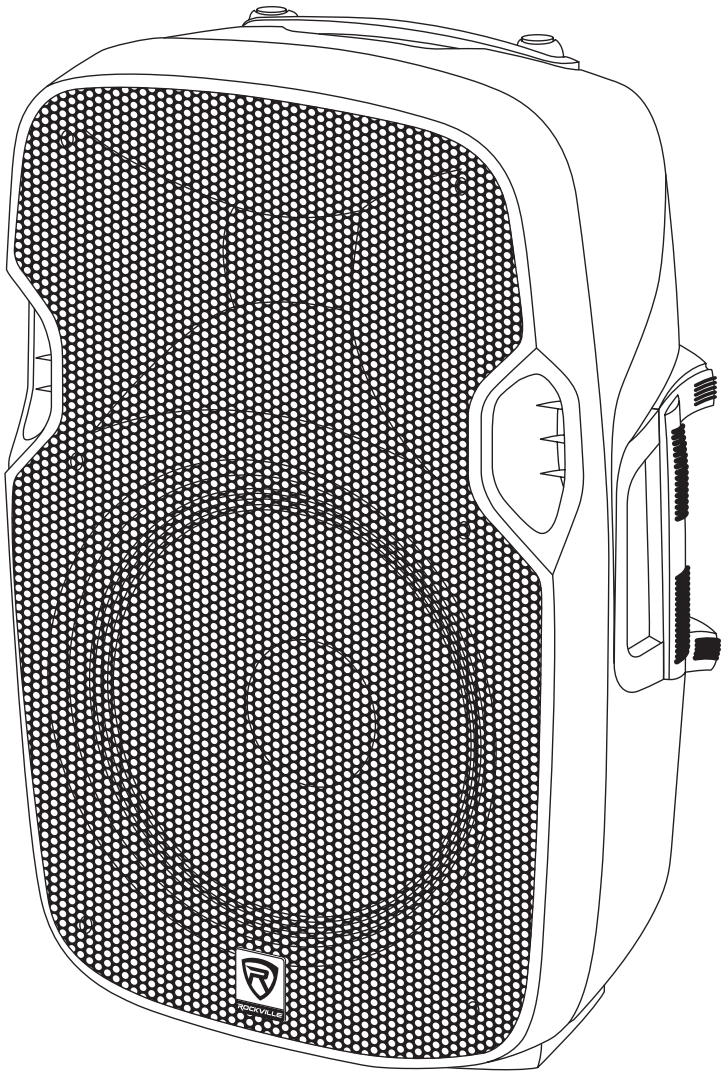
ROCKVILLE



BPA10 OWNER'S MANUAL

BPA SERIES

ACTIVE DJ/PA SPEAKERS WITH BLUETOOTH

Thank you for purchasing this Rockville BPA10 10˝ Active DJ/PA Speaker with Bluetooth.

This BPA10 speaker comes to the market as a result of one full year of intensive research and development. We went out and bought 5 models of great sounding PA speakers and put our engineers, purchasers, and designers to work to see if we could build something as good as the higher end brands for the price of the cheaper ones. One year later the BPA series was born!

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 BPA series pro audio speaker. Should you need technical assistance please call our technical help line at 1-646-758-0144, Monday through Friday, 9am to 5pm EST.

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.
- Please ensure that the unit is situated in a properly ventilated area.
- Make sure the unit is placed on a level and stable surface.

