

# acoustic®

## CLASS D | NEODYMIUM SERIES

### BASS AMPLIFIERS

OWNER'S MANUAL



HIGH POWER CLASS D HEADS



LIGHTWEIGHT CLASS D/NEODYMIUM BASS COMBOS



LIGHTWEIGHT NEODYMIUM-LOADED BASS CABINETS

**3 Three Year Limited Warranty:** Subject to the limitations set forth below, Acoustic® hereby represents and warrants that the components of this product shall be free from defects in workmanship and materials, including implied warranties of merchantability or fitness for a particular purpose, subject to normal use and service, for three (3) years to the original owner from the date of purchase.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement

**FCC Statements**

1. Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. 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 generate, uses, and can radiate radio frequency energy and , in 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 receiver
  - Connect the equipment into 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

of equipment and property, and any costs of recovering, reprogramming, or reproducing any program or data stored in equipment that is used with Acoustic® products. This guarantee gives you specific legal rights. You may have other legal rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

The information contained herein is correct at the time of publication; yet, due to continuing improvement and development, Acoustic® reserves the right to alter specifications without prior notice.

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91359-5111

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## IMPORTANT SAFETY INSTRUCTIONS IMPORTANTES INSTRUCTIONS DE SECURITE

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use the attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

1. Lisez ces instructions.
2. Conservez ces instructions.
3. Respectez tous les avertissements.
4. Suivez toutes les instructions.
5. N'utilisez pas cet appareil près de l'eau.
6. Nettoyez avec un chiffon sec.
7. Ne bloquez pas les ouvertures de ventilation. Installez-les conformément aux instructions du fabricant.
8. Ne l'installez pas près de sources de chaleur telles que des radiateurs, des ouvertures, des poêles ou d'autres appareils (incluant les amplificateurs) produisant de la chaleur.
9. Ne contournez pas le dispositif de sécurité de la fiche polarisée ou masse. Une fiche polarisée possède deux lames dont une plus large que l'autre. Une fiche de terre a deux lames et une troisième broche de masse. La lame large ou la troisième broche sont fournies pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, consultez un électricien pour le remplacement de la prise obsolète.
10. Protégez le cordon d'alimentation pour qu'il ne soit pas piétiné ou pincé, en particulier au niveau des fiches, des prises de courant et du point de sortie de l'appareil.
11. Utilisez uniquement les fixations / accessoires spécifiés par le fabricant.
12. Utilisez uniquement avec le chariot, le stand, le trépied, le support de table spécifiés par le fabricant, ou vendus avec l'appareil. Lorsque vous utilisez un chariot, soyez prudent(e) lorsque vous déplacez le chariot / l'appareil pour éviter des blessures dues au renversement.

### DANGER

Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably to noise-induced hearing loss but most will lose some hearing if exposed to intense noise for a sufficient period of time.

The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

DURATION PER DAY (HOURS)	8	6	4	3	2	1
SOUND LEVEL (dB)	90	93	95	97	100	103

According to OSHA, any exposure in the above permissible limits could result in some hearing loss. Ear plugs or protectors in the ear canal or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss. If exposure in excess of the limits as put forth above, to insure against potentially harmful exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of inducing high sound pressure levels, such as this amplification system, be protected by hearing protectors while this unit is in operation.

### DANGER

L'exposition à des niveaux élevés de bruit peut provoquer une perte permanente de l'audition. Chaque organisme humain réagit différemment quant à la perte de l'audition, mais quasiment tout le monde subit une diminution de l'acuité auditive lors d'une exposition suffisamment longue au bruit intense. Les autorités compétentes en réglementation de bruit ont défini les expositions tolérées aux niveaux de bruits:

DURE EN HEURES PAR JOUR	8	6	4	3	2	1
INIVEAU SONORE CONTINU EN dB	90	93	95	97	100	103

Selon les autorités, toute exposition dans les limites citées ci-dessus, peuvent provoquer certaines pertes d'audition. Des bouchons ou protections dans l'appareil auditif ou sur l'oreille doivent être portés lors de l'utilisation de ce système d'amplification afin de prévenir le risque de perte permanente de l'audition. Dans le cas d'expositions supérieures aux limites précitées il est recommandé, afin de se prémunir contre les expositions aux pressions acoustiques élevées potentiellement dangereuses, aux personnes exposées aux équipements capables de délivrer de telles puissances, tels ce système d'amplification en fonctionnement, de protéger l'appareil auditif.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Refer all servicing to a qualified service professional. Servicing is required when the apparatus does not operate normally or has been damaged in any way, including damage to the power cord or plug, damage due to liquids spilled or objects dropped inside the unit, dropping the unit, or anything else that interrupts normal use of the unit.
16. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. When the MAINS plug, or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
18. Protective Ground Terminal: The apparatus shall be connected to an AC main socket with a protective earth ground connection



13. Débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant de longues périodes de temps.
14. Confiez toute réparation à un personnel qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque façon que ce soit, comme par exemple si le cordon d'alimentation ou la fiche sont endommagés, du liquide a été renversé ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.
15. Pour toutes interventions techniques s'adresser à un technicien qualifié. L'intervention technique est nécessaire lorsque l'appareil a été endommagé de n'importe quelle façon, comme par exemple si le cordon secteur ou sa fiche sont détériorés, si du liquide a coulé ou si des objets sont tombés à l'intérieur de l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.
16. ATTENTION: Pour réduire le risque d'incendie ou de choc électrique ne pas exposer l'appareil à la pluie ou à l'humidité.
17. Quand la prise MAINS, au coupler, est utilisé pour la source d'alimentation électrique. Il est conseillé de garder cette prise facilement accessible.
18. Borne de terre de protection: L'appareil doit être connecté à un connecteur AC principale avec un raccordement à la terre de protection.



