ROCKVILLE

OWNER'S MANUAL

APM10

ACTIVE STUDIO SUBWOOFERS

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The Rockville APM10 is an Active Studio Subwoofer designed to complement the APM5, APM6, or APM8 Active Studio Monitors. These subs put out an amazing 400 watts peak power and 200 watts RMS power. We spent a lot of time developing the most premium studio subwoofer we've built to date! If you are an audiophile you will find what we did to be quite amazing.

Please read this installation guide carefully for proper use of your Rockvillen APM series active studio monitors. Should you need technical assistance during or after your installation please call our technical help line at 1-646-758-0144, Monday through Friday, 9am to 5pm EST.

The Rockville brand stands for Quality, Innovation and Value. All Rockville products go through the most rigorous quality control standards in the industry. Products go through months of extensive testing before they reach your hands. All user functions are tested and all internal components are tested for quality. Rockville makes products that are virtually un-breakable! Rockville is one of the only brands in its class to test every concept model for weeks or months before starting production. Once production begins, Rockville sends product engineers to their factory to quality control every line of production. During production every product is tested and on top of that Rockville goes the extra mile and has their high level product engineers do an additional quality control. They test a certain percentage of all products from the production line a second time to ensure that the quality meets their vigorous standards, and to make sure that there is never a batch of products with even a slight problem. All Rockville monitors are backed with a full one year warranty, though it is unlikely that you will need to use it.

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FEATURES

- Rockville APM10 10″ 200 Watt Active Studio Subwoofer
- Built-in class D amplifier
- Enclosure is made of top quality MDF wood. Our enclosure is not particleboard it is true high-grade MDF! The enclosure is 0.7″ thick while the front board of it is a full 1.34″ thickness to give you the ultimate best sound quality!
- Comes in 3 enclosure finish options Wood finish painted black. Wood finish painted white. Wood finish with vinyl front board.
- We use “baking paint” made for wood surface. It lasts long and is the best paint for speakers!
- Beautiful finish is matte with a slight shine to it. Our designers spent a lot of time on the color to make it beautiful and elegant looking to improve the appearance of your studio or room.
- The enclosure is built with the perfect amount of air space to maximize sound quality for a studio.
- Front-firing port shaped and designed by sound engineers to reduce port turbulence and deliver distortion free top sound quality!
- Class “D” amplifier circuitry with auto-switching power supply
- LED Power on indicator on rear panel
- Rubber woofer surrounds increases sound quality and eliminates unwanted distortions.
- Computer optimized electronic crossover network filters out highs and mids.
- We developed the most optimized magnet structure, cone, and cabinet space that reproduces the sound to play back exactly the way it was recorded!
- Specially wound voice coils produce accurate response along the low frequency spectrum.
- Distortion-free playback even at max volume.
- Ground Lift switch to help reduce loop noise.
- Our factory uses the latest precision glue machine (over 500 meter tunnel oven).
- Thick “Wadding” to protect the inside of the subwoofer cabinet.
- STA309 for audio processing and STA516 for amplification.
- Every subwoofer in production undergoes a computer generated sound check test to ensure it holds up to our specifications and standards.
- Shiny metal mesh grill

SPECIFICATIONS

Amplifier: Class D Mono Block

Low-Mid Frequency: 10″ Painted Paper Cone with Rubber Sourround

Frequency Response: 34Hz - 150kHz

SPL Peak: 100dB @1w/1m

Driver Power Output): 200 Watts RMS/400 Watts Peak

Speaker Impedance: 4 Ohm

Low Pass Frequency Adjustment: 50Hz - 150Hz

Input Connectors: Unbalanced RCA Line In/Line Out
Balanced 1/4″/ TRS Left/Right Inputs
Left/Right XLR Inputs and Outputs
1/4″ Sub and HPF Bypass

AC Power Input: 120V (60Hz)

Dimensions (W x H x D): 13.4″ (340.4mm) x 14.5″ (368.3mm) x 15.7″ (398.8mm)

Weight: 32 lbs (14.5kg)

IMPORTANT SAFETY INSTRUCTIONS

TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE AMPLFIER PLATE. NO USER SERVICEABLE PARTS INSIDE. WE RECOMMEND TAKING THE UNIT TO A QUALIFIED SERVICE TECHNICIAN FOR ANY REPAIRS.

