

®

FISHMAN

O W N E R ' S M A N U A L



*Acoustic Monitor Pro*

P O W E R E D M O N I T O R

## INTRODUCTION

Thank you for your purchase of a FISHMAN product. Please read this manual carefully. If you have any further questions please call our **PRODUCT INFORMATION LINE** at **978-988-9665**.

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### PACKING INFORMATION

#### UNPACKING

After you unpack your Acoustic Monitor Pro amplifier, check it for any damage. We tested and inspected your amp before we packed and shipped it, but in the unlikely event that something was damaged before it reached you, contact your dealer to remedy the situation. Do not use your amp if it appears damaged.

#### PACKING MATERIALS

Save the original packing materials and the box that your Acoustic Monitor Pro came in. Should you ever need to ship it, the box and its inserts will protect it.

Please fill in the following information for future reference:

**MODEL NUMBER:** \_\_\_\_\_

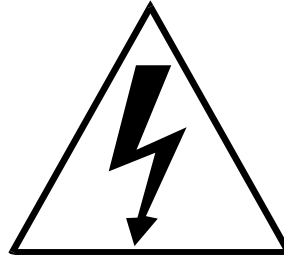
**SERIAL NUMBER:** \_\_\_\_\_

**DEALER'S NAME:** \_\_\_\_\_

**DEALER'S ADDRESS:** \_\_\_\_\_

**DATE OF PURCHASE:** \_\_\_\_\_

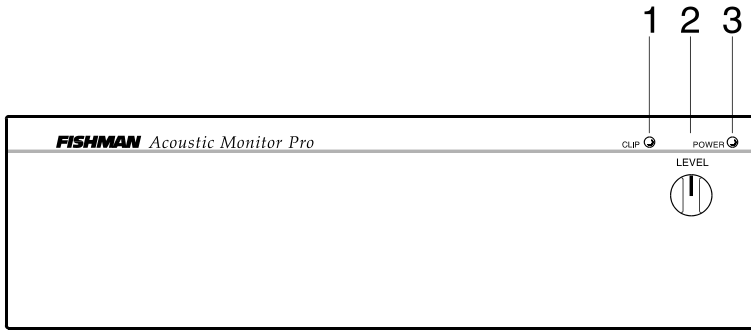
### SAFETY PRECAUTIONS



#### CAUTION!

**THE FISHMAN ACOUSTIC MONITOR PRO IS A DUAL VOLTAGE AMPLIFIER. ALWAYS USE THE PROPER FUSE FOR THE VOLTAGE SELECTED. REFER TO PAGE 7 FOR INFORMATION ON VOLTAGE SELECTION AND CHANGING FUSES.**

- There are no user-serviceable parts inside.
- Therefore, don't open it up or try to modify it.
- Always refer servicing to qualified personnel.
- Always replace the line cord (AC mains supply) with the same type and rating.
- Always turn off the amplifier before making or unplugging any AC connections.
- Do not operate this amplifier in the rain or where excessive moisture is present.
- This amplifier is very loud. Never operate it with your ear in front of the speaker.

