



**PURERESONANCEAUDIO®**

**A115 15" ACTIVE LOUDSPEAKER**

# **INSTALLATION AND OPERATION MANUAL**



Caution: Please read this manual carefully before operating.  
Damage caused by misuse is not covered by the warranty.

# SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use. The included conventions of safety symbols and messages are regarded as essential precautions.
- We recommend that you keep this instruction manual handy for future reference.

## SAFETY SYMBOL AND MESSAGE CONVENTIONS

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage that could result from mishandling. Before operating this product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety risks.



### **WARNING!**

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.



### **CAUTION!**

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.



### **WARNING!**

#### **IMPORTANT SAFETY INSTRUCTIONS**

**\*\*\*THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED TECHNICIAN.**

**THE PROVIDED INSTALLATION HARDWARE MUST BE USED TO INSTALL THIS PRODUCT.\*\*\***

- This product must be securely installed or set on a stable, flat surface to prevent injury.
- DO NOT expose the speaker to water, rain, or any environment with high moisture levels or where it may be splashed by water or other liquids, as this may result in fire or electric shock.
- DO NOT install in areas with high humidity, dust, direct sunlight, near sources of electricity, smoke, steam, or heat sources such as stoves, radiators, heat registers, or other heat-producing apparatuses.
- DO NOT place any naked flame sources, such as candles, close to the speaker.
- DO ensure that when the speakers are installed or flown, the wall or ceiling can structurally support the speaker's weight and securely attach the speaker.
- DO ensure that the speaker wire and cables are not damaged when installing. Frayed or damaged wires can cause electric shock or fire.
- DO NOT place cups, bowls, vases, or other liquid containers on the speaker or touch it with wet hands, as this may cause fire or electric shock.
- USE hardware and accessories that can fully support the speaker's weight.
- REFER all servicing to qualified service personnel. Servicing is required when the speaker is damaged, does not operate normally, or has been dropped.
- If you find any of the following abnormal conditions, turn off the power, unplug the speaker, and contact your nearest dealer. Do not continue operating the speaker in this condition:
  - Smoke or an unusual odor coming from the speaker or other connected equipment
  - Water or metal objects fall onto the speaker
  - The speaker falls, is dropped, or the housing is damaged
  - The power supply cord is damaged
  - The speaker is malfunctioning
- To avoid fire or electric shock, DO NOT open or disassemble the speaker.

\*No user-serviceable parts inside. Refer all servicing to qualified service personnel.

\*Changes or modifications not expressly approved by the manufacturer could void the user's warranty.

## **CAUTION!**

- DO NOT place heavy objects on the speaker to prevent personal injury or property damage.
- Before turning on the power, ensure the volume is at the lowest level to avoid damaging your hearing.
- DO NOT continue operating the speaker if the sound is distorted, which may cause overheating and fire.
- DO regularly clean the speaker, power supply, and wall outlet to prevent dust from accumulating, which can cause damage or fire.
- The power plug is the primary device for disconnecting from the main power supply. For safety, ensure it is disconnected when necessary.
- When installing the speaker, ensure proper ventilation and avoid high temperatures or direct sunlight to allow for normal heat dissipation.
- This speaker is recommended for indoor use only. If you use it outdoors, pay attention to waterproofing, moisture, and lightning protection.

## **FCC WARNING!**

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
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 the 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.

**Note:** The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

- The device has been evaluated to meet general RF exposure requirements.
- To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body and fully supported by the operation and installation.

# DESCRIPTION

The Pure Resonance Audio A115 is a versatile 15" 2-way active loudspeaker delivering 600 watts of high-output power and full-range frequency response. Designed for high-performance audio, this powered speaker features a 15" woofer for deep, robust lows and a 1.35" compression driver for crisp highs, ensuring excellent vocal intelligibility. With a 90° x 60° coverage pattern, efficient Class D amplification, and built-in DSP for EQ adjustments, the A115 provides professional audio performance. Bluetooth technology allows seamless audio streaming, while True Wireless Stereo (TWS) enables two A115 speakers to pair wirelessly for Bluetooth audio playback in stereo. The lightweight, molded polypropylene enclosure ensures durability and easy portability with three integrated handles. Flexible mounting options include a pole socket, floor monitor setup, and three M8 rigging points, making the A115 ideal for any public address system.