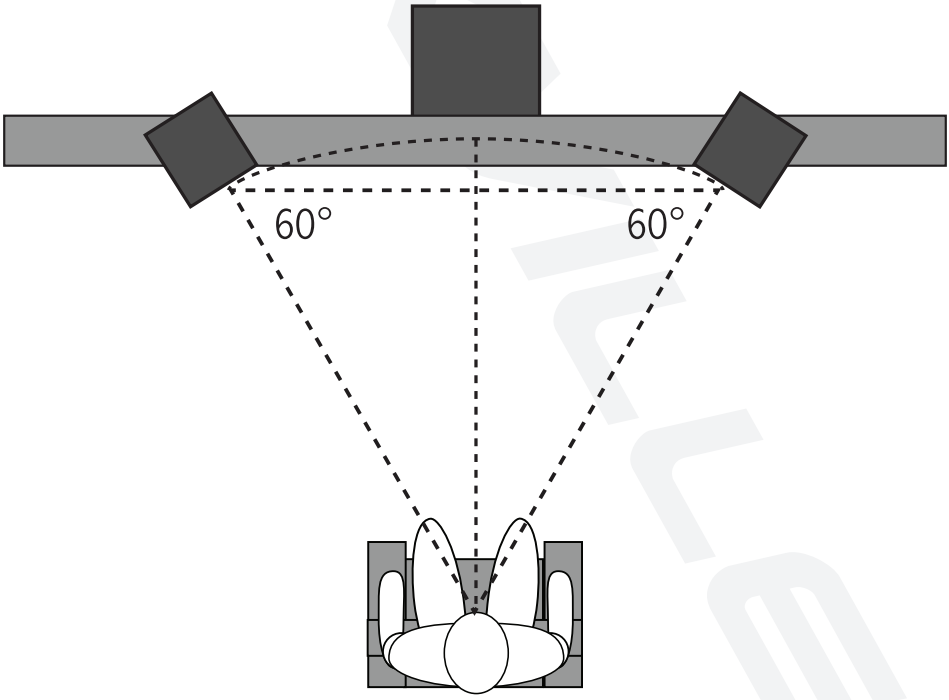
- Do not place these monitors on an unstable cart, stand, bracket or table. The monitor may fall, causing serious injury to a child or adult and serious damage to the unit.
- Do not use these monitors near water; for example, near a bathtub, sink, in a wet basement, or near a swimming pool.
- The monitors should be situated away from heat sources such as radiators, heat registers, stoves, or other devices that produce heat.
- These monitors should be connected to a power supply outlet of the same voltage as that which is specified on the amp plate of the unit. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits from the unit.
- Clean only with a soft damp cloth. Unplug this product from the wall outlet before cleaning.
- Upon completion of any servicing or reapirs, request the service the service center/shop uses factory authorized replacement parts. Replacement with unauthorized parts may result in fire, electrical shock, or other hazards.

POSITIONING: SUBWOOFER

Placement is for the most part a trial and error process and differs depending on the shape and size of the room. Use the diagram below as a general starting point for placement.

Place the APM10 sub on the floor in front of the listening positon. Be sure to place it centered between the monitors. Then try different locations through out the room until you find a location that suits your needs. If possible, place the subwoofer in a corner as this will provide you with lower distortion, increased headroom, and increased efficiency.

Ensure the proper phase settings on your subwoofer. Then adjust the subwoofers low-pass filter so that it blends seemlessly with your APM series monitors. When you have finished adjusting the phase and cross-over settings, re-adjust the level of the sub to your personal preference.



POSITIONING: MONITORS

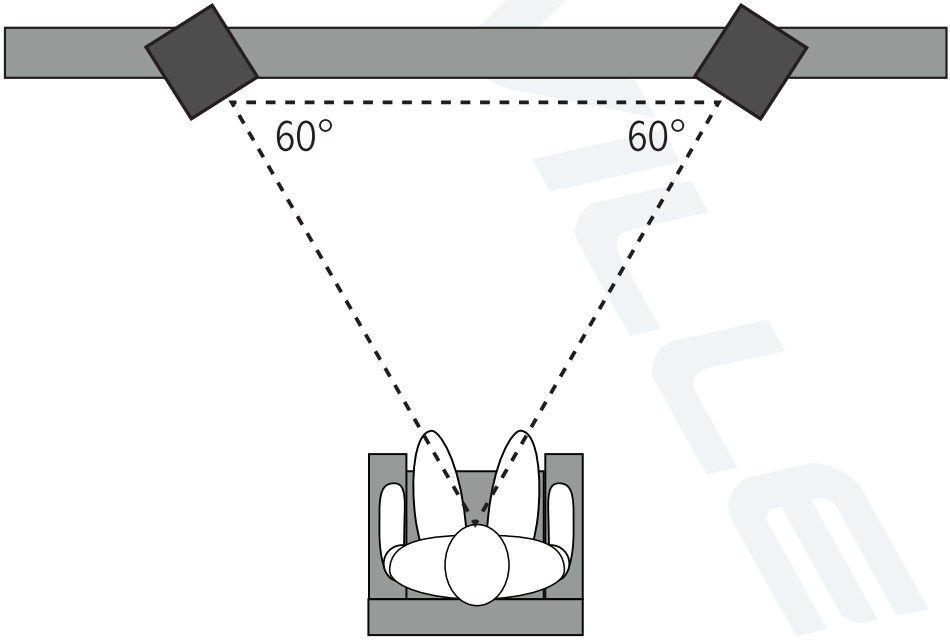
The close-field monitor, by definition, reduces room interaction. This can be compared to the conventional stereo configuration or the large monitor arrangement in a recording studio where sounds emanating from the monitor or reflecting off ceilings, walls, and floors, all greatly affect sound quality.

