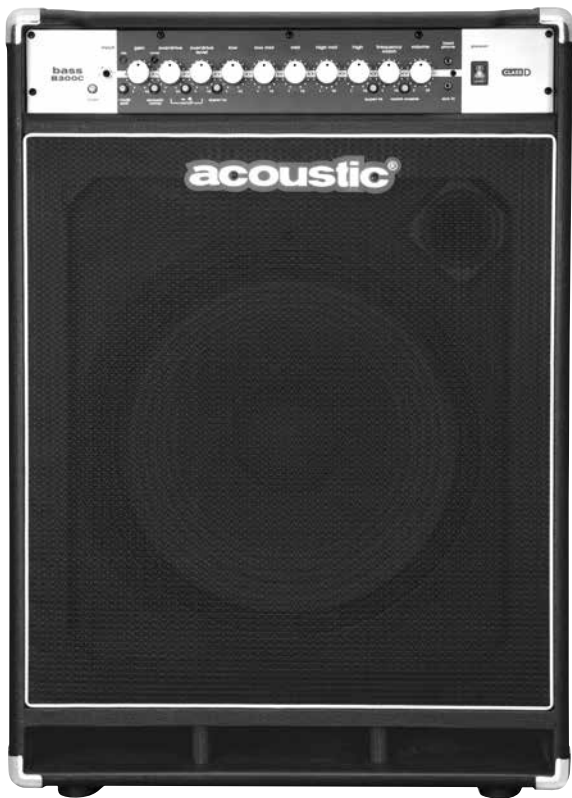


acoustic

B300C, B600C BASS GUITAR AMPS

OWNER'S MANUAL



B300C



B600C

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 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.

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

Acoustic
P.O. Box 5111
Thousand Oaks
CA 91359-5111

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IMPORTANT SAFETY INSTRUCTIONS

DANGER

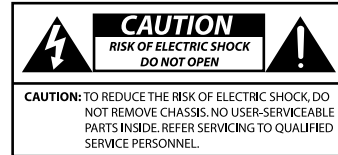
Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably to noise-induced hearing loss but most will lose some hearing if exposed to intense noise for a sufficient period of time.

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.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4. Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
6. Use only a dry cloth to clean this product.
7. Do not block any ventilation openings. The product should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources, such as radiators, heat registers, stoves or any other apparatus (including heat-producing amplifiers) that produces 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 being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.



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



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



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.

11. Only use attachments specified by the manufacturer.
12. When a cart is used, use caution when moving cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
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.



IMPORTANTES INSTRUCTIONS DE SECURITE

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.

1. Lire avec attention toutes les recommandations et précautions d'emploi avant d'utiliser ce produit.
2. Toutes les recommandations et précautions d'emploi doivent être conservées afin de pouvoir s'y reporter si nécessaire.
3. Lire et comprendre tous les avertissements énumérés dans les précautions d'emploi.
4. Suivre toutes les précautions d'emploi pour utiliser ce produit.
5. Ce produit ne doit pas être utilisé près d'eau, comme par exemple baignoires, éviers, piscine, sous-sol humides ... Etc.
6. Utiliser exclusivement un chiffon sec pour nettoyer ce produit.
7. Ne bloquer aucune ouverture de ventilation. Ne pas placer le produit tout contre un mur ou dans une enceinte fermée, cela générerait le flux d'air nécessaire au refroidissement.
8. Ne pas placer le produit près de toute source de chaleur telle que radiateurs, arrivées d'air chaud, fourneaux ou autres appareils générant de la chaleur (incluant les amplificateurs producteurs de chaleur).
9. Ne pas négliger la sécurité que procure un branchement polarisé ou avec raccordement à la terre. Un branchement polarisé comprend deux fiches dont l'une est plus large que l'autre. Un branchement à la terre comprend deux fiches plus une troisième reliée à la terre. Si la fiche secteur fournie ne s'insère pas dans votre prise de courant, consulter un électricien afin de remplacer votre prise obsolète.
10. Protéger le cordon d'alimentation de tout écrasement ou pincement, particulièrement au niveau des fiches, des réceptacles utilisés et à l'endroit de sortie de l'appareil. Ne pas casser la fiche de terre du cordon d'alimentation.



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



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



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

11. Utiliser uniquement les accessoires spécifiés par le constructeur.
12. Utiliser uniquement avec le chariot de transport, le support, le trépied, la console ou la table spécifiés par le constructeur ou vendus avec l'appareil. Lors de l'utilisation d'un chariot, bouger avec précaution l'ensemble chariot/appareil afin d'éviter les dommages d'un renversement.
13. Débrancher cet appareil lors d'orages ou s'il n'est pas utilisé pendant une longue période.
14. Des précautions doivent être prises afin qu'aucun objet ne tombe et qu'aucun liquide ne se répande à l'intérieur de l'appareil par les orifices de ventilation ou n'importe quelle autre ouverture.
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 acoulé 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.