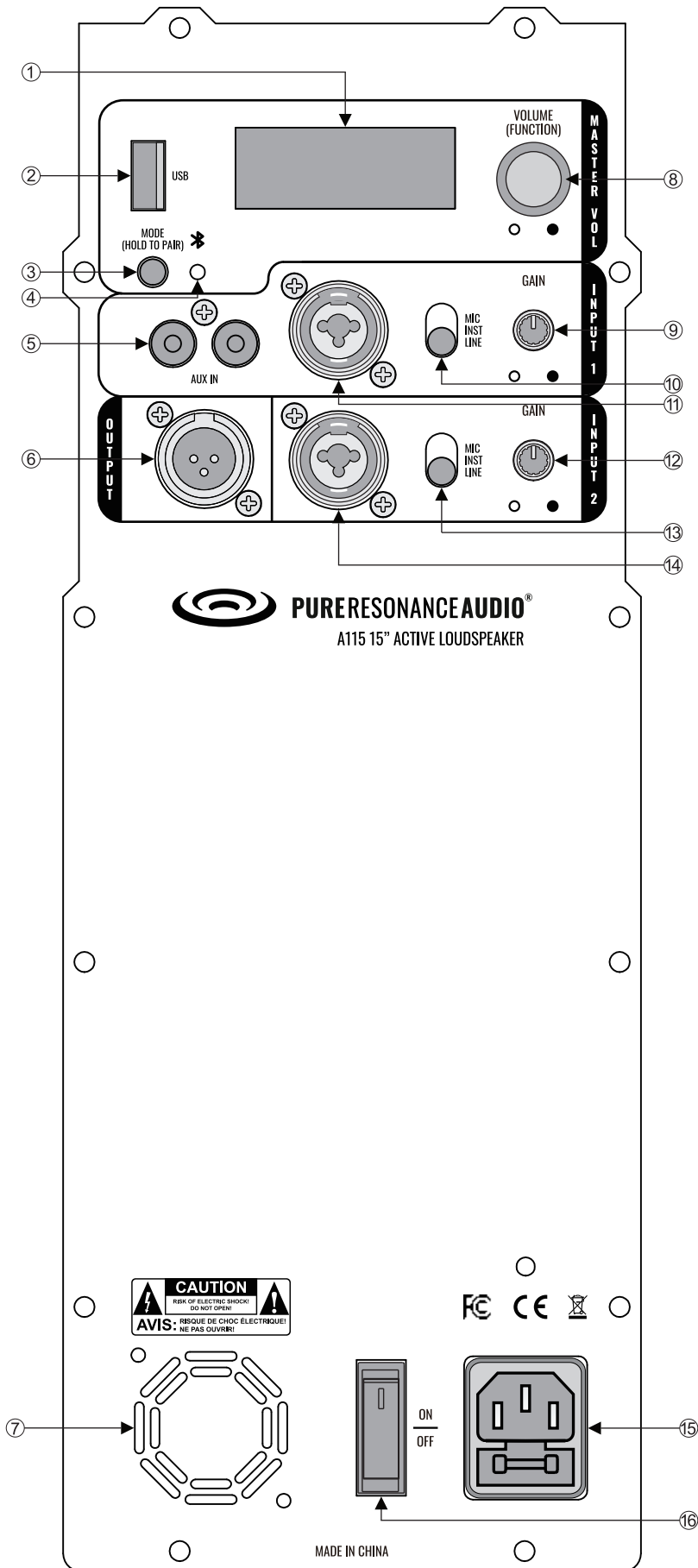
## FEATURES

- Robust, rust-resistant construction for superior and long-lasting durability
- 15" Woofer ensures excellent low-frequency reproduction
- 1.35" Compression driver provides an extended high-frequency response
- Delivers 600W and up to 130 dB SPL with a 90° x 60° coverage pattern
- Efficient Class D amplification for high-performance output
- Built-in DSP for precise EQ adjustments
- 2 combo jacks, a dual RCA input, Bluetooth streaming, and TWS for wireless pairing
- Pole socket (0°-7.5° tilt), floor monitor setup (40° tilt), and 3 rigging points with M8 eyebolts for versatile mounting options
- Easy portability with three integrated handles for effortless transport