SPECIFICATIONS

- 100 Watts RMS / 200 Watts Program Power / 400 Watts Peak
- Frequency Response: 20Hz-20KHz
- Maximum SPL @1w/1m: 102dB peak / 100dB continuous

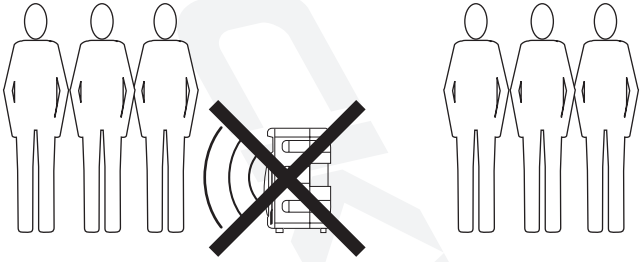
FEATURES

- Bluetooth signal input of up to 32 feet. Now you can input any audio signal from your Bluetooth enabled music player or phone. No cables necessary!
- USB/SD digital MP3 music player. Input audio signals, special effects, any preprogrammed audio file and amplify it through your system.
- 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.
- Built-in LED screen displays MP3 functions inlcuding BT connectivity.
- High-power 2-way pro sound reinforcement speaker system for live sound and play back applications.
- Compact and light weight system delivers distortion free sound even at extreme SPL.
- Linear Class AB amplifier technology ensures high power, transparent sonic performance.
- Internal switch-mode power supply for low distortion audio with superior transient response.
- Built-in bass and treble equalization processor for ultimate system control and speaker protection.
- High power long-throw 10″ woofer with 1.5″ KSV voice coil provides incredibly deep bass and acoustic power.
- State-of-the-art 1″ pure titanium-diaphragm compression drive for crystal clear high frequency reproduction.
- Ultra-wide dispersion, 45° large-format horizontal wave guide horn molded directly into cabinet.
- Built-in high quality crossover to filter out unwanted frequencies.
- Ultra-low noise Mic/Line input via XLR & 1/4″ TRS stereo jacks with volume control.
- Line RCA, XLR, and 3.5mm input with separate volume adjustment.
- Additional XLR line output to connect multiple speakers or to connect to a mixer.
- Stand mounting with 35-mm pole socket.
- Flyable.
- High-quality components and exceptionally rugged high impact ABS construction.
- Amplifier clip limit LED indicator & power LED cabinet rear.
- Built-in FM radio with 10 presets and US/European tuning.
- 110/220 Volt switchable with external user serviceable fusing.
- Item actual dimensions: 12.41″ (L) x 11.5″ (W) x 19.31″ (H)
- Item actual weight: 18.48 LBS

Setting Up Your BPA Sound System

Your BPA series speaker 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 RVSS-2 (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 BPA series speakers. 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.



APPLICATION USES
Microphone Presentations

Your BPA unit features a balanced microphone input accessible via XLR or ¼″ TRS input.

1. Make sure the BPA unit is turned OFF.

2. Plug your microphone into the ¼″ TRS or XLR jack. **NEVER USE BOTH PORTS AT ONCE.** Make sure the LINE/MIC selector switch is set to MIC.

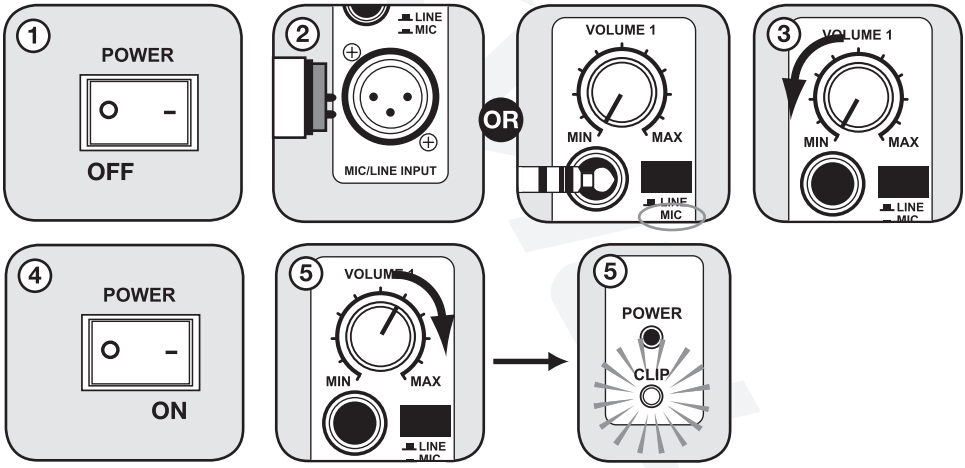
3. Turn Mic/Line input volume to MIN position.

