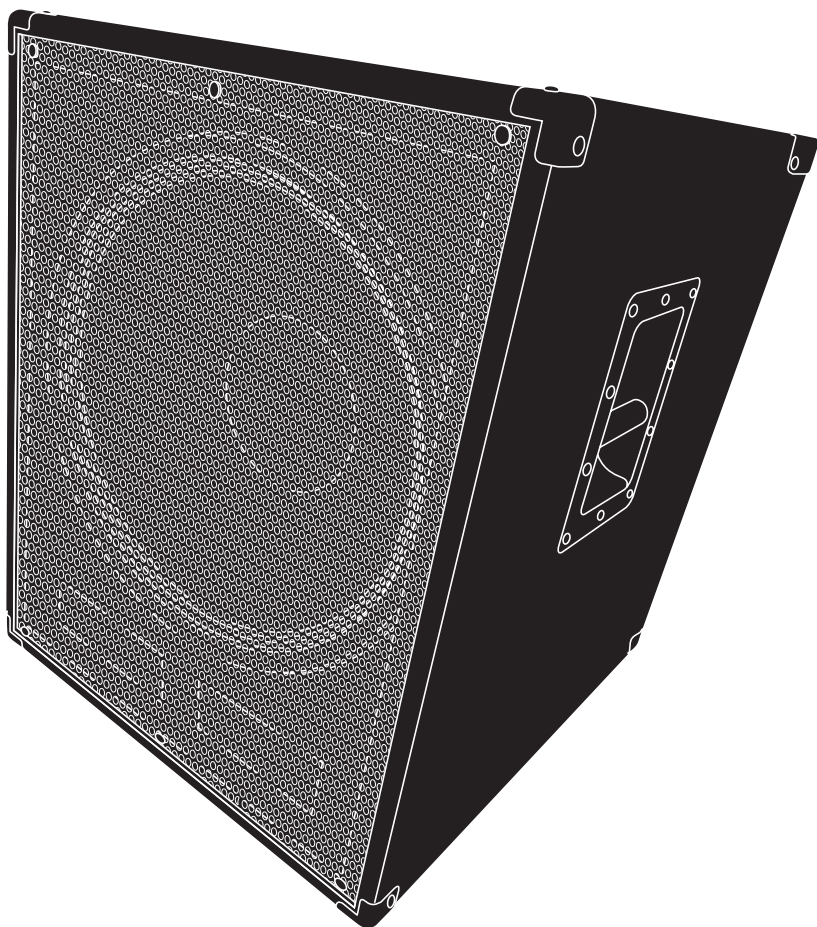


ROCKVILLE



OWNER'S MANUAL

PBG18
SINGLE 18" PASSIVE SUBWOOFER

ROCKVILLE

Thank you for purchasing this Rockville PBG18 18" passive subwoofer.

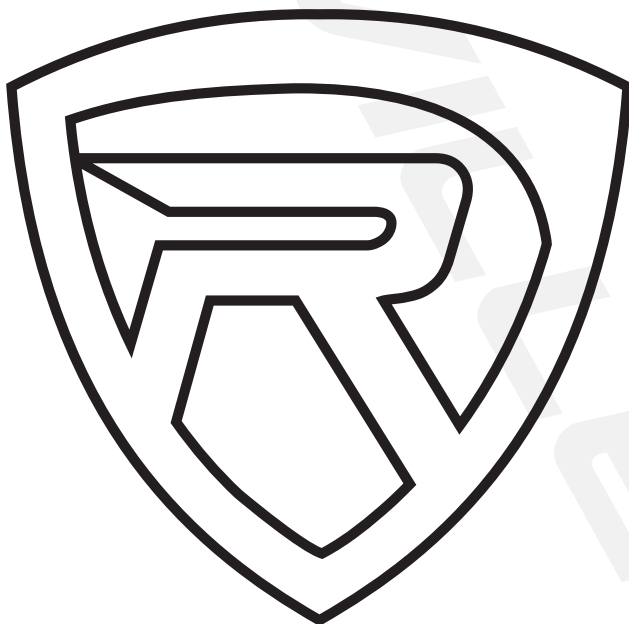
We are very proud to bring you what we consider to be the absolute best value in pro audio speakers. This project has been a culmination of years of development involving a team of dreamers, engineers, designers and marketing gurus. Proudly conceived and developed in the USA, Rockville pro audio speakers are designed and engineered by a team of music enthusiasts, DJ's and musicians.