# SPECIFICATIONS

Power Rating	600 Watts RMS; 1200 Watts Peak
Frequency Response ( $\pm 10$ dB)	45Hz - 20kHz
Max SPL	130 dB
Dispersion	90° x 60°
Woofers	15" Paper
Tweeter	1.35" Compression Driver
Material	Polypropylene (PP)
Outputs	LINE: (1) XLR Thru
Inputs	MIC/LINE/INSTRUMENT: (CH 1-2) XLR / ¼" TRS Combo Jacks AUX: (CH 1) Dual RCA MEDIA: Bluetooth and USB
Equalization	High: -12 dB to +6 dB Mid: -12 dB to +6 dB Low: -12 dB to +6 dB
Mount	Pole socket (0°-7.5° tilt), floor monitor (40° tilt), 3 rigging points with M8 eyebolts
Power Supply	Standard IEC
Dimensions (H X W x D)	28.54" (725 mm) x 16.93" (430 mm) x 15.94" (405 mm)
Weight	43.6 lbs (19.78 kg)
Shipping Dimensions (H x W x D)	31.1" (790 mm) x 19.48" (495 mm) x 18.89" (480 mm)
Shipping Weight	53 lbs (24.04 kg)

# REAR PANEL



- 1. LCD Display:**  
Displays audio levels/menu options
- 2. USB Port:**  
Plays MP3/WAV files from a USB thumb drive
- 3. Mode Button:**  
Media player mode selection
- 4. Bluetooth Indicator:** Light indicates the selected media source is Bluetooth
- 5. CH 1 RCA Jack:**  
RCA input from the audio source
- 6. XLR Line Out:**  
Balanced XLR line level output
- 7. Fan Ventilation Port:**  
Allows air exchange to cool amplifier via automatic fan
- 8. Volume (Function) Button:**  
Adjust Master Volume, enter the main menu, and adjust settings within the main menu
- 9. CH 1 Volume Control Knob:**  
Adjust CH1 volume from 0-10
- 10. CH 1 Input Level Switch:**  
Select between Mic/Instrument/Line levels
- 11. CH 1 Combo Jack:**  
Balanced XLR/TRS input from an audio source
- 12. CH 2 Volume Control Knob:**  
Adjust CH2 volume from 0-10
- 13. CH 2 Input Level Switch:**  
Select between Mic/Instrument/Line levels
- 14. CH 2 Combo Jack:**  
Balanced XLR/TRS input from an audio source
- 15. IEC Power Connection:**  
Connect the speaker to the external power outlet
- 16. Power Switch:**  
Turn the speaker On/Off

# INSTALLATION & OPERATION GUIDE

## MASTER VOLUME

- Use the **Volume/Function Button** to adjust the master volume.
- The **Volume/Function Button** also adjusts the DSP settings (see “**MAIN MENU**” below).

## INPUT LEVEL SWITCH

- **MIC:** Select for mic-level devices such as wired and wireless microphone systems.
- **INSTRUMENT:** Select for use with musical instruments such as guitars or keyboards.
- **LINE:** Select for use with line-level devices such as mixers or another powered speaker.

## CH GAIN KNOB

- Adjusts individual channel gain sent to the master output.

## XLR LINE OUT

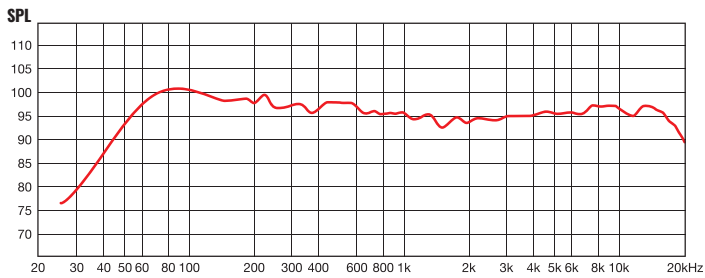
- Balanced line level output to be sent to another device, such as an additional A115. The summed audio signal requires amplification.