4. Switch ON the BPA unit.

5. Slowly turn Mic/Line input volume in clockwise rotation until you achieve appropri ate gain setting. This is determined by the CLIP LED indicator light. Proper function is achieved when the CLIP indicator lights up at peak levels, it should never be in constant on position.

The above adjustment matches the microphone preamp to the input gain of the BPA unit.

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



Line Input Feature

You can use the Line Input function when you wish to hook up an additional stereo signal source: Mixers, Keyboards, CD players, DVD music players, MP3 players etc. can be plugged directly in to the 3.5mm labeled AUX INPUT or RCA jacks labeled LINE INPUT.

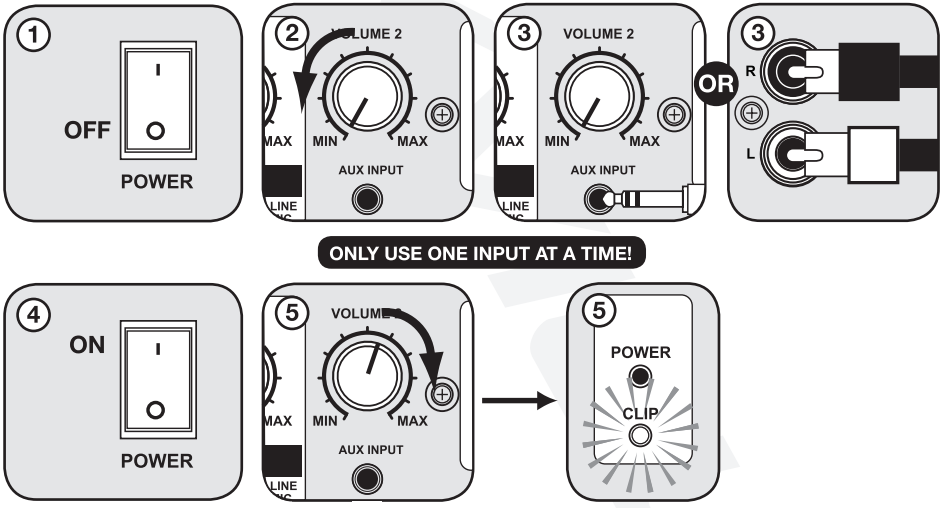
1. Make sure the BPA unit is turned OFF.

2. Turn Line Input volume to Min position.

3. Connect the music source unit to the 3.5mm input or RCA jacks labeled Line Input. **ONLY USE ONE INPUT AT A TIME.**

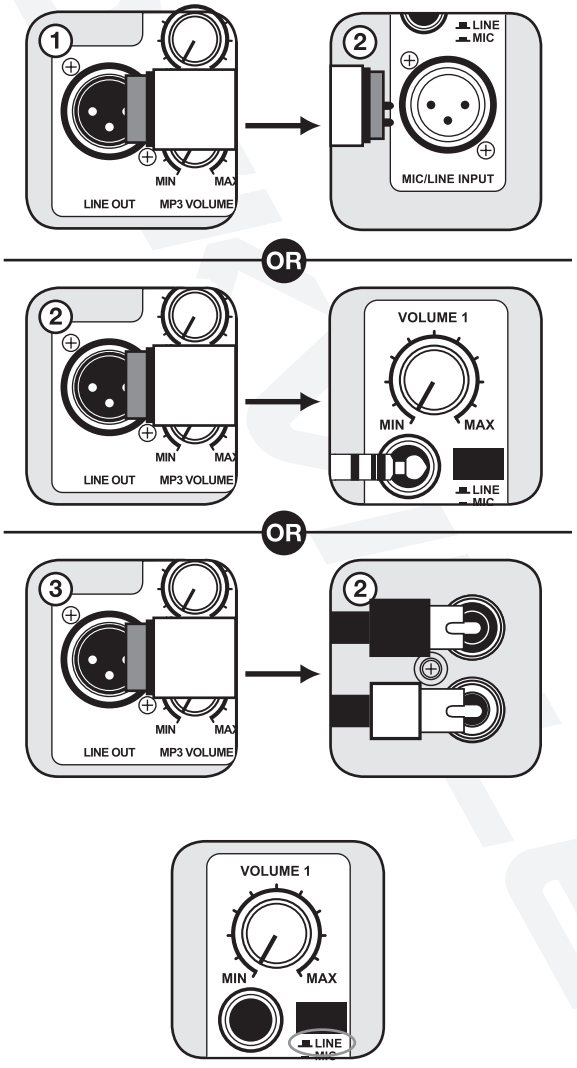
4. Switch ON the BPA unit.

