

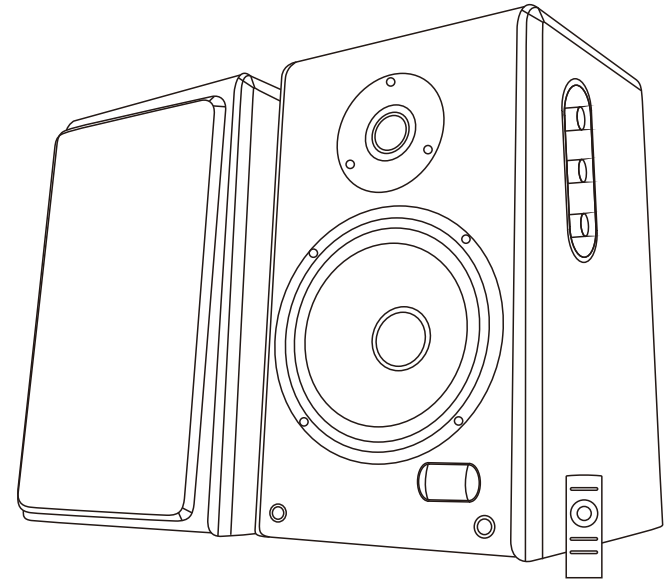
# microlab



microlab



[www.microlab-global.com](http://www.microlab-global.com)  
Microlab Electronics Co., Ltd  
Made in China



## Important Safety Instructions



### Caution:

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

### 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 a person or 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 product.

### WARNINGS:

1. **Read Instructions** - All the safety and operating instructions must be read before the product is operated.
2. **Retain Instructions** - The safety and operating instructions should be kept with the product for future reference.
3. **Heed warnings** - All warnings on the product and in the operating instructions should be adhered to.
4. **Follow instructions** - All operating and users' instructions should be followed.
5. **Installation** - Install in accordance with the manufacturers' 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 polarization** - the product 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 polarized plug. When using an extension power-supply cord or a power-supply cord other than that supplied with the product, it should be fitted with the appropriate molded 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, kinked or pinched by items placed on or against them, paying particular attention to cords from plugs, receptacles and the point where they exit from the appliance.
9. **Overloading** - Do not overload wall outlets, extension cords or multiple sockets, as this can result in a risk of fire or electric shock.
10. **Ventilation** - The product must be properly ventilated. Do not place the product on a bed, sofa, or other similar surface. Do not cover the product with any items such as tablecloths, newspapers, etc.
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. **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, or etc.
13. **Object and Liquid Entry** - Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-circuit 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.
14. **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 damage the drive units.
15. **Attachments** - Do not use attachments not recommended by the product manufacturers, as they may cause hazards.
16. **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 manufacturers' instructions and should use a mounting accessory recommended by the manufacturer.
17. **Moving the product** - 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.
18. **Unused periods** - The power cord of the appliance should be unplugged from the outlet during lightning storms or when the apparatus is left unused for a long period of time.

19. **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.
20. Please remove the power plug from the main power source or wall power source when not in use. When plugged in to a power source, the system is in standby mode, so the power is not entirely cut off.
21. **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.
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. The wall outlet or the power cord entry to the product must remain freely accessible at all times while the product is in use.
25. Try to install the product near a wall socket or extension cord and shall be easily accessible.
26. The highest environmental temperature suitable for this product is 40°C.

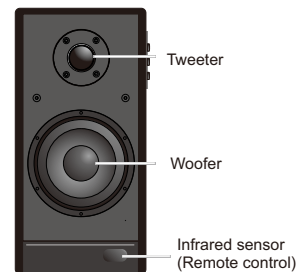
## Packing list

You should find the following items while unpacking:

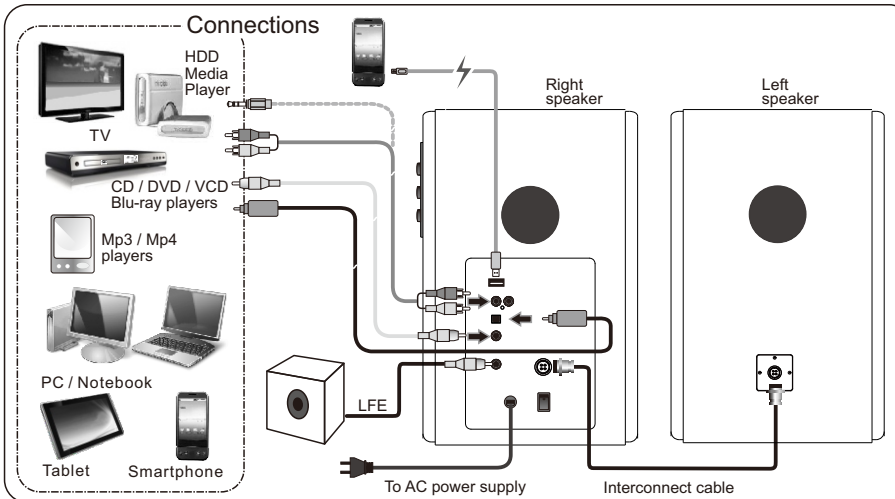
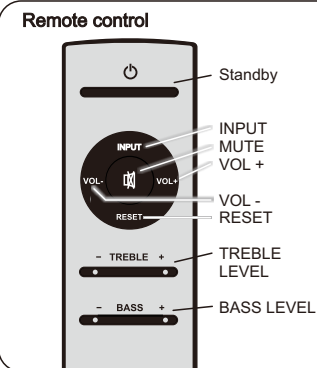
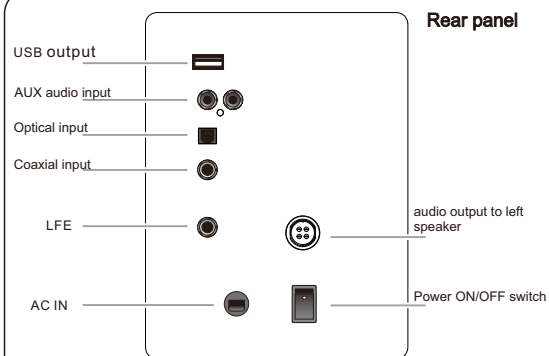
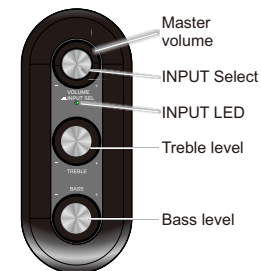
speakers	2 pcs
Remote control	1 pc
3.5 mm stereo - 2 RCA audio cable	1 pc
2RCA - 2RCA audio cable	1 pc
Optical SPDIF cable	1 pc
Coaxial cable	1 pc
Interconnect speaker cable	1 pc
User manual	1 pc

