

CB-SERIES

Bass Amplifiers

Item ref: 173.442, 173.443, 173.444, 173.445

User Manual



Introduction

Thank you for choosing our CB series bass amplifier. Please read this manual prior to use to avoid damage to the item. The CB range is specifically designed to give the bass player a powerful, dependable amplifier with enough useful features to suit a wide variety of situations from rehearsal to stage.

Warning

To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture. To prevent electric shock do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

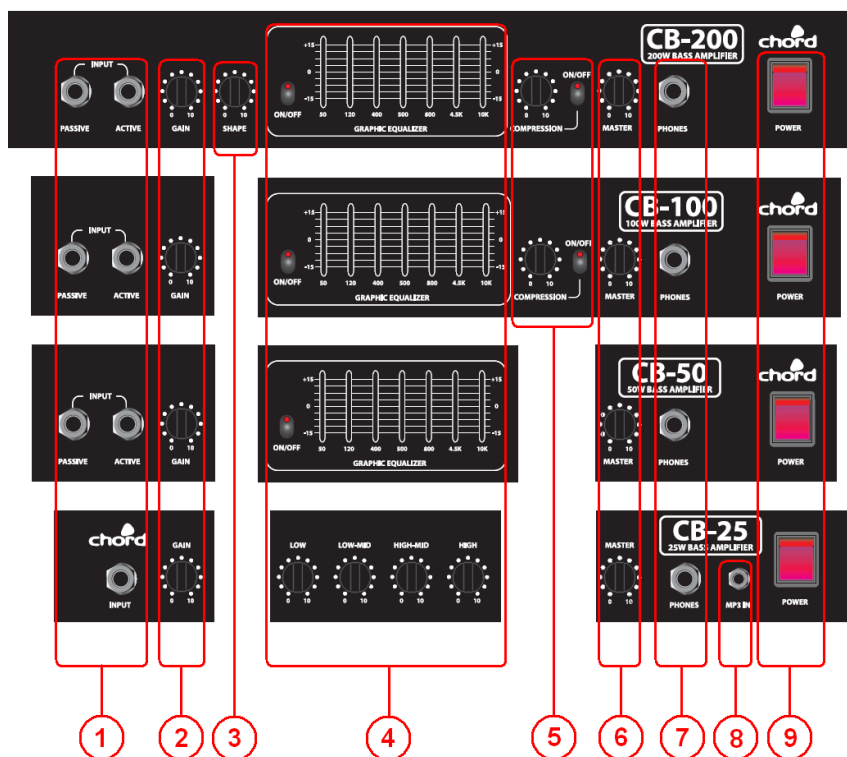
Safety

- Prior to connecting mains, ensure that the supply voltage is correct and the mains lead is in good condition.
- Avoid ingress of water or particles into the enclosure.
- If the mains fuse blows, refer the unit to qualified service personnel
- Keep the unit out of direct sunlight and away from heat sources.
- Place the unit in an upright position during use and storage.
- Keep the unit away from moisture or dusty environments.

Cleaning

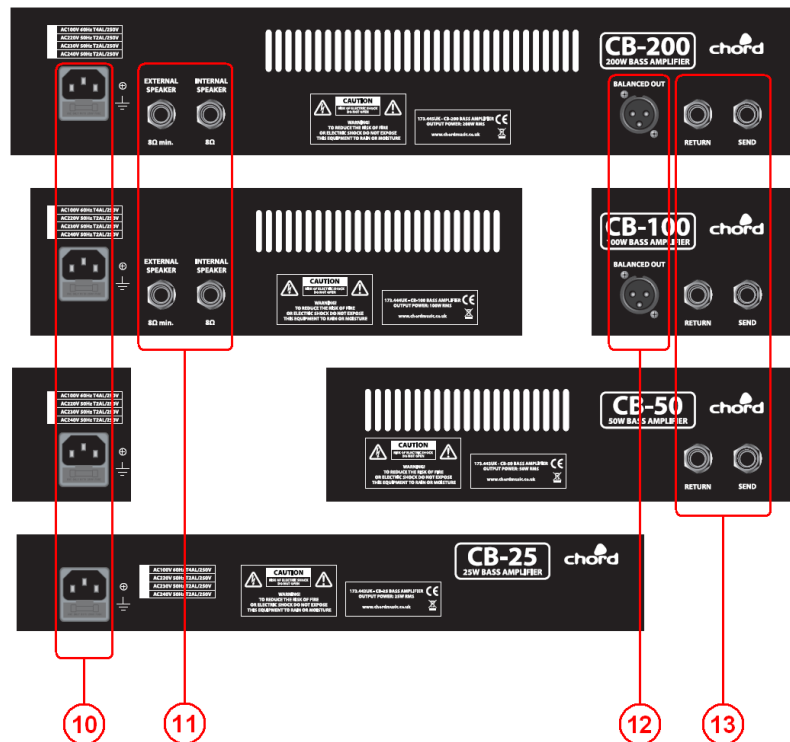
Use a soft cloth with a neutral detergent to clean the cabinet, panel and controls. To avoid damage, do not use solvents.

