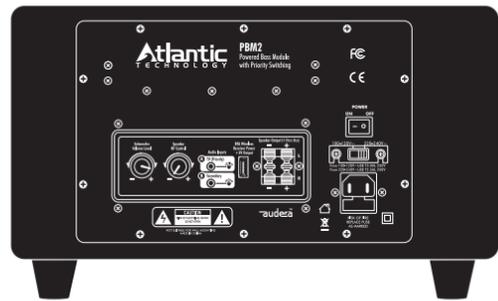


PBM2 Powered Bass Module with Priority Auto-Sensing



Instruction Manual

PBM2 Powered Bass Module with Priority Auto-Sensing

Congratulations on your new Atlantic Technology PBM2. The PBM2 features some innovative features not typically found on a powered subwoofer. Please read this set up guide to be sure of trouble free operation.

Priority Auto-Sensing (PAS) and Source Selection

The PBM2 has a Priority Auto-sensing circuit that will allow you hands-free operation. It works by looking for a signal on the "A" or "priority" input. Any time there is audio going to the A input the PBM2 will select that input. In addition the PBM2 has a delay before switching from the "A" input to the "B" input. This is to ensure the PBM2 does not switch during loading screens, quiet passages during films, any delays in streaming content or the quiet pause before a commercial break. The delay is approximately 15-20 seconds long.

If you want to use the "B" input, you should either mute or turn off the device plugged into the "A" input.

If you are sending audio to the "B" input and you wish to switch to the "A" input simply unmute or turn on the second audio device. The PBM2 will instantly switch back to the "A" input.

Controlling the Volume Level

To further simplify operation the PBM2 does not have a main volume control. Instead you can use the TV or mobile device volume control.

Bass and Treble

The PBM2 has a bass volume control and a high frequency level control. We realize not every room will sound the same and not every person has the same taste in how their system sounds. To balance the bass first use a good music source. Now turn the volume on the mobile device or TV up to slightly above your normal listening levels. Now use the Bass knob on the back of the PBM2 to increase or lower the bass from the subwoofer. Now you can turn down the volume using the TV remote or your phone/tablet.

The high frequency level control allows you to adjust the treble of your left and right speakers. The control will alter the output from about 10k up. You can increase or decrease the treble by as much as 5db.

To maximize the bass output, check out the Atlantic Technology website in the learning center for "speaker placement guide"

Speaker Output

In addition to the 130 watt subwoofer amp, the PBM2 also features a two channel 40w amp to power a pair of speakers like the LCR2 or LCR3. These speakers should have an impedance of no less than 4 ohms.

Blue Tooth

The PBM2 also includes an optional BTR Bluetooth receiver. The amp features a convenient 5v USB connection for the BTR. Do not use this to charge mobile devices or connect to a computer as damage may result to one or more device.

To use the BTR simply plug the BTR into the PBM2 amp and use the supplied right angle 3.5mm to 3.5mm connection. The device should appear as "Atlantic Tech BTR" in the pair menus on your mobile device.

Connections

We have included a variety of connection options. Please examine the connections diagram for more information.

Specifications

- Bass Driver: 6.9" composite Poly/paper
- Subwoofer Amp: 130 watts into 4 ohms
- Distortion: <0.4%
- Frequency Response: 35hz to 200hz
- HF Control: ±5db @20k, ±3db @15k
- Speaker Output: 40w x2 into 4 ohms
- Inputs: 2x 3.5mm analog
- Dims: 15" x 7.75" x 9" (381mm x 196mm x 228mm)
- Weight: 13 pounds (5.9 kg)

Safety Precautions



CAUTION: To reduce the risk of electric shock, do not remove the cover (or back). No user serviceable parts inside. Refer to qualified personnel.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. This device generates a fair amount of heat. Make sure nothing blocks the ventilation to the rear panel of the unit.



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating maintenance (servicing) instructions in the literature accompanying the appliance.

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Specifications are those in effect at the time of printing. Atlantic Technology International, Corp. reserves the right to change specifications or designs at any time without notice without obligation to modify existing units.

FCC Compliance

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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:

- 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.