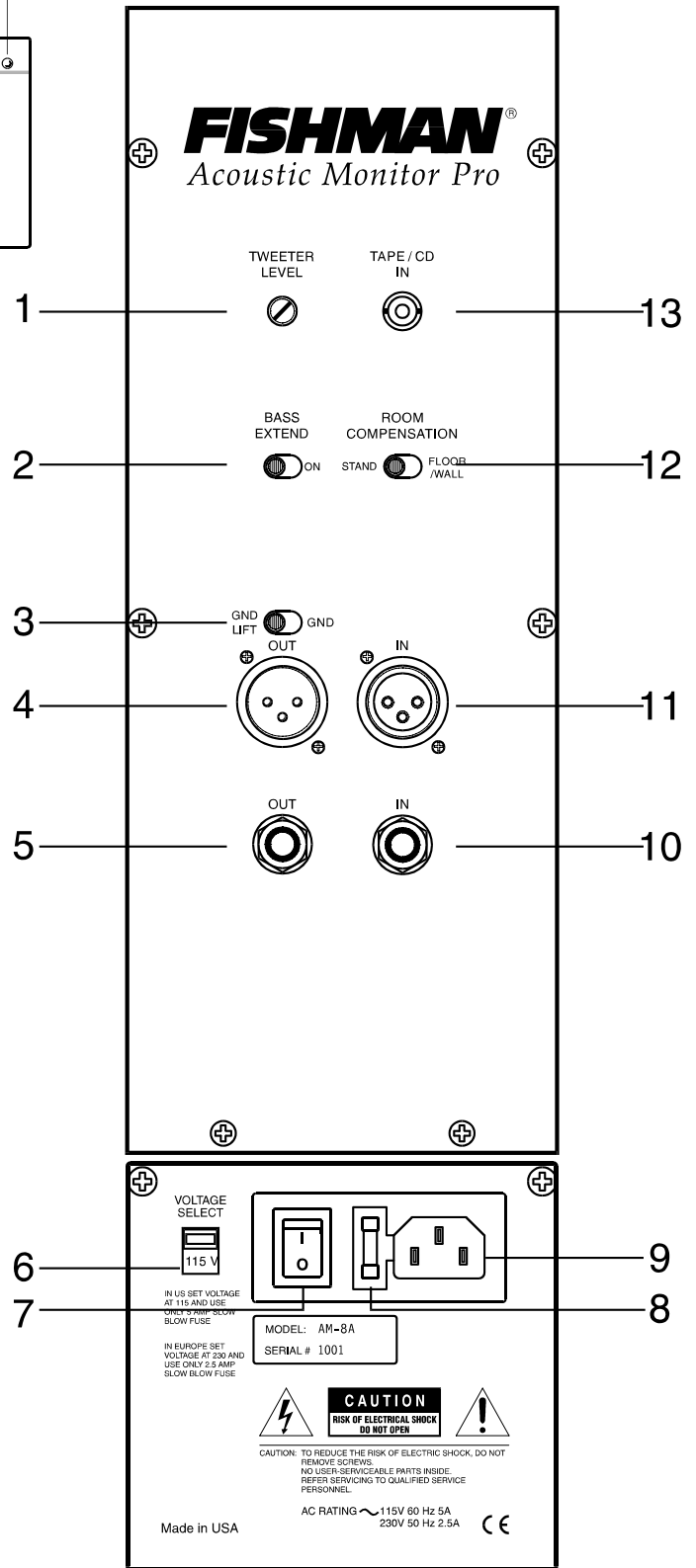


## FRONT PANEL FEATURES

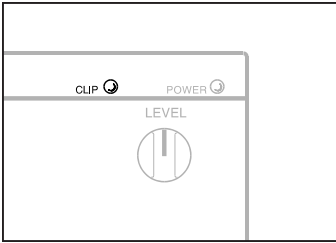
- 1) **CLIPPING INDICATOR** (See Page 4)
- 2) **VOLUME LEVEL** (See Page 4)
- 3) **POWER INDICATOR** (See Page 4)

## REAR PANEL FEATURES

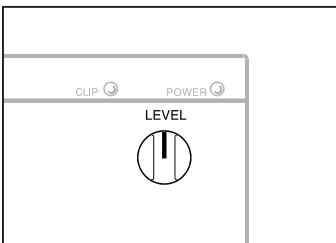
- 1) **TWEETER LEVEL** (See Page 5)
- 2) **BASS EXTEND** (See Page 5)
- 3) **GROUND LIFT** (See Page 6)
- 4) **BALANCED OUTPUT** (See Page 6)
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- 11) **BALANCED INPUT** (See Page 6)
- 12) **ROOM COMPENSATION SWITCH** (See Page 5)
- 13) **STEREO TAPE / CD INPUT** (See Page 5)



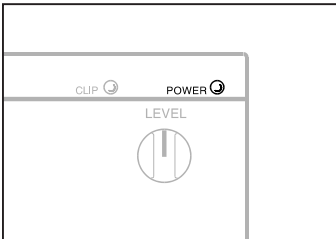
## OPERATING INSTRUCTIONS - FRONT PANEL

**CLIP LED**

This LED glows only when incoming signal levels from an instrument exceed the point at which the buffer amplifier or power amp distorts, a sure sign that the signal level is too "hot." Adjust the volume on your instrument or preamp so that the Clip LED only glows when you whack your instrument's strings exceptionally hard.

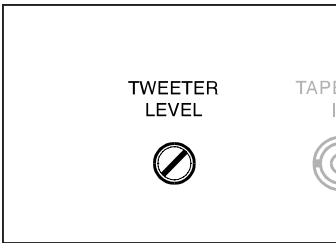
**LEVEL**

This knob controls the volume being sent from the Input Stage to the Power Amp of the Acoustic Monitor Pro. It does not control or affect distortion from input signals.

