

GA 15



Owner's Manual
All Tube Guitar Combo Amp

Harley Benton

Introduction

Congratulations on your purchase of our guitar combo amp. With your GA 15 you can easily perform your music with great tone. Despite its compact dimensions, this model reflects vintage amp design and our unwavering commitment to high quality.

The Harley Benton GA 15 provides Class AB tube amplification. Its engineering philosophies represent a great deal of high quality and ease of operation while maintaining flexibility in tone. The GA 15 maintains a simple overall architecture inspired by classic amplifier design and crafting but is further enhanced by modern techniques.

- ▶ Power: 15 watt, class AB
- ▶ 3 band EQ, volume control
- ▶ 1 x 10" speaker
- ▶ Connections: Line out, effects loop, speaker out, (4, 8, 16 ohm), head phones
- ▶ Tubes: 2 x 12AX7 (preamp), 2 x EL84 (power amp)

To achieve the best performance and safety operation, you should read all of this manual before using it in a live situation.

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.

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- 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 must 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.
- 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.
- Never manipulate the power cord of the plug. If a power cord is provided with an earth lead, this is mandatory to ensure safe operation!

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 lightning 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!

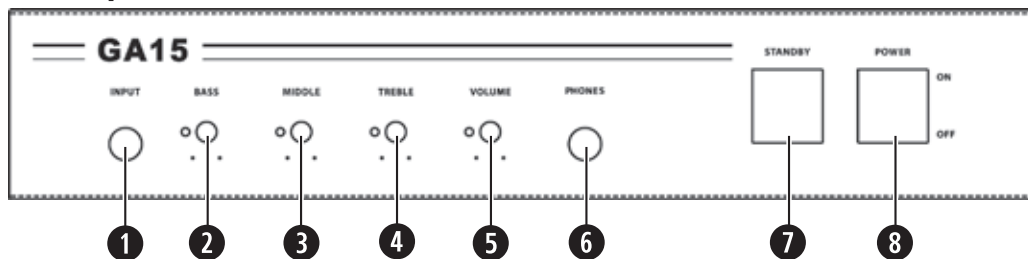


Risk of damage!

- Valve amps like GA 15 must never be operated without a proper speaker load. The actual impedance of the connected speaker load must exactly match the chosen speaker out socket (4, 8, or 16 ohm). Otherwise the amplifier will be seriously damaged.

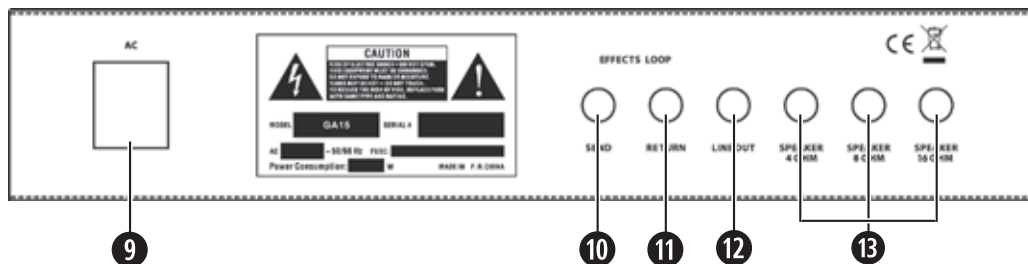
Control elements

Front panel



- ❶ INPUT connect your guitar here
- ❷ BASS EQ bass control
- ❸ MIDDLE EQ mids control
- ❹ TREBLE EQ treble control
- ❺ VOLUME to control the volume of the amp
- ❻ PHONES to connect headphones (not supplied)
- ❼ STANDBY Standby switch
- ❽ POWER to switch the amp on or off

Rear panel



- ❹ AC AC socket. Connect the power cord here.
- ❺ SEND Send connector of the effects loop. Here you connect the input of an external effects unit.
- ❻ RETURN Return connector of the effects loop. Here you connect the output of an external effects unit.
- ❼ LINE OUT Signal output with line level.
- ❽ SPEAKER 4|8|16 OHM Speaker output. Connect the built-in speaker to the 8 ohm socket or connect an external speaker box with 4, 8, or 16 ohm impedance to the respective socket.



You must never operate this amplifier without a proper speaker load! Otherwise you risk a serious damage of the unit.



Connecting the amp

Mains voltage

Please ensure that your local area's mains power voltage matches the mains voltage indication on the unit's rear 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 ⑨ on the rear panel to a properly wired and earthed IEC power socket.

Input, Headphones

Plug a guitar into the INPUT socket ①. Use the PHONES socket ⑥ to connect headphones with a 1/4" plug. This disconnects the speaker outputs ⑬.

Effects Send/Return

Use these sockets ⑩ & ⑪ to bring an external effects device into the signal path of the amp. The effects loop on these amplifiers is a Serial loop, i.e. the effects signal is not mixed to the dry signal, it replaces the dry signal. This is especially suitable for connecting sound processors like e.g. a compressor. If you want to connect a reverb unit or the like, you might find the amount of effects signal coming out of the speaker to big. Then please reduce the mix ratio between dry and wet signal on the effects device.

Line Out

Use this output ⑫ to connect a power amp, if you need even more power to play your venue.

Operating the amp

Switching on / off

Make sure, that a proper speaker load is connected, then press on the upper part of the POWER switch ⑧, to switch the unit on. Press on the lower part of the POWER switch ⑧, to switch the unit off.

To disconnect the unit from the mains, disconnect the power plug from the socket.

Standby

Most tube amps have a standby switch, that cuts the internal high voltage from the valves, but not the heating voltage. During breaks or in order to preheat the amp you should put the STANDBY switch ⑦ into the OFF position with the POWER switched on. This will increase the lifetime of the tubes.

Volume & EQ

Turn the VOLUME control ❶ to set the desired volume. Use the EQ controls ❷ ❸ ❹ to shape the sound.

Technical specifications

Output Power	15 W
Circuitry design	class AB power amp
Tubes	2 x 12AX7, 2 x 6L84
Speaker	10" - 8 ohm
Power consumption	80W
Dimension (W x D x H)	425 x 390 x 255 mm
Weight	15.7 kg

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

Disposal

Do not dispose of the device at the end of its 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.



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