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

Package Content

Your PBM2 Powered Bass Module ships with this Instruction Manual and the following items:

- 1x AC cord
- 2 x 3' RCA to 3.5mm Cable
- 2 x 16' 16AWG Speaker Wire
- 1 x 3.5mm to 3.5mm Cable Straight
- 1 x 3.5mm to 3.5mm Cable with 90° Angle (for Connecting the BTR)
- 1 BTR Bluetooth Receiver

NOTE: Please contact Customer Service if any of these items are missing.

Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when used for long periods of time.
- Refer all servicing to qualified services personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Adjust only those controls that are covered by

the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation.

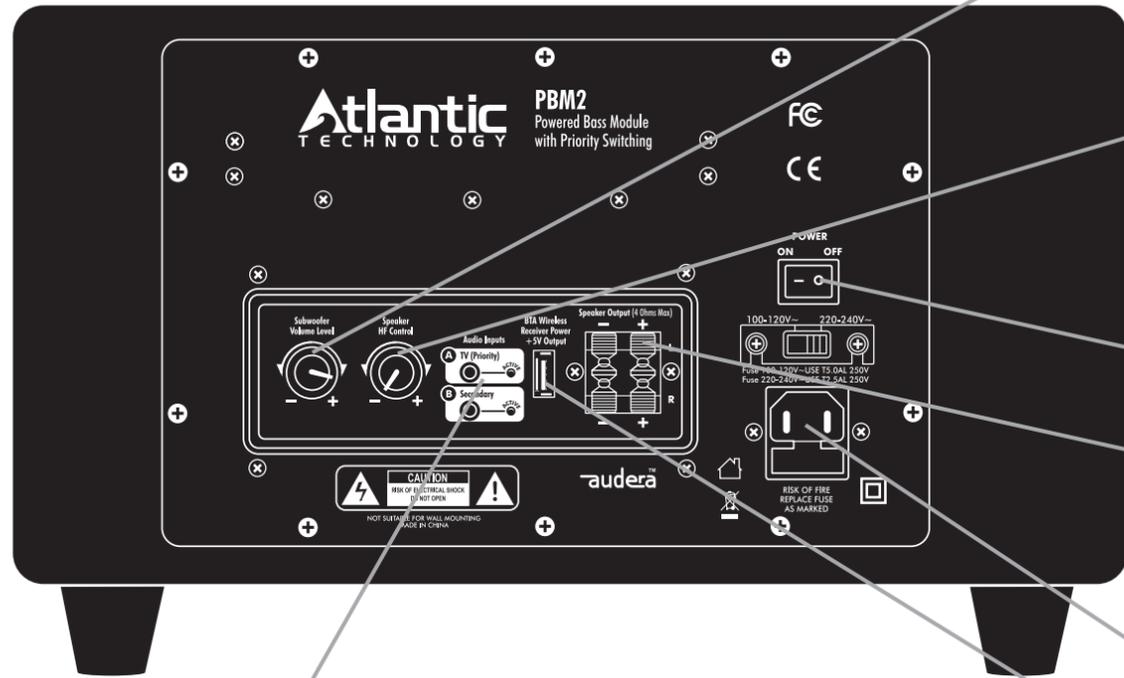
- Damage Requiring Service. Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions: When the power-supply cord or plug is damaged; If liquid has been spilled, or objects have fallen into the apparatus; If the apparatus has been exposed to rain or water; If the apparatus does not operate normally by following the operating instructions; If the apparatus has been dropped or damaged in any way, and; When the apparatus exhibits a distinct change in performance this indicates a need for service.
- Object and Liquid Entry. Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus. Don't put candles or other burning objects on top of this unit.
- The power supply and power cord for this apparatus is intended for indoor use only.
- Only use the included A/C adaptor

Troubleshooting Guide

Once your subwoofer is set up, you should have many years of maintenance free enjoyment from your system. However, if you should encounter a problem, refer to the following guide to help you find the solution. If a problem persists, you should contact your local authorized Atlantic Technology dealer.

