

Owners Guide for the



PR-1832HE & PR-1528HE Bass Enclosures

*INSPIRED BY STEVE BAILEY
AND VICTOR WOOTEN!*





PR-1832HE / PR-1528HE Bass Enclosure

INTRODUCTION:

Inspired by two of the most accomplished bassists of our day, Ampeg's new PR-1832HE and PR-1528HE Bass Enclosures are truly a performing musician's dream come true. Outstanding sound and legendary Ampeg performance have been embodied in rugged, stylish cabinets which are incredibly road-worthy and surprisingly manageable.

The PR-1832HE is a four-way full range bass speaker system inspired by Victor Wooten. This enclosure packs the punch of traditional 2-10 / 4-10 cabinets, but with the added advantage of the built-in 18" subwoofer. This enclosure is designed for high SPL and low distortion. The frequency response is smooth and accurate all the way down to 35Hz.

The PR-1832HE features a a single 18", 400 watt, 4" diameter flat wound voice coil sub low frequency transducer, two 10", 150 watt low frequency transducers, two 6 -1/2", 75 watt closed-back mid-frequency transducers, and a bullet horn tweeter. This cabinet is biampable between the 18" sub and the 2-10" low frequency components. Tilt-back cabinet design, 3" dolly-style casters and a heavy-duty rear bar handle make the cabinet easy to move around. Heavy-duty self-retracting side handles facilitate loading and unloading.

The PR-1528HE is a three-way full range bass speaker system inspired by Steve Bailey. This enclosure is a small full range powerhouse with an incredibly smooth frequency response, designed specifically for true, accurate sound reproduction to please the most demanding bassist either on stage or in the studio.

The PR-1528HE features a a single 15", 300 watt, 4" diameter flat wound voice coil low frequency transducer, two 8", 100 watt mid frequency transducers and a bullet horn tweeter. The cabinet is biampable between the 15" low frequency driver and the 2-8" drivers. Four removable swivel casters and heavy-duty self-retracting side handles make the cabinet easy to move.

FEATURES:

- Switchable "Full Range" and "Biamp" operation.
- High power handling: 400 watts RMS / 800 watts program (PR-1528HE), 600 watts RMS / 1200 watts program (PR-1832HE)
- Rugged carpet covered cabinet with extensive internal bracing, tuned low frequency section, and internally enclosed mid and high frequency sections.
- Slanted front to accommodate both near and far field use.
- Road-tough 16GA perforated steel grill.
- Full-range frequency response.
- Neutrik® Speakon connectors.

Speakon® is a registered trademark of Neutrik USA

CAUTION: THIS UNIT IS CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED, AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME. THE CHART BELOW SHOWS THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS WHICH WERE IN EFFECT AT THE TIME OF THIS PUBLICATION FOR PERMISSIBLE NOISE EXPOSURE, PER 29CFR1910.95, TABLE G-16:

SOUND LEVEL DBA, SLOW RESPONSE	DURATION PER DAY IN HOURS	SOUND LEVEL DBA, SLOW RESPONSE	DURATION PER DAY IN HOURS
90	8	102	1 - 1/2
92	6	105	1
95	4	110	1/2
97	3	115	1/4 or less
100	2		

ACCORDING TO OSHA, ANY EXPOSURE IN EXCESS TO THESE AMOUNTS LISTED ABOVE COULD RESULT IN SOME HEARING LOSS.



PR-1832HE / PR-1528HE Bass Enclosure

OPERATION:

The PR-1832HE and PR-1528HE are full range speaker cabinets and can be powered by a single full range amplifier, or bi-amped with one amp for the lows and another for the mids and highs. Either the 1/4" speaker jacks or the Speakon® jacks may be used for connecting to the cabinet. The two 1/4" jacks are internally wired in parallel to each other, as are the two Speakon® jacks. This enables daisy-chaining two or more cabinets together, providing you match your amplifier to the overall impedance load.