We have spared no expense in manufacturing these speakers to meet the highest quality standards. With proper care and installation this unit will provide you with the highest levels of sound quality. We hope that this unit will bring you years of performance and reliability.

Our goal to you and to your audience is to hear "live performance sound" the way it was meant to be experienced.

Please read this installation guide carefully for proper use of your Rockville PBG18 18" passive subwoofer. 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.

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Features

- Construction: high-density, high-quality non resonant particleboard, stapled, bonded & braced
- Vented enclosure for improved bass response
- Two 1/4" jacks (In/Out)
- Two SpeakON jacks (In/Out)
- All input/output connections are internally connected in parallel
- Ergonomic recessed handles
- Molded steel grill
- Aviation grade black carpet
- Pole mountable
- Rubber isolating feet

SPECIFICATIONS

- 18" Pro audio Carpeted Passive Subwoofer
- 1,000 Watts RMS
- 1,500 Watts Program power handling
- 2,000 Watts Peak power handling
- 4" KSV voice coil
- 8-Ohm impedance
- Sensitivity: 98dB @ 1w/1m
- Frequency Response: 34Hz – 4KHz
- 100oz Magnet
- Dimensions: 20" x 23.62" x 25.59" (width x depth x height)
- Weight: 64Lbs

IMPORTANT SAFETY INSTRUCTIONS



- To reduce risk of electric shock, never open the unit. There are no user serviceable parts, refer service to an authorized Rockville service center.
- Do not expose this unit to any kind of moisture.
- Unit should be situated away from heat sources.
- Do not obstruct vents or exhaust fan.
- Please ensure that the unit is situated in a properly ventilated area.
- These speakers are intended for stationary use on flat, solid, level surfaces. When using with speaker stands, it is the responsibility of the user to be certain the stand is capable of supporting the weight of the speaker. Additionally, these are not intended for flying installations. They should not be retrofitted with flying hardware for support above stages. This unit should not be mounted to a wall or ceiling.

OPERATION

Before powering up your equipment, make sure the volume level on the amplifier is turned to zero. This will help avoid any “popping” sound which could cause damage to your speaker.

PLACEMENT & TIME ALIGNMENT

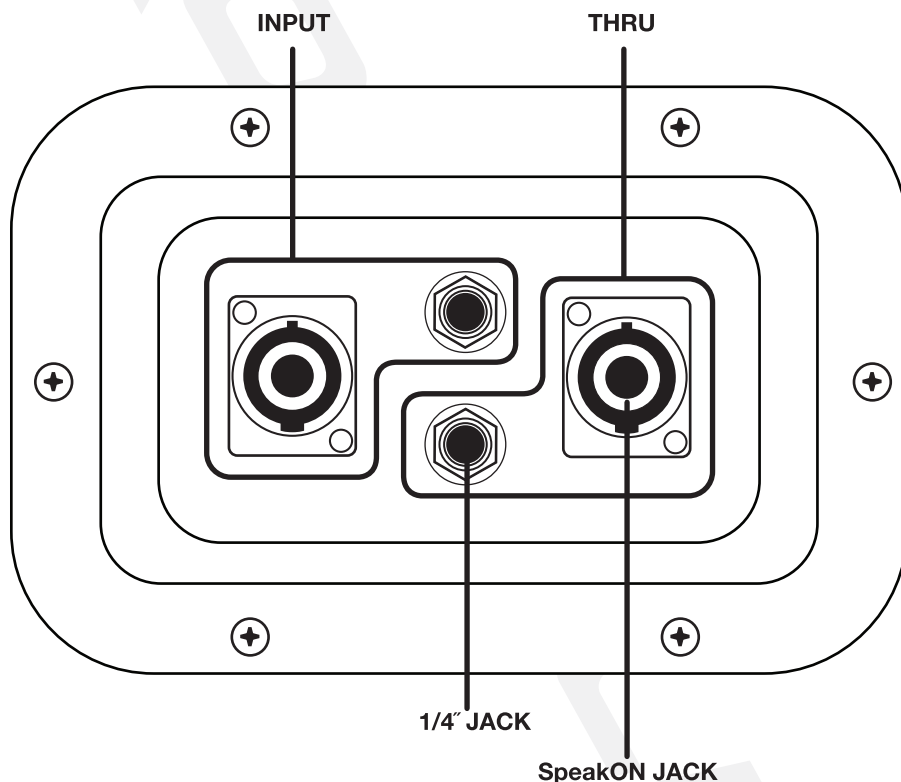
Because this PBG18 18” passive subwoofer transmits omni directional low frequencies, it is not necessary for there to be a direct line-of-site between the sub and the audience. The best location for the subwoofer is on the floor. Leaving the subwoofer on the floor will incorporate the floor as a plane into the radiation pattern of the unit. This will result in an apparent increase in low frequency energy.