## Illustrations

### Main speaker (right)



### Side panel



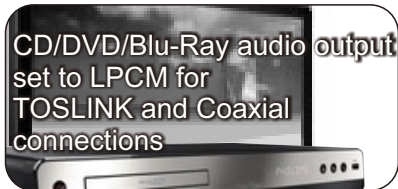
## Connections and Operations

- Figure illustrates 3.5mm to 2RCA connection. Turn on the power switch on the rear panel, default to AUX mode with "AU" showed on the LED screen. Connect the audio cable via "AUX" port and start the playback.
- BT MODE:** Under AUX mode, press volume knob to enter BT mode with a prompt tone and "bt" showed on LED screen. Connect the Bluetooth enabled device to the speaker and start the playback. Under non-Bluetooth mode, the device gets disconnected. After switching back to BT mode, the device will automatically get reconnected.
- COAXIAL MODE:** Under BT mode, press volume knob to enter COAXIAL mode with "CO" showed on LED screen. Connect the coaxial cable via "COAXIAL" port and start the playback.
- OP MODE:** Under COAXIAL mode, press volume knob to enter "OP" mode with "OP" showed on LED screen. Connect the optical cable via "OPTICAL" port and start the playback.
- LFE OUT:** Output interface for low frequency without amplifier function, it should be used with powered subwoofer.
- VOLUME CONTROL:** Located on right side of main speaker. Go clockwise to increase the volume and anticlockwise to decrease the volume. Digit on LED screen is in sync with volume adjustment, max at "60" and min at "0".
- TREBLE ADJUSTMENT:** Located below the volume knob. Go clockwise to increase the treble and anticlockwise to decrease the treble. Digit on LED screen is in sync with volume adjustment, max at "06" and min at "-6".
- BASS ADJUSTMENT:** Located below the treble knob. Go clockwise to increase the bass and anticlockwise to decrease the bass. Digit on LED screen is in sync with volume adjustment, max at "06" and min at "-6".
- AUTO STANDBY MODE:** Under Bluetooth mode or AUX mode, it automatically enters standby mode showing "--" on LED screen while no signals are received for 15 min. Then the Bluetooth enabled device gets disconnected. Once you press or rotate the "VOLUME"/"TREBLE"/"BASS" knob, re-enter the previous work mode before you enter standby mode. If that's Bluetooth mode, the speaker will automatically reconnect to the previous connected device. If the device is not found in 15 seconds, it turns into manual connection mode. In this way, you can connect to other Bluetooth enabled devices.
- BLUETOOTH DISCONNECTION OPERATION:** Under Bluetooth mode, long press VOLUME knob 5s to manually disconnect the Bluetooth enabled device. If you want to reconnect this device, it requires repairing to get connected.
- Bluetooth Wakeup(Under any mode):** While standby, using Bluetooth enabled device to search and connect the speaker, then it's reactivated and directly enter Bluetooth mode.

### Remote controller operation

- Standby:** Press Standby in any conditions, it enters standby mode with "--" showing on LED screen. Press once more to re-enter working mode.
- INPUT:** Input mode select.
- VOL-:** Volume down
- VOL+:** Volume up
- MUTE:** Press to enter MUTE mode, LED screen blinks with the volume amount.
- RESET:** Reset to ex-factory setting, back to "OP" mode, "30" at Volume, "00" at Treble, "00" at Bass.
- Treble+:** Treble adjustment
- Bass+:** Bass adjustment

Battery installation  
and  
replacement  
Type: CR 2025



## Technical Specification

### Amplifier

Output power, RMS	100 Watt RMS
Power distribution, Watt	20Watt x 2 + 30Watt x 2
Harmonic distortion	< 0.5% 1 W 1 kHz
Frequency response	20 Hz - 20 kHz
Signal/Noise ratio, dB	> 80 dB
Separation, dB	> 45 dB

### Speaker

Tweeter driver type	1"
Tweeter impedance	6 Ohm
Woofer driver type	5"
Woofer impedance	4 Ohm

## Frequently Asked Questions (FAQs)

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 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.	

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.