By shortening the path to the ear, APM series active monitors offer a tremendous amount of flexibility allowing sound to become less succeptible to differing room conditions. The ability to adjust the high/low frequency characteristics is equally important to help compensate for room irregularities and achieve the best performance.

Placing the monitor close to a wall or in a corner will reinforce low frequencies. If you move them 2 to 3 feet from walls and corners, you'll hear less low frequency interaction.

The monitors should be placed so that the listening position is fully covered with all units resting on the same horizontal plane. For testing and break-in we recommend acoustical music because it represents a wide, natural spectrum of sound.

Innitial placement starts by meauring out a simple equilateral triangle (all three sides equal in length) with the apex at the center of the listening position (as shown below). In this configuration, the left and right monitors are each placed at a 60° angle, equidistant from the listening position.



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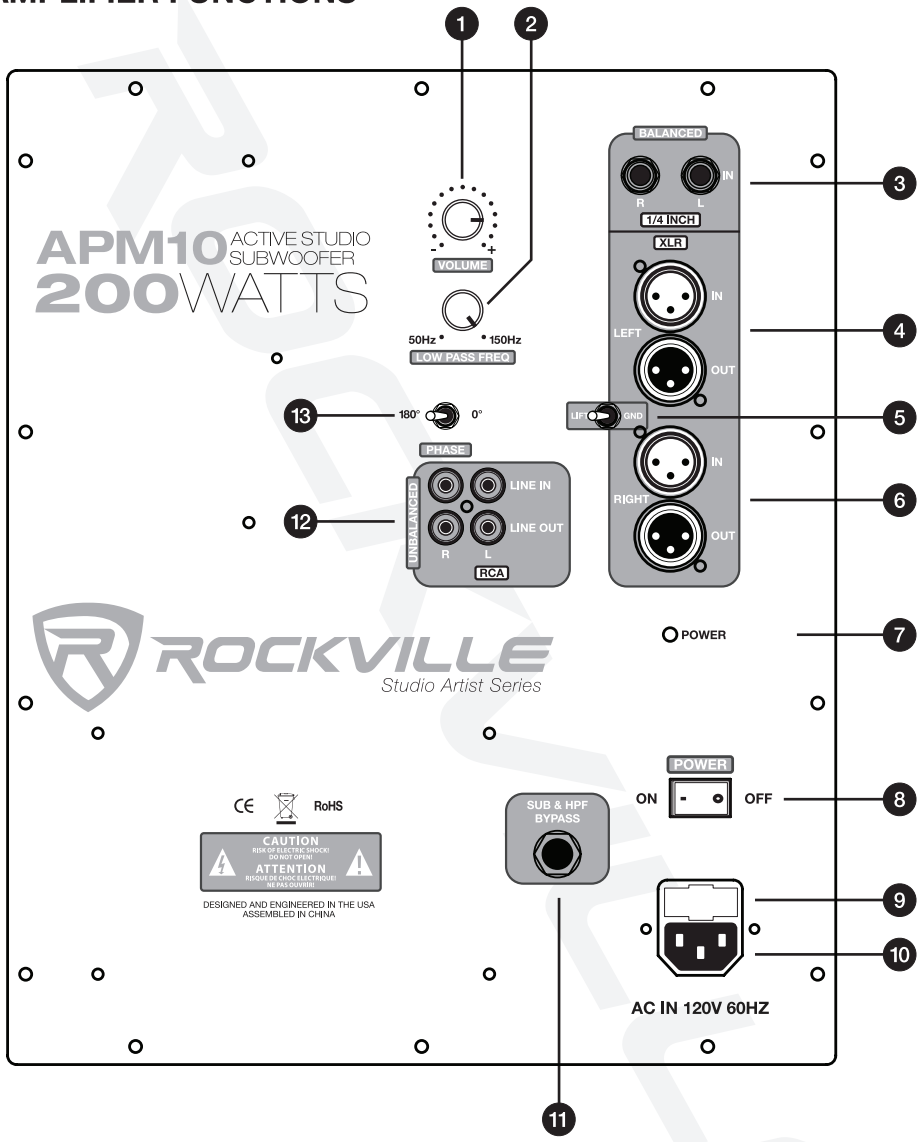
AMPLIFIER FUNCTIONS



