ROCKVILLE

RPG15BT V2/RPG12BT V2

POWERED DJ PA SPEAKER w/BLUETOOTH, WIRELESS, REMOTE, and EQ

OWNER'S MANUAL

ATTENTION:

WATCH THIS VIDEO BEFORE FIRST USE!

Scan the **QR code** or visit the **URLs** for essential information, guides (video and/or written), and tips to make the most out of your purchase.

If you prefer written instructions, please read ahead!

With Rockville you get many options.

rockvilleaudio.com/rpg15bt-v2

rockvilleaudio.com/rpg12bt-v2

Missing items? If you ordered a bundle that includes more than one product and you are missing part of your bundle then it just means your order shipped from two different warehouses. You will receive the remaining items very soon. If you have any concerns or inquiries, feel free to call our customer support center at 1-646-758-0144, 24 hours a day/7 days a week.

Thank you for purchasing this Rockville RPG BT V2 series pro audio speaker. Please read this installation guide carefully for proper use of your RPG BT V2 series speaker. Should you need technical assistance please call our technical help line at 1-646-758-0144, 24 hours a day/7 days a week.

Included

- (1) RPG BT V2 unit
- Wireless remote control
- Power cable
- Manual
- Warranty card

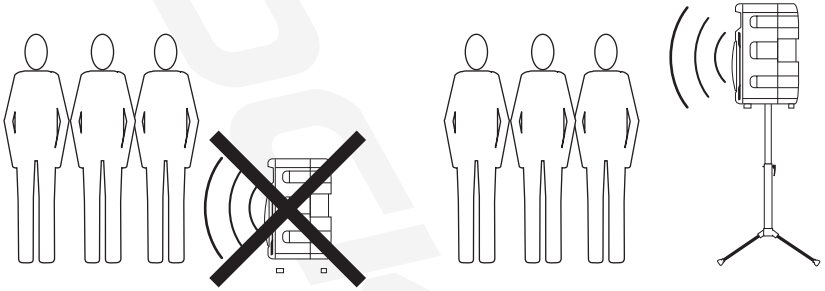
IMPORTANT SAFETY INSTRUCTIONS

- To reduce risk of electric shock, never open the unit. There are no user serviceable parts. Refer service to the Rockville service center.
- Do not expose this unit to any kind of moisture.
- Please ensure that the unit is situated in a properly ventilated area.
- Make sure the unit is placed on a level and stable surface.

Setting Up Your RPG BT V2 Professional Sound System

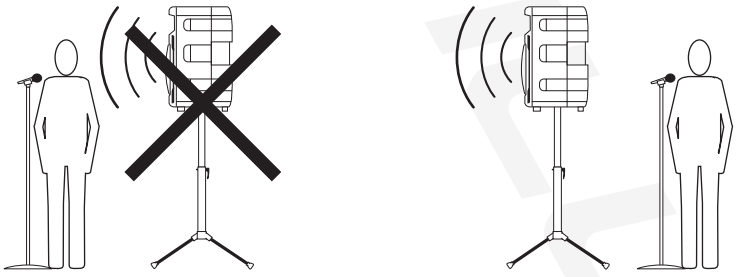
Your RPG BT V2 is set up to produce the full spectrum of sound from its woofer and tweeter horn combination. The lower frequencies seek out the floor of the room they are playing and travel along the floor and walls. The tweeter horn is more directional. Hence when setting up your system its more important to make sure that the tweeter horns are not blocked by any furniture and are located / aimed at ear level to the listening audience. Woofer aiming is not as critical as explained previously due to the nature of the woofer sounds able to travel through various paths even when blocked.

It is therefore recommended that when setting up your system you set up your speakers on speaker stands, such as the Rockville model RVSS2 (not included) so that the tweeter sounds will radiate above the listening crowd. This will guarantee optimum sound dispersion and achieve clear vocal sound reproduction.



How To Avoid Irritating Feedback

The placement of your microphone is critical in avoiding feedback through your RPG BT V2 speaker. Never set up your microphone in front of the speaker. Always set up your microphone behind the speaker. When approaching the speaker to make any adjustments, we recommend approaching the speaker from the rear and not walking directly towards the front of the speaker.



Stage Monitor Setup

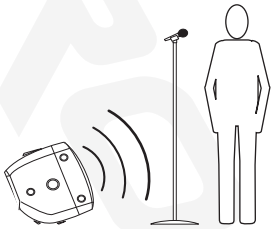
Your RPG BT V2 can be placed on the floor at an angle as a stage monitor. Unlike a PA setup which face the crowd, stage monitors are set up to face the performer on stage and to direct the sound towards them. This presents a particular problem as now feed back may occur. To avoid stage monitor feedback the following precautions should be taken.