**POWER LED**

Whenever your Acoustic Monitor Pro is turned on, this LED glows. If, for any reason, you encounter a problem with your Acoustic Monitor Pro (no sound, for instance), always check this LED. If it isn't glowing, then either the Acoustic Monitor Pro isn't turned on, plugged in, or connected to a working AC outlet. (Make sure the power cord is securely plugged in at both ends. Check the outlet by plugging in something you know works.) If the LED isn't glowing, even if the outlet is okay and the power switch is on, then turn the Acoustic Monitor Pro off, unplug it, and consult your dealer or Fishman Customer Service.

OPERATING INSTRUCTIONS - REAR PANEL



**TWEETER LEVEL**

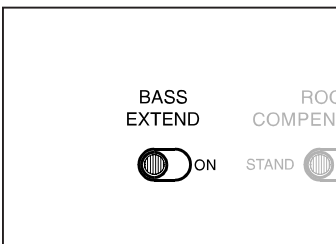
Depending on how bright you like your onstage sound, you can adjust the Tweeter Level control to deliver more signal through the high-frequency dome tweeter. Turning the control clockwise increases its level, while turning it counterclockwise lowers the amount.

NOTE: Adjusting the Tweeter Level control does not affect the brightness of the signal being sent out of any of the Outputs.



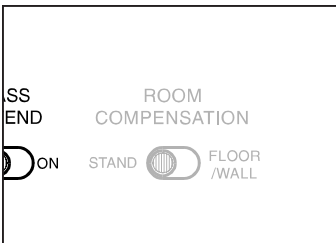
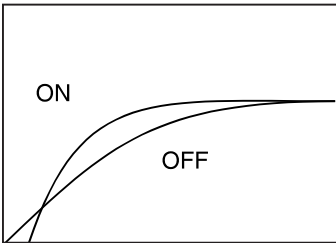
**TAPE/CD IN**

The Tape/CD In accepts signals from tape recorders or CD players and is perfect for adding accompaniment music or providing music during breaks. It does not have its own level control, so its loudness is governed by the tape or CD player's output and/or by the Level.



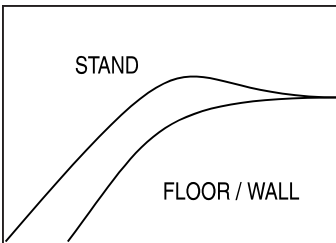
**BASS EXTEND**

This switch extends the bass response of the speaker by applying equalization. It boosts the lowest frequencies to deepen the response. The disadvantage of doing this is that it requires more power than the basic unequalized speaker; therefore the equalized speaker is not quite as loud.

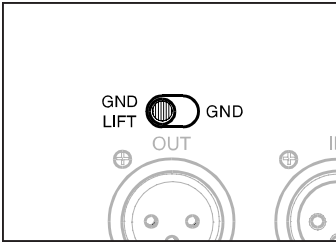


**ROOM COMPENSATION**

This switch compensates for different mounting locations of the Acoustic Monitor Pro. When it is placed on the floor or against a wall, the speaker naturally has plenty of bass and the system has a flat electrical response. However, if the speaker is raised up on a stand or moved out from the wall, there is naturally some loss of bass response. This switch compensates for that loss.

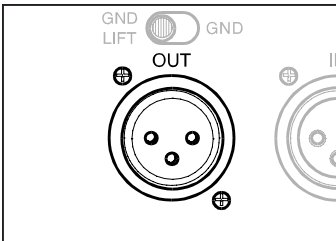


**OPERATING INSTRUCTIONS - REAR PANEL**



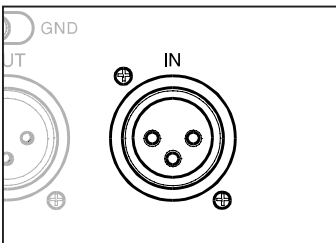
**GND LIFT**

When connecting the XLR OUT jack to other gear, it's possible that it can create a secondary path to ground, introducing hum to the sound. Using the Gnd Lift (Ground Lift) switch disconnects the secondary ground path, removing the ground loop and the hum that comes from it.



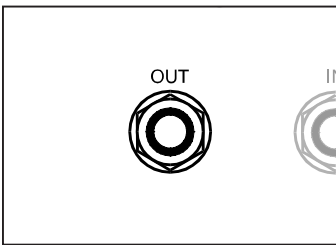
**OUT (XLR)**

This output is useful for "daisy-chaining" more than one Monitor (connecting them in series). This balanced XLR jack passes the signal entering the 1/4" and XLR inputs on to other gear, such as P.A. or recording mixers. It is NOT affected by the Level control on the Front Panel. NOTE: The signal from the Send jack is electronically buffered, meaning that it is designed to drive other gear without a degradation in the tone and overall signal quality. Its output strength is not affected by the Level control.