When using the PBG18 18” passive subwoofer with other speakers, all speakers should be time-aligned for phase coherence. Time-alignment is physically achieved when the acoustic centers of the speakers are equidistant from the listener. If the speakers are close together then it shouldn’t be an issue. However, if the speakers are far apart, the sound from one speaker may reach the ear a fraction of a second before the other. This results in phase errors, which are most apparent at frequencies near the crossover point(s). If you are unable to physically arrange the speakers for proper alignment, then you should do so digitally. Most digital speaker processors feature separate delays for each output which will allow you to fine tune the phase alignment.

Though not necessary, for maximum amplifier efficiency and increased routing control you may choose to use an active crossover.

CONNECTIONS

Connection and installation of these speakers is fairly straight forward. Each model includes two SpeakON jack and two 1/4" jacks (input/output). 1/4" and SpeakON jacks are internally connected in parallel, and either may be used. Naturally, you would never connect a single speaker to more than one amplifier, however these two connections (1/4" and SpeakON) may be utilized simultaneously to connect more than one speaker to a single line (daisy chain). Note that most amplifiers are only capable of loads above 4Ω so only two speakers can be connected to a single output.



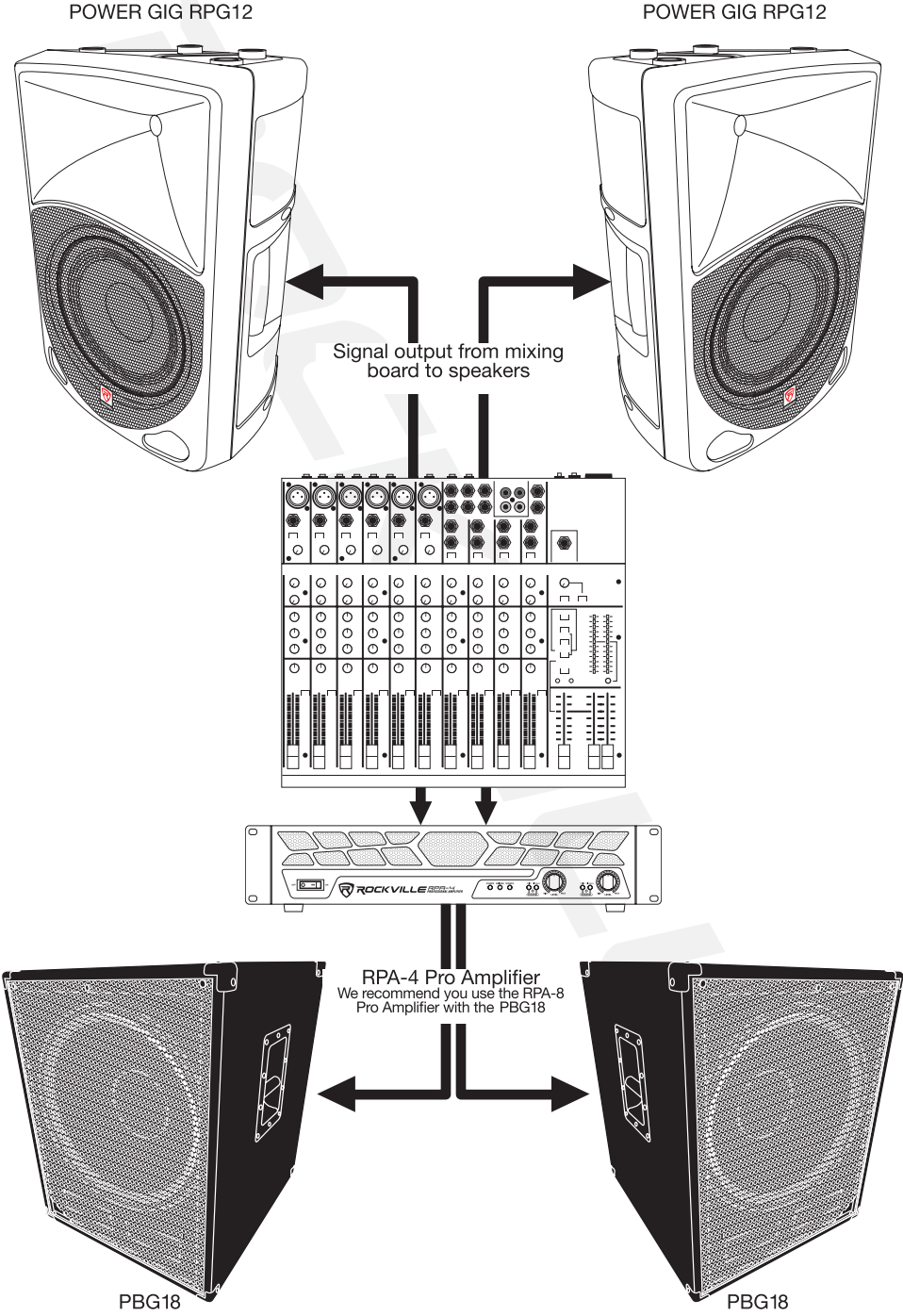
ALL INPUTS ARE IN PARALLEL

Hooking speakers up in parallel decreases the overall impedance, placing a greater load on the amplifier. Check your amplifier's specifications to ensure that you are not overloading the channel.

**DO NOT USE MORE THAN ONE JACK AS AN
AMPLIFIER INPUT. DOING SO WILL RESULT IN
DAMAGE TO YOUR SYSTEM.**

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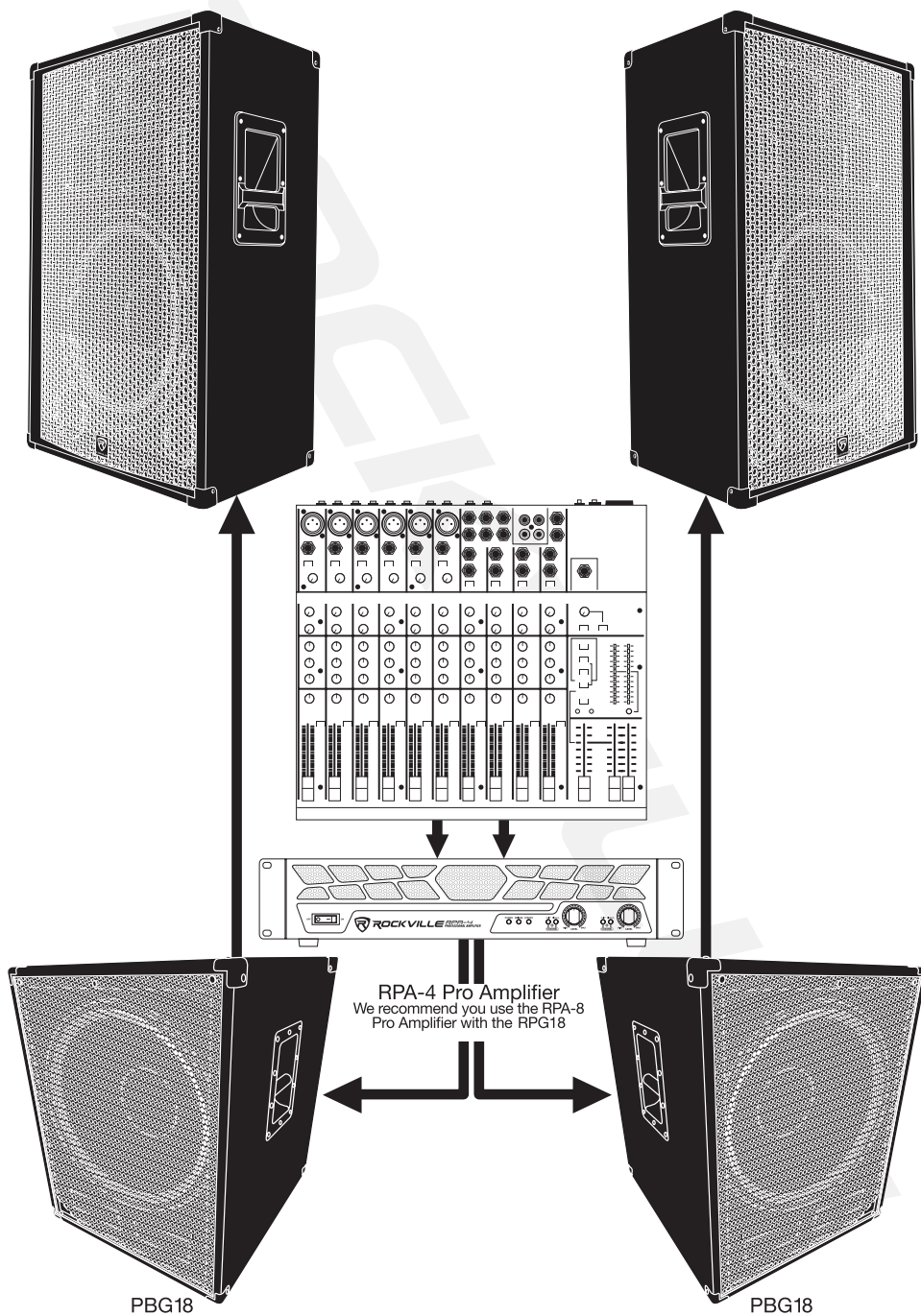
COMMON SET-UP



