



PURERESONANCEAUDIO[®]

P110 10" PASSIVE LOUDSPEAKER

INSTALLATION AND OPERATION MANUAL



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

INTRODUCTION

DESCRIPTION

The Pure Resonance Audio P110 is a compact 10" 2-way passive loudspeaker with 100° x 70° coverage. The lightweight and low profile PA speaker contains a robust 10" woofer for a full low frequency and 1.4" compression high-frequency driver. The 15mm thick medium-density high-grade fiberboard is treated with water-based paint for wear-resistant protection, and the mesh metal grill is treated with an anti-fading powder spray treatment, ensuring long-term durability. With a wide frequency response and 300 watts of power, the P110 produces full-range professional high-output audio and excellent vocal intelligibility, perfect for fitness centers, gymnasiums, small churches, classrooms, and other medium or large venues.

FEATURES

- Wear-resistant construction for long-term durability in demanding conditions
- High-grade fiberboard enclosure with a fade-resistant coating and treatment for robust protection
- 10" graphite woofer and 1.4" compression-driven tweeter
- 96 dB sensitivity with high output sound
- 300 Watts at 8 Ohm with 2 SpeakON NL4 connections
- Pole socket for mounting on a stand and rigging points for flying

SPECIFICATIONS


Rated Power	300 Watts
Frequency Response (± 3 dB)	1200 Watts
Impedance	8 Ohms
Frequency Response	60Hz - 20kHz
Sensitivity (@ 1W/1M)	96dB
Max SPL	124dB
Coverage Angle (-6dB)	100° x 70°
Woofer Size	10"
Tweeter Size	1.4"
Input Connections	SpeakON NL4 x 2
Dimensions (H x W x D)	20.99" (533 mm) x 11.81" (300 mm) x 13.39" (340 mm)
Weight	33.07 lbs (15 kg)


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.**

ADEQUATE INSTALLATION HARDWARE MUST BE USED TO INSTALL THIS PRODUCT.***

Pro Acoustics is not responsible for the structural integrity of the installation. Please ensure that a qualified technician installs this product and that the building's engineer or architect has approved the equipment and installation.

1. The speaker must be securely installed or set up on a stable flat surface to prevent injury.
2. USE hardware and accessories that can fully support the speaker's weight.
3. DO NOT allow any water or rain exposure to speakers.
4. DO NOT block any ventilation openings. Install in accordance with all safety standards and regulations.
5. DO NOT install in humidity, dust, direct contact with the sun, near electricity, smoke, steam, or any heat source such as stoves, radiators, heat registers, amplifiers, or other apparatuses producing heat.
6. DO NOT place any naked flame sources, such as candles, close to the product.
7. Ensure that no damage to the speaker wire is present when installing. Frayed or unterminated wires can lead to electrical or fire danger.
8. DO NOT plug in the speaker while your hands are wet. This may lead to electric shock.
9. MAKE SURE to pull plugs rather than wires when connecting/disconnecting speakers. Using strained or damaged speaker wire may cause electric shock.
10. REFER all servicing to qualified service personnel. Servicing is required when the speaker has been damaged in any way, does not operate normally, or has been dropped.

CAUTION!

1. When the speakers are installed on the wall or flown, ensure the wall or ceiling structure is reliable and that the speakers are securely attached.
2. Install the speaker in a location that can structurally support the speaker's weight and its mounting hardware. Otherwise, it may result in the unit falling and causing personal injury.
3. Changes or modifications not expressly approved by the manufacturer could void the user's warranty.