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE CHASSIS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**ATTENTION**  
RISQUE DE CHOC ELECTRIQUE,  
NE PAS OUVRIR.

ATTENTION: AFIN DE LIMITER LE RISQUE DE CHOC ELECTRIQUE, NE PAS ENLEVER LE CHASSIS. NE CONTIENT PAS DE PIECES POUVANT ETRE REPARÉES PAR L'UTILISATEUR. CONFIER LE SERVICE APRES-VENTE AUX REPARATEURS AGRES.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF NON-INSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS

CE SYMBOLE APOUR BUT D'AVERTIR L'UTILISATEUR DE LA PRESENCE DE VOLTAGE DANGEREUX NON-ISOLE A L'INTERIEUR DE CE PRODUIT QUI PEUT ETRE DE PUISSANCE SUFFISAMMENT IMPORTANTE POUR PROVOQUER UN CHOC ELECTRIQUE AUX PERSONNES



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.

CE SYMBOLE APOUR BUT D'AVERTIR L'UTILISATEUR DE LA PRESENCE D'INSTRUCTIONS D'UTILISATION ET DE MAINTENANCE DANS LES DOCUMENTS FOURNIS AVEC CE PRODUIT



APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

AFIN DE REDUIRE LES RISQUE D'INCENDIE ET DE DECHARGE ELECTRIQUE, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE

### WELCOME

Congratulations on your purchase of a new Acoustic Class D/Neo Series bass amplifier. Founded as the Acoustic Control Corporation in Van Nuys, California in 1967, Acoustic is the rig of choice for many legendary touring musicians. If you're new to Acoustic amps, we encourage you to get in tune with its rich heritage at [www.acousticamplification.com/history.cfm](http://www.acousticamplification.com/history.cfm)

Your comments are important. We constantly improve our products based on feedback from musicians like you. Please feel free to contact us at [www.acousticamplification.com](http://www.acousticamplification.com) or send us an email at [info@acousticamplification.com](mailto:info@acousticamplification.com).

Welcome to Acoustic, the Pro's Tone Since 1967™.

### SPECIFICATIONS

#### Bass Heads

MODEL	B1000HD	B600HD	B300HD
<b>Power Rating</b>	1000W (RMS - 4 ohms)	600W (RMS - 4 ohms)	300W (RMS - 4 ohms)
<b>Inputs</b>	1/4" with -10dB pad and mute switch	1/4" with -10dB pad and mute switch	1/4" with -10dB pad and mute switch
<b>Power Amp Type</b>	Class-D	Class-D	Class-D
<b>Controls</b>	Master volume, overdrive volume, gain, blend	Master volume, overdrive volume, gain, blend	Master volume, overdrive volume, gain, blend
<b>Notch Filter</b>	Defeatable; adjustable from 50Hz to 1kHz	Defeatable; adjustable from 50Hz to 1kHz	Defeatable; adjustable from 50Hz to 1kHz
<b>Main EQ</b>	8-Band lit graphic (defeatable); master low & high EQ	6-Band lit graphic (defeatable); master low & high EQ	5-Band rotary EQ
<b>EQ Frequency</b>	Graphic EQ: 40Hz-63Hz-120Hz-350Hz-800Hz-1.6kHz-3.2kHz-6.8kHz	Graphic EQ: 50Hz-120Hz-350Hz-800Hz-1.6kHz-3.2kHz	Rotary EQ: 50Hz-120Hz-350Hz-800Hz-3.2kHz
<b>Super-Lo Boost</b>	Low pass shelf +3dB @ 40Hz	Low pass shelf +3dB @ 40Hz	Low pass shelf +3dB @ 40Hz
<b>Super-Hi Boost</b>	High pass shelf +2dB @ 7kHz	High pass shelf +2dB @ 7kHz	High pass shelf +2dB @ 7kHz
<b>Aux Input</b>	N/A	1/8"	1/8"
<b>Headphone Jack</b>	N/A	1/8"	1/8"
<b>Direct Out</b>	XLR w/Level control, pre-post EQ switch & ground lift	XLR w/Level control, pre-post EQ switch & ground lift	XLR w/Level control, pre-post EQ switch & ground lift
<b>Speaker Outs</b>	Dual locking-barrel type	1/4", locking-barrel type	1/4", locking-barrel type
<b>Effects Loop</b>	1/4" send/return (footswitchable)	1/4" send/return (footswitchable)	1/4" send/return (footswitchable)
<b>Compressor</b>	"Acousti-comp™" w/ defeat switch & indicator light	"Acousti-comp™" w/ defeat switch & indicator light	"Acousti-comp™" w/ defeat switch & indicator light
<b>Other</b>	Link in/out, tuner out; footswitchable channel (clean/overdrive)	Link in/out, tuner out; footswitchable channel (clean/overdrive)	Link in/out, tuner out; footswitchable channel (clean/overdrive)
<b>Dimensions (LxWxH)</b>	11.3" x 10.1" x 3"/28.6cm x 25.7cm 7.5cm	11.3" x 10.1" x 3"/28.6cm x 25.7cm 7.5cm	11.3" x 10.1" x 3"/28.6cm x 25.7cm 7.5cm
<b>Weight</b>	8.2 lbs/3.7kg	7.2 lbs/3.3kg	6.6 lbs/3.0kg
<b>Optional Accessories</b>	Acoustic bass head carry bag (Not included)	Acoustic bass head carry bag (Not included)	Acoustic bass head carry bag (Not included)

