the outlet during lightning storms or when

Trouble Shooting

If you experience problems with your speaker, the following troubleshooting may help.

Troubles	Solution
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 are well connected
	Check if the volume is at right level
One or more satellite no sound	Check if the satellite cable is well connected
No Bass	Check if the Bass Volume is at right level
Sound is distorted	Check if the volume is at lower level
Remote control not working	Check if the battery is in the remote control
If the problem still exists, please contact the distributor or ask for professional service	

Technical Information

Features

6.5" subwoofer: 6.5" subwoofer unit made of dual Sr Magnet system blazes the trail in the use of costly low-Q value, long-stroke program design, having the low-frequency quality of quick and high resolution.

eAirbass: Departing from traditional bass technology, eAirbass creates no distortion when enhancing bass. With brandnew airflow passage design, it delivers clearer sound with an extended frequency range. The use of electronic control technology enables a precise bass signal selection for enhanced bass delivery and crystal clear high notes reproduction. Moreover the synchronous phase control technology guarantees accurate bass delivery, providing an effective solution for slow frequency response. With Microlab eAirbass, distortion-free, lifelike deep bass is possible.

Design for music: the ultimate aim of Microlab R&D system is to inherit and carry forward the European musical culture style. To do this, all designs must be music-oriented and sourced from music and art. Having Microlab, you can enjoy European musical taste.

Specification

*Amplifier specification:

AC IN	220V-240V~ 50Hz 450mA
Power output	40W+14Wx2 RMS
Frequency response	30Hz-20KHz
Sensitivity Input	PC 400mV
	AUX 400mV
Distortion	<0.3%(1W 1KHz)
Separation	>45 dB
S/N	>75 dB

*Driver unit: (Woofer Speaker)6.5"
(Satellite Speaker)2"x2(magnetically shielded)

*Audio input: 3.5mm stereo audio input jack(PC)
RCA jacks(AUX)

*Audio output: RCA jacks

*Product size(WxDxH): Woofer Speaker 220x285x310mm
Satellite Speakers 90x102x193mm

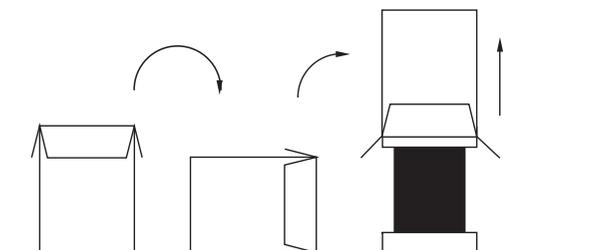
the apparatus is left unused for a long period of time.

20. Servicing—Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
21. Replacement parts—When replacement parts are required, be sure 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.
22. Mains fuses—For continued protection against fire hazard, use fuses only of the correct type and rating. The correct fuse specification for each voltage range is marked on the product.
23. Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speaker may be damaged when a peak level section is suddenly played.
24. The only means of completely disconnecting the product from the power supply is by removing the power cord from the wall outlet or the product. Either the wall outlet or the power cord entry to the product must remain freely accessible at all times while the apparatus is in use.

Unpacking the system

Unpacking:

- *Fold the carton flaps right back and invert the carton and contents.
- *Lift the carton clear of the contents.
- *Remove the inner packing from the product.
- ☺ We suggest you retain the packing for future use.

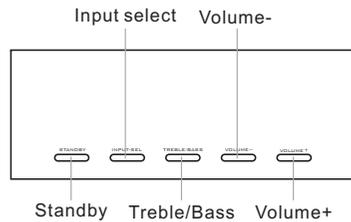
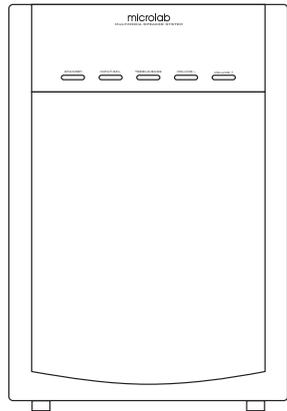


You should find following items while unpacking:

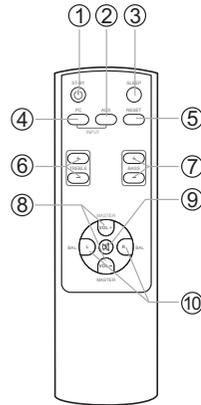
- Subwoofer 1pc
- Satellite speakers 2pcs
- Satellite stands(plastic) 2pcs
- Remote control 1pc
- Batteries 2pcs
- Audio cable(3.5mm-2RCA) 1pc
- User manual 1pc