Problem	Solutions
PBM2 LEDs are not lit.	a. Check power cord is correctly plugged in to the wall and the unit. b. Turn the PBM2 on.
PBM2 has no output, LEDs are green.	a. Check the source for mute or volume level. b. Check speaker connections at both the PBM2 and the speakers.
PBM2 is on, LED is green and source is OK, but there is no bass.	a. Check the bass volume control on the PBM2.

Connections and Configurations



1. Subwoofer Volume Level Control.
Use this control to balance the amount of bass output from the subwoofer with your left and right speakers. If you can hear voices coming from the subwoofer the bass level may be a bit too high.

2. High Frequency Control.
Use this control to increase or reduce the high frequency response of your left and right speakers. This will allow you to increase or decrease the treble from 10k to 20k by as much as ± 5 db.

3. Power Switch.

4. Speaker Connections.
Use the included speaker wire to connect two speakers to the PBM2. Your speakers should be no lower than 4 ohms.

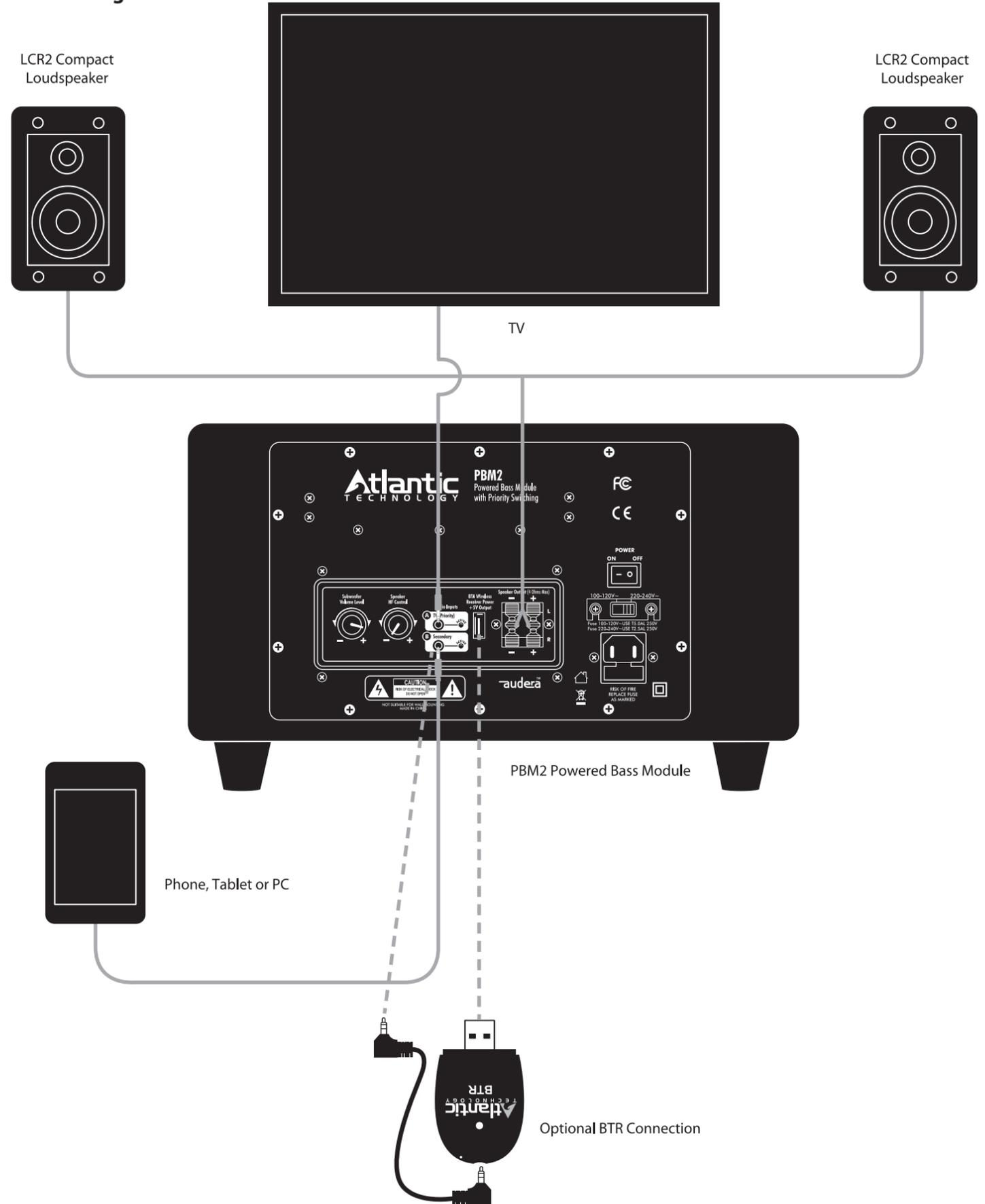
5. AC Cord Connection.