# CLASS D | NEODYMIUM SERIES

B300HD, B600HD, B1000HD, BN3112, BN3115, BN6210, BN410, BN210, BN112, BN115

## Combos

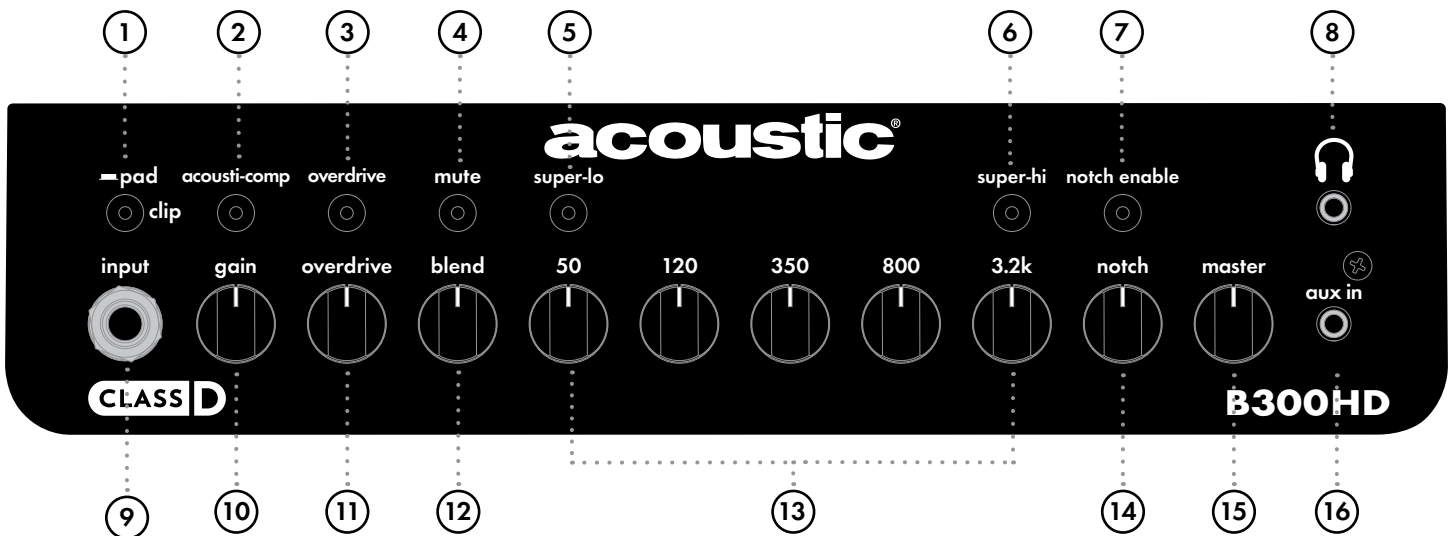
MODEL	BN6210	BN3115	BN3112
<b>Power Rating</b>	600 watts total (4 ohms); 300 watts as stand-alone combo (8 ohm internal speaker load). Full power achieved when external speaker is connected	300 watts total (4 ohms): 150 watts as stand-alone combo (8 ohm internal speaker load). Full power achieved when external speaker is connected	300 watts total (4 ohms): 150 watts as stand-alone combo (8 ohm internal speaker load). Full power achieved when external speaker is connected
<b>Speakers</b>	2 X 10" custom neodymium lo-frequency driver	1 X 15" custom neodymium lo-frequency driver	1 X 12" custom neodymium lo-frequency driver
<b>Port</b>	Shelf	Shelf	Rear
<b>Inputs</b>	1/4" with -10dB pad Switch/Mute/switch	1/4" with -10dB pad Switch/Mute/switch	1/4" with -10dB pad Switch/Mute/switch
<b>Power Amp Type</b>	Class-D	Class-D	Class-D
<b>Controls</b>	Master volume, overdrive volume, gain, blend	Master volume, overdrive volume, gain, blend	Master volume, overdrive volume, gain, blend
<b>Notch Filter</b>	Defeatable; adjustable from 50Hz to 1kHz	Defeatable; adjustable from 50Hz to 1kHz	Defeatable; adjustable from 50Hz to 1kHz
<b>EQ</b>	6-Band lit - graphic (defeatable); super-hi & super-lo boost switch, master low and high EQ	5-Band rotary EQ; super-hi & super-lo boost switch	5-Band rotary EQ; super-hi & super-lo boost switch
<b>EQ Frequency</b>	Graphic EQ: 50Hz-120Hz-350Hz-800Hz-1.6kHz-3.2kHz	Rotary EQ: 50Hz-120Hz-350Hz-800Hz-3.2kHz	Rotary EQ: 50Hz-120Hz-350Hz-800Hz-3.2kHz
<b>Super-Lo Boost</b>	Low Pass Shelf +3dB @ 40Hz	Low Pass Shelf +3dB @ 40Hz	Low Pass Shelf +3dB @ 40Hz
<b>Super-Hi Boost</b>	High Pass Shelf +2dB @ 7kHz	High Pass Shelf +2dB @ 7kHz	High Pass Shelf +2dB @ 7kHz
<b>Aux Input</b>	1/8"	1/8"	1/8"
<b>Headphone Jack</b>	1/8"	1/8"	1/8"
<b>Direct Out</b>	XLR w/Level control, pre-post EQ switch & ground lift	XLR w/Level control, pre-post EQ switch & ground lift	XLR w/Level control, pre-post EQ switch & ground lift
<b>Speaker Outputs</b>	1/4" or locking-barrel combo jack (can be used with 1/4" in center of jack)	1 1/4" or locking-barrel combo jack (can be used with 1/4" in center of jack)	1/4" or locking-barrel combo jack (can be used with 1/4" in center of jack)
<b>Effects Loop</b>	1/4" send/return	1/4" send/return	1/4" send/return
<b>Compressor</b>	"Acousti-comp™" w/ defeat switch & indicator light	"Acousti-comp™" w/ defeat switch & indicator light	"Acousti-comp™" w/ defeat switch & indicator light
<b>Other</b>	Link in/out, tuner out; footswitchable channel (clean/overdrive)	Link in/out, tuner out; footswitchable channel (clean/overdrive)	Link in/out, tuner out; footswitchable channel (clean/overdrive)
<b>Dimensions (LxWxH)</b>	20.1" x 15.4" x 28"/51cm x 39cm x 71cm	20.1" x 15.4" x 28"/51cm x 39cm x 71cm	16.2" x 13.4" x 20.5"/ 41.1cm x 34cm x 52cm
<b>Weight</b>	59.7 lbs./27.1kg	58 lbs/26.4kg	40 lbs/18.2kg