Front Panel



- 1) Input – 6.3mm jack (unbalanced)
- 2) Gain control – Turning clockwise boosts input and increases drive
- 3) Shape – Pre-EQ tone contouring
- 4) EQ section – Switchable 7-band graphic or 4-band rotary (CB-25) tone adjustment
- 5) Compression – Turning clockwise increases sustain and reduces attack peaks
- 6) Master – Turning clockwise increases output level to power section with on/off switch
- 7) Phones – 6.3mm jack output to drive headphones
- 8) MP3 in – 3.5mm jack socket to plug in a line input to play along with.
- 9) Power – Illuminated mains switch

Rear Panel



- 10) Mains inlet – IEC with fuse holder (ensure correct rating when replacing fuse)**
- 11) Speaker connections – Internal and external speaker 6.6mm jack outputs (4Ω min)**
- 12) Balanced Out – Direct Inject output for mixer or recording device (XLRM balanced)**
- 13) Send & Return – 6.3mm jack output and input loop to patch in external effects units**

Operation

- Connect the bass guitar to the CB-series bass amplifier input using a good quality 6.3mm mono jack lead, noting that basses with internal active preamps should be connected to the “Active” input and those without should be connected to the “Passive” input
- For CB-100 and CB-200, if the output is to be fed to a mixing console or recording device, the best method is to use the rear panel Balanced Out XLRM connector. Connecting this gives a clean line level to the mixer or recorder without the need for a separate D.I. box and all Gain, EQ and Compression settings are included.
- For CB-100 and CB-200, ensure that the internal speaker (and external speaker, if used) is plugged in at the rear
- Connect the amplifier to the mains using the appropriate mains IEC lead supplied
- If any external effects are to be used in the effects loop, connect the Send/Return jacks to the input/output of the unit(s) and power up ready for use
- Set all shape and EQ controls to the mid-way position and switch off compression (if any)
- With the Master volume turned down, switch on the power switch and gradually increase the Master volume to the required level
- Increase Gain and play a note, ensuring that the bass guitar’s volume and tone controls are turned up. Continue increasing Gain until the required signal level and drive amount are achieved
- For the CB-200, altering the Shape rotary gives an overall tone control independent of the graphic EQ
- For models with a 7-band graphic EQ, switching on activates the circuit allowing accurate control over the tonal characteristics by boosting or cutting frequency bands on the 7 sliders. CB-25 has permanent 4-band EQ
- For models with Compression, switching on and turning this control up will “squeeze” the dynamic range causing the attack of a plucked string to be de-emphasised whilst increasing note sustain
- Plugging in a pair of headphones to the 6.3mm TRS Phones jack will allow silent practice by muting the speaker output.
- For the CB-25, plugging a personal stereo playback device (like an mp3 player) into the MP3 mini-jack input allows the music to be mixed in with the bass guitar sound for “play-along” practice.
- Before switching off or removing power, turn down the Master volume control.

Specifications

	CB-200	CB-100	CB-50	CB-25
Power supply	220-250Vac, 50/60Hz (IEC)			
Output power @ 8Ω	200Wrms	100Wrms	50Wrms	25Wrms
Speaker unit(s)	15" HD main + piezo HF unit	12" HD main + piezo HF unit	10" HD driver	8" HD driver
Input	Active + Passive 6.3mm jack	Active + Passive 6.3mm jack	Active + Passive 6.3mm jack	6.3mm jack
Send/Return Loop	.	.	.	
Ext Speaker Out (8Ω min)	.	.		
D.I. Output (XLRM)	.	.		
Phones Out (6.3mm TRS jack)
MP3 in (3.5mm TRS jack)				.
Preamplifier Controls	Gain, Shape, Master	Gain, Master	Gain, Master	Gain, Master
Equalisation	7-band Graphic EQ	7-band Graphic EQ	7-band Graphic EQ	4-band EQ
Switchable Compressor	.	.		
Dimensions	530 x 630 x 420mm	470 x 525 x 340mm	425 x 455 x 320mm	365 X 395 X 300mm
Weight	26kg	23kg	16kg	12kg

Troubleshooting

No output and no Power light	Check POWER switch is on and mains lead is connected properly
	Check mains fuse hasn't blown
Power LED lit but no Output	Check that Gain, EQ, Master and bass guitar controls are not turned down fully
	Check Speaker Outs are connected to the relevant speakers
	Check that headphones are not left plugged in
	Change jack lead to check if faulty, also for Send and Return jacks
	Check battery is OK in active bass or effects units in the Send/Return loop
Output too distorted	Make sure Active bass is not plugged into Passive input
	Reduce Gain & EQ controls and increase Master volume to compensate
	Adjust compression effect to combat heavy string attack
Output very quiet	Check that Gain, EQ, Master and bass guitar controls are not turned down
	Make sure passive bass is not plugged into Active input
	Unplug effects from Send/Return loop to check if they are cutting signal level

*Errors and omissions excepted.
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