1. Choose a microphone with high directivity, i.e. cardioid or hyper-cardioid polar pattern.

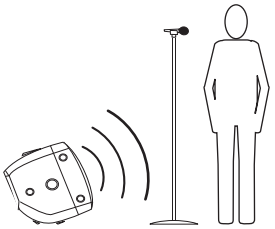
2. Never point the microphone directly in front of the speaker. Holding the microphone in a normal position will allow you to be closer to the stage monitor with out feedback.

3. See illustration below as to position of microphones when mounted in stand. Cardioid polar patter microphones should always be at a 90 degree angle to the axis of the stage monitor. Hyper Cardioid polar pattern microphones should be positioned at an acute angle to the sage monitor.

You may choose to add a feedback eliminating processor to your system for additional flexibility on stage.



Cardioid Polar Patter



Hyper Cardioid Polar Patter

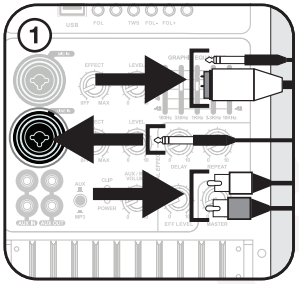
A Word About System Volume Controls and Gains.

There is really only one volume control on the RPG BT V2 unit, that is the knob marked MASTER.

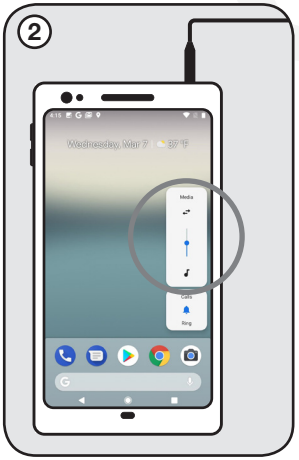
The Mic In level control is a matching device to match the preamp voltages of items such as microphones and guitars or other musical instruments with your RPG BT V2 unit. Never turn it up to maximum unless indicated by the instructions below. With a properly matched signal your system will produce less distortion, be subject to less feedback, and will produce louder, cleaner and clearer sound. Use the Master control as your volume once all inputs are matched properly. Your RPG BT V2 features a CLIP LED indicator to help you set and match your components. Please be sure to read all set up instructions so your RPG BT V2 sounds its best.

Setting Level Controls

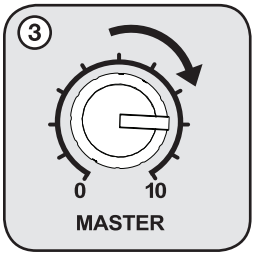
It is best practice to set your input level controls (gains) in this manner shown below.



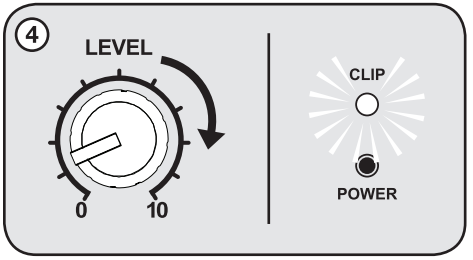
1. Unplug all inputs except for the one you wish to set the gain for. In this instance, the Line In ¼″ input.



2. Set the volume of the external stereo signal source (mixer, keyboard, electronic drums, CD player, DVD music player, smart phone, MP3 player, etc.) to 60%. If using a device with RCA outputs, use an RCA to ¼″ TRS cable.



3. Set the Master volume to 75%.



4. Slowly turn up the level on the selected input (in this case, the Level controller). As soon as the clip indicator LED goes on or you hear any distortion – turn it down one or two notches.
Please note: If you are using the RCA AUX inputs, perform this step with the AUX/MP3 Volume controller.

After you set the levels on all input devices, you can readjust the RPG BT V2 levels as necessary.

PLEASE NOTE

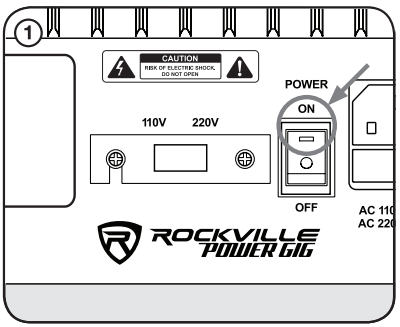
Because mixers feature two volume controls (channel and master), when connecting one via the XLR line in port, the procedure is slightly different. The volume should be set to 50% and the Line Volume control should be set to 50%. Set the mixer master volume to 50% and make the adjustments in step 4 on the mixer channel level control. If after making these adjustments the signal still isn't strong enough, you can additionally boost the signal by turning up the Line Volume control.

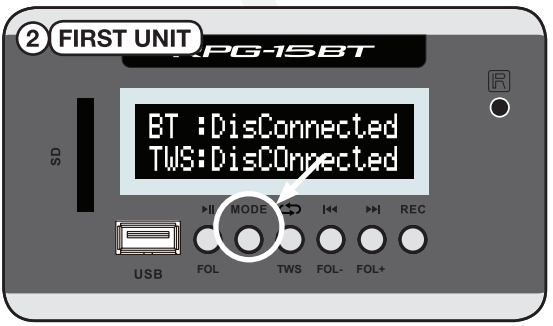
When adjusting the Mic Level control, you must speak into the microphone and adjust the level control as needed. This is because adjustments to the mic input are a matter of mic volume in relation to the music volume and not necessarily a clipping issue.