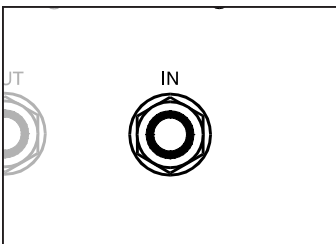
**IN (XLR)**

This electrically balanced XLR input is designed to accept low-impedance microphones or pro-level sound sources. It will also accept a signal from the XLR output of the Acoustic Performer Pro.



**OUT (1/4")**

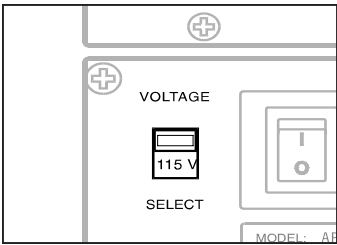
This output is useful for sending a signal to battery-powered devices such as electronic tuners or portable tape recorders. It is NOT recommended for use in "daisy-chaining" a series of Monitors or sending signals to non-battery-powered devices as this may result in a ground loop.



**IN (1/4")**

This input will accept line-level signals from a range of sound sources including piezo and magnetic pickups. It will also accept a signal from the Effects Send output of the Acoustic Performer Pro. However, a preamp is recommended for better control of your sound.

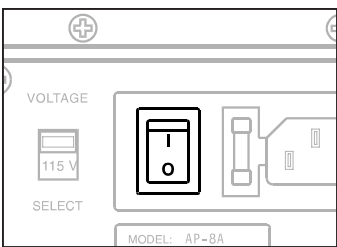
## OPERATING INSTRUCTIONS - POWER SECTION



### VOLTAGE SELECTOR

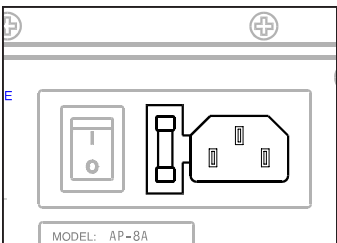
The Voltage Selector switch provides the option of powering the Acoustic Monitor Pro with either 115 volts AC or 230 volts AC. You must use a cord with the appropriate plug configuration for the AC (mains) receptacles in the area in which you use it. If you are taking the Acoustic Monitor Pro overseas, check with your dealer regarding the appropriate cord and plug configuration, or contact Fishman Customer Service.

**IMPORTANT:** When operating in the United States, always set the Voltage Selection switch for 115V using a 5 Amp Slow Blow Fuse. In Europe, set for 230V with a 2.5 Amp Slow Blow Fuse.



### ON/OFF SWITCH

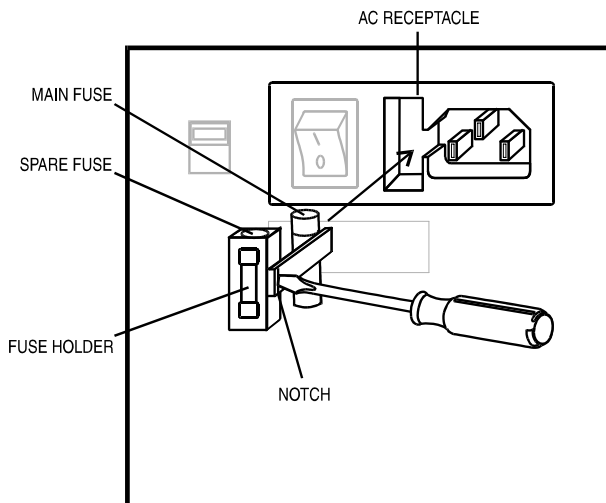
The Acoustic Monitor Pro's On/Off Switch has a "1" symbol for on and a "0" symbol for off. Always turn the Acoustic Monitor Pro off before unplugging it.



### AC POWER RECEPTACLE

Plug your AC (mains) power cord into this receptacle and the other end into a grounded outlet. Do not modify the cord in any way. Do not cut off the grounding pin, and never use a 3-pin-to-2-pin adapter unless you ground the adapter's grounding tab. If you use an extension cord, always use a heavy-duty cord that is no longer than necessary.

