



PURERESONANCEAUDIO[®]

MC2.5B 2.5" SWIVELING CUBE SPEAKER

INSTALLATION AND OPERATION MANUAL



Caution: Please read this manual carefully before operating.
Damage caused by misuse is not covered by the warranty.

INTRODUCTION

DESCRIPTION

The Pure Resonance Audio MC2.5B dual 2.5 inch swiveling cube speakers deliver large sound from a small package. Pure Resonance Audio Mini-Cubes can be used for many applications such as satellites, small stereo speakers, surround sound and whole house audio. They are well suited for both home theater and music applications. They're also a great small speaker solution for audio installations in bars, cafes, restaurants, boardrooms and reception areas as well as offices or retail stores and hospitality applications where space is limited. Anywhere premium audio performance is required to fit within stylish interior design, the dual driver design ensures that this speaker delivers an exceptionally detailed and open sound stage for unrivaled intelligibility.

FEATURES

- Metal grills
- Dual-pivoting speaker array
- Magnets shielded for use near monitors
- Easy installation
- Wall mounting brackets included

SPECIFICATIONS


Color	Black
Peak Power Handling	30W
RMS Power	15W
Sensitivity	86+/-3dB
Impedance	8 Ohm
Frequency Response	200Hz - 20KHz
Dimensions (H x W x D)	6.25" (158.75 mm) x 3.13" (79.4 mm) x 4.13" (104.78 mm)
Weight	2 lbs (0.91 kg)
Warranty	2 Years


SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use. The included conventions of safety symbols and messages are regarded as very important precautions.
- We recommend you keep this instruction manual handy for future reference.

SAFETY SYMBOL AND MESSAGE CONVENTIONS

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating this product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety risks.

 **WARNING!** Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

 **CAUTION!** Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

WARNING!

IMPORTANT SAFETY INSTRUCTIONS

*****THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED TECHNICIAN.**

THE PROVIDED INSTALLATION HARDWARE MUST BE USED TO INSTALL THIS PRODUCT.***

Pro Acoustics is not responsible for the structural integrity of the installation. Please make sure a qualified technician installs this product and the building's engineer or architect has approved the equipment and installation.

1. DO NOT block any ventilation openings. Install in accordance with all safety standards and regulations.
2. DO NOT install near any heat source such as stoves, radiators, heat registers, amplifiers or any other apparatus producing heat.
3. USE attachments and accessories as indicated by the manufacturer.
4. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged or objects have fallen into the apparatus, the apparatus does not operate normally, or has been dropped.

*No user-serviceable parts inside. Refer all servicing to qualified service personnel.

*WARNING: To prevent injury, this apparatus must be securely attached in accordance with the installation instructions. No naked flame sources – such as candles – should be placed close to the product.

*CAUTION: Changes or modifications not expressly approved by the manufacturer could void the user's warranty.

INSTALLATION & OPERATION GUIDE

After carefully unpacking your speakers, the carton and the packing material should be saved for possible use later. If any speaker appears to be damaged, DO NOT attempt to repair or to connect the unit to the amplifier. Repack the speaker and notify your dealer or Pro Acoustics USA for replacement or repair.

SPEAKER PLACEMENT

- Careful consideration must be given to the speaker location to realize the full frequency range. Cube units can be mounted on the walls of the room.
- The speakers should be separated by at least 6 to 8 feet for stereo operation. They should not be closer than 2 feet to any adjacent surface (wall or ceiling).
- The cube brackets should be attached to a stud or mounted anchor with bolts for secure mounting. NEVER MOUNT THE SPEAKERS TO SHEETROCK WITHOUT SOME TYPE OF ANCHOR.
- The MC2.5B unit is designed with a swivel joint between the 2 speakers. Each speaker can be aimed individually. The unit also comes with a mounting bracket for attachment to a wall.. The bracket screws into the threaded socket on the bottom of the unit, and may be adjusted so that the speakers point in the desired direction.

PLEASE NOTE:

When mounting speakers from wall surfaces, additional tightening of the hex screw may be required.