5. Slowly turn the Volume 2 control clockwise 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.



Line Out Balanced Connection.

The XLR jack marked Line Out allows for daisy chaining of signals from one BPA unit to another. Simply attach an XLR to XLR, XLR to RCA, or XLR to ¼˝ TRS cable between the two units to share signals. The input into BPA unit #2 should go to the MIC/LINE INPUT XLR (1) or MIC/LINE INPUT ¼˝ TRS (2) jack or the LINE INPUT RCA (3) input. **When using the MIC/LINE INPUT ¼˝ TRS or XLR jacks, be sure the LINE/MIC selector switch is set to LINE.**



Public Address / Concert Mixer Setup

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.

To connect a mixing console begin by.

1. Turning your BPA unit OFF.

2. Turn MIC/LINE INPUT Volume to MIN position.

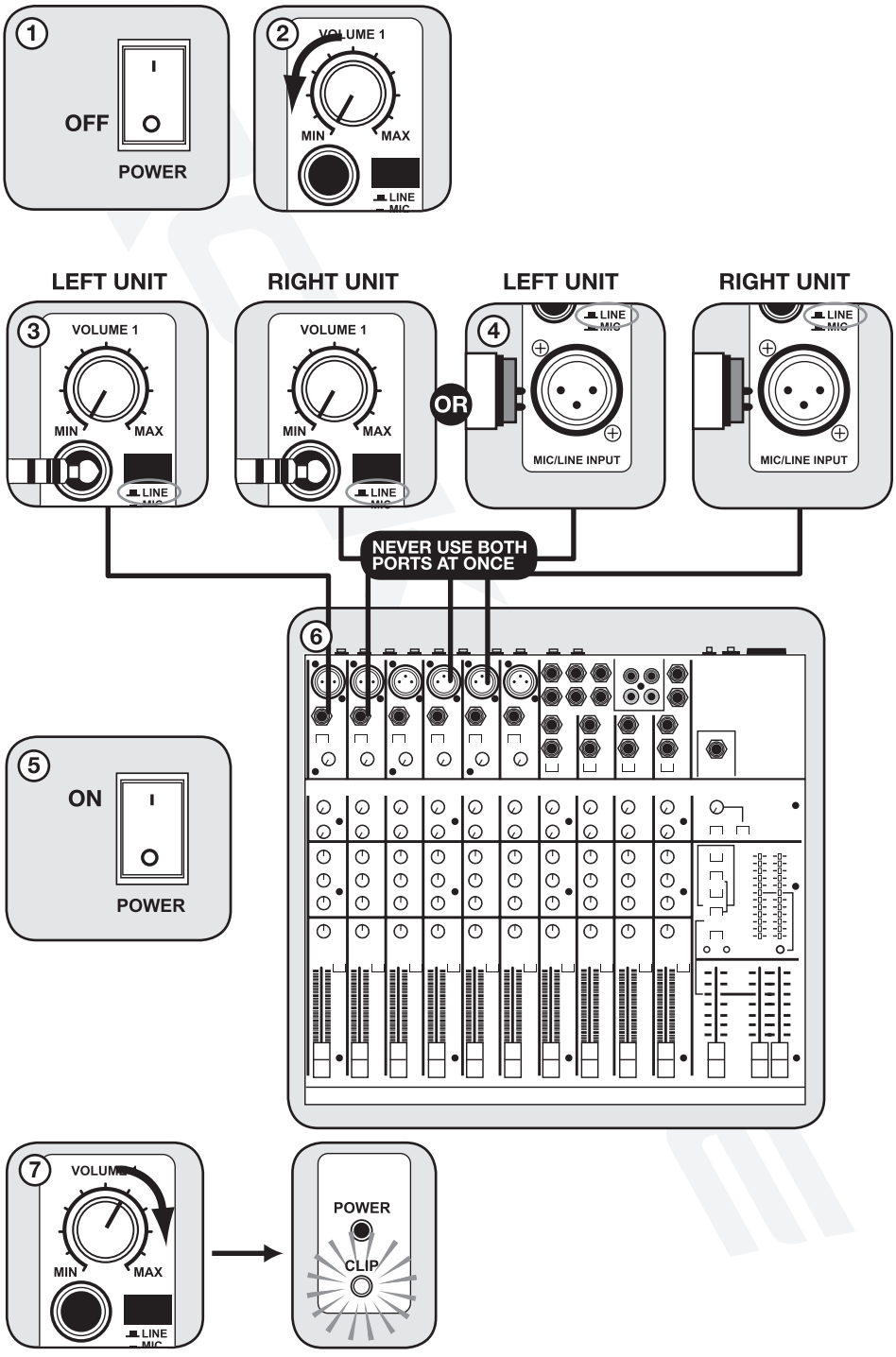
3. Connect the LEFT/RIGHT OUTPUT of the mixer to the 1/4″ TRS MIC/LINE INPUT connection of your Left/RIght BPA unit. Make sure the LINE/MIC selector switch is set to LINE.