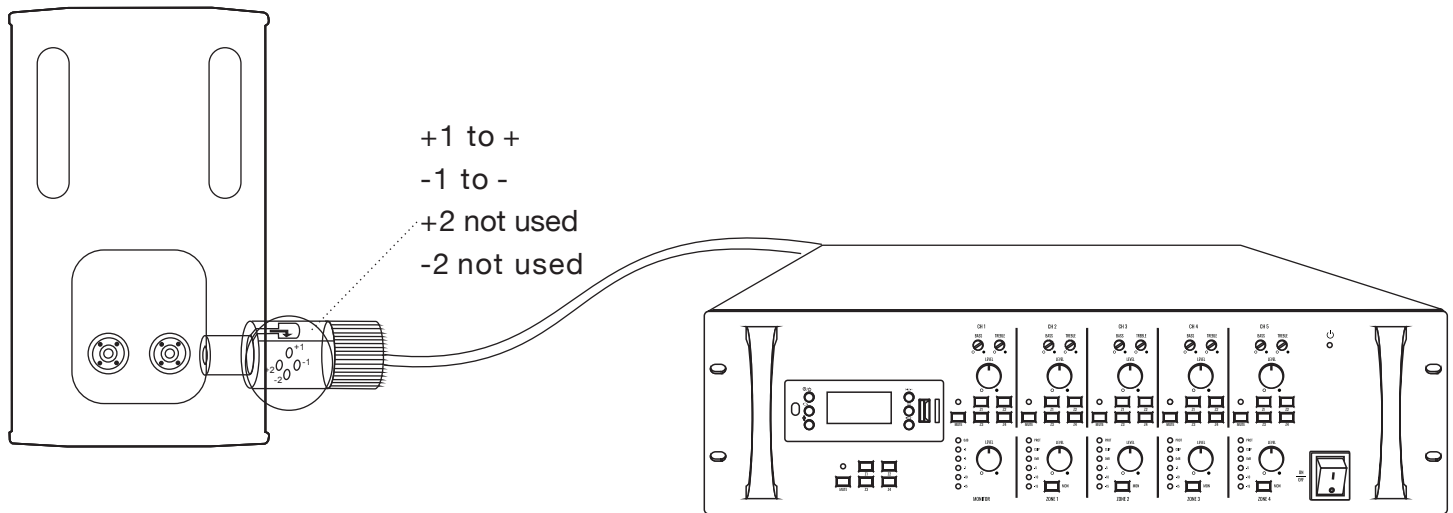
INSTALLATION & OPERATION GUIDE

SPEAKER PLACEMENT

- If you desire music over a wide area, it is best to have a larger number of speakers playing at low volume rather than a few speakers playing at high volume. Keep this in mind when designing your system.
- Ideally, you should place the speakers as close to the primary listening area as possible. The perceived volume of the speaker decreases rapidly as it is moved further from the listener.

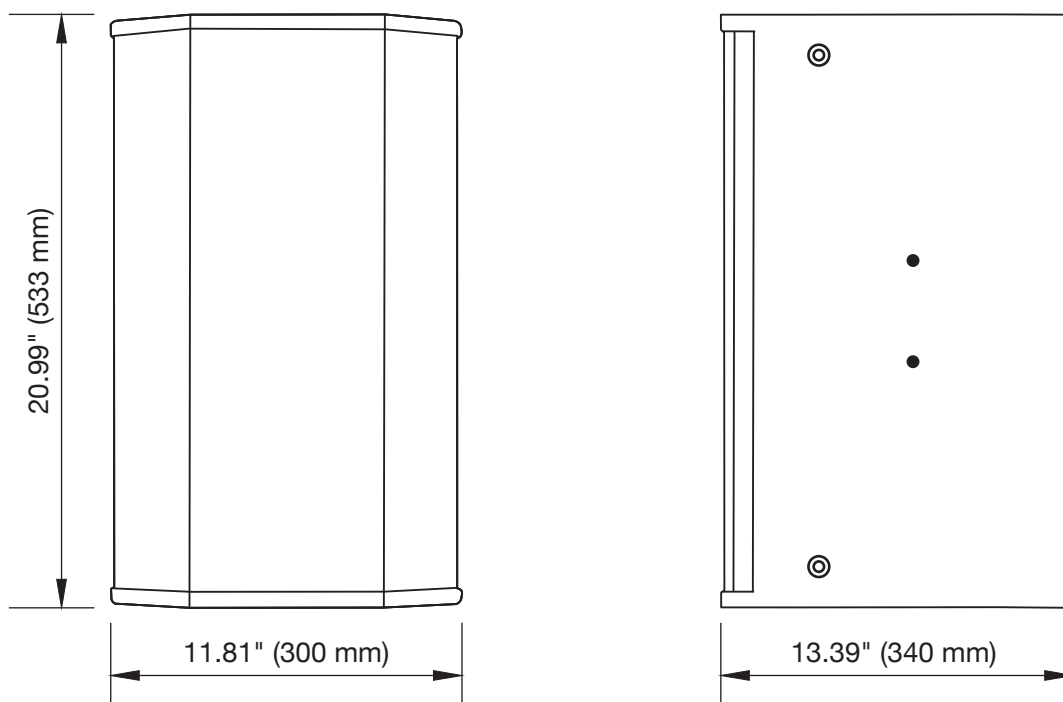
CONNECTING THE SPEAKER TO YOUR SYSTEM

Connect the 4-core plug to the amplifier. Connect terminal “+1” to terminal “+”, and connect terminal “-1” to terminal “-”. Then, connect the 4-core plug to the 4-core socket on the loudspeaker.



After the speaker is connected, please lower the amplifier volume to a minimum, turn on the amplifier, select an audio source, and adjust the volume to a suitable level.

DIMENSIONS



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 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 or installation, or attempted repair by anyone other than PRO ACOUSTICS or a PRO ACOUSTICS dealer which is authorized to do PRO ACOUSTICS warranty work. Any unauthorized repairs will void this warranty.

This warranty does not cover products sold as is.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. PRO ACOUSTICS U.S.A. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

Specifications may change without notice.

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