## MODE BUTTON

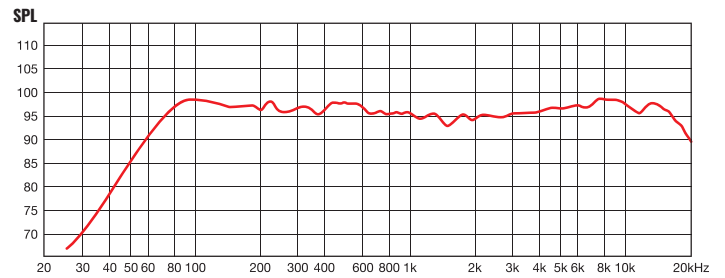
- **Long-press** (three seconds) at startup to enter pairing mode (A115 will search for and connect to the last paired device if present).
- **Long-press** also cycles between Bluetooth and MP3 modes. The **LCD Display** indicates "BT" for Bluetooth mode or "M3" for MP3 mode.
- **Short-press** brings up settings for the currently selected media mode.
  - MP3/USB:
    - Play/Pause-Stop-Previous-Next
  - Bluetooth:
    - BT Pair (Paired/Not Linked)
    - TWS Link (Paired/Not Linked)
    - TWS Clear

## MAIN MENU

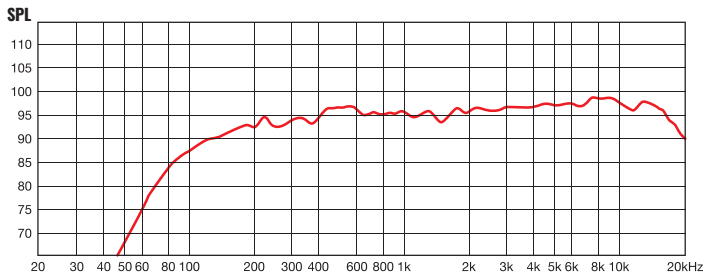
- **Press Volume (Function) Button**
  - BT/MP3 Vol: Adjusts BT/MP3 gain to the desired level
    - -60 dB to 0 dB
  - EQ Mode: (EQ Presets) Cycles through EQ presets
    - Off (Flat EQ)
    - Music (**Figure 1.**)
    - Live (**Figure 2.**)
    - Speech (**Figure 3.**)
    - Club (**Figure 4.**)