Wireless Speaker Linking

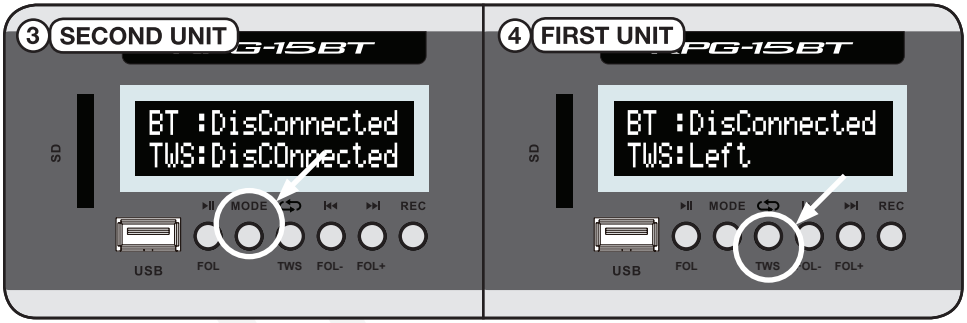
The RPG-BT series feature True Wireless Stereo (TWS) Bluetooth linking. This means you can purchase 2 of these speakers and link them together to play in stereo wirelessly. Diagrams are on the facing page. Speakers must be within 100 feet of each other for TWS connectivity.

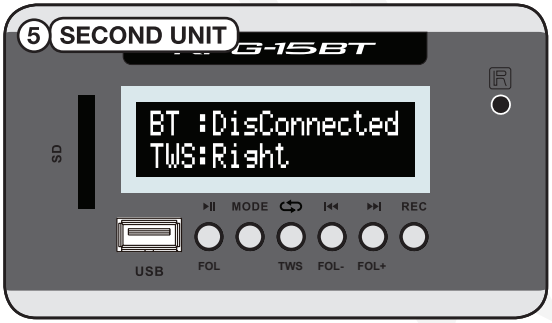
1. Make sure both RPG-BT unit's power switches are in the ON position.
2. Press the Mode button on the first (main) unit. The LCD screen should show that the speaker is not connected to Bluetooth or another speaker.
3. Press the Mode button on the second unit. The LCD screen should show that the speaker is not connected to Bluetooth or another speaker.
4. Press and hold the TWS button on the first (main) unit for 3 seconds. The LCD screen should show that the unit has been designated as the "Left" TWS speaker.
5. The LCD screen of the second unit should show that the unit has been designated as the "Right" TWS speaker.
6. Turn-on your device's Bluetooth mode and ensure that it is in "discoverable" mode. Look for "ROCKVILLE" in the list of available devices and select it.
7. If connection is successful, the LCD on the master unit will indicate that there is a Bluetooth connection established. You are now ready to enjoy true wireless stereo sound!

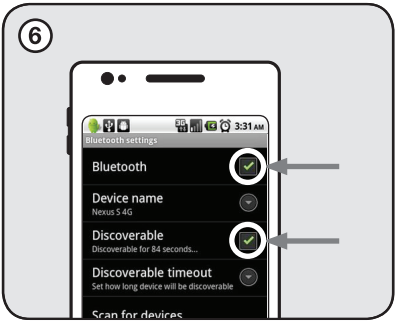


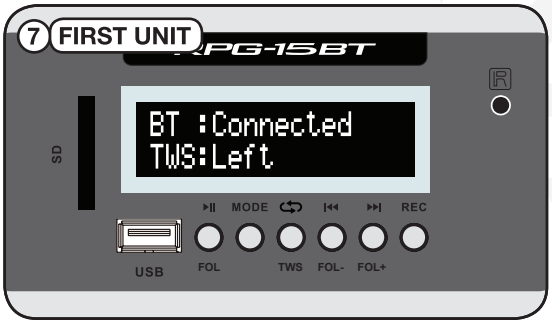


Wireless Speaker Linking (continued)









APPLICATION USES

Microphone Presentations

Your RPG BT V2 features an ultra-low noise mic input via a XLR/¼˝ TRS combo jack.

1. Make sure the Power switch is in the OFF position.
2. Plug your microphone into either the XLR or ¼˝ jack input of the combo jack.
3. Switch on the RPG BT V2 unit.
4. Refer to the “Setting Level Controls” section of this manual for instructions on how to properly adjust the input level controls (gains).

Always stand behind the speaker when making your microphone adjustments to avoid feedback distortion.

Line Input

These models feature an ultra-low noise Line input via an XLR/¼˝ TRS combo jack. Use this input when you wish to hook up an additional stereo signal source: mixers, keyboards, electronic drums, CD players, DVD music players, MP3 players, etc.