### Cabinets

MODEL	BN410	BN210	BN115	BN112
<b>Power Handling (RMS)</b>	800 Watts Rms/1600 Watts Peak	600 Watts Rms/1200 Watts Peak	500 Watts Rms/1000 Watts Peak	400 Watts Rms/800 Watts Peak
<b>Speakers</b>	4 X 10" custom neodymium lo-frequency driver	2X10" custom neodymium lo-frequency driver	1X 15" custom neodymium lo-frequency driver	1X 12" custom neodymium lo-frequency driver
<b>Hi-Frequency Driver</b>	Switchable	Switchable	Switchable	Switchable
<b>Inputs</b>	Dual 1/4" (parallel), locking barrel	Dual 1/4" (parallel), locking barrel	Dual 1/4" (parallel), locking barrel	Dual 1/4" (parallel), locking barrel
<b>Impedance</b>	8 Ohms	8 Ohms	8 Ohms	8 Ohms
<b>Handles</b>	Retractable spring-load (side)	Retractable spring-load (side); top pocket	Retractable spring-load (side)	Retractable spring-load (side); top pocket
<b>Caster Sockets</b>	Yes	N/A	Yes	N/A
<b>Port</b>	Front Facing Shelf	Rear	Rear	Rear
<b>Dimensions (LxWxH)</b>	24" x 16.1" x 27"/61.1cm x 41cm x 68.5cm	24" x 16.1" x 16.1"/61.1cm x 41cm x 41.01cm	24" x 16" x 24"/61cm x 40.6cm x 61cm	16.2" x 14.2" x 18.1" / 41.1cm x 36.1cm x 46cm
<b>Weight</b>	70.lbs/31.8kg	42.2 lbs/19.1kg	47.2 lbs/21.4kg	30lbs/13.6kg <i>Note: It is not recommended to pair the BN112 with the B1000HD.</i>