**NOTE:** If your AC (mains) cord is ever damaged or lost, replace it only with the same type.



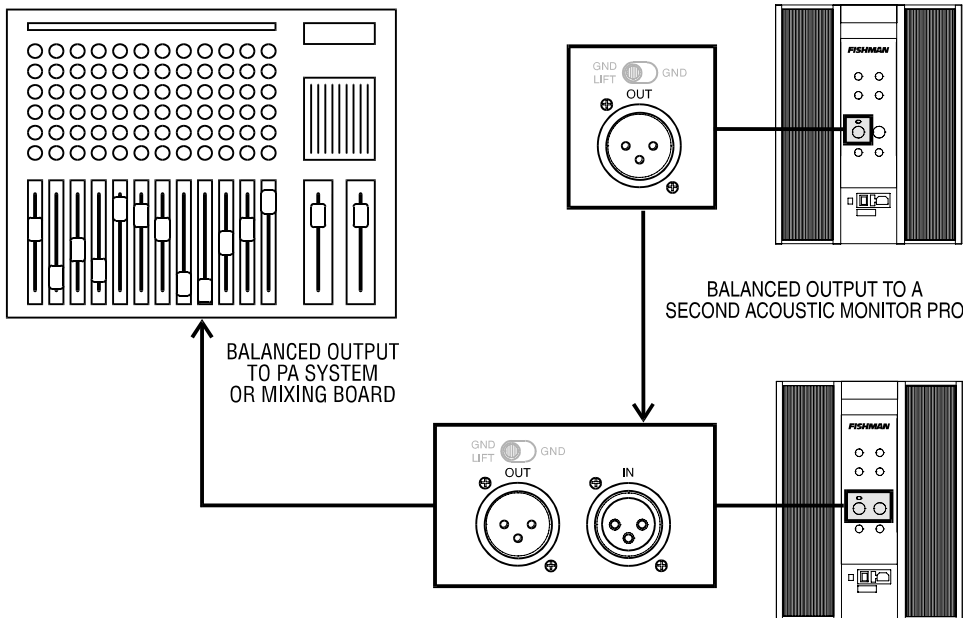
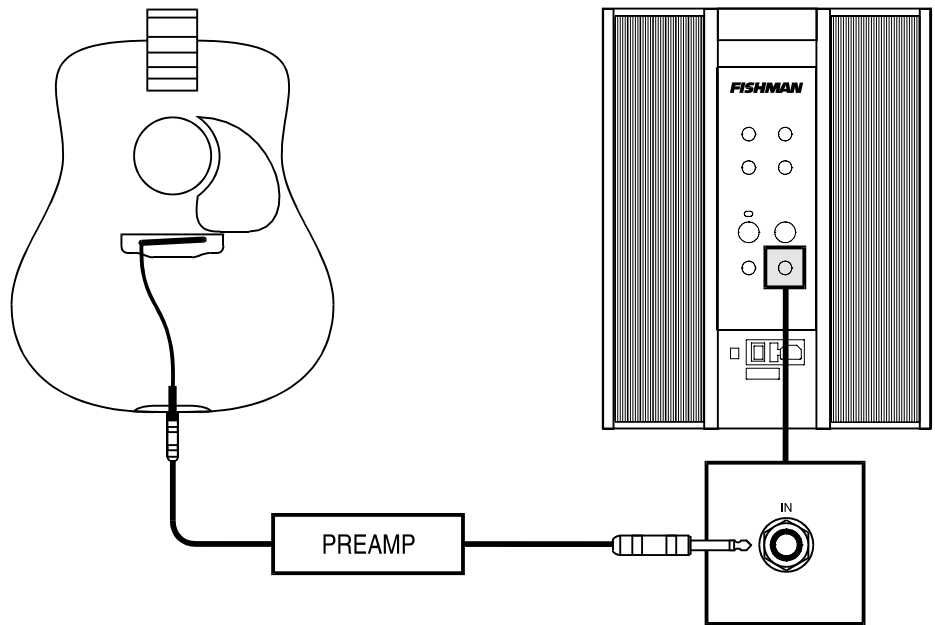
### CHANGING THE FUSE

The Fuse Holder is located to the left of the AC Receptacle (See Page 3, Item #9). It is designed to hold a spare fuse. Insert a small screwdriver into the small notch on the side of the Fuse Holder to remove it from the AC Receptacle. **DO NOT** use a knife or sharp object. After replacing the fuse, slide the Fuse Holder all the way into the Back Panel until it snaps into place.

## INTERFACING THE ACOUSTIC MONITOR PRO WITH OTHER GEAR

### 1) PLAYING AN INSTRUMENT:

The Acoustic Monitor Pro has a 1/4" input jack that will accept line-level signals. However, a preamp or equalizer is recommended (such as the Fishman Acoustic Blender, Model G, Pro-EQ or Dual Parametric D.I.) for better control of your sound.