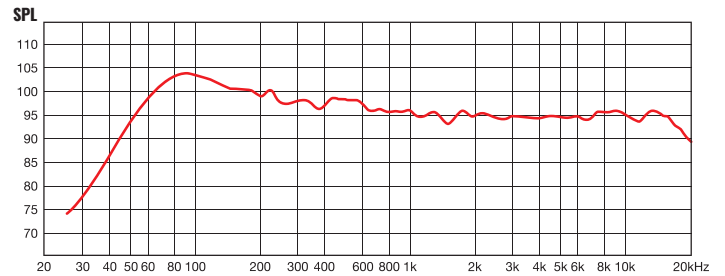
**Figure 1. Music EQ Mode**



**Figure 2. Live EQ Mode**



**Figure 3. Speech EQ Mode**

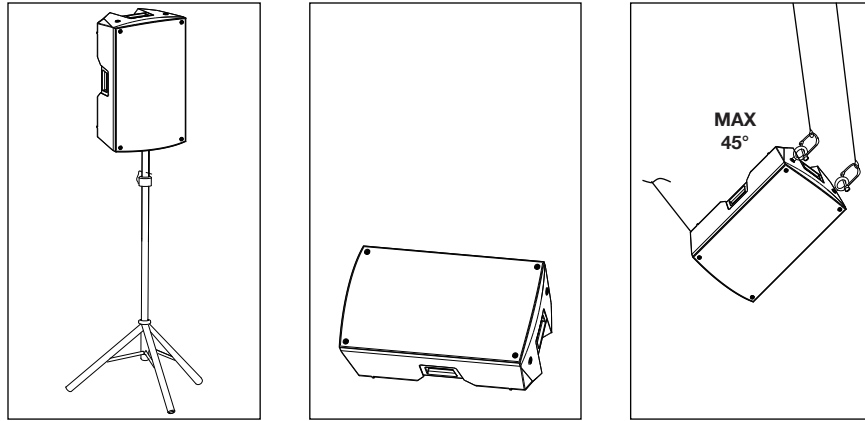


**Figure 4. Club EQ Mode**

- **Position:** Cycles through location-based presets optimized for specific speaker locations
  - **Tripod:** (Default) Used for speaker placement on a tripod or pole
  - **Kickback:** Used for suspended speaker installations
  - **Monitor:** Used when the speaker is placed on its side in monitor applications
  - **Wall:** Used for wall-mounted applications
- **HP Filter:** Cycles through different levels of the High Pass Filter
  - Off
  - 90Hz (Cuts signal below 90Hz)
  - 100Hz (Cuts signal below 100Hz)
  - 120Hz (Cuts signal below 120Hz)
- **Bass:** Adjusts Low-frequency signal
  - -12 dB (cut) to +6 dB (boost)
- **Mid:** Adjusts Mid-frequency signal
  - -12 dB (cut) to +6 dB (boost)
- **Treble:** Adjusts High-frequency signal
  - -12 dB (cut) to +6 dB (boost)
- **Delay:** Adjusts the desired level of Delay
  - 0 to 20ms (milliseconds)
- **Light** (LED Indicator found on the front of the speaker)
  - LED On
  - LED Off
- **Info**
  - Contrast
  - Default Reset
  - Firmware Version



## CONFIGURATION OPTIONS



## INSTALLATION EXAMPLES

Positioning is intuitive. Certified stands are recommended for situations with a seated or standing audience. These should be placed on a flat surface, with the power and signal cables positioned so that they cannot be walked on or stretched and do not present a tripping or safety hazard.

### Installation On A Tripod Stand

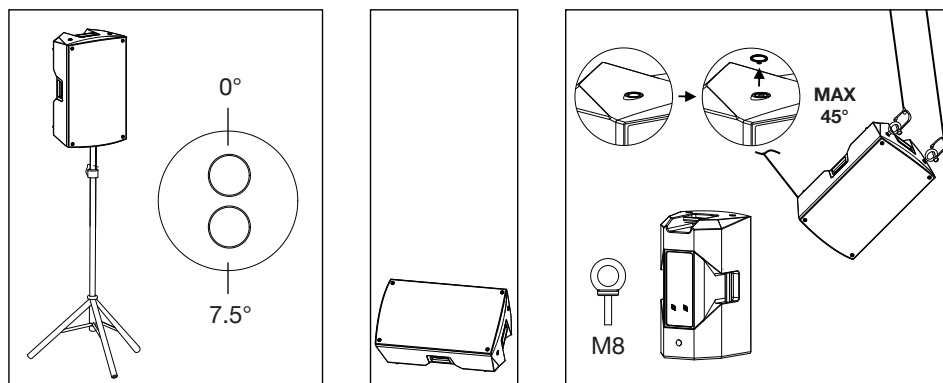
The speaker can be installed on an optional standard tripod stand with a 35 mm diameter pole. The maximum permissible height between the speaker base and the floor is 170 cm. Any other use requires additional fixing (not supplied). The tilt angle can be set between 0° and 7.5°.

### Monitor Installation

The speaker cabinet has angled sides and can be placed on the floor as a live monitor.

### Installation Suspended From Eyebolts

The speaker can also be suspended using M8 eyebolts. The rear eyebolt allows adjusting the tilt angle (maximum 45°).



# SERVICE

In the event of a malfunction, ensure the problem is not related to operator error or system devices external to this unit. Once it is certain that the problem is related to the product, contact your warranty provider as described in the warranty section of this manual.

## LIMITED WARRANTY

PRO ACOUSTICS, LLC. ("PRO ACOUSTICS") warrants this product to the original purchaser to be free from defects in materials and workmanship (subject to the terms set forth below) for the following periods from the date of purchase.

### THIS WARRANTY COVERS THE LISTED PRODUCTS AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR THE FOLLOWING PERIOD

Warranty Terms	
Speakers	2 Years
Amplifiers & Electronics	1 Year
Microphones	1 Year
Accessories	1 Year

PRO ACOUSTICS will repair or replace (at PRO ACOUSTICS's option) this product or any defective parts (excluding electronics and amplifiers) in this product.

Your authorized PRO ACOUSTICS dealer will inspect the product, and if your dealer is not equipped to perform the repair of your PRO ACOUSTICS product, they will replace your product or return it to PRO ACOUSTICS for repair at their discretion. Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from this product. This warranty is invalid if this product was not purchased from a PRO ACOUSTICS authorized dealer. Cosmetic damage or damage due to the accident, acts of God, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product are not covered in this warranty. This warranty does not cover damage due to improper operation, maintenance, installation, or attempted repair by anyone other than PRO ACOUSTICS or a PRO ACOUSTICS dealer that is authorized to do PRO ACOUSTICS warranty work. Any unauthorized repairs will void this warranty.

This warranty does not cover products sold as is.

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