WELCOME

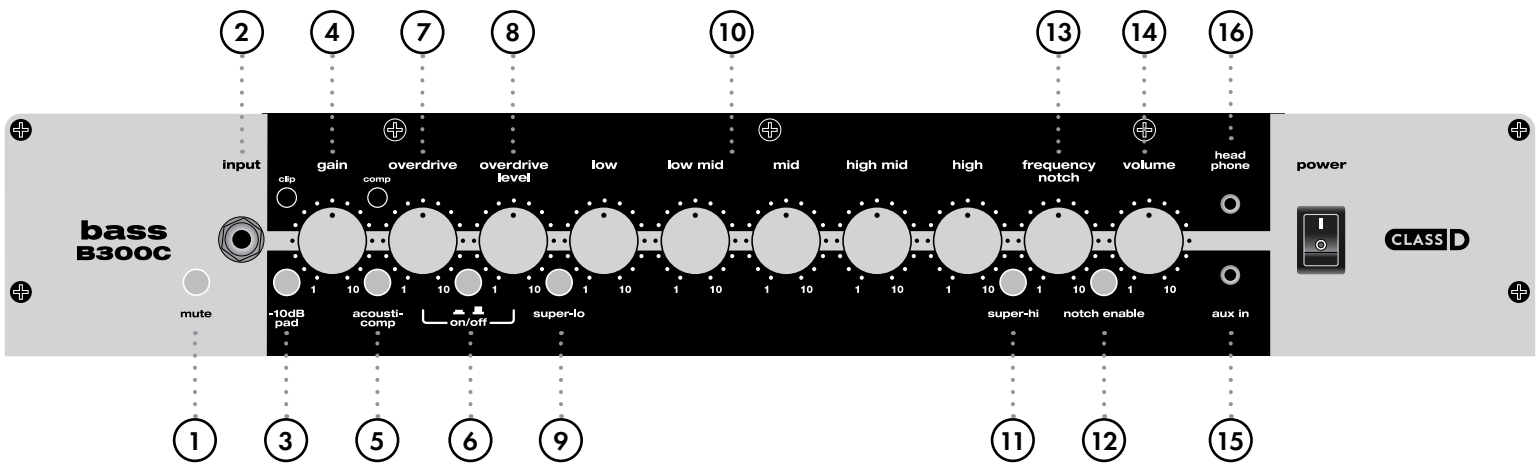
Congratulations on your purchase of a new Acoustic electric bass amplifier. Founded as the Acoustic Control Corporation in Van Nuys, California in 1967, Acoustic is the rig of choice for many legendary touring musicians. If you're new to Acoustic amps, we encourage you to get in tune with its rich heritage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

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.