### 2) USING THE OUTPUTS:

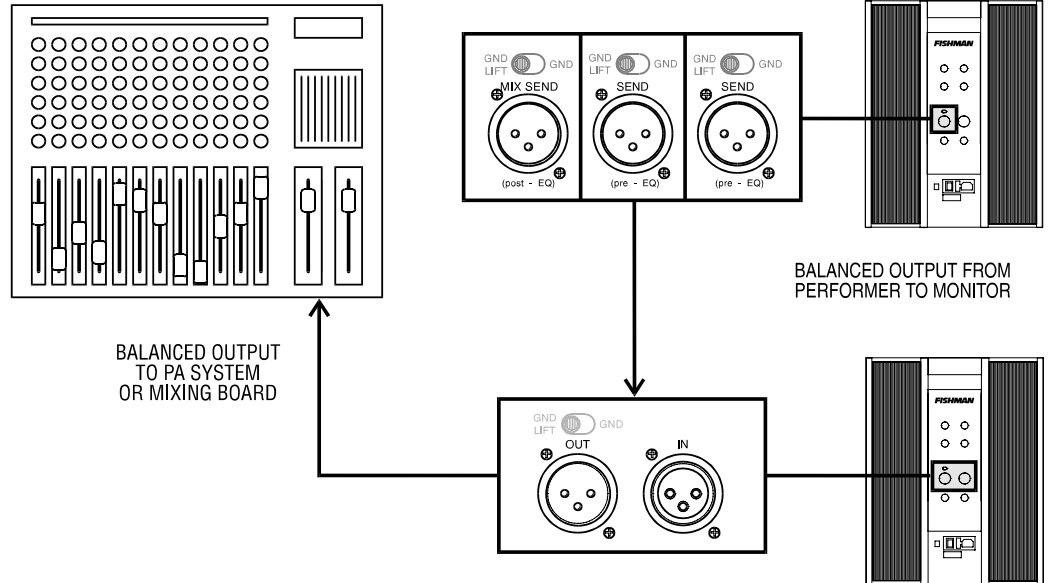
The Acoustic Monitor Pro can send a signal via the Balanced XLR OUT to a mixing board, recording console or to the Balanced XLR IN of an additional Acoustic Monitor Pro.

The Unbalanced 1/4" OUT is NOT recommended for this application. It is best for sending a signal to battery-powered devices such as electronic tuners or portable tape recorders.

## 3) INTERFACING WITH THE ACOUSTIC PERFORMER PRO:

The Acoustic Monitor Pro is the perfect companion to FISHMAN's Acoustic Performer Pro amplifier.

When using an Acoustic Performer Pro you may want to send your signal to an Acoustic Monitor Pro for additional sound reinforcement. You can do this by connecting one of the Balanced XLR Sends of the Performer to the Balanced XLR IN of the Monitor. You can also send a Balanced signal from the Monitor's XLR OUT to a Mixing Board or PA System.



## POSITIONING THE ACOUSTIC MONITOR PRO

The Acoustic Monitor Pro's unique design makes it ideal to be used three different ways: standing upright, lying on its side, or supported on a stand. When it's standing upright, it projects its sound forward, a good choice for club performances or wherever your Acoustic Monitor Pro is acting as your primary means for bringing your sound to your audience.

Placed it on its side, the Acoustic Monitor Pro acts like a wedge-type monitor, projecting its sound upward and outwards. If you are using one of the Sends to feed a signal from the Acoustic Monitor Pro to



a large house P.A., or to an Acoustic Monitor Pro, then this is ideal for you. Point it toward yourself, and adjust the levels to provide the best amount of sound from your vantage point.

An optional mounting kit enables you to place the Acoustic Monitor Pro or Acoustic Monitor Pro on a stand for maximum sound dispersion. If you need some dispersion and want to hear the Acoustic Monitor Pro without laying it on its side, then consider setting it on a chair or similar object (make sure it can support the amplifier's weight!).

The Acoustic Monitor also makes an excellent wall-mounted speaker and it's wedge-like shape fits easily into room corners.

## OPTIONAL ACCESSORIES

Please contact Fishman Audio at 978-988-9665 for more information.

- **PA STAND MOUNTING KIT:** allows you to mount your Acoustic Monitor Pro to a variety of PA Stands. (See Photo)
- **CARRYING BAG:** made of durable padded nylon.