1. Make sure the Power switch is in the OFF position.
2. Connect an external stereo signal source to the XLR input or the ¼˝ input. **Never use both at once**.
3. Switch on the RPG BT V2 unit.
4. Refer to the “Setting Level Controls” section of this manual for instructions on how to properly adjust the input level controls (gains).

Aux Input

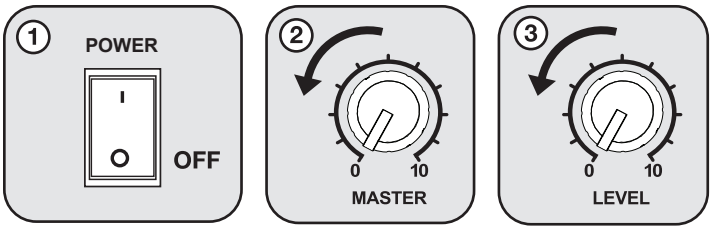
You can use the Aux input when you wish to hook up an additional stereo signal source without the use of a mixer console. Smart phones, CD players, DVD music players, MP3 players etc. can be plugged directly in to the RCA jacks labeled AUX IN.

1. Make sure the RPG BT V2's power switch is in the OFF position.
2. Connect the music source unit to the RCA jacks marked AUX IN.
3. Use the push button (located next to RCA jacks) to select AUX input.
4. Switch ON your RPG BT V2.
5. Refer to the “Setting Level Controls” section of this manual for instructions on how to properly adjust the input level controls (gains).

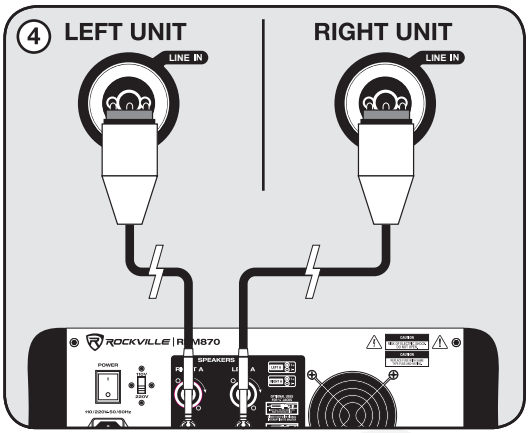
Public Address/Concert Mixer

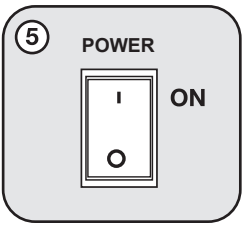
When setting up for larger venues, a mixing console becomes a critical piece of equipment for appropriately mixing signals from multiple inputs such as singers, speakers, effects devices, musicians and of course allows for multiple speaker utilization.

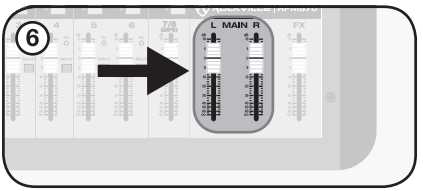
1. Make sure the RPG BT V2's power switch is in the OFF position.
2. Turn Master volume to 0 position.
3. Turn mic Level to 0 position.
4. Connect the LEFT SPEAKER OUTPUT of mixer to the Line In connection of your Left RPG BT V2 unit Connect the RIGHT SPEAKER OUTPUT of mixer to the Line In connection of your Right RPG BT V2 unit.
5. Switch ON your RPG BT V2 units.
6. Slowly raise the level of the mixer output to the 0dB level position.
7. Slowly turn the mic Level controls clock wise until the CLIP LED indicator begins to blink, then turn it down slightly. This indicates the maximum input voltage gain is matched and set properly.
8. Turn Master volume up to achieve proper volume.

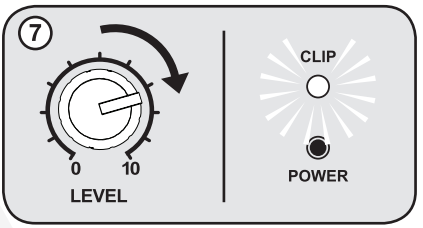


Public Address/Concert Mixer (continued)









Line Out Balanced Connection

The output marked Line Out allows for daisy chaining of signals from one RPG BT V2 unit to another. Simply attach an XLR to XLR (fig. a) or XLR to ¼″ TRS cable (fig. b) between the two units to share signals. The input into RPG BT V2 #2 should go to the Line In port.