SPECIFICATIONS

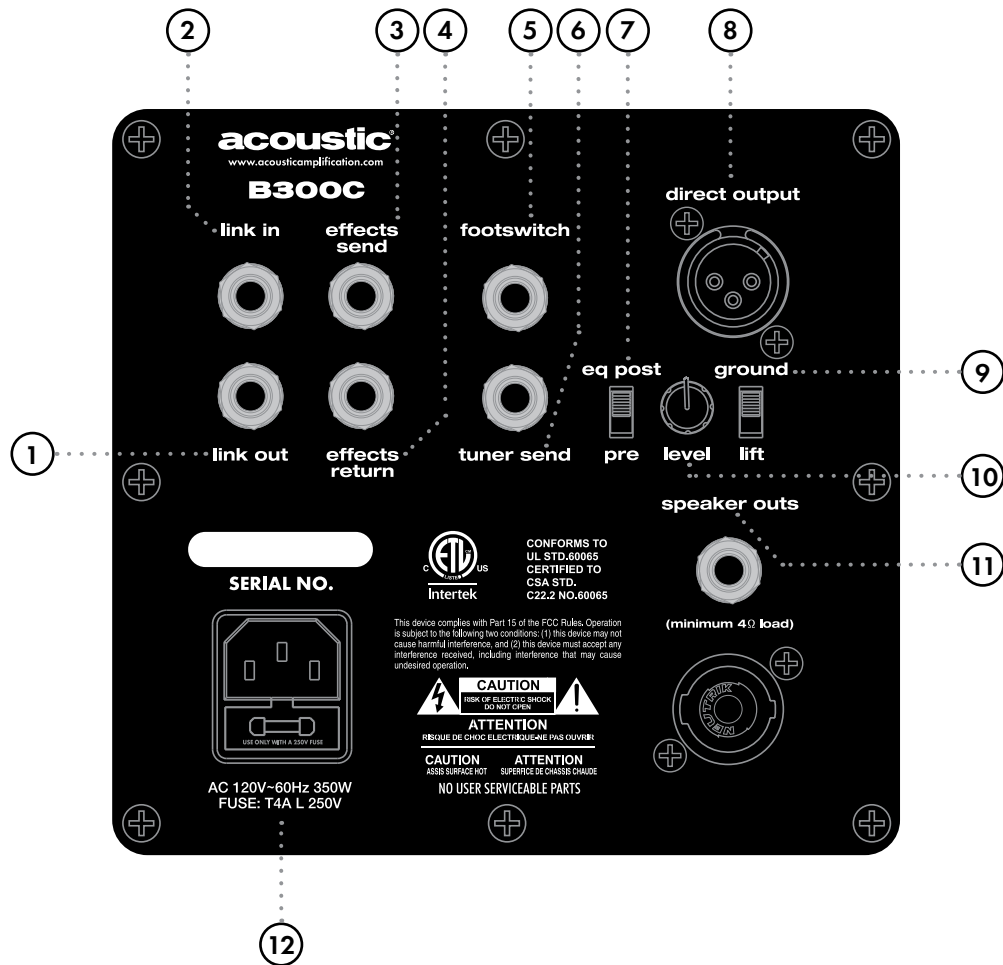
Combos

MODEL	B300C	B600C
Power Rating	300 watts total (4 ohms): 200 watts as stand-alone combo (8 ohm internal speaker load). Full power achieved when external speaker is connected	600 watts total (4 ohms); 420 watts as stand-alone combo (8 ohm internal speaker load). Full power achieved when external speaker is connected
Speakers	1 X 15" custom ferrite low-frequency driver, 1x Piezo Horn Tweeter	2 X 10" custom ferrite low-frequency driver, 1X Piezo Horn Tweeter
Port	Front Shelf	Front Shelf
Inputs	1/4" with -10dB pad Switch/Mute switch	1/4" with -10dB pad Switch/Mute switch
Power Amp Type	Class-D	Class-D
Controls	Master volume/overdrive volume, gain, blend	Master volume/overdrive volume, gain, blend
Notch Filter	Defeatable; adjustable from 50Hz to 1kHz	Defeatable; adjustable from 50Hz to 1kHz
EQ	5-Band rotary EQ; super-hi & super-lo boost switch	6-Band graphic EQ (defeatable); super-hi & super-lo boost switch, master low and high EQ
EQ Frequency	50Hz, 120Hz, 350Hz, 800Hz, 1.6K	Graphic EQ: 50Hz, 120Hz, 350Hz, 800Hz, 1.6k, 3.2k
Super-Lo Boost	Low Pass Shelf +3dB @ 40Hz	Low Pass Shelf +3dB @ 40Hz
Super-Hi Boost	High Pass Shelf +2dB @ 7kHz	High Pass Shelf +2dB @ 7kHz
Aux Input	1/8"	1/8"
Headphone Jack	1/8" output	1/8" output
Direct Out	XLR w/Level control, pre-post EQ switch & ground lift	XLR w/Level control, pre-post EQ switch & ground lift
Speaker Outputs	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)
Effects Loop	1/4" send/return	1/4" send/return
Compressor	"Acousti-comp™" w/ defeat switch & indicator light	"Acousti-comp™" w/ defeat switch & indicator light
Other	Link in/out, tuner out; footswitch (overdrive on/off, fx loop on/off)	Link in/out, tuner out; footswitch (overdrive on/off, fx loop on/off)
Dimensions (LxWxH)	20.1" x 15.4" x 28"/51cm x 39cm x 71cm	24.3" x 17.7" x 20.5"/62cm x 45cm x 52cm
Weight	58 lbs./26.4kg	62.8 lbs./28.5kg