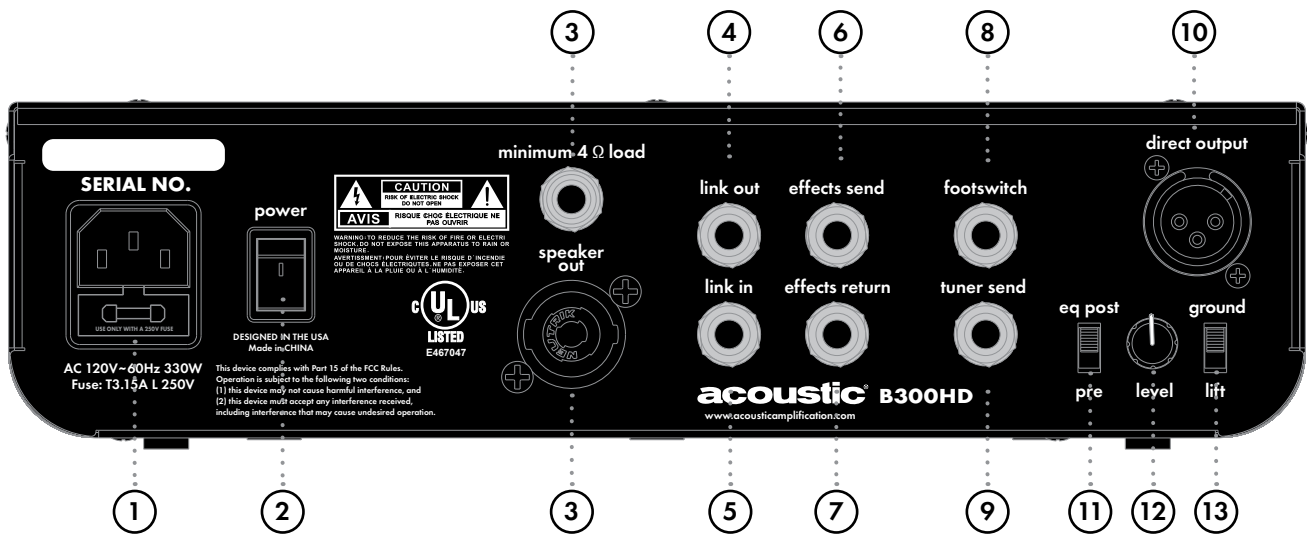
# CLASS D | NEODYMIUM SERIES

B300HD, B600HD, B1000HD, BN3112, BN3115, BN6210, BN410, BN210, BN112, BN115



## B300HD FRONT PANEL

1. Pad: Activates -10dB pad to reduce input sensitivity for use with active electronics basses or high output pickups. Indicator lights blue when hi gain creates preamp clipping
2. Acoustic-comp™: Activates the built-in compression circuit. Light indicates compressor is active.
3. On/Off Switch: Activates the Overdrive circuit
4. Mute: Mutes the input signal
5. Super-lo: activates low frequency boost (+3dB at 40Hz).
6. Super-hi: activates high frequency boost (+2dB at 7kHz).
7. Notch Enable: activates the notch filter (#14).
8. Headphone Output: 1/8" 3-conductor jack for plugging in headphones. When used, it will disconnect the internal speaker
9. Bass Input: 1/4" two-conductor jack  
*Note: Turn the volume all the way down before plugging in your guitar and adjust the volume according to your taste.*
10. Gain: Adjusts the input level signal gain of the amplifier
11. Overdrive: Controls the amount of overdrive when overdrive switch (#3) is engaged.
12. Blend: Adjusts the balance between the clean and overdrive channels when overdrive switch (#3) is engaged.
13. EQ: (knobs labeled 50 thru 3.2K): these adjust the EQ level from 0-10 at the noted frequencies
14. Notch: Adjusts the notch filter frequency from 50Hz (left) to 1kHz (right) when notch enable (#7) is engaged.
15. Master: Adjusts overall volume level of the amplifier
16. Aux In: This 3-conductor 1/8" media input jack will allow you to plug in a CD, MP3 player, or any other source so you can practice along. To control the volume of the source, adjust the output volume of the device.



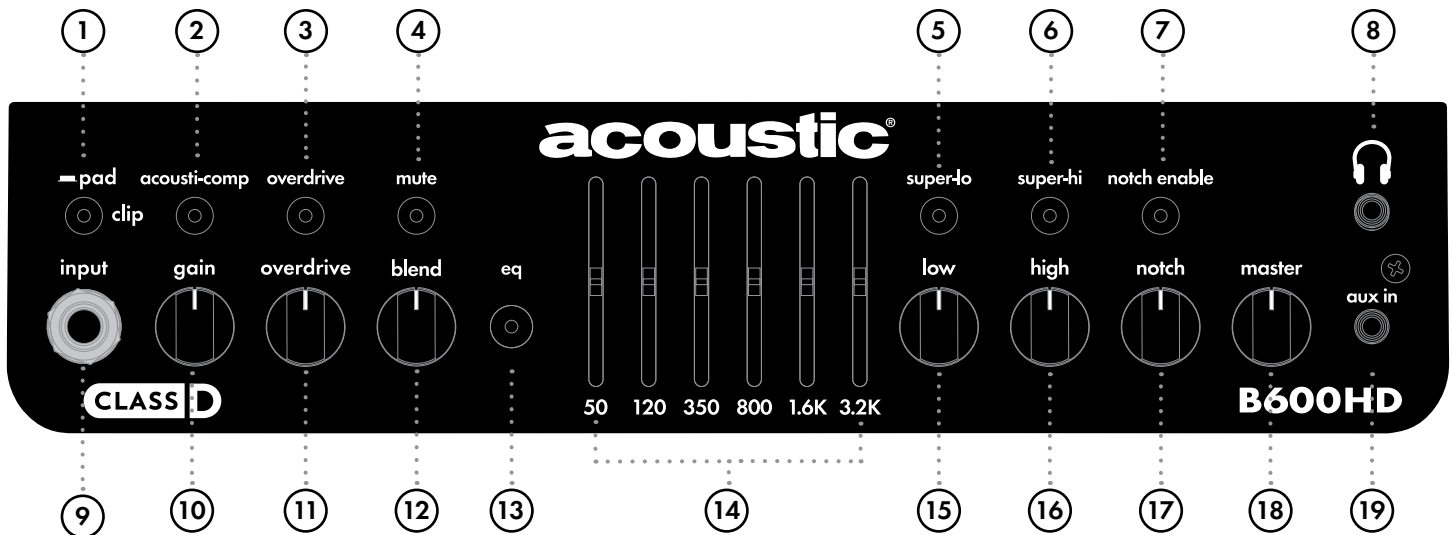
## B300HD BACK PANEL

1. AC Power Connection and Fuse: Connect included IEC power cable here. Fuse cap contains fuse for circuit protection
2. Power: Turns the amplifier on to ready for use
3. Speaker Outputs : 1/4" speaker jack and locking-barrel type jack for attaching external speakers (minimum 4 Ohm total load)
4. Link Out: Output to another Acoustic™ bass head. Allows user to run the B300HD in Master Mode to control another amp head. This allows the user to link 2 heads together for more power and speakers controlled from one master amplifier
5. Link In: Input from another Acoustic™ bass head. Allows user to run the B300HD in Slave Mode controlled from another amp head. This allows the user to link 2 heads together for more power and speakers controlled from one master amplifier
6. Effects Send: 1/4" two-conductor jack sends signal to an external effects or signal processing device
7. Effects Return: 1/4" two-conductor jack returns signal from an external effects or signal processing device
8. Footswitch: 1/4" Tip/Ring/Sleeve jack for attaching optional 2 button latching footswitch. Controls Overdrive on/off and effects loop on/off
9. Tuner Send: Attach electronic instrument tuner via 1/4" 2 conductor instrument cable
10. Direct Output: XLR direct balanced output connector jack for connection to external PA or direct box
11. Pre/Post EQ Switch: Switches direct balanced output between pre and post EQ operation
12. Level: Adjusts the level of the direct output signal
13. Ground Lift: Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used