4. Connect the LEFT/RIGHT OUTPUT of mixer to the XLR MIC/LINE INPUT connection of your Left/Right BPA unit. Make sure the LINE/MIC selector switch is set to LINE.

5. Switch ON your BPA unit.

6. Slowly raise the level of the mixer output to the 0dB level position.

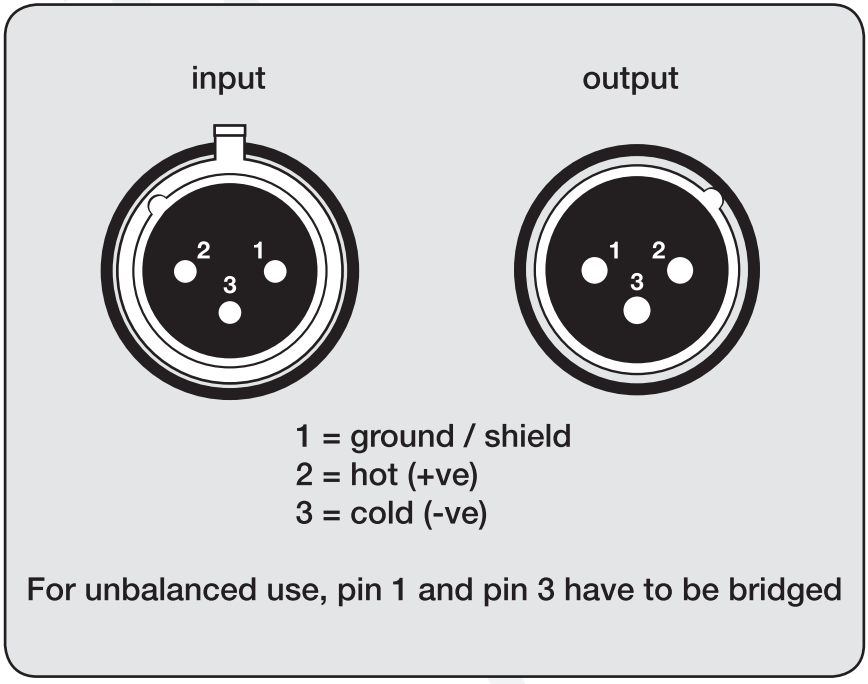
7. Slowly turn the MIC/LINE INPUT volume control clockwise until the CLIP LED indicator begins to blink, then turn it down slightly. This indicates the maximum input voltage gain is matched and set properly.