1. Master volume control knob
2. Low pass frequency control
3. Balanced 1/4˝ TRS left and right inputs
4. Left balanced XLR input/output
5. Ground lift switch
6. Right balanced XLR input/output
7. LED power indicator
8. Power switch
9. Fuse compartment
10. IEC AC power socket
11. Sub and high pass frequency bypass
12. Unbalanced left and right RCA input/output
13. Phase control switch

TROUBLE SHOOTING

NO POWER

- Ensure power cable is properly connected and that the LED power indicator is illuminated.
- Check that AC voltage matches that of the operating voltage requirements.
- Check fuse, replace if necessary (see diagram below). NEVER USE A LARGER AMPERAGE FUSE THAN THAT WHICH IS SPECIFIED.

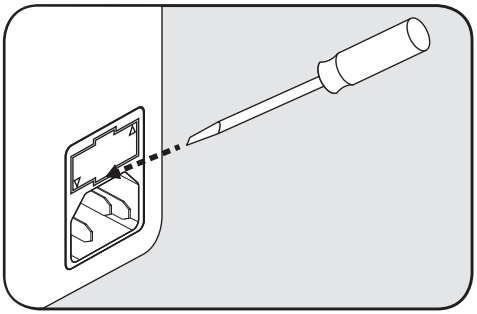
NO SOUND

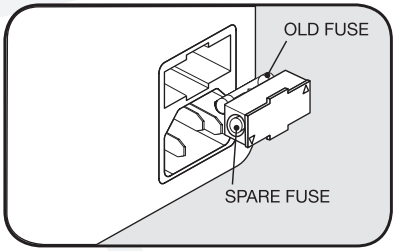
- Check to see if all other audio devices using the same outlet are still operating.
- Ensure that the audio source cable is plugged into both the source and the corresponding subwoofer input.
- Check that unit volume is not set to 0.
- The signal source (mixer, work station, MP3 player, etc.)is turned up to a level that can properly send a signal to the monitors.
- If the subwoofer is still not responding, it should be returned to an authorized Rockville dealer.

POPS, HISSES, HUMS, & OTHER UNWANTED NOISES

- All audio equipment should use the same ground point. Check allother devices using the same AC output in the building such as dimmers, neon signs, TVs, and computer monitors. These devices should not be using the same circuit.

FUSE REPLACEMENT DIAGRAM





FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

Address: 600 Bayview Ave
Entrance A
Inwood, NY 11096

Hereby declares that the product(s) APM10 Active Studio Subwoofer complies with FCC rules as mentioned in the following paragraph:

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: 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.

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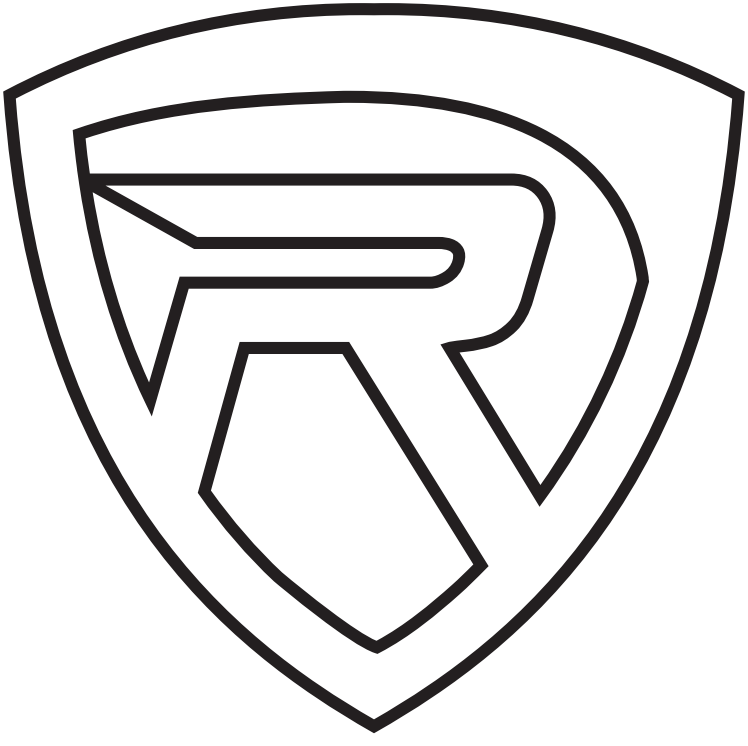

RockvilleAudio.com