fig. a

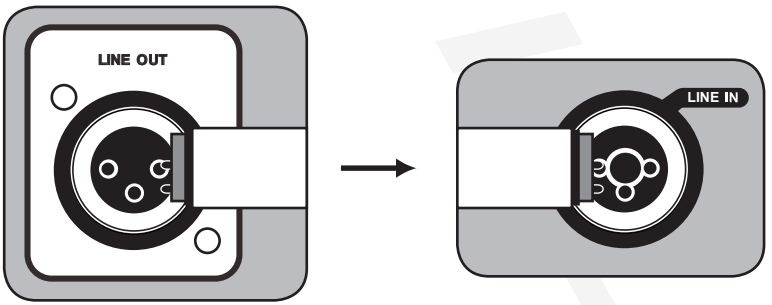
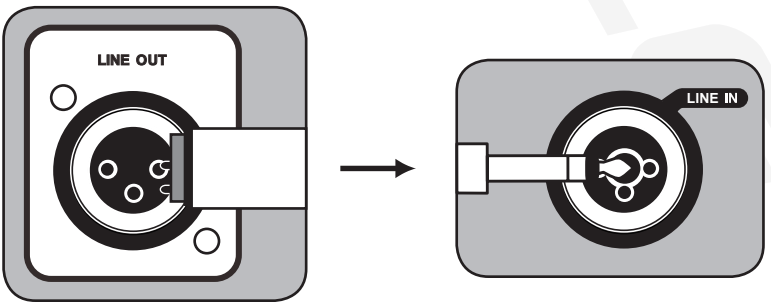
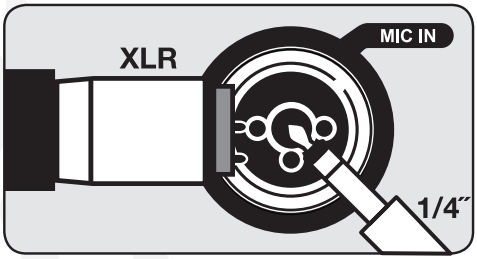


fig. b



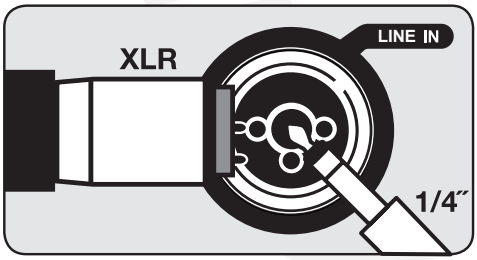
XLR/¼˝ Combo Mic In Jack

The Mic In port is designed for balanced and unbalanced mic signals. When you use an unbalanced ¼˝ TS plug, the line input automatically turns the ring into ground.



XLR/¼˝ Combo Line In Jack

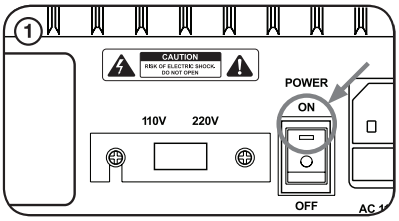
The Line In port accepts signals from a variety of sources such as keyboards, electronic drums, mixers, etc. When you use an unbalanced ¼˝ TS plug, the line input automatically turns the ring into ground. Please do not plug microphones into line input as it will have poor sound quality. Use the Mic In port for microphones.

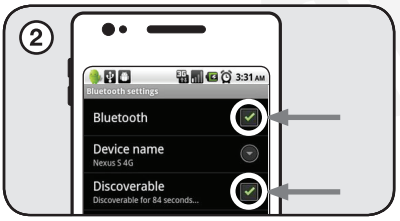


Bluetooth Pairing

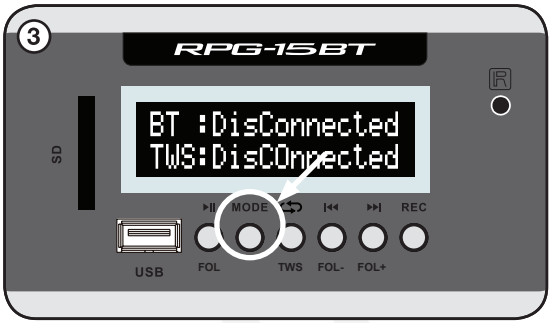
To connect your iPod, iPhone, MP3 player, Android phone or any other Bluetooth capable device follow the steps listed below. Diagrams on the next page.

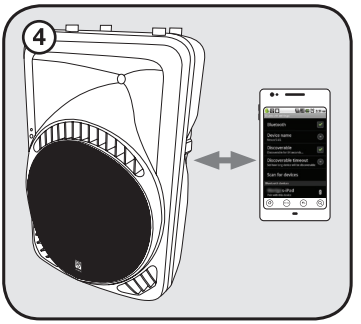
1. Make sure the RPG BT V2's power switch is in the ON position.
2. Turn-on your device's Bluetooth mode and ensure that it is in "discoverable" mode.
3. Push the Mode button on your RPG BT V2 until you are in Bluetooth mode.
4. Once in Bluetooth mode, look for "ROCKVILLE" on the list of available devices and select it.
5. If pairing is successful, you will see the words BT: Connected on the display screen.
6. If you have problems pairing your device please check the troubleshooting guide.