## CARE OF YOUR ACOUSTIC MONITOR PRO

Your Fishman Acoustic Monitor Pro is designed for roadworthiness and is protected by a rotationally molded polyethylene enclosure. All knobs and switches are recessed to prevent accidental damage, and the speaker and tweeter are protected by a steel grille. Some simple care will keep your Acoustic Monitor Pro looking good and working well for many years to come.

- **DON'T ABUSE YOUR ACOUSTIC MONITOR PRO**

Even the best-built equipment isn't indestructible. There is high-tech circuitry inside the enclosure, and the outside was designed to look good. Throwing, dropping, dragging, and otherwise roughing up your Acoustic Monitor Pro isn't going to prolong its life or make it work better. Therefore, treat it well.

- **KEEP IT DRY AND COMFORTABLE**

Your Acoustic Monitor Pro is an electrical device designed to operate in a dry environment. Don't use it near water or in the rain, or in damp basements. And certainly don't store it in harsh environmental conditions, such as in a damp basement, a leaky garage, or the trunk of your car (especially in the summer - temperatures can reach more than 150 degrees Fahrenheit in there - ouch!). A road case or slipcover, or even the box it came in can prevent scuffing and jostling when it's traveling with you.

- **NEVER OPEN YOUR ACOUSTIC MONITOR PRO OR TRY TO MODIFY IT**

This is an electrical device, and there's high voltage inside. Besides being dangerous, opening the unit will void your warranty. Also, we designed every aspect of the Acoustic Monitor Pro very carefully, and it's not built for modifying or "hotrodding."

- **KEEP IT CLEAN**

You can vacuum the front and back of the Acoustic Monitor Pro, and you can wipe it clean with a damp rag.

NOTE: Always unplug the Acoustic Monitor Pro before any cleaning procedure. If it is especially dirty, you may use a weak solution of dishwashing liquid and water to wipe the surfaces clean. However, never submerge the Acoustic Monitor Pro in water, nor expose the speaker or tweeter to water.

## SPECIFICATIONS

### POWER

Low Frequency:	230 W RMS (5 sec.)
High Frequency:	40 W RMS (5 sec.)