1
OFF
POWER
2
VOLUME 1
MIN
MAX
LINE
MIC
LEFT UNIT
RIGHT UNIT
LEFT UNIT
RIGHT UNIT
3
VOLUME 1
MIN
MAX
LINE
MIC
VOLUME 1
MIN
MAX
LINE
MIC
OR
4
LINE
MIC
MIC/LINE INPUT
LINE
MIC
MIC/LINE INPUT
NEVER USE BOTH
PORTS AT ONCE
6
5
ON
POWER
7
VOLUME 1
MIN
MAX
LINE
MIC
POWER
CLIP

Installation

The XLR inputs and outputs of this BPA unit are fully balanced. To maximize interference compensation we recommend establishing balanced connections to other equipment whenever possible.

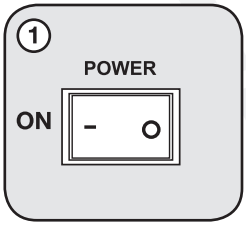
Balanced use with XLR connectors



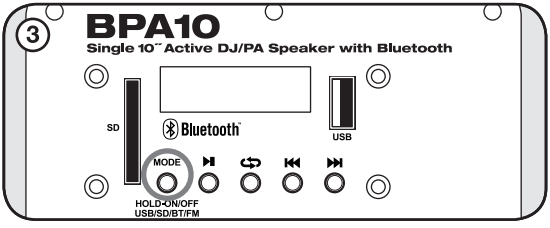
Bluetooth Pairing

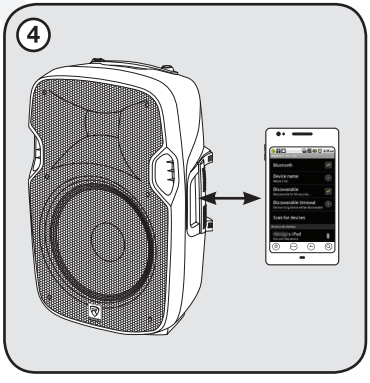
To connect your iPod, iPhone, MP3 player, Android phone or any other Bluetooth capable device follow the steps listed below.

