



ROADHOUSE SERIES GUITAR AMPLIFIERS

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Introduction

The Cornford Roadhouse Series of guitar amplifiers are stripped down and simple operate: simple yet very versatile.

The Roadhouse 30 Head and 1x12 Combo offer a combination of enough power to cut through a mix but with a power amp design that can be pushed into overdrive, giving touch sensitivity and harmonic richness without too many decibels!

The Roadhouse 50 Head and 2x12 Combo offer more of the above but with a little extra power, for those players that need extra punch; the Combo also having the extra 12" Celestion Vintage 30 to shift more air!

Specifications

(Roadhouse 30 Head and Combo)

30-watt, cathode biased, valve guitar amplifier head and 1 x 12 combo.

Output Valves:	2 x EL34
Preamp Valves:	3 x ECC83 (12AX7)
Cabinet:	19 mm, lock jointed ply covered in black 'Lizard' vinyl with black grille cloth and white piping.
Speakers:	Celestion 'Vintage 30' (combo only)
Transformers:	Custom designed and built by one of the UK's leading manufacturers.
Accessories:	All metal footswitch, to enable remote switching of the amplifier's 'Boost' function.
Effects Loop:	Series effects loop. Send level is a nominal -6 dBV. Send impedance is 33k ohms. Return impedance is 145k ohms.

Specifications

(Roadhouse 50 Head and Combo)

50-watt, fixed biased, valve guitar amplifier head and 2 x 12 combo.

Output Valves:	2 x EL34
Preamp Valves:	3 x ECC83 (12AX7)
Cabinet: 1	9 mm, lock jointed ply covered in black 'Lizard' vinyl with black grille cloth and white piping. Metal bar type side handles.
Speakers:	2 x Celestion 'Vintage 30' (combo only)
Transformers:	Custom designed and built by one of the UK's leading manufacturers.
Accessories:	All metal footswitch, to enable remote switching of the amplifier's 'Boost' function.
Effects Loop:	Series effects loop. Send level is a nominal -6 dBV. Send impedance is 33k ohms. Return impedance is 145k ohms.

Control Operations

- Input:** 1 megohm impedance. Suitable for guitars with most types of pickup (the amplifier may, in general however, not give good results with the types of pickup associated with acoustic instruments)
- Gain:** This controls the amount of preamp gain and hence level of preamp distortion in the amplifier.
- Toggle Switch:** This switches the boost function on or off. Its status is indicated by a red LED on the front panel
- Boost:** This controls the amount of extra signal sent to the preamp from the first gain stage and the amount of extra distortion in the preamp. This function is useful for heavier rhythm and lead guitar playing.
- Bass:** This controls the low frequency response of the preamp.
- Middle:** This controls the midrange frequency response of the preamp.
- Treble:** This controls the high frequency response of the preamp.
- Send:** This socket sends a low level signal (-6dBV) from the preamp suitable for driving effects pedals or rack processors.
- Return:** The output signal from your effects units is reintroduced back into the amplifiers signal path after the preamp, via this socket.
- Master:** This controls the overall output level of the amplifier and should be adjusted to suit your playing environment.
- Mains/ Standby:** This is a 3-position toggle switch. In the 'Off' position, no mains power is sent to the amplifier's circuitry. In the 'Standby' position, the low voltages are switched on and the valve heaters are allowed to warm up before the high voltage is applied to them; allow 30 seconds or so in this position to prolong valve life. In the 'On' position, the amplifier is ready to play.

Rear Panel

Mains inlet socket: This accommodates a standard IEC mains lead. The mains fuse is contained within a drawer in this socket and should always be replaced with a fuse of exactly the same type and rating to reduce the risk of fire or electric shock.

High Tension Fuse Holder: This accommodates the high voltage fuse for the amplifier. If it fails, this may indicate that the output valves have developed a fault. Once again, as with the mains fuse, it must be replaced with a fuse of the same type and rating.

Speaker Sockets: There are a total of 5 speaker sockets: one is connected to the 16 ohm tap, two are connected to the 8 ohm tap, (this will accommodate two 16-ohm speakers or one 8-ohm speaker) and two are connected to the 4-ohm tap, (this will accommodate two 8-ohm speakers or one 4-ohm speaker). It should be noted that only one output tap should be used at any one time. That is to say a speaker load may only be connected to the 16-ohm socket, or one or both 8-ohm sockets, or one or both 4-ohm sockets. No other combination should be connected.

Please Note: To avoid damage to your amplifier, always connect a speaker to the output **before** switching on.

Footswitch Socket: This is used to connect the supplied footswitch to the amplifier for remote switching of the 'Boost' function and overrides the front panel toggle switch.

Important Safety Instructions

WARNING – When using electrical products, basic precautions should be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water – for example, near a bathtub, wash bowl, kitchen sink, in a wet basement, near a swimming pool or the like.
3. This product may cause permanent hearing loss. Do not operate for long periods of time at high volume level or at any level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
4. The product should be located so that its location or position does not interfere with its proper ventilation.
5. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
6. The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
7. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
8. The product should be serviced by qualified personnel when:
 - a. The power supply cord or the plug has been damaged: or
 - b. Objects have fallen, or liquid has been spilled into the product: or
 - c. The product has been exposed to rain or moisture: or
 - d. The product does not appear to operate normally or exhibits a marked change in performance: or
 - e. The product has been dropped, or the enclosure damaged.
9. Do not attempt to service the product. All servicing should be referred to qualified personnel.

For continued protection against risk of fire, replace fuses only with one of the same type and rating, as indicated on the back of the product.

Earthing/Grounding Instructions

This product must be grounded (earthed). If it should malfunction or breakdown, grounding provides the path of least resistance for electrical current, in order to reduce the risk of electric shock. This product is equipped with a supply cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with the local codes and ordinances.

DANGER

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet fitted.

The wires in this mains lead are coloured with the following code:

	EARTH	NEUTRAL	LIVE
U.S.A.	Green	White	Black
U.K. & EUROPE	Green/Yellow	Blue	Brown

CE mark for European Harmonised Standards

The CE mark, which is attached to these products means it conforms to EMC Directive (89/69/EEC), CE Mark Directive (93/68/EEC) and Low Voltage Directive (72/23/EEC).

VALVES AND FUSES

All valves and fuses fitted to a Cornford amplifier are consumable items and, therefore, are not covered under the manufacturer's guarantee.