

# ***Ampeg***<sup>®</sup>

## **Pro Neo Bass Guitar Cabinets**



**PN-210HLF**



**PN-115HLF**



**PN-410HLF**

**Owner's Manual**



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**What's in the Box**

Pro Neo™ PN-115HLF, PN-210HLF, or PN-410HLF Bass Guitar Cabinet, Casters (PN-210HLF, and PN-410HLF only), Quick Start Guide.

**Introduction**

Welcome to the world of Ampeg. Whether this is your first experience with Ampeg, or you're a well-seasoned player who's been around the globe a few times with our gear, you are taking part in a piece of musical history. From here on out, nothing else will sound the same... everything else will pale in comparison. You are one of the lucky few to take part in a new chapter of an American legacy. Ampeg has come home! Each Pro Neo Series cabinet is designed and assembled right here in the U.S.A. We've heard from bass players around the globe about their dedication and commitment to Ampeg and the Pro Neo Series is made specifically for those players. Just our way of saying thank you and letting you know that we heard you loud and clear.

Ampeg is the standard by which all others are measured. We've been pounding bass player's chests and audience's booties for over 60 years now and we're not going to slow down anytime soon. From our early days of building "amplified pegs" for upright players to building the world famous, stadium rattling SVT®, Ampeg has been the choice for bassists, from touring professionals to weekend warriors and everyone in between. We were the first ones on the block listening and building gear for bass players. Heck, even our company's founding fathers were working, gigging players. When they weren't tinkering around the shop on new ideas, they were out in the clubs of New York earning their living. Not much has changed since then.

The average length of a hit song is 3 minutes and 40 seconds. We have been a part of most of those hits for over 60 years. Now that you own a piece of Ampeg history, we want to be a part of your next hit.

In order to get the most out of your new cabinet, please read this *Owner's Manual*, as well as the *Important Safety Instructions* included with your Pro Neo Bass Guitar Cabinet, before you begin playing.

On a personal note, the team at Ampeg would sincerely like to thank you for your support and dedication to our mission in bringing you some of the best amps and cabs the world has known. Best of luck in all of your musical endeavors!

Sincerely,

The dedicated team at Ampeg

## **Eminence Speakers**

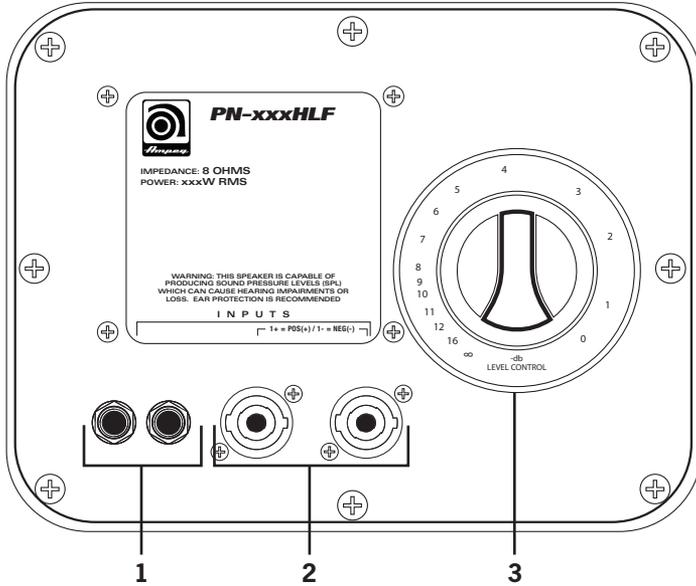
There are some relationships that go hand in hand in the music business. When it comes to building amplifiers and cabinets, nothing is more well suited than the relation between Ampeg and Eminence® Speakers. Ampeg commissioned Eminence Speakers decades ago to build one of the first 18" speakers used in an Ampeg amplifier. We've been calling on Eminence ever since to custom build speakers used in some of our most famous models. From the SVT-410HLF and stadium rattling SVT-810E, to the latest Heritage and Pro Neo Series, Eminence is at the heart and soul of our most loved cabinets! It's no secret what goes into building a great cabinet: innovative designs, superb materials, and world class components.