FULL RANGE OPERATION:

- Set the Mode switch to the "Full Range" position.
- **1/4" JACKS:** Connect the output of your amplifier to either of the two 1/4" jacks labeled "Full Range Inputs (Bi-amp Low Inputs)." Use the remaining 1/4" jack to daisy chain to another cabinet, if desired.
- **SPEAKON® JACKS:** Connect the output of your amplifier to either of the two Speakon® jacks. Use the remaining Speakon® jack to daisy chain to another cabinet, if desired. For full range, wire the Speakon® connectors as follows:

Pin 1+ : Full Range positive (+)

Pin 1- : Full Range negative (-)

BI-AMP OPERATION:

- Set the Mode switch to the "Biamp" position.
- Set the crossover point for the amplifiers somewhere in the 100Hz to 300Hz range. Once up and running, adjustments within this range may be made to suit your personal listening palate.
- **1/4" JACKS:** Connect the output of your *low frequency* amplifier to either of the two 1/4" jacks labeled "Full Range Inputs (Bi-amp Low Inputs)."
- Connect the output of your *mid/high frequency* amplifier to the 1/4" jack labeled "Bi-amp High Input." (the 1/4" jacks do not allow daisy chaining in the biamp mode.)
- **SPEAKON® JACKS:** Connect the Biamp output of your amplifier to either of the two Speakon® jacks. Use the remaining Speakon® jack to daisy chain to another cabinet, if desired. For biamping, wire the Speakon® connectors as follows:

Pin 1+ : Biamp Low positive (+)

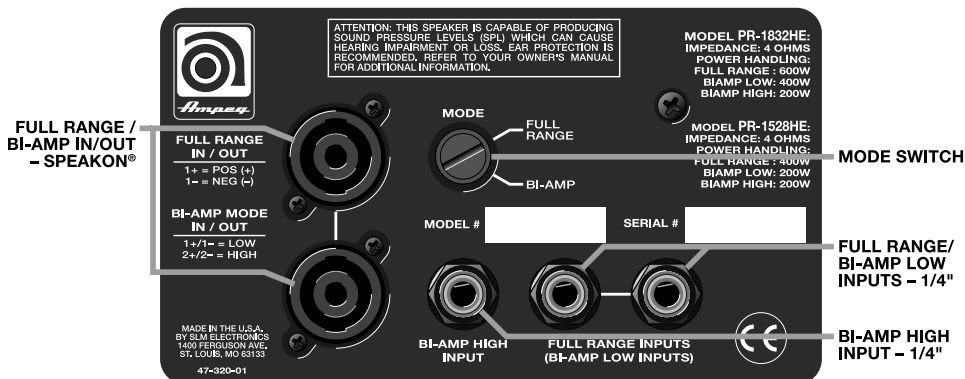
Pin 2+ : Biamp High positive (+)

Pin 1- : Biamp Low negative (-)

Pin 2- : Biamp High negative (-)

Caution: Power handling for certain components can be lower in Biamp mode, check the label for maximum ratings and use appropriate amplifier settings!

INPUT JACKPLATE (located on rear of cabinet):





PR-1832HE / PR-1528HE Bass Enclosure

TECHNICAL SPECIFICATIONS:	PR-1832HE	PR-1528HE
Impedance	4 ohms	4 ohms
RMS Power Handling	600 watts	400 watts
Program Power Handling	1200 watts	800 watts
Frequency Response (-3dB)	42Hz-18kHz	48Hz-18kHz
Frequency Range (-6dB)	38Hz-20kHz	42Hz-20kHz
Low Frequency Limit (-10dB)	30Hz	36Hz
Nominal Sensitivity (1W/1M)	100dB	96dB
Maximum SPL	127dB	122dB
Crossover Frequencies (Internal)	200Hz, 1kHz, 5kHz	200Hz, 4kHz
Dimensions (H x W x D)	39" x 24" x 24"	27" x 24" x 24"
Weight	167 lbs	105 lbs

DRIVER COMPLEMENT AND RATINGS IN BI-AMP MODE:

Mid/High Frequency Section:

Average Power Handling:	300 watts	200 watts
Impedance	4 ohms	4 ohms
Useful Response	100Hz-20kHz	200Hz-20kHz

Midrange Cone Loudspeakers:

Size:	2 x 10" Cast	2 x 8"
Voice Coil:	2.5" Dia	2" Dia
Magnet Wt.	59 oz.	30 oz.
Size:	2 x 6-1/2"	-N/A-
Voice Coil:	1" Dia	-N/A-
Magnet Wt.:	30 oz.	-N/A-

High Frequency Driver:

Throat Size:	3/4"	3/4"
Voice Coil:	1.25" Dia	1.25" Dia
Magnet Wt.:	14 oz.	14 oz.

Low Frequency Section:

Average Power Handling:	400 watts	300 watts
Impedance:	4 ohms	4 ohms
Useful Response:	35Hz-300Hz	45Hz-500Hz
Size:	18"	15"
Voice Coil:	4" Edge Wound	4" Edge Wound
Magnet Wt.	109 oz. (6.8 lbs)	109 oz. (6.8 lbs)

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



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