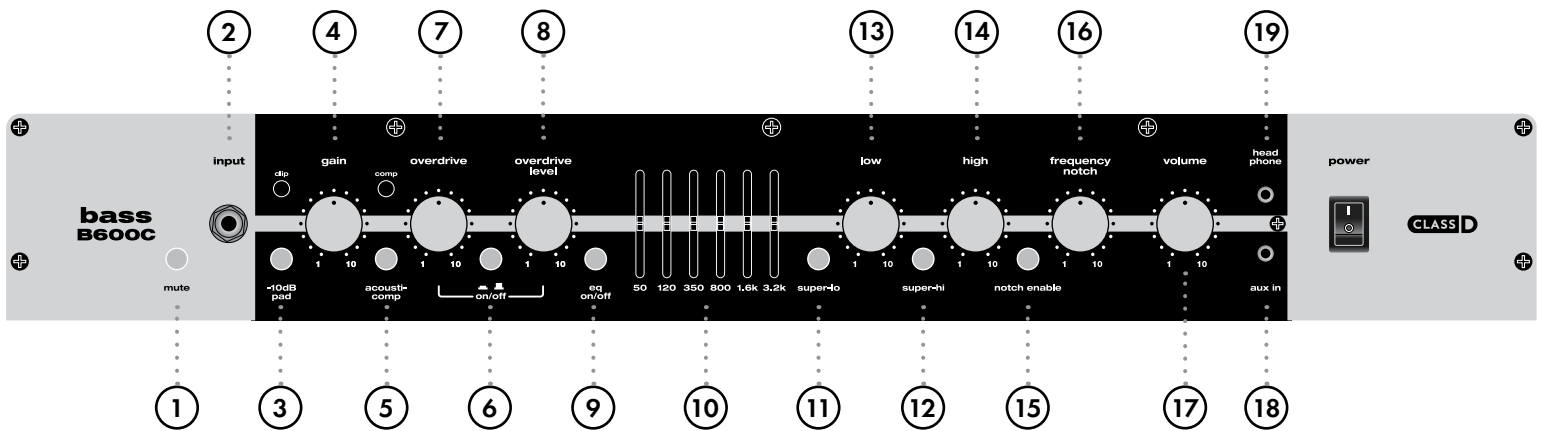
B300C FRONT PANEL

1. Mute: Mutes the input signal when pressed.
2. 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.
3. Pad: Activates -10dB pad to reduce input sensitivity for basses with active electronics or high output pickups.
4. Gain: Adjusts the input level signal gain of the amplifier.
Note: Clip indicator lights up when too much gain creates preamp clipping (usually undesirable)
5. Acoustic-comp™: Activates the built-in compression circuit. Light indicates compressor is active.
Note: Comp light only operates to indicate compressor is actively compressing the signal
6. On/Off Switch: Activates the Overdrive circuit.
7. Overdrive: Controls the amount of overdrive when overdrive switch (#6) is engaged.
8. Overdrive Level: Adjusts the balance between the clean and overdrive channels when overdrive switch (#6) is engaged.
9. Super-lo: activates low frequency boost (+3dB at 40Hz).
10. Equalization (knobs labeled Low, Low Mid, Mid, High Mid and High): 5 Bands of adjustable EQ.
11. Super-hi: activates high frequency boost (+2dB at 7kHz).
12. Notch Enable: activates the adjustable notch filter (#13).
13. Frequency Notch: Adjusts the notch filter frequency from 50Hz (left) to 1kHz (right) when notch enable (#12) is engaged.
14. Volume: Adjusts overall (master) volume level of the amplifier.
15. Aux In: This 3-conductor 1/8" media input jack will allow you to plug in any audio source with an 1/8" output jack for practice or to play along to. To control the volume of the source, adjust the output volume from the playback device.
16. Headphone: 1/8" 3-conductor output jack for plugging in headphones. When used, it will mute the internal speaker enabling silent play and practice.