### **Impedance: The Golden Rule**

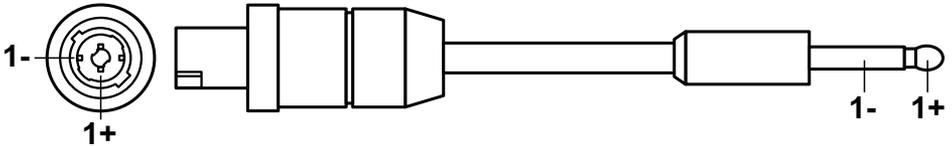
When it comes to tube amps, be sure that the output impedance of the amplifier matches the total impedance of the connected speaker cabinet or cabinets.

**Pro Neo Jackplate**

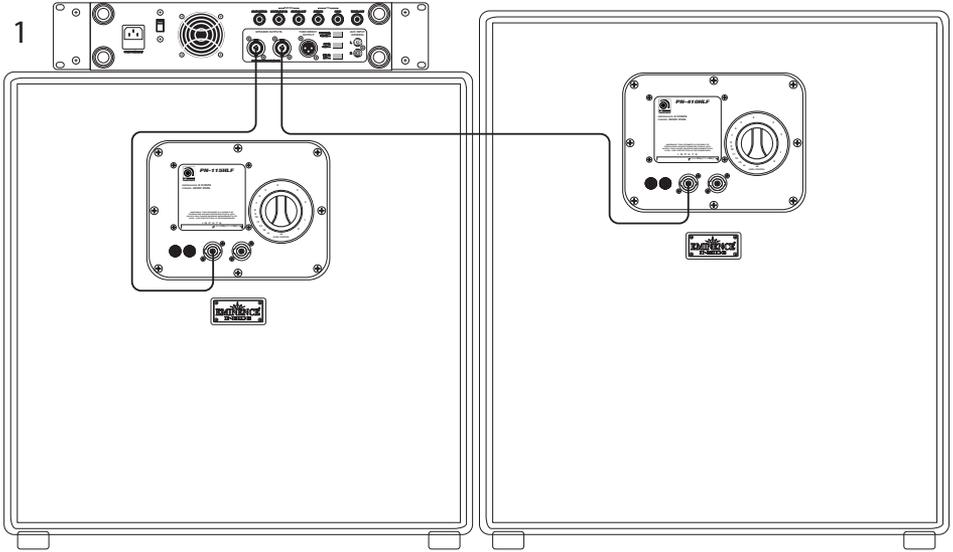


1. 1/4" Input / Output Jacks
2. Speakon® Input / Output Jacks
3. High Frequency Horn Level Control