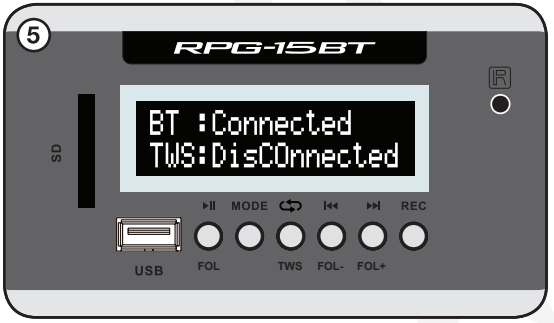




Bluetooth Pairing (continued)





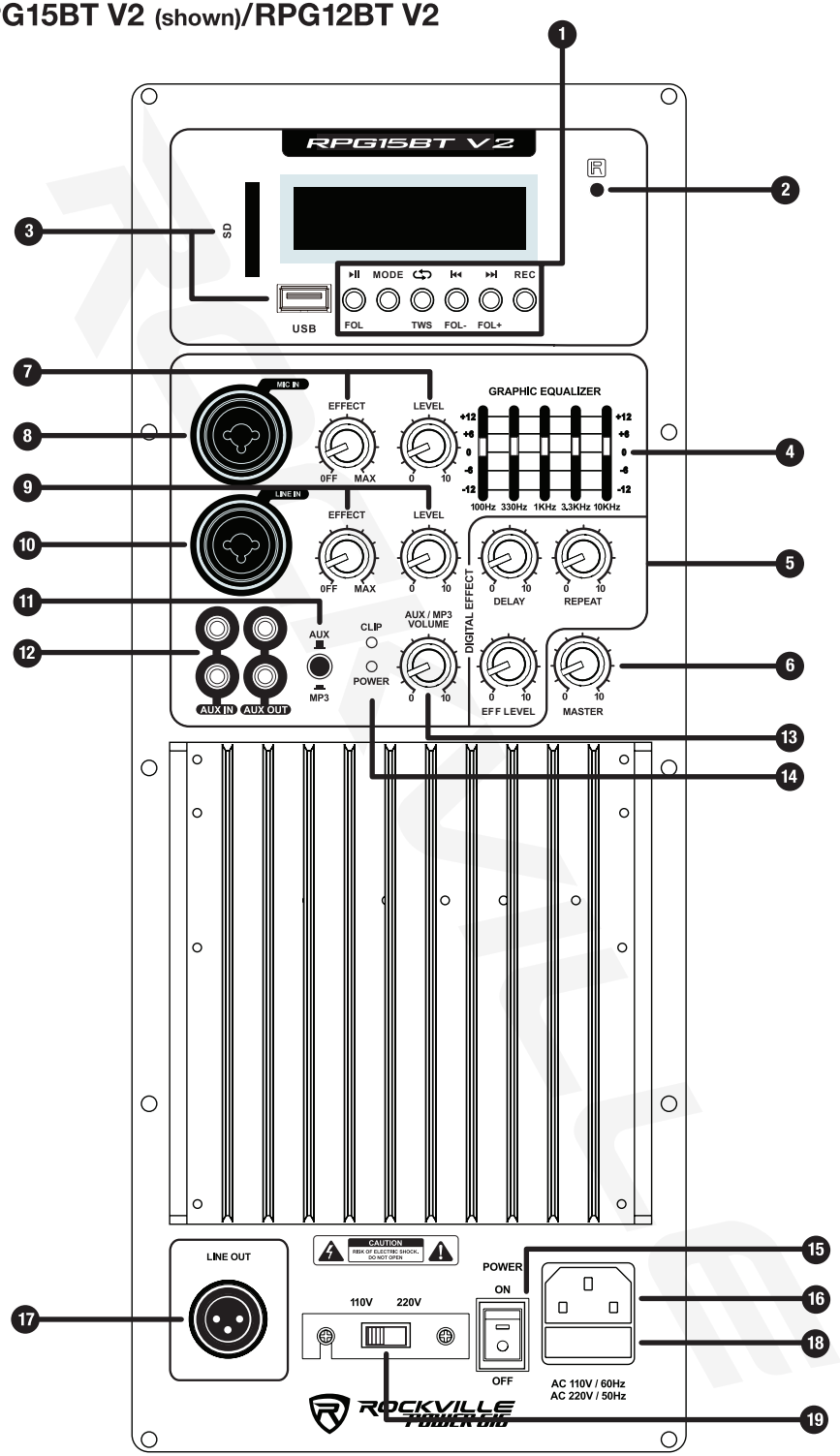


Record Function

These RPG-BT V2 speakers feature a record function which allows you to record the signal from any of the inputs to a USB flash drive or a an SD card.

1. Make sure you have a USB flash drive or an SD card with sufficient space. Plug the storage device to the corresponding port.
2. When you are ready to start, press the record button on the MP3 module or on the remote control.
3. Press the record button again when you are ready to stop. If using the remote control, you can also use the STOP button.
4. To listen to your recordings, use the playback controls on the MP3 module.