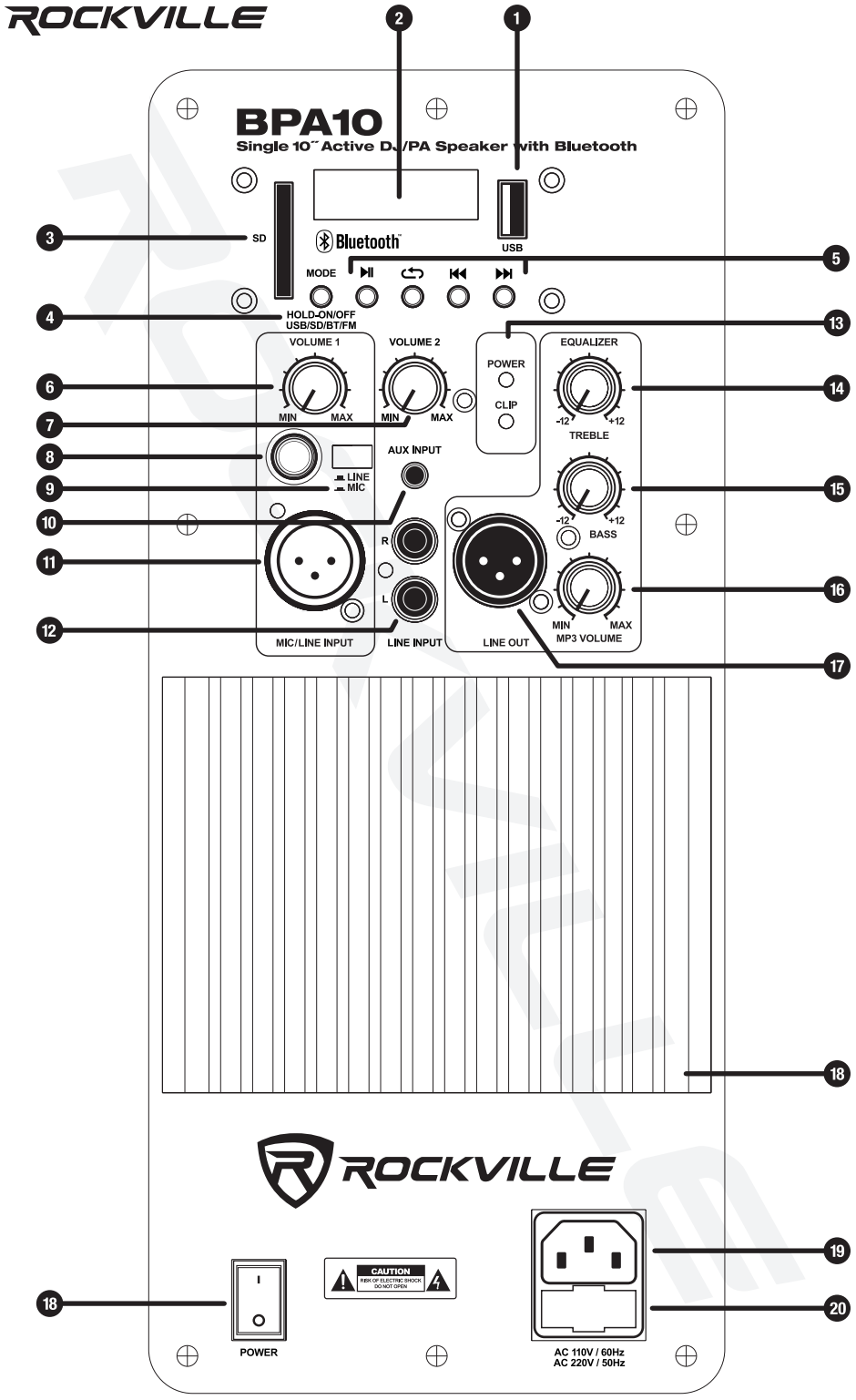
1. Make sure the BPA's power switch is in the ON position.
2. Turn-on your device's Bluetooth mode and ensure that it is in "discoverable" mode.
3. Push the Mode button on your BPA until you are in Bluetooth mode.
4. Once in Bluetooth mode, look for "ROCKVILLE" on the list of available devices and select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










ROCKVILLE
BPA10
Single 10" Active DJ/PA Speaker with Bluetooth
SD
Bluetooth
USB
MODE
HOLD-ON/OFF
USB/SD/BT/FM
VOLUME 1
MIN
MAX
VOLUME 2
MIN
MAX
POWER
CLIP
EQUALIZER
-12
+12
TREBLE
AUX INPUT
LINE
MIC
-12
+12
BASS
R
L
MIN
MAX
MP3 VOLUME
MIC/LINE INPUT
LINE INPUT
LINE OUT
ROCKVILLE
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
POWER
AC 110V / 60Hz
AC 220V / 50Hz
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
18
19
20

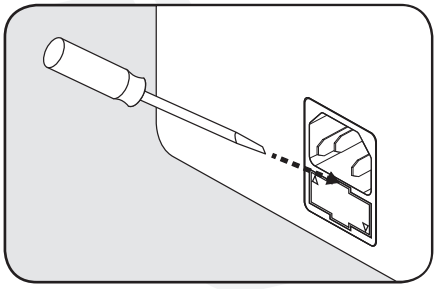
1. USB input
2. LED screen
3. SD input
4. Mode control button: Push and hold to power unit ON/OFF. Push to switch between modes (USB/SD/BT/FM)
5. Play/Pause, Repeat, Rewind (Previous station in FM mode), Fast Forward (Next Station in FM mode. Press and hold to activate automatic station search/store function).
6. Mic/Line Input volume control
7. Line Input / Auxillary Input volume control
8. 1/4˝ Blanced TRS Line input
9. Line/Mic selector switch
10. 3.5mm auxillary input
11. Balanced XLR Mic input
12. RCA line input
13. Power/Clip LED indicators
14. Treble control, -12 to +12
15. Bass control, -12 to +12
16. MP3 volume control
17. Balanced XLR line out
18. Power switch
19. IEC AC power socket
20. Fuse compartment