### NOMINAL INPUT LEVELS

Balanced Input	-12 dBV
Unbalanced Input	-6 dBV

**INPUT OVERLOAD** 8 dBV

### INPUT STAGE IMPEDANCE

Balanced	3 kΩ
Unbalanced	1 MΩ

**OUTPUT TYPE** Electronically balanced XLR and Unbalanced 1/4"

**OUTPUT IMPEDANCE** XLR: 600Ω  
1/4": 300Ω

**NOMINAL OUTPUT LEVELS** 0 dBV

**SIGNAL TO NOISE RATIO** 87 dB (A-weighted, referred to nominal - 12 dBV input)

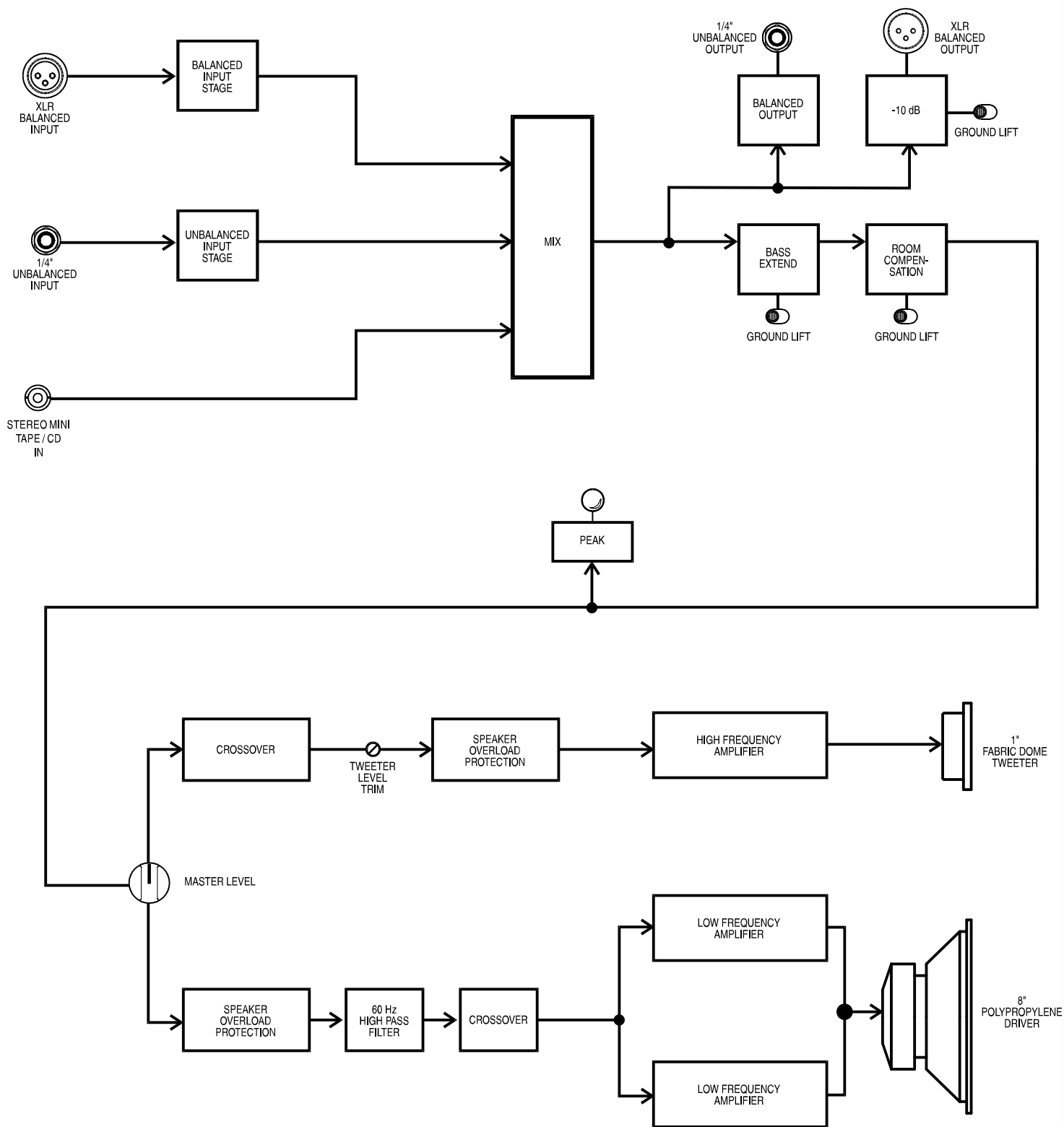
**OPERATING VOLTAGE** 115V or 230V AC 50/60 Hz

**WEIGHT** 29 lbs. (13.2 kg.)

**DIMENSIONS** 19.30" H x 15.15" W x 7.19" D

All specifications subject to change without notice

## BLOCK DIAGRAM



## LIMITED WARRANTY

The FISHMAN ACOUSTIC MONITOR PRO sold by authorized FISHMAN Dealers is warranted to the first consumer purchaser to be free of defects in material or workmanship under normal use and service for a period of one (1) year from the date of purchase, with the exception of the speakers which are warranted for a period of ninety (90) days from the date of purchase. If the ACOUSTIC MONITOR PRO is found to be defective within that period, it shall be repaired or replaced at the option of FISHMAN CUSTOMER SERVICE, without charge, provided that 1) the product was not misused, abused, improperly maintained or repaired by any person not authorized by FISHMAN, 2) its failure resulted from defect in material or workmanship and was not damaged by other than its intended use, 3) the product was not used under abnormal, excessive, or unusual operating conditions and 4) the product is promptly delivered prepaid to the seller at the place of purchase or to an authorized FISHMAN warranty service center together with proof of purchase within one (1) year from the date of purchase.

There are no warranties, expressed or implied, other than those expressed herein. Further, there is no warranty of merchantability or fitness for a particular purpose. This warranty does not cover units used for loan or rental.

Limitation of liability: the above warranty represents the purchaser's exclusive remedy and FISHMAN shall not be liable for any special, incidental, or consequential damages or expenses relating to the product sold.

Some states do not allow limitations on the duration of implied warranty or the exclusion may not apply to some purchasers. This warranty gives the purchaser specific legal rights and the purchaser may also have other rights which vary from state to state.

## RETURN POLICY

To return products to FISHMAN TRANSDUCERS, you must follow these steps...

1. Call FISHMAN TRANSDUCERS at 978-988-9199 for a Return Authorization Number ("RAN").
2. Enclose a copy of the original Bill of Sale as evidence of the date of purchase, with the product in its original packaging and a protective carton or mailer.
3. FISHMAN TRANSDUCERS' technicians will determine whether the item is covered by warranty or if it instead has been damaged by improper customer installation or other causes not related to defects in material or workmanship.
4. Warranty repairs or replacements will be sent automatically free of charge.
5. If FISHMAN TRANSDUCERS determines the item is not covered by warranty, we will notify you of the repair or replacement cost and wait for your authorization to proceed.



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