RPG15BT V2 (shown)/RPG12BT V2



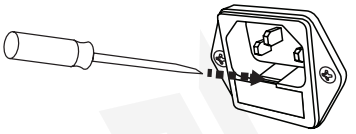
1. MP3 Player controls.
   - Press Play button once to play track, press again to pause.
   - Mode control switches between input modes: Bluetooth, USB, and SD/MMC
   - Repeat button/TWS button: Press once to repeat single track, press again to repeat all tracks, press once to turn off repeat mode. Press and hold for TWS mode.
   - Previous/Next track buttons also serve to access folders on USB/SD input. For track control quickly press buttons. For folder access press and hold buttons.
   - Record button allows you to record input back to your USB drive or SD/MMC card.
2. IR remote sensor
3. USB and SD/MMC Card input
4. 5 band graphic equalizer. Adjust frequencies to +/-12dB
5. Digital delay effect (echo) control panel.
   - The Repeat knob controls the rate of the delay.
   - The Delay knob controls the time interval of the delay.
   - The Level knob adjusts the mix level of the effect sound.
6. Master volume control knob.
7. Digital Effect and Level control knobs for Mic In port.
8. Combo XLR/¼″ Mic input port: The Mic In port is designed for balanced and unbalanced mic signals. When you use an unbalanced ¼″ TS plug, the line input automatically turns the ring into ground.
9. Digital Effect and Level control knobs for Line In port.
10. Combo XLR/¼″ Line input port: The Line In port accepts signals from a variety of sources such as keyboards, electronic drums, mixers, etc. When using an unbalanced ¼″ TS plug, the line input automatically turns the ring into ground. Please do not plug microphones into the line input as it will have poor sound quality. Use the Mic In port for microphones. To use wireless mics connect them into the Line input of your mixer.
11. Auxiliary/MP3 input selector switch.
12. Pre-Amp RCA input/output jacks.
13. Auxiliary/MP3 input/output volume control.
14. Amplifier Clip limit LED indicator and Power LED indicator.
15. Power switch
16. IEC AC power socket
17. XLR Line Out
18. Fuse compartment
19. Variable voltage selector switch (110v/220v)

Troubleshooting

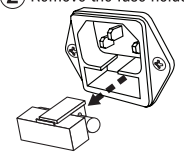
PROBLEM	SOLUTION
No power	1. Make sure the unit is plugged in and the power switch is in the ON position. 2. Check that the power cable is plugged in tightly to the unit. 3. Check and replace the fuse if necessary. See fuse replacement diagram on the next page. 4. If people or equipment tend to step and roll over or stretch your power cable it can get damaged. Always try a second cable to test for shorts in original cable. Dispose of original damaged power cables immediately.
No sound/ distorted sound	1. Check that all appropriate cables are plugged in correctly. 2. Check the Volume/Levels settings. Refer to the "Setting Level Controls" section of this manual for instructions on how to properly adjust the input level controls (gains). 3. Be sure your microphone is on and plugged into the correct input. 4. If using a mixing console make sure fader and balance are set to center positions and levels are increased. Make sure the mixer is plugged into the correct input. 6. If volume and Treble/Bass settings are maxed out, turn one of them down as you may be over driving the unit. 7. Check volume and gain settings on all input sources.
Buzzing sound	Make sure you are using a proper cable. For ¼˝ cables, there are 3 types: instrument, TS (unbalanced), and TRS (balanced). The RPG BT V2 models accept both TS and TRS ¼˝ cables. Check the requirements of the connected gear and make sure you are using the appropriate cable.
Mic feedback	Point the mics away from the speaker. Make sure the mics are in back of the speaker, not in front of it.
Poor Mic sound	1. Make sure you are using the Mic In ports. 2. If using wireless mics connect them into the Line input of your mixer.
Bluetooth/TWS pairing fails	1. Check to see that both devices are turned on and that your Bluetooth device is discoverable. 2. Turn both devices off and then on again. 3. Make sure you've selected the proper source. 4. Make sure that the Bluetooth device is within 5 feet of the unit. 5. Move both devices away from other Bluetooth devices, microwaves, wireless routers, and other electronics. 6. Make sure that the unit is not paired to a previously paired device or to another speaker.
No SD or USB playback	1. Make sure you've selected the proper source. 2. Make sure that the SD card and USB drive do not exceed the maximum capacity of 64GB.

Fuse Replacement

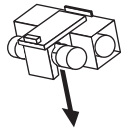
1. Use a screwdriver to release the fuse holder.



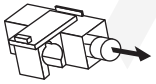
2. Remove the fuse holder.



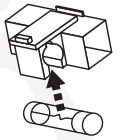
3. Remove the blown fuse.



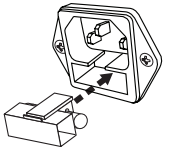
4. Remove the spare the fuse.