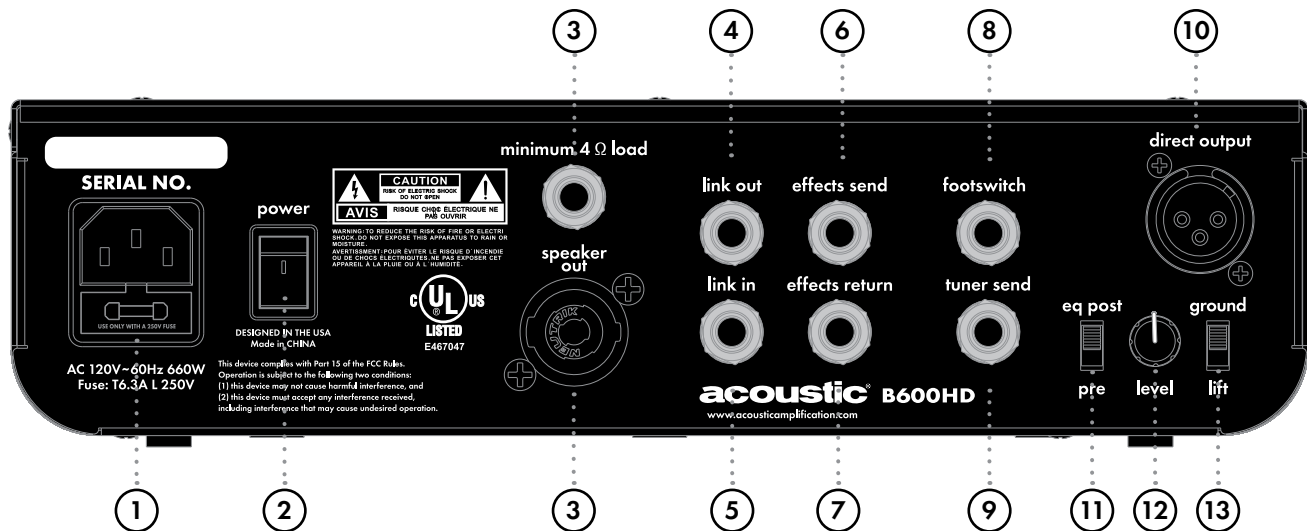
# CLASS D | NEODYMIUM SERIES

B300HD, B600HD, B1000HD, BN3112, BN3115, BN6210, BN410, BN210, BN112, BN115



## B600HD FRONT PANEL

1. Pad: Activates -10dB pad to reduce input sensitivity for use with active electronics basses or high output pickups . Indicator lights blue when hi gain creates preamp clipping
2. Acoustic-comp™: Activates the built-in compression circuit. Light indicates compressor is active.
3. On/Off Switch: Activates the Overdrive circuit
4. Mute: Mutes the input signal
5. Super-lo: activates low frequency boost (+3dB at 40Hz).
6. Super-hi: activates high frequency boost (+2dB at 7kHz).
7. Notch Enable: activates the notch filter (#17).
8. Headphone Output: 1/8" 3-conductor jack for plugging in headphones. When used, it will disconnect the internal speaker
9. Bass Input: 1/4" two-conductor jack  
*Note: Turn the volume all the way down before plugging in your guitar and adjust the volume according to your taste.*
10. Gain: Adjusts the input level signal gain of the amplifier
11. Overdrive: Controls the amount of overdrive when overdrive switch (#3) is engaged.
12. Blend: Adjusts the balance between the clean and overdrive channels when overdrive switch (#3) is engaged.
13. EQ On/Off: engages the graphic EQ sliders (#14) when depressed. Indicator button and EQ sliders will light when active.
14. Graphic EQ (sliders labeled 50 thru 3.2K): These sliders increase or decrease the level of the associated frequency
15. Lo EQ: adjusts overall low frequency EQ +/-12dB @ 60Hz
16. Hi EQ: adjusts overall high frequency EQ +/-12dB @6kHz
17. Notch: Adjusts the notch filter frequency from 50Hz (left) to 1kHz (right) when notch enable (#7) is engaged.
18. Master: Adjusts overall volume level of the amplifier
19. Aux Input: This 3-conductor 1/8" media input jack will allow you to plug in a CD, MP3 player, or any other source so you can practice along. To control the volume of the source, adjust the output volume of the device.