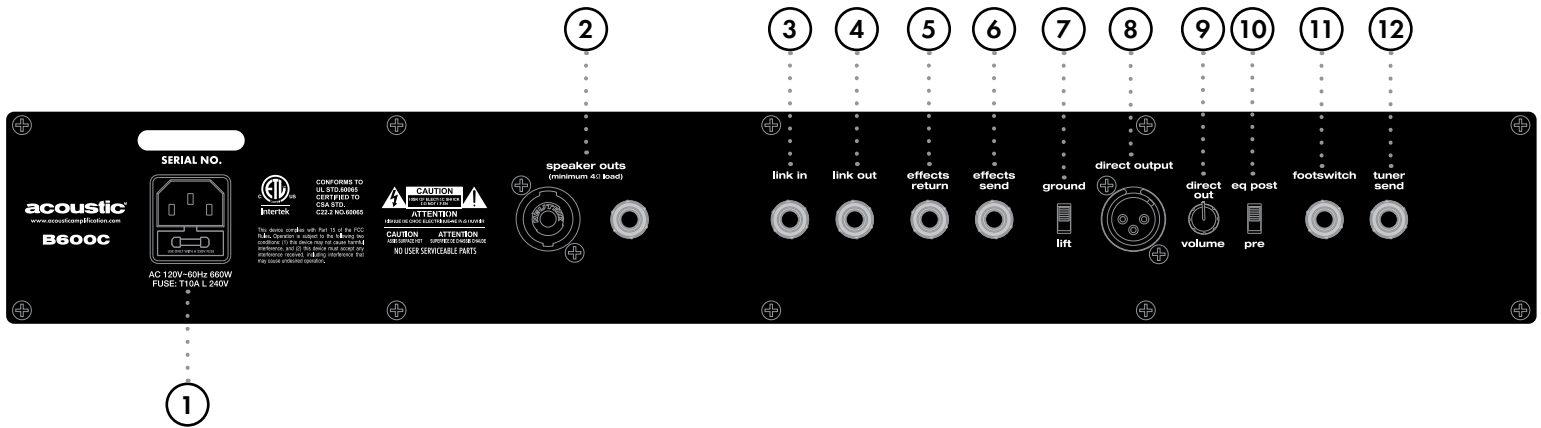
B300C BACK PANEL

- 1. Link Out:** Sends Output to another Acoustic™ bass combo or head with a ‘Link In’ input. This allows the user to link 2 combos or heads together for more power and allows the sound to be controlled from one master amplifier
- 2. Link In:** Accepts Input from another Acoustic™ bass combo or head’s ‘Link Out’ output. This allows the user to link 2 combos or heads together for more power and allows the sound to be controlled from one master amplifier
- 3. Effects Send:** 1/4" two-conductor jack sends signal to external effects or signal processing devices
- 4. Effects Return:** 1/4" two-conductor jack returns signal from external effects or signal processing devices
- 5. Footswitch:** 1/4" Tip/Ring/Sleeve jack for attaching an optional 2 button latching footswitch. Controls Overdrive on/off and Effects Loop on/off (*Note: Engage overdrive switch after connecting footswitch, then use attached footswitch to turn off/on overdrive*)
- 6. Tuner Send:** This provides an additional send for easy routing of the instrument signal to a tuner. Attach electronic instrument tuner via 1/4" two-conductor instrument cable
- 7. Pre/Post EQ Switch:** Switches the direct balanced output between pre and post EQ operation. In ‘pre’ setting, the instrument signal will be sent to the balanced output prior to any preamp EQ adjustments. In ‘post’ setting any EQ applied in the preamp stage will be present in the signal sent to the balanced output.
- 8. Direct Output:** XLR direct balanced output connector jack for connection to an external PA, sound board or recording console
- 9. Ground Lift Switch:** Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used
- 10. Level:** Adjusts the level of the direct output signal
- 11. Speaker Outputs:** 1/4" speaker jack and locking-barrel type jack for attaching external speakers (minimum 4 Ohm total load)
- 12. AC Power Connection and Fuse:** Connect included IEC power cable here. Fuse cap contains fuse for circuit protection



B600C FRONT PANEL

1. Mute: Mutes the input signal when pressed.
2. 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
3. Pad: Activates -10dB pad to reduce input sensitivity for basses with active electronics or high output pickups
4. Gain: Adjusts the input level signal gain of the amplifier.
Note: Clip indicator lights up when too much gain creates preamp clipping (usually undesirable)
5. Acoustic-comp™: Activates the built-in compression circuit.
Note: Comp light only operates to indicate compressor is actively compressing the signal
6. On/Off Switch: Activates the Overdrive circuit.
7. Overdrive: Controls the amount of overdrive when overdrive switch (#6) is engaged.
8. Overdrive Level: Adjusts the balance between the clean and overdrive channels when overdrive switch (#6) is engaged.
9. EQ On/Off: engages the graphic EQ and related EQ slider controls (#10) when depressed.
10. Graphic EQ (sliders labeled 50 thru 3.2K): These sliders increase or decrease the level of the associated frequency. Use these to surgically find and cut problem frequencies or boost desired frequencies that enhance the tone.
11. Super-lo: activates low frequency boost (+3dB at 40Hz).
12. Super-hi: activates high frequency boost (+2dB at 7kHz).
13. Lo EQ: adjusts overall low frequency EQ +/-12dB @ 60Hz.
14. Hi EQ: adjusts overall high frequency EQ +/-12dB @ 1.6kHz.
15. Notch Enable: activates the adjustable notch filter (#13).
16. Frequency Notch: Adjusts the notch filter frequency from 50Hz (left) to 1kHz (right) when notch enable (#12) is engaged.
17. Volume: Adjusts overall (master) volume level of the amplifier.
18. Aux In: This 3-conductor 1/8" media input jack will allow you to plug in any audio source with an 1/8" output jack for practice or to play along to. To control the volume of the source, adjust the output volume from the playback device.
19. Headphone: 1/8" 3-conductor output jack for plugging in headphones. When used, it will mute the internal speaker enabling silent play and practice.