**Speakon to 1/4" Wiring Diagram**

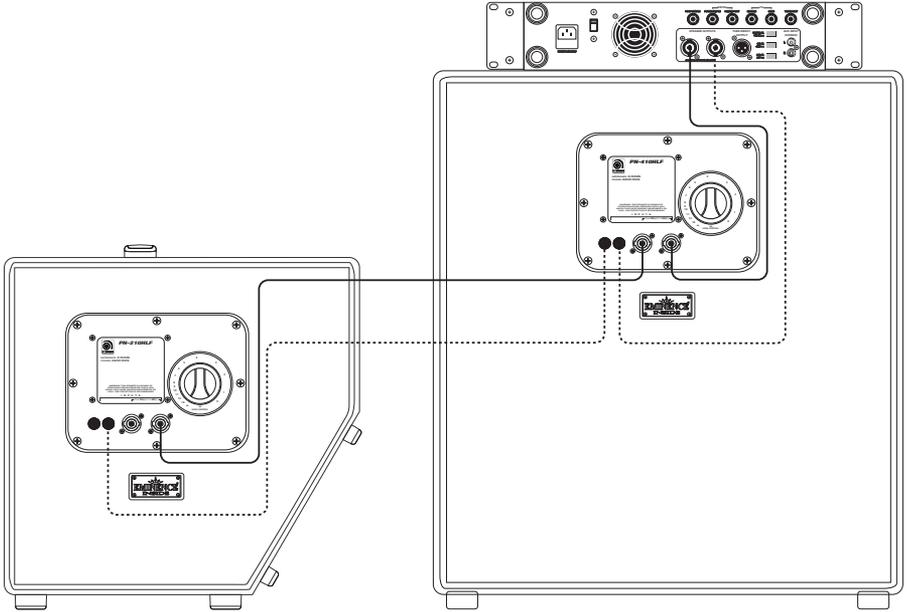


## Suggested Hookup Diagrams



1. A speaker cable with Speakon ends connects from one Speaker Output of the amplifier to the Speaker Input of an Ampeg Pro Neo PN-115HLF cabinet. Additionally, an Ampeg Pro Neo PN-410HLF cabinet is connected from the remaining Speaker Output of the amplifier to the cabinet's Speaker Input using a speaker cable with Speakon ends.

2



2. The above example is not as common, but works as an alternative connection. It is also a great way to daisy-chain multiple cabinets. A speaker cable with 1/4" or Speakon ends is connected from one Speaker Output of the amplifier to the Speaker Input of the Ampeg Pro Neo PN-410HLF cabinet. A Pro Neo PN-210HLF cabinet is connected by attaching another speaker cable from an open jack (thru) of the PN-410HLF to the Input jack of the additional PN-210HLF. Any variation and any quantity of Ampeg Pro Neo Series cabinets may be daisy-chained this way. This is just one example.



**WARNING:** Always use good quality (non-shielded) speaker cables. Never use (shielded) instrument cables to connect speakers to an amplifier. Also, do not use both cable routes listed in example #2 above. Use one route or the other, but not both!

## Technical Specifications

Type	PN-115HLF: 1x15 bass enclosure PN-210HLF: 2x10 bass enclosure PN-410HLF: 4x10 bass enclosure
Frequency Response (+/-3 dB)	PN-115HLF: 48 Hz – 10 kHz PN-210HLF: 70 Hz – 10 kHz PN-410HLF: 70 Hz – 10 kHz
Usable Low Frequency (-10 dB)	PN-115HLF: 28 Hz PN-210HLF: 40 Hz PN-410HLF: 38 Hz
RMS Power Handling	PN-115HLF: 575 Watts PN-210HLF: 550 Watts PN-410HLF: 850 Watts
Impedance	All: 8 ohms
Sensitivity	PN-115HLF: 98 dB SPL 1W/1m PN-210HLF: 97 dB SPL 1W/1m PN-410HLF: 100 dB SPL 1W/1m
Maximum SPL	PN-115HLF: 125 dB PN-210HLF: 124 dB PN-410HLF: 127 dB
Components	PN-115HLF: 1 custom designed 400 Watt, 15" speaker, 1 Eminence HF driver PN-210HLF: 2 custom designed 200 Watt, 10" speakers, 1 Eminence HF driver PN-410HLF: 4 custom designed 200 Watt, 10" speakers, 1 Eminence HF driver
Size (H x W x D)	PN-115HLF: 23.5 in/597 mm (with feet) x 22.8 in/578 mm x 17.5 in/445 mm PN-210HLF: 18.0 in/456 mm (with feet) x 22.8 in/578 mm x 17.3 in/439 mm PN-410HLF: 26.5 in/673 mm (with feet) x 22.8 in/578 mm x 17.5 in/445 mm
Weight (approximate)	PN-115HLF: 59 lb/26.8 kg PN-210HLF: 44 lb/20.0 kg PN-410HLF: 64 lb/29.0 kg

Pro Neo Series cabinets are coated with a durable paint and splatter finish. Clean with a dry, lint-free cloth. Never spray cleaning agents on the Pro Neo cabinets. Avoid abrasive cleansers which would damage the finish.

Ampeg continually develops new products and improves upon existing ones. For this reason, the specifications and information in this manual are subject to change without notice.

## Warranty and Support

Visit [WWW.AMPEG.COM](http://WWW.AMPEG.COM) to...

- (1) ...identify **WARRANTY** coverage provided in your local market. Please keep your sales receipt in a safe place.
- (2) ...**REGISTER** your product.
- (3) ...**CONTACT** Technical Support, or call 818-575-3600.

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Yamaha Guitar Group, Inc.  
26580 Agoura Road, Calabasas, CA 91302-1921 USA  
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