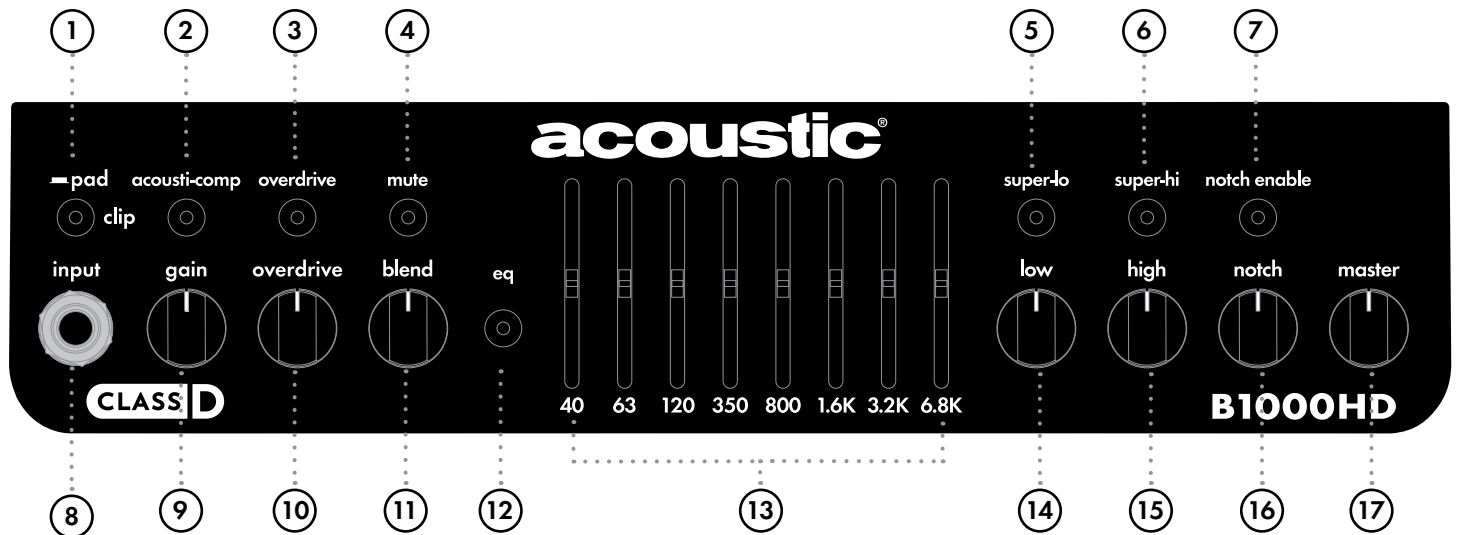


### **B600HD BACK PANEL**

1. AC Power Connection and Fuse: Connect included IEC power cable here. Fuse cap contains fuse for circuit protection
2. Power: Turns the amplifier on to ready for use
3. Speaker Outputs : 1/4" speaker jack and locking-barrel type jack for attaching external speakers (minimum 4 Ohm total load)
4. Link Out: Output to another Acoustic™ bass head. Allows user to run the B600HD in Master Mode to control another amp head. This allows the user to link 2 heads together for more power and speakers controlled from one master amplifier
5. Link In: Input from another Acoustic™ bass head. Allows user to run the B600HD in Slave Mode controlled from another amp head. This allows the user to link 2 heads together for more power and speakers controlled from one master amplifier
6. Effects Send: 1/4" two-conductor jack sends signal to an external effects or signal processing device
7. Effects Return: 1/4" two-conductor jack returns signal from an external effects or signal processing device
8. Footswitch: 1/4" Tip/Ring/Sleeve jack for attaching optional 2 button latching footswitch. Controls Overdrive on/off and effects loop on/off
9. Tuner Send: Attach electronic instrument tuner via 1/4" 2 conductor instrument cable
10. Direct Output: XLR direct balanced output connector jack for connection to external PA or direct box
11. Pre/Post EQ Switch: Switches direct balanced output between pre and post EQ operation
12. Level: Adjusts the level of the direct output signal
13. Ground Lift: Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used