B600C BACK PANEL

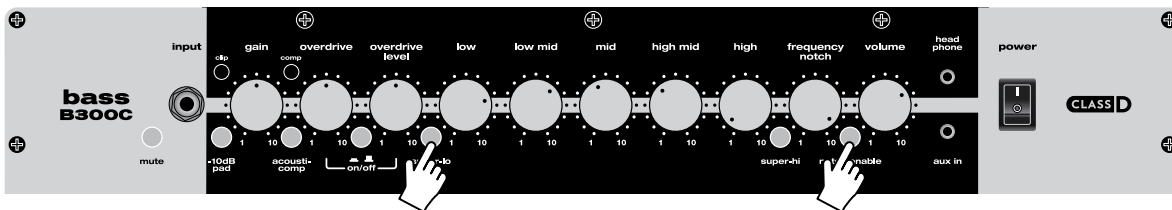
1. AC Power Connection and Fuse: Connect included IEC power cable here. Fuse cap contains fuse for circuit protection
2. Speaker Outputs: 1/4" speaker jack and locking-barrel type jack for attaching external speakers (minimum 4 Ohm total load)
3. Link In: Accepts Input from another Acoustic™ bass combo or head's 'Link Out' output. This allows the user to link 2 combos or heads together for more power and allows the sound to be controlled from one master amplifier
4. Link Out: Sends Output to another Acoustic™ bass combo or head with a 'Link In' input. This allows the user to link 2 combos or heads together for more power and allows the sound to be controlled from one master amplifier
5. Effects Return: 1/4" two-conductor jack returns signal from external effects or signal processing devices
6. Effects Send: 1/4" two-conductor jack sends signal to external effects or signal processing devices
7. Ground Lift Switch: Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used
8. Direct Output: XLR direct balanced output connector jack for connection to an external PA, sound board or recording console
9. Direct Output Volume: Adjusts the level of the direct output signal
10. Pre/Post EQ Switch: Switches the direct balanced output between pre and post EQ operation. In 'pre' setting, the instrument signal will be sent to the balanced output prior to any preamp EQ adjustments. In 'post' setting any EQ applied in the preamp stage will be present in the signal sent to the balanced output.
11. Footswitch: 1/4" Tip/Ring/Sleeve jack for attaching optional 2 button latching footswitch. Controls Overdrive on/off and Effects Loop on/off (Note: Engage overdrive switch after connecting footswitch, then use attached footswitch to turn off/on overdrive)
12. Tuner Send: This provides an additional send for easy routing of the instrument signal to a tuner. Attach electronic instrument tuner via 1/4" two-conductor instrument cable

SUGGESTED SETTINGS:

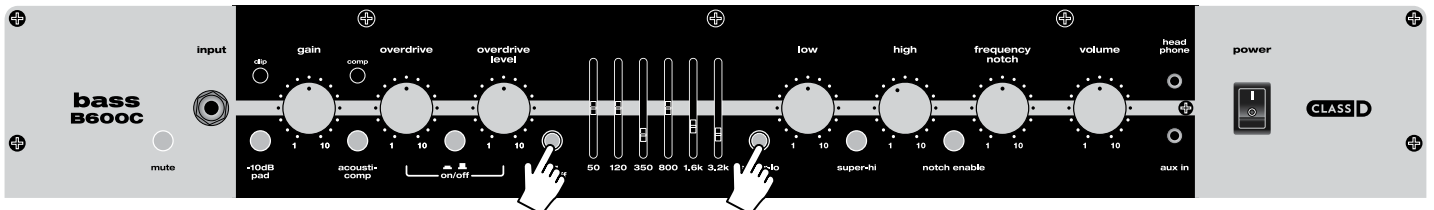
Remember you may need to adjust the settings for your individual instrument, but these suggested settings will provide a great starting point for several diverse and useful bass tones. Once you have these dialed in, listen as you move each knob in and out of its suggested position to customize the tone to you and your band or ensemble's needs.

Vintage: A darker tone that has a lot of low end presence and warmth and less high end detail. Works well when playing fingerstyle or with the thumb.