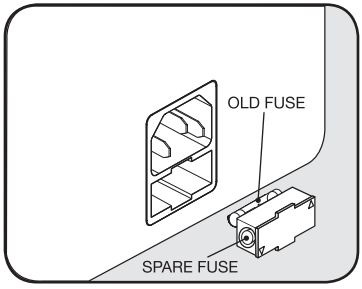
ROCKVILLE

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 facing 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 Master Volume settings. 3. Be sure Volume and Gain of appropriate channels are set above 0 level and matched correctly. 4. Be sure your microphone is on. 5. If using a mixing console make sure fader and balance are set to center positions and levels are increased. 6. If volume and EQ settings are maxed out, turn one of them down as you may be overdriving the unit.
Buzzing sound	Make sure you are using a proper cable. For ¼˝ cables, there are 3 types: instrument, TS (unbalanced), and TRS (balanced). Check the requirements of the connected gear and the input of the speaker and make sure you are using the appropirate 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 port. 2. If using wireless mics connect them into the Line input of your mixer.
Bluetooth 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, micro-waves, wireless routers, and other electronics. 6. Make sure that the unit is not paired to a previously paired device.
No SD or USB playback	1. Make sure you've selected the proper source. 2. Make sure that the audio files are in the specified format.

Fuse Replacement Diagram





FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

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

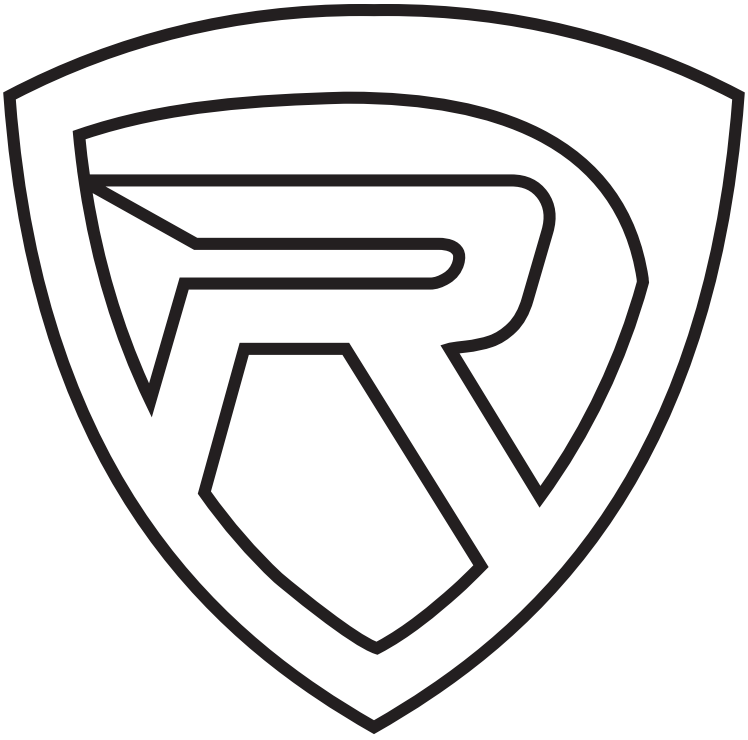
Hereby declares that the product(s) BPA10 10˝ pro audio speakers comply with FCC rules as mentioned in the following paragraph:

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 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.

ROCKVILLE



RockvilleAudio.com

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