SPEAKER SET-UP AND CONNECTIONS

1. After you have determined the speaker locations using the guidelines above, turn off the receiver or amplifier and unplug it from the power outlet.
2. Use 2-conductor 16-gauge speaker wire. Remove about 2 inches of the outside jacket from both ends of the wire, then strip approximately 1/2 inch of the insulation from each conductor at the speaker end. Use the recommended strip length as specified in the amplifier/receiver installation manual for the other end.
3. Proper connection of the speaker wire is very important to ensure full range sound. Most amplifiers and speakers use red (for +) and black (for -) as the polarity markings. The red wire should be connected to the red terminal and the black wire to the black terminal at the speakers and the receiver/amplifier.

PLEASE NOTE:

When using another type of wire, such as a flat ribbon, you will need to determine how the wire denotes one lead from the other. This usually takes the form of a rib or a color stripe in the insulation.

4. Repeat these steps for connection of all speakers to the system.
5. The MC2.5B mini cube speaker may be connected 2 ways depending on the receiver/amplifier used with the system. The major difference is the subwoofer connections. An amplifier with a subwoofer output connection, usually an RCA type connector. A shielded audio cable is required for this setup with a Y-Adaptor connecting the audio cable to left and right "LINE INPUT" on the subwoofer. The other option requires the front left and right speaker cables be routed from the amplifier through the subwoofer to the speakers. The wires from the amplifier should be connected to the "HIGH LEVEL INPUT" and the cables going to the speaker should be connected to the "HIGH LEVEL OUTPUT" on the subwoofer.
6. IMPORTANT! Make sure there are no loose strands of wire touching each other across the speaker or amplifier terminals. This can create a short circuit and damage your electronics.
7. Plug your receiver/amplifier in, turn it on, and enjoy your new music system.

INSTALLATION & OPERATION GUIDE CONT.

SETTING UP THE SYSTEM

- Use the settings on the receiver/amplifier; if a separate subwoofer is being added, the volume and crossover frequency will need to be set.
- The system will require setting up the front, center, and rear speakers as recommended in your amplifier/receiver instruction manual. The subwoofer provided with the system allows setting of the phase, volume, crossover frequency, and an auto power control.
- The phase switch is set for the best bass sound. Switch between the 0 - 180 position until the bass is loudest. In some applications, there may be noticeable difference, and in this case, leave the switch in the 0 position.
- The crossover frequency can be set between 40 and 180Hz. It is recommended that the control be set to 180Hz with the mini cube speakers.
- The volume control should be set to the desired bass level for the system.
- The power switch can be set to OFF-AUTO-ON. The OFF position disables the subwoofer completely. The AUTO position puts the subwoofer in a standby mode (low power) when the system is not in use. When a signal is supplied, the subwoofer is automatically turned on. The ON position is a constantly ready with or without a music signal. The AUTO position is recommended for most applications.

SERVICE

Ensure the problem is not related to operator error, or system devices that are external to this unit. Information provided in the troubleshooting portion of this manual may help with this process. Once it is certain that the problem is related to the product, contact your warranty provider as described in the warranty section of this manual.

LIMITED WARRANTY

PRO ACOUSTICS, LLC. ("PRO ACOUSTICS") warrants this product to the original purchaser to be free from defects in materials and workmanship (subject to the terms set forth below), for the following periods from the date of purchase.

THIS WARRANTY COVERS THE LISTED PRODUCTS AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR THE FOLLOWING PERIOD

Warranty Terms	
Speakers	2 Years
Amplifiers & Electronics	1 Year
Microphones	1 Year
Accessories	1 Year

PRO ACOUSTICS will repair or replace (at PRO ACOUSTICS's option) this product or any defective parts (excluding electronics and amplifiers) in this product.

Your authorized PRO ACOUSTICS dealer will inspect the product and, if your dealer is not equipped to perform the repair of your PRO ACOUSTICS product, they will replace your product or return it to PRO ACOUSTICS for repair, at their discretion. Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from this product. This warranty is invalid if this product was not purchased from a PRO ACOUSTICS authorized dealer. Cosmetic damage or damage due to the accident, acts of God, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product are not covered in this warranty. This warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than PRO ACOUSTICS or a PRO ACOUSTICS dealer which is authorized to do PRO ACOUSTICS warranty work. Any unauthorized repairs will void this warranty.

This warranty does not cover products sold as is.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. PRO ACOUSTICS U.S.A. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

Specifications may change without notice.

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