Function Instruction

*Front View of the Subwoofer

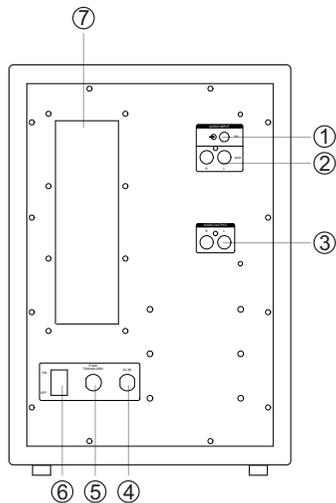


*Front View of Remote control



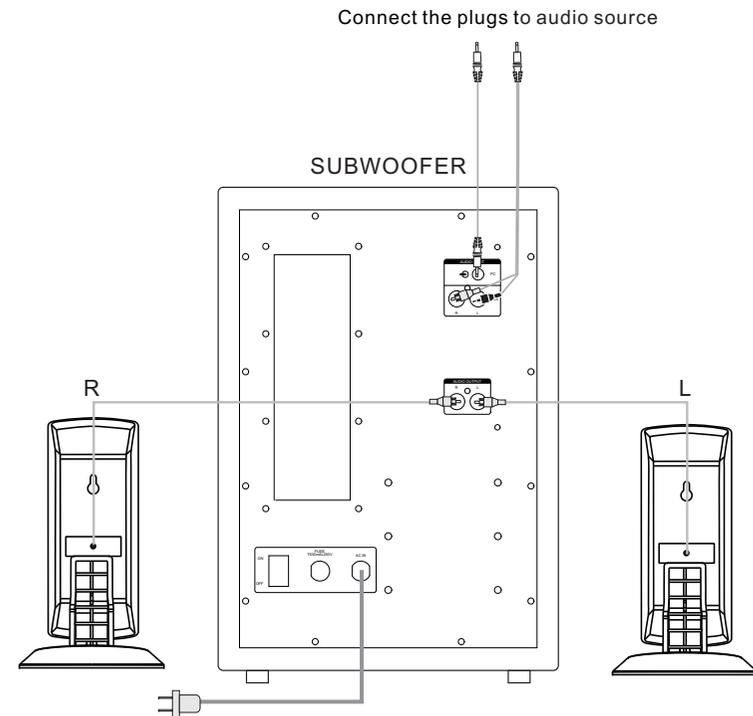
- 1.ST-BY:Standby
- 2.AUX: press to select AUX Input mode
- 3.SLEEP:press to activate the sleep timer function and the duration which the receiver turn off automatically
- 4.PC:press to select PC Input mode
- 5.Reset: press this key to make the system come back to the start situation
- 6.TREBLE+/-:press to adjust the treble volume level of all treble at the same time
- 7.BASS+/-:press to adjust the bass volume level
- 8.MASTER VOL +/-:press to adjust the volume level of all speakers at the same time
- 9.Mute: press to mute the sound
- 10.BAL R/L: press to adjust the balance of satellite speakers

*Back View of the Subwoofer



- 1.PC INPUT: 3.5mm stereo audio input jack
- 2.AUX INPUT: 2RCA input jacks
- 3.AUDIO OUTPUT: 2.1 channel (2 RCA) audio output jacks
- 4.POWER CORD
- 5.FUSE
- 6.POWER: Press the switch ON or OFF
- 7.Heat sink

System Connection



*Please note the correct placement of speaker is shown in the above picture.

*System Connection:

1. Connect the satellite speaker cables into the corresponding L & R audio output jacks on the back of the subwoofer, then put the left channel satellite speaker on the left and the right satellite on the right.
 2. Connecting the speakers to the audio source.
 - 1) please use the audio cable(3.5mm-2RCA). Connect RCA plugs of the audio cable into the L&R AUX input jacks on the back of the subwoofer, the other end into the output jack on the stereo audio source.
 - 2) please use the audio cable(3.5mm-2RCA). Connect 3.5mm stereo plug of the audio cable into the PC input jack on the back of the subwoofer, the other end into the L&R output jacks on the audio source.
 - 3) Please use the audio cable(3.5mm-3.5mm). Connect one end of the audio cable to the PC input jack on the back of the subwoofer, then the other end to the output jack on the stereo audio source, remarks: the audio cable(3.5mm-3.5mm) set is only for demonstration
 3. Check the connection and make sure every cable is correctly connected, then connect power plug to the right AC outlet. The shape of the plug and power outlet depends on the country of use.
- * Statement indicating that the socket-outlet shall be installed near the equipment and shall be easily accessible.
- * The highest environmental temperature suitable for this product is 40°C.