6. BTR 5 Volt Power Supply.
Only use this connection for the included BTR Bluetooth receiver.

7. Inputs and Status LED.

The PBM2 has two inputs labeled A and B. A input is PAS enabled. This is the primary input for the PBM2. Any time there is a signal on the A input the PBM2 will play that signal. If you are using input B for a second source such as a tablet or phone, the PBM2 will only switch to the B input when two conditions are met: the input on A is turned off and a 15 - 20 second delay has passed. This feature is designed for streaming content and quiet moments during commercials. Each input has a status LED that will illuminate green when the input is active.

Connecting Your PBM2



Limited Warranty

This warranty protects the owner of the Atlantic Technology PBM2 Powered Bass Module (the PRODUCT) for one (1) year from the date of purchase. This warranty covers all defects in material and workmanship with the following specific exceptions. These are:

- Damage caused by improper installation or adjustment
- Damage caused by accident, unreasonable use or neglect
- Damage from failure to follow instructions contained in this Instruction Manual
- Damage occurring during shipment
- Damage from the performance of repairs by someone not authorized by Atlantic Technology
- Any unit on which the serial number has been effaced, modified, or removed
- Units which have been altered or modified in design, appearance or construction.

This warranty covers only the actual defects within the PRODUCT itself. IT DOES NOT cover costs of installation in (or removal from) a fixed installation, or normal setup, claims based on any misrepresentation by the seller, or performance variations resulting from installation related circumstances such as signal quality, AC power or incompatibilities with speakers and/or other system components.

During the warranty period, Atlantic Technology will, at its option, either repair the defect, or replace the defective product, or the defective parts, or components thereof at no charge to the owner for parts and labor covered by this warranty. If necessary repairs are not covered by this warranty, or if a unit is examined which is not in need of repair, you will be charged for the repairs and/or the examination. If non-warranted repairs are needed, we will notify you of the estimated cost and ask for your authorization to perform said repairs.

You must pay shipping charges incurred in getting your Product to the factory. We will pay the return shipping charges if the repairs are covered by the warranty. Please save the original shipping cartons, as the unit MUST be returned in the original carton and packing. (Replacement cartons are available at a modest charge.)

If your product needs service, please call Atlantic Technology at 781-762-6300.

You will need to present the original bill of sale to establish the date of purchase. In the event that the proof of purchase cannot be established with the original receipt, the warranty period shall be determined by the earliest date of manufacture shown on the unit.

In the event that you wish to return your Atlantic Technology Product back to us, for any reason, please call to arrange for a Return Authorization Number. This will ensure that your problem is discussed with a service technician who will determine if there is a quick solution to your problem. Atlantic Technology shall not be liable for, in any way responsible for, any incidental or consequential damages of any kind. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of incidental or consequential damages; therefore, the limitations and exclusions stated herein may not apply to you. This warranty gives you specific legal rights; and you may also have other rights that vary from state to state.

THERE ARE NO WARRANTIES GIVEN BY ATLANTIC TECHNOLOGY THAT EXTEND BEYOND THE DESCRIPTION GIVEN HEREIN. ANY IMPLIED WARRANTIES OF FITNESS FOR PURPOSE SOLD, MERCHANTABILITY, DESCRIPTION, QUALITY OR ANY OTHER MATTERS ARE LIMITED TO THE TERMS OF THE EXPRESSED LIMITED WARRANTY STATED HEREIN.

Products are sold on the basis of specifications applicable at the time of sales. Atlantic Technology shall have no obligation to modify products once they have been sold. This warranty is applicable only in the United States. For applicability in other countries, please call Atlantic Technology.



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