PARALLEL SET-UP

RSG12 or SPG12

RSG12 or SPG12

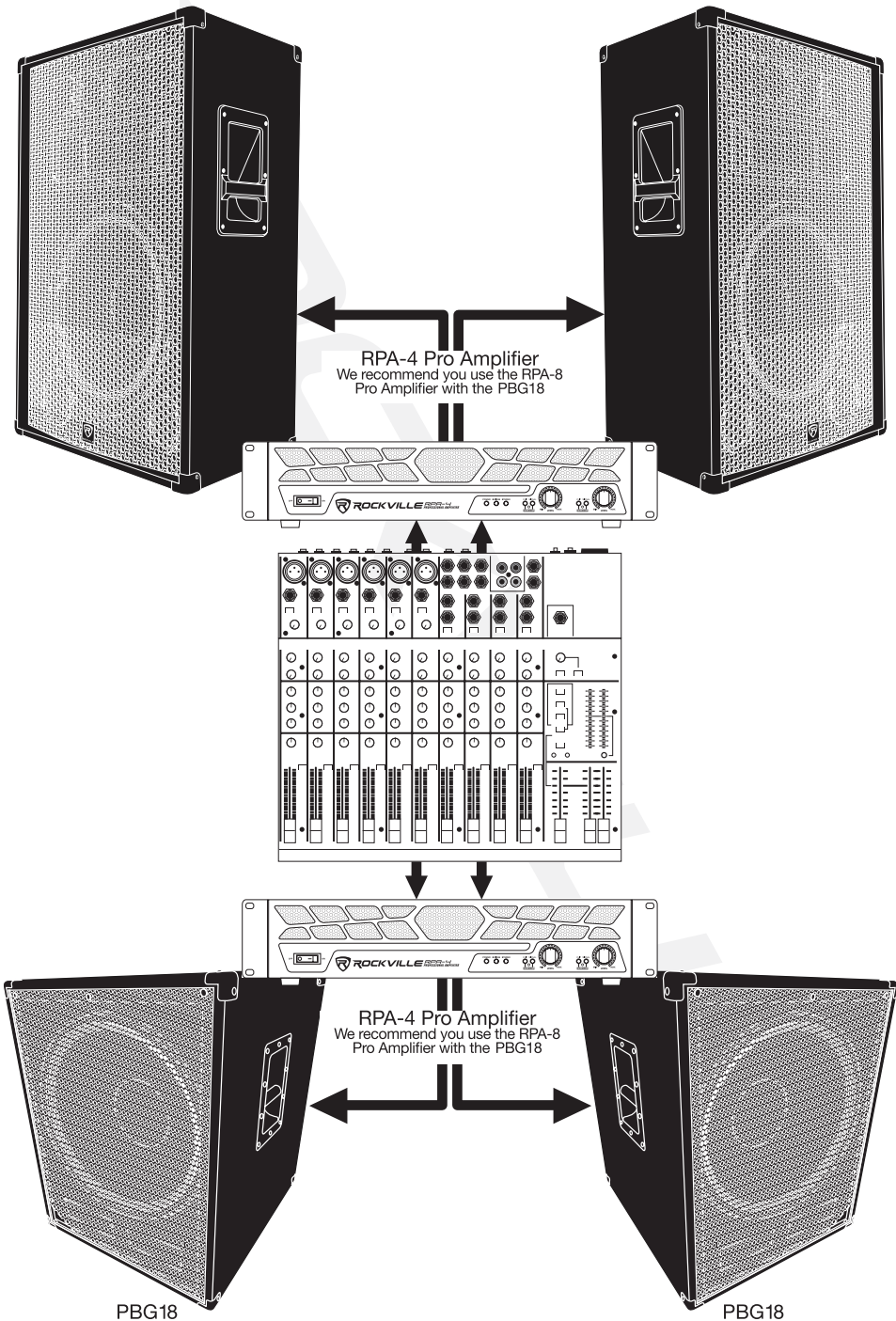


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DUAL AMP SET-UP

RSG12 or SPG12

RSG12 or SPG12



TROUBLESHOOTING

PROBLEM	SOLUTION
No Sound	<ol style="list-style-type: none">1. Check all connections.2. Check speaker cable.3. Check amplifier levels.4. Confirm that your amplifier is getting a signal.
Intermittent Output	<ol style="list-style-type: none">1. Check all connections.2. Check speaker cable.
Low Bass	<ol style="list-style-type: none">1. Check speaker connections, polarity maybe reversed.2. Connect amplifier to different speaker or use headphones to confirm that the amplifier is receiving a proper signal.