B300C

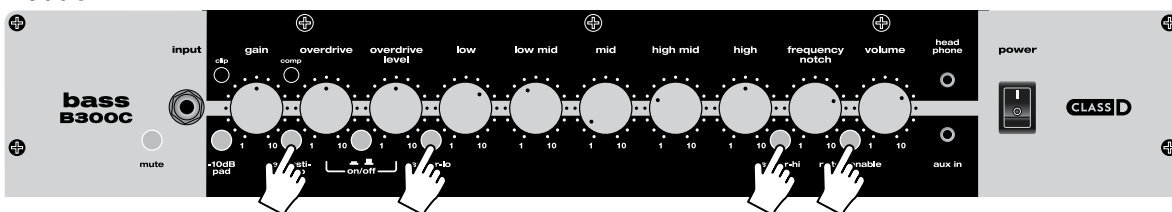


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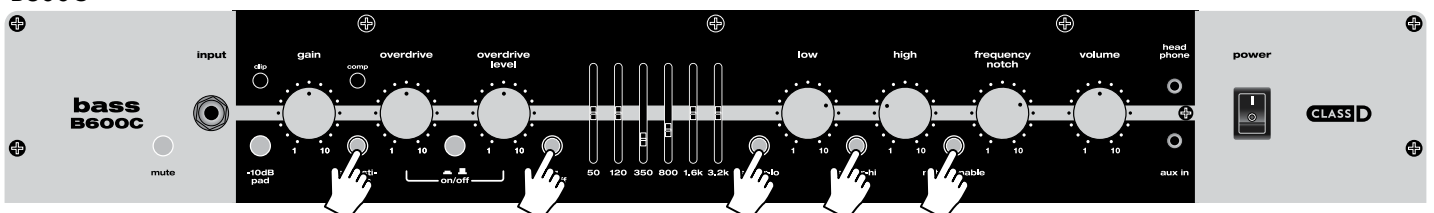


Modern & Slap: This is a more contemporary sound with big lows and detailed high end for a wide open tone. Useful for R&B or Gospel styles as well as Funk and Dance genres since the scooped mids leave sonic space for other sounds like vocals, guitars, keys or percussion. Experiment with the Super Hi switch control since some basses may not require the extreme high extension this provides while others will find it nice for extra detail and definition. For slap technique particularly, the frequency notch can pull out some of your harder, percussive attack noise to make your technique sound more musical.

B300C



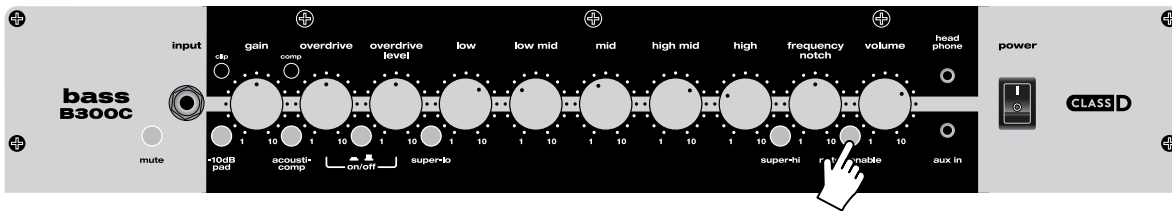
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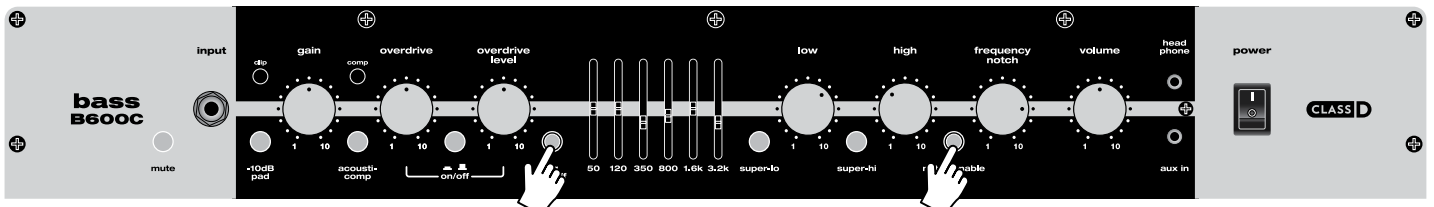
SUGGESTED SETTINGS:

Rock: This is a contemporary rock tone that can provide a starting point for a sound that mixes well with instruments like guitar, voice and drums. You may find that the notch provides a smoother sound when enabled, but with it disabled you will get a more lively and dynamic tone that can enhance your note's attack.