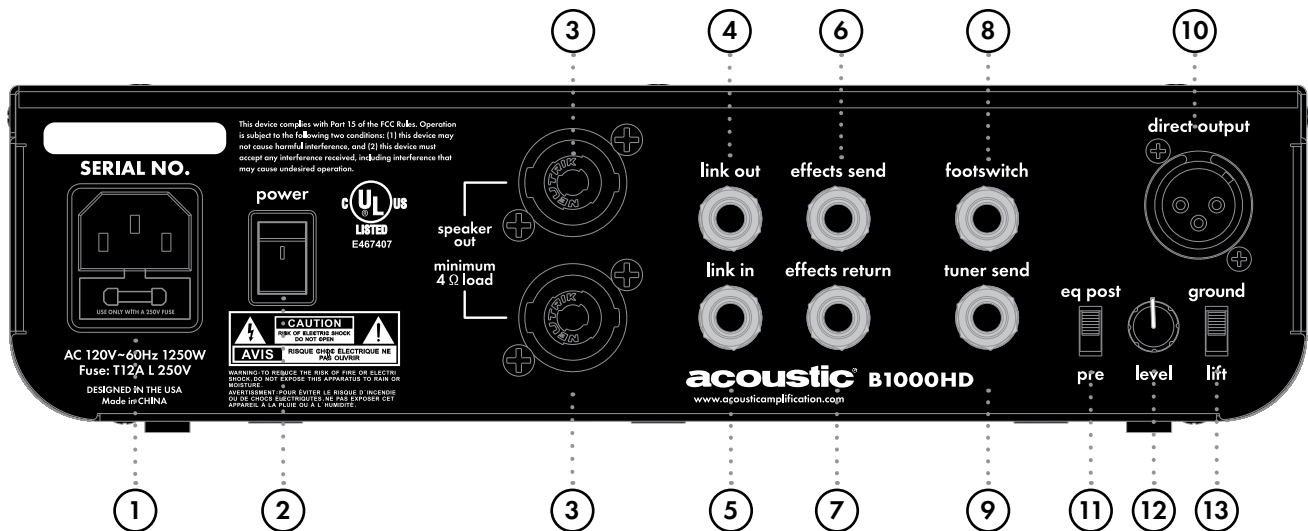
# CLASS D | NEODYMIUM SERIES

B300HD, B600HD, B1000HD, BN3112, BN3115, BN6210, BN410, BN210, BN112, BN115



## B1000HD FRONT PANEL

1. Pad: Activates -10dB pad to reduce input sensitivity for use with active electronics basses or high output pickups . Indicator lights blue when hi gain creates preamp clipping
2. Acoustic-comp™: Activates the built-in compression circuit. Light indicates compressor is active.
3. On/Off Switch: Activates the Overdrive circuit
4. Mute: Mutes the input signal
5. Super-lo: activates low frequency boost (+3dB at 40Hz).
6. Super-hi: activates high frequency boost (+2dB at 7kHz).
7. Notch Enable: activates the notch filter (#16).
8. Bass Input: 1/4" two-conductor jack  
*Note: Turn the volume all the way down before plugging in your guitar and adjust the volume according to your taste.*
9. Gain: Adjusts the input level signal gain of the amplifier
10. Overdrive: Controls the amount of overdrive when overdrive switch (#3) is engaged.
11. Blend: Adjusts the balance between the clean and overdrive channels when overdrive switch (#3) is engaged.
12. EQ On/Off: engages the graphic EQ sliders (#13) when depressed. Indicator button and EQ sliders will light when active.
13. Graphic EQ (sliders labeled 40 – 6.8K): These sliders increase or decrease the level of the associated frequency
14. Lo EQ: adjusts overall low frequency EQ +/-12dB @ 60Hz
15. Hi EQ: adjusts overall high frequency EQ +/-12dB @6kHz
16. Notch: Adjusts the notch filter frequency from 50Hz (left) to 1kHz (right) when notch enable (#7) is engaged.
17. Master: Adjusts overall volume level of the amplifier



## B1000HD BACK PANEL

1. AC Power Connection and Fuse: Connect included IEC power cable here. Fuse cap contains fuse for circuit protection
2. Power: Turns the amplifier on to ready for use
3. Speaker Outputs : 2 X locking-barrel type jack for attaching external speakers (minimum 4 Ohm total load)
4. Link Out: Output to another Acoustic™ bass head. Allows user to run the B600HD in Master Mode to control another amp head. This allows the user to link 2 heads together for more power and speakers controlled from one master amplifier
5. Link In: Input from another Acoustic™ bass head. Allows user to run the B600HD in Slave Mode controlled from another amp head. This allows the user to link 2 heads together for more power and speakers controlled from one master amplifier
6. Effects Send: 1/4" two-conductor jack sends signal to an external effects or signal processing device
7. Effects Return: 1/4" two-conductor jack returns signal from an external effects or signal processing device
8. Footswitch: 1/4" Tip/Ring/Sleeve jack for attaching optional 2 button latching footswitch. Controls Overdrive on/off and effects loop on/off
9. Tuner Send: Attach electronic instrument tuner via 1/4" 2 conductor instrument cable
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11. Pre/Post EQ Switch: Switches direct balanced output between pre and post EQ operation
12. Level: Adjusts the level of the direct output signal
13. Ground Lift: Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used

# CLASS D | NEODYMIUM SERIES

B300HD, B600HD, B1000HD, BN3112, BN3115, BN6210, BN410, BN210, BN112, BN115



**BN6210**



**BN3115**



**BN3112**

## **BASS COMBOS**

**BN6210:** 600 watt, 2 x 10" bass combo featuring our B600HD combined with two 10" custom Neodymium speakers.  
Front facing shelf port.

**BN3115 :** 300 watt, 1 X 15" bass combo featuring our B300HD combined with a custom 15" Neodymium speaker.  
Front facing shelf port

**BN3112:** 300 watt, 1 x 12" compact bass combo featuring our B300HD combined with a custom 12" Neodymium speaker.  
Rear port.

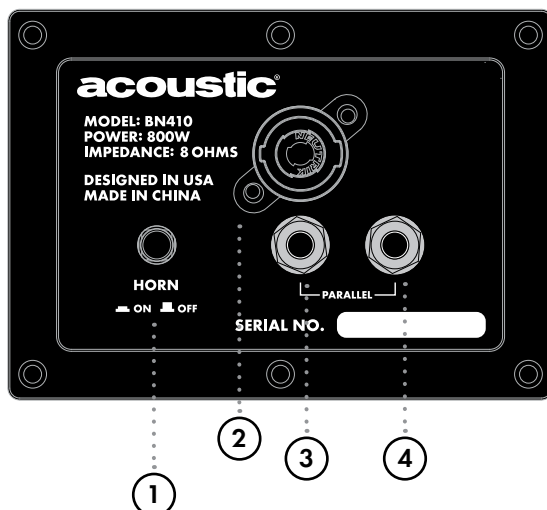


## BASS CABINETS

Our custom Neodymium drivers are nestled into a real plywood cabinet for lighter weight and superior performance. Front or rear ports allow for extended bass response, while a defeatable hi-frequency driver allows control of extended high end.

Available in 4 configurations:

- BN410:** 4X10" Neodymium speakers, 800W RMS/1600W peak power handling, 8 ohm impedance, front-facing shelf port for extreme low end.
- BN210:** 2X10" Neodymium speakers, 600W RMS/1200W peak power handling, 8 ohm impedance, rear facing port for a tight, super-focused low end
- BN115:** 1X15" Neodymium speaker, 500W RMS/1000W peak power handling, 8 ohm impedance, rear facing port provides warm, fat low end.
- BN112:** 1X12" Neodymium speaker, 400W RMS/800W peak power handling, 8 ohm impedance, rear facing port in a super-compact enclosure for extreme portability. A perfect complement for our BN3112 combo.



1. Horn On/Off Switch: Engages Piezo horn when in depressed position
2. Combo Locking Speaker Connector Jack: Connect amplifier head to speaker cabinet via locking connector or 1/4" speaker connector
3. Parallel 1/4" Speaker Jack: Connect amplifier head to speaker cabinet via 1/4" speaker connector. Can also use to connect another speaker cabinet (in parallel) via additional 1/4" speaker cable connector. Use left jack as input from amplifier head, and right jack as output to additional cabinet.
4. 1/4" Speaker Input Jack: Connect amplifier head to speaker cabinet via 1/4" speaker cable connector



**acoustic<sup>®</sup>**

**CLASS D | NEO DYMIUM SERIES**

**BASS AMPLIFIERS**