

HBAC-80



Owner's Manual

Acoustic Guitar Combo Amp

Harley Benton

Introduction

Congratulations on your purchase of our acoustic guitar combo amp. With your HBAC-80 you can easily perform your acoustic music with great tone. This model provides high quality sound with a range of useful features. To achieve the best performance and safety operation, you should read all of this manual before using it in a live situation.

- ▶ Power: 60 watt
- ▶ 2 separate channels for mic and guitar
- ▶ CD input
- ▶ 5 band graphic EQ
- ▶ Line out
- ▶ Extension speaker output
- ▶ Footswitchable chorus and reverb

Safety instructions

For your own safety you must read this section in full first!



Risk of electrical shock.

- Connect the device only to a properly wired and earthed electrical wall socket providing the mains voltage indicated on the rear panel.
- NEVER operate the device if the power plug or the power cord is damaged.
- NEVER submerge the device in water. Wipe it only with a slightly damp cloth. Liquid getting into the amp will risk a short circuit and will be hazardous.
- NEVER expose the device to direct precipitation or moisture and never use it in a damp or wet environment.
- Ensure that the power cord does not become wet during operation.
- Do not subject the amp to high temperatures, direct sunlight, severe vibrations, shocks or tremors, or excessive dust.
- You must NEVER open the housing of the device or try to repair it. There are no user serviceable parts inside. Warranty will become void if you open the housing.
- Do not place objects containing fluids, e.g. flower vases or beer bottles, on or near the device.
- Notice regarding power disconnection
To completely disconnect the device from the mains power source the power plug must be removed from the power socket. For this reason the device should be placed in a position where a constant unobstructed access to the power socket is assured, thus in an emergency situation you are able to immediately pull out the power plug. To eliminate the risk of fire you should completely disconnect the power plug from the power socket when the device is not going to be used.

HBAC-80

- Always grasp the power cord by the plug. Do not pull on the cord itself and never touch the power cord with wet hands as this could result in a short circuit or an electrical shock. Do not place the device, speaker cabinets or anything else on the power cord and make sure that it does not become clamped. Place the power cord in a position where it can not be trod on. A damaged power cord can cause a fire or an electrical shock. Check the power cord from time to time. Should it become damaged contact our customer service centre to have it replaced.

Risk of fire!

- NEVER leave the device unattended while it is switched on.
- Never cover the ventilation slots of the device while it is switched on. Avoid placing this device in locations that provide insufficient ventilation or hot locations and do not place the device in direct sunlight or under strong artificial light sources. Otherwise, it may overheat and become irreparably damaged.
- Do not place any open sources of fire, like candles, on the device.
- When a thunderstorm with the risk of lightening threatens please disconnect the device from the mains power.

Risk of personal injury!

- Keep the power cable and device away from children. Children frequently underestimate the dangers of electrical equipment.
- Ensure a safe location for the device.
- Do not operate the device if it has sustained a fall or is damaged. Arrange for the device to be checked and/or repaired by qualified technicians.
- Important! Keep sufficient distance from the device when operated with high volume level. Listening to music with high sound pressure level may cause permanent damage to your hearing!