B300C

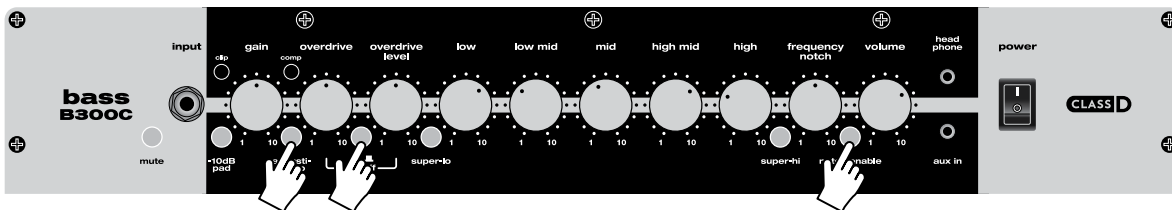


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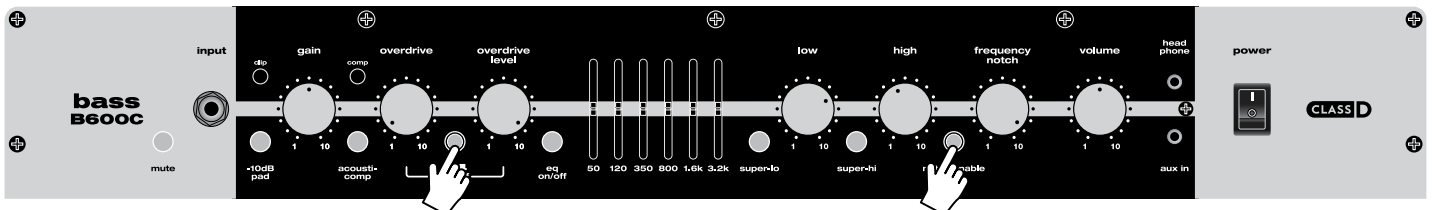


Subtle Tube-Like Drive: This tone is similar to the 'Rock' suggested settings, but adds in the Overdrive circuit to give the tone a slightly driven and saturated sound. With these settings you won't hear much fuzz or distortion in the signal, but turn the overdrive on and off while playing to notice the difference. With it on you should hear a 'thicker' sounding low end and a bit more presence in the high mids that can help you be heard amongst other instruments without turning up your master volume. Add more grit and grind by increasing the overdrive gain and level for a great Metal tone as well.

B300C



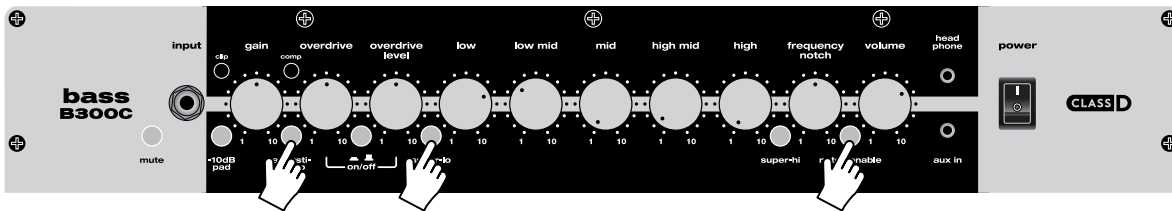
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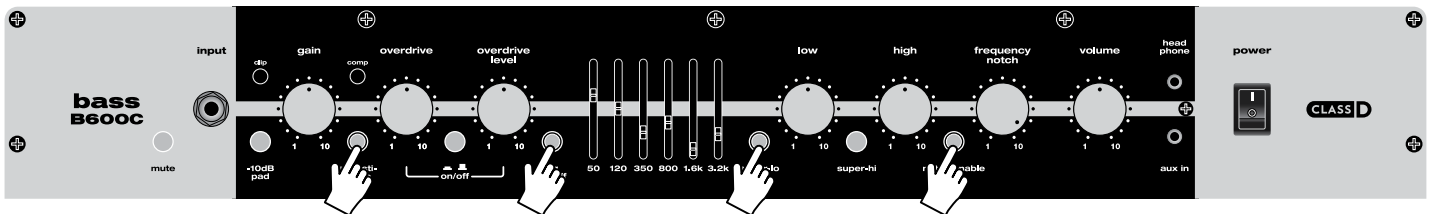
SUGGESTED SETTINGS:

Reggae or Dub: With this setting you get a massive amount of subby low end utilizing the Super-Lo switch, but still retain definition via dialing in the appropriate amount of Low Mids. High end is mostly rolled off, while the centered frequency notch helps maintain note clarity. This sound can be great for reggae tones or hip-hop and EDM productions.

B300C



B600C



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