4. Replace the fuse.



5. Re-insert the fuse holder.



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Features

RPG15BT V2/RPG12BT V2

- Power Ratings:
  RPG15BT V2 - 1000 Watts Peak/500 Watts Program/250 Watts RMS
  RPG12BT V2 - 800 Watts Peak/400 Watts Program/200 Watts RMS
- Frequency Response:
  RPG15BT V2 - 35Hz – 20KHz
  RPG12BT V2 - 40Hz – 20KHz
- Maximum SPL @1w/1m:
  RPG15BT V2 - 128dB peak/125dB continuous
  RPG12BT V2 - 125dB peak/122dB continuous
- Bluetooth (v5.0) signal input. Now you can input any audio signal from your Bluetooth enabled music player or phone. No cables necessary!
- Built-in TWS wireless speaker to speaker linking (link two RPG units wirelessly for stereo playback)
- USB/SD digital MP3 music player. Input audio signals, special effects, any pre programmed audio file and amplify it through your system.
- Digital MP3 recorder. Now you can actually record back to your USB or SD memory card all audio that passes through your RPG BT V2. Do a show and record it live!
- Wireless remote control. Enjoy the added convenience of being able to adjust any of the MP3 player functions, including volume, from the included wireless remote.
- Digital signal processor for “Delay / Echo” effect. Now you can time align your digital echo effect and control the echo delay, repeat interval and level. No external signal processing unit necessary, the digital effect is built in with lots of control capabilities.
- LCD screen displays MP3 functions including BT connectivity.
- High-power 2-way pro sound reinforcement speaker system for live sound and playback applications.
- Compact and light weight system delivers distortion free sound even at extreme SPL.
- Linear Class AB amplifier technology: high power, transparent sonic performance.
- Internal switch-mode power supply for low distortion audio with superior transient response.
- 5-Band Graphic Equalizer allows you to custom tailor your sound to your venue by boosting and cutting specific frequencies to improve sound quality and clarity.
- State-of-the-art 1.75″ Japanese made pure titanium-diaphragm compression driver for crystal clear high-frequency reproduction.
- Ultra-wide dispersion, 40° large-format horizontal wave guide horn molded directly into cabinet.
- Ultra-low noise separate Mic and Line inputs via combo XLR & ¼″ ports with independent level and effect controls.
- Both combo jacks accept balanced and unbalanced ¼″ signals.
- XLR line out port.
- Line RCA input with separate Volume adjustment.
- Additional RCA line output for linking of additional components.
- Versatile trapezoidal enclosure design allows different positioning.
- Stand mounting with 35mm pole socket.

- Tilts on its side for use as a floor monitor.
- Ergonomically shaped side handle for easy carrying and setup.
- Built-in wheels and retractable top handle for increased portability and transport convenience.
- High-quality components and exceptionally rugged high impact ABS construction.
- Amplifier clip limit LED indicator & power LED cabinet rear.
- Front display power meter Blue LED.
- 110/220 Volt switchable power supply with external user serviceable fusing.

ROCKVILLE

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

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

Hereby declares that the product(s) RPG BT V2 Bluetooth pro audio speakers comply 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 to 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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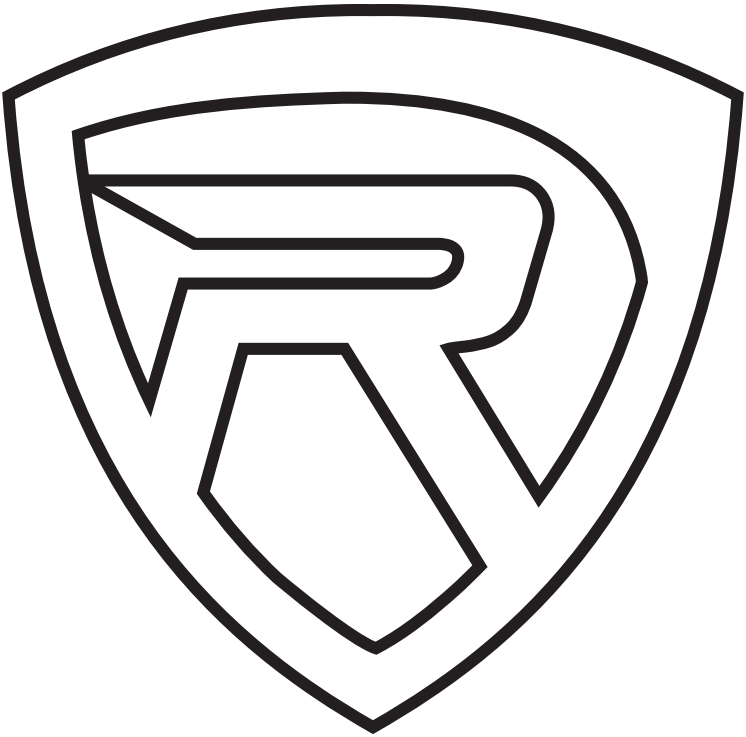

RockvilleAudio.com

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