Control elements

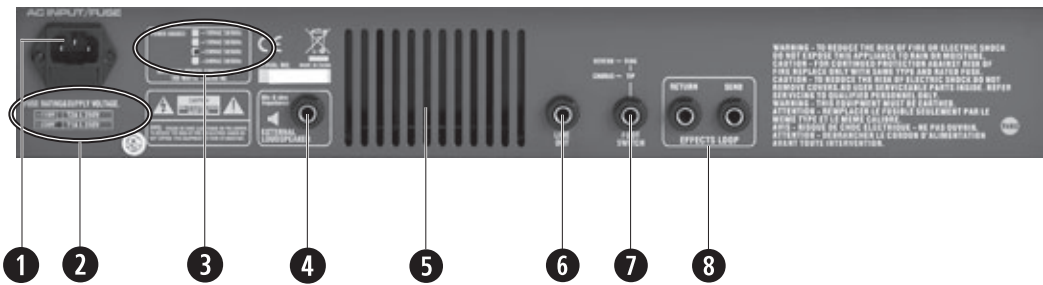
Front panel



Mic/Line	this is a 'combo jack' input. It can be utilized by both standard 1/4" plugs or XLR plugs. Any dynamic microphone can be used through this input and using a high quality XLR-XLR cable will give the best results.
Level	controls the level of channel 1.
Guitar input	this is an instrument input for plugging in virtually anything. You may plug in a guitar, keyboard, drum machine, mixer cassette deck, CD player or any pre-amped signal.
Level	to control the overall level of channel 2.
Low	to control the low frequencies of channel 2.
Mid	to control the adjustable mid frequency of channel 2.
Mid Frequency	to set the operating frequency for the mid control.
High	to control the high frequencies of channel 2.
Chorus switch	to activate/deactivate the chorus effect. The effect can also be activated via footswitch.
Speed	set the speed in connection with Depth. It controls the speed of the chorus effect.
Depth	set the depth in connection with speed. It controls the depth of the chorus effect.
Reverb switch	to activate/deactivate the reverb section. This effect can also be activated via footswitch.
CH1 Reverb level	the control adds the desired amount of reverb to the signal from Ch1. The reverb switch must be turned on for the control to be active.
CH2 Reverb level	the control adds the desired amount of reverb to the signal from Ch2. The reverb switch must be turned on for the control to be active.
5 Band Graphic EQ	the EQ is in the Master Section and when used, affects the signal of both channels. The operating frequency of each slider is indicated beneath. Pushing a slider above the center line boosts the respective frequency. Moving the slider below cuts the selected frequency.
CD Input	sockets for connection of an external CD player, Mini disk, or any line level equipment to the amp. For best results use a stereo 1/4" cable.
Master Level	this one controls the overall volume of the amplifier.
Power	use this switch to power the unit on or off.

HBAC-80

Rear panel



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| <ul style="list-style-type: none">❶ AC socket with fuse holder❷ Fuse specs indication❸ Mains voltage indication❹ External Loudspeaker❺ Air vents❻ Line out❼ Footswitch❽ Effects loop | <p>connect the supplied mains cable here, if the fuse blows, a qualified technician must replace it with a fresh one of same specifications.</p> <p>in this area you find the specifications for the fuse to be used in this device for the respective operating voltage.</p> <p>in this area you find a marking, that indicates the mains operating voltage, that this device is setup for.</p> <p>here you can connect an external speaker cabinet. The minimum total impedance is 8 ohms. never obstruct these vents during operation.</p> <p>Socket provided for sending signal to another amplifier or mixing desk.</p> <p>the chorus and reverb functions of this amplifier can be switched on and off by a remote footswitch.</p> <p>the send and return sockets are provided for connecting external effects-units.</p> |
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Connecting the amp

Mains voltage

Please ensure that your local area's mains power voltage matches the mains voltage indication ❸ on the unit's rating label *before* you connect the unit to an AC mains power outlet! If in doubt ask a technician.

Mains connection

Use the mains cable enclosed to connect the unit's AC socket ❶ on the rear panel to a properly wired and earthed IEC power socket.

Press on the upper part of the POWER switch, to switch the unit on. Press on the lower part of the POWER switch, to switch the unit off.

Connecting instruments and microphones

Plug a mic into the Mic/Line input and an instrument such as a guitar or the like in the Guitar input. Turn the respective Level control to set the desired volume. Use the High/Mid/Low Frequency/Low controls to shape the sound. The Low & High controls use fixed frequencies. The operating frequency of the Mid control is sweepable. Use the Mid Frequency control to set this frequency between 200Hz and 4.5kHz.

If you want to add reverb to channel 1 or 2, press the REVERB button and turn the Level control of the desired channel. If you want to add chorus to the sound of channel 2, press the CHORUS button and turn the SPEED and DEPTH controls to achieve the desired effect.

Disposal

Do not dispose of the device at the end of his operating life in your normal domestic waste. This device is subject to the European Guidelines 2002/96/EC.



- Have the product disposed of by a professional disposal company or by your communal disposal facility.
- Observe the currently applicable regulations. In case of doubt contact your disposal facility.
- Dispose of packaging materials in an environmentally responsible manner.



HBAC-80

Technical specifications

Output Power Rating	60 W RMS
Speakers	2 x 6,5" + tweeter
Dimension (H x W x D)	585 x 320 x 430 mm
Weight	19 kg

As we continuously strive to improve our products, all specifications and appearance are subject to change without prior notice.

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