

microlab



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just listen



FC20
User Manual

www.microlab.cn
Microlab Electronics Co.,Ltd
Made in China

Technical Information

Amplifier	
Total Power:	40 Watt RMS
Power distribution:	10 Watt x 2 + 20 Watt
Harmonic distortion:	< 0.5 % 1 W 1 kHz
Frequency response:	50 Hz - 18 kHz
Signal/Noise ratio:	> 75 dB
Separation:	> 50 dB
Speakers	
Tweeter type:	2.5" x 2
Tweeter rated power:	15 Watt x 2 4 Ohm
Woofer type:	5"
Woofer rated power:	30 Watt 8 Ohm
Interfaces	
Output:	2RCAs
Input:	3.5mm stereo jack
Wireless:	RF remote control (Battery type: Alkaline AAA / 3 m radius)

Frequently Asked Questions (FAQ)

Questions	Answers
Wireless volume intermittent	Please ensure fresh batteries are inside the battery compartment of the remote control.
	Try to use it nearer to the subwoofer.
No Sound	Check if the audio source is properly paired and connected. Secondly check if the 3.5mm stereo plug is correctly inserted.
	Ensure volume is correctly adjusted
Intermittent sound	Check the 3.5 mm stereo cable for proper connection and cable is firmly inserted
What are the LED illumination meaning?	LED on the RF remote control indicates operating conditions.
What are the products supported?	Any playback devices such as PC, notebook with USB slot, CD/DVD player, Media Players with 3.5mm stereo plug.
Sound is distorted	Check if the volume is at lower level and the Mp3 format is recorded at above 196 bitrate
Where to place this speaker	It is magnetically shielded so can be placed near LCD TV Monitor without any distortion
If the problem still exists, please contact the distributor or ask for professional service	

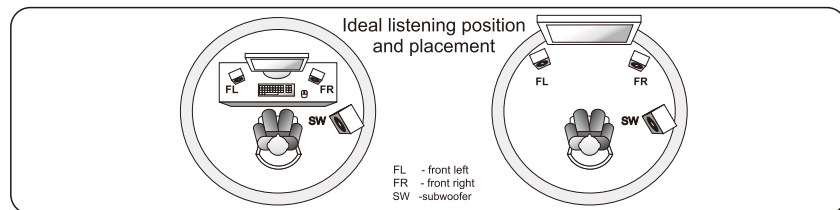
Connections

1. Connect the satellites to the left and right RCA outputs at the rear panel of the subwoofer.
2. Place both satellites on extreme sides of the listening position.
3. The subwoofer can be placed on the floor and near the playback device.
4. Connect the playback device to the rear 3.5 mm stereo input with the included signal cable.
5. The playback device such as CD/DVD, Mp3/Mp4 player or TV can be connected to the speaker system.
6. Last, connect the AC power adapter to the rear of the subwoofer and to the AC power supply source. Please ensure the AC power supply match the power requirement printed at the rear panel.
7. For the remote control, please ensure fresh battery is correctly loaded.

Operations

1. Ensure the master volume is at the lowest setting.
2. Turn on the main AC power and switch on the speaker system from the rear power switch.
3. Start the playback device and song.
4. Adjust the volume on the media player, and speaker master volume to your preferred listening level.
5. For remote control, simply point directly at the subwoofer and adjust the volume control. It is a wireless remote control using RF signals, therefore you can use it at 360° angle from the subwoofer. Please use within 3 m radius.
6. When the turntable is turned or depressed, the LED will illuminate in blue colour. Please turn the volume turntable slowly for level adjustments.
7. To mute, depress the volume turntable once (less than 1.5 seconds) to activate. To deactivate, depress again and it will return to volume mode.
8. For adjusting the bass, depress the volume turntable for more than 1.5 seconds. The LED will turn orange in colour indicating bass mode. Start turning the turntable to adjust the bass level. To return to volume mode again, depress for more than 1.5 seconds or after 5 seconds of non-activity.
9. If the remote control is left idle for 10 seconds, it will return to power-saving mode. If activated in power saving mode, it will return to the last function mode.

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. Do not block the ventilation of the subwoofer during use.




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 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 user instructions should be followed.
5. Installation - Install in accordance with the manufacturer'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 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 appliance, 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 product.
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 and the like.
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 manufactures, 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.

Introduction

Powerful high fidelity 2.1 subwoofer speaker system with DSP technology. Designed elegantly, this system fits ideally in your living room and even the studies. Using DSP technology lets you get precise sound from its original source by accurately converting analog to digital signal. Thus you get the best full range sound with minimum distortion.

Powerful subwoofer with built-in amplifier that gives you unprecedented vocal and depth in bass frequencies. The subwoofer designed with bass reflex tunnel for efficient woofer movements and complete low frequencies production.

Two powerful satellites with high quality tweeters and uncoloured acoustic production.

Wireless RF remote control with circular volume turntable knob for complete level controls. The remote control uses radio frequency for 360° all round use without signal being blocked.

Features

- Advanced DSP technology for high fidelity sound production
- Deep bass and vocals with subwoofer and bass reflex tunnel design
- Beautifully designed satellites, perfect for your living room or studies
- Analog to Digital sound processing with minimum distortion and maximum precision
- Powerful amplifier using state-of-the-art digital processing for dynamic power
- Wireless remote with RF technology for 360° all round use without line-of-sight limitations

Package contents

- | | |
|--------------------------|------|
| • FC20 subwoofer | 1pc |
| • FC20 satellites | 2pcs |
| • Power adapter | 1pc |
| • 3.5 mm - 3.5 mm stereo | 1pc |
| • RF remote control | 1pc |
| • User manual | 1pc |

Illustrations