Distortion	<ol style="list-style-type: none">1. Check the amplifier for "clipping". If this is the case, turn down the Gain level on the amplifier and/or mixer.2. Make sure you are not exceeding your speakers RMS rating.



FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

Address: 600 Bayview Ave.
Entrance A
Inwood, NY 11096

Hereby declares that the product(s) PBG18 18" Passive Subwoofer complies with FCC rules as mentioned in the following paragraph:

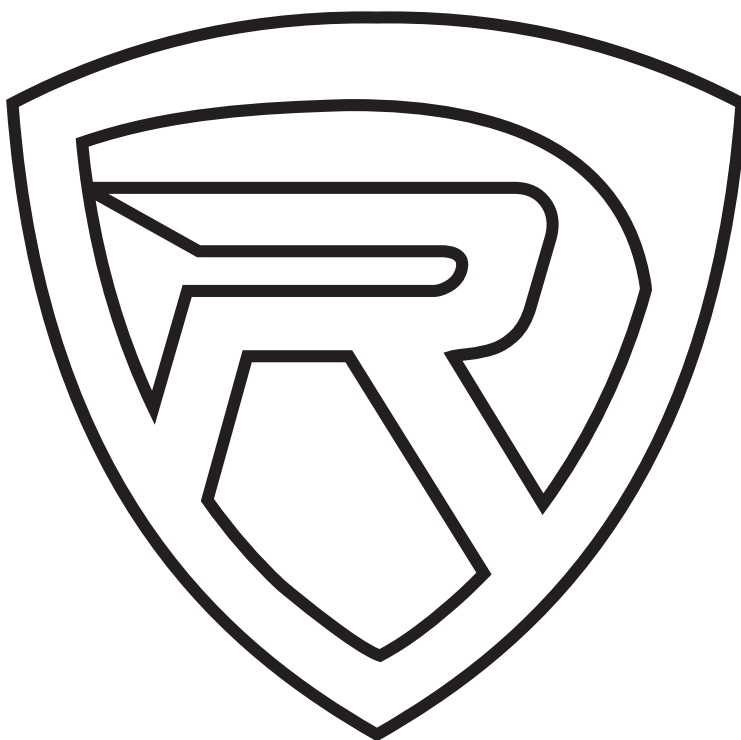
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

PBG18
18" Passive Subwoofer

Rockville



RockvillePro.com

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