

CORNFORD

AMPLIFICATION

THE HURRICANE

Spec:	20 watts. Class A/B, cathode biased 1x12 Combo.
Valves:	2 x EL84 output stage. 4 x 12AX7s pre amp
Cabinet:	Solid pine with ply baffle board permanently dadoed into Cabinet. Dimensions: 600mm x 450mm x 250mm. Covered in Custom-made ox-blood vinyl.
Speaker:	12" Celestion Vintage 30.
Hardware:	All corners, screws, cup washers, handle fixings etc. are nickel plated. 16 gauge welded powder coated chassis. Leather handle.
Transformers:	Custom designed in-house and hand wound.
Construction Methods:	Totally hand wired throughout and hand assembled. No PCBs of any sort.
Controls:	Hi and lo inputs, gain, reverb, bass, middle, treble and master volume.
Features:	Effects loop. Switchable valve powered reverb (Accutronics full length 3-spring tank) 4 and 8 ohm speaker outputs.

Hurricane Control Operation

Return / Send - Effects loop send and return. This is a series effects loop send level is – 6dbV. Suitable for foot pedals and rack processors.

Hi Input -This is a high impedance input so as to avoid loading passive guitar pick-ups. Treat this as the normal input.

Lo Input -This is a lower impedance of – 6db sensitivity.

N.B. When both inputs are in use they are both low sensitivity.

Gain - Simultaneously Controls the 1st and 2nd gain stages (tandem pot).

Reverb -This controls the level of the reverb effect. With the reverb knob turned fully anti clockwise, this is the same as turning the reverb off with the supplied footswitch. I.e. You don't need the footswitch to turn the reverb off.

Bass - Adjusts low frequency response of pre-amp.

Middle - Adjusts the mid-range frequency response.

Treble - Adjusts high frequency response of pre-amp.

Master - Adjusts overall output level.

On / Off Switch - Mains power switch for the amplifier.

Mains - Neon, power on indicator

Looking From Left to Right on the Rear Of

The Cornford Hurricane

Fuse Holder - See spec plate on amplifier for correct fuse type & rating.

8-ohm speaker output x 1

4 ohm speaker output x 2 - For connecting the internal 8 ohm speaker and an external 8 ohm speaker **OR** 2 external 8 ohm speakers **OR** a single 4 ohm external speaker. Please note that a resistive load or loudspeaker must always be connected **before** switching the amplifier on to play.

NB. The 4 & 8-ohm speaker outputs should not be used simultaneously.

1/4-inch jack socket -This is where the reverb footswitch lead plugs in.

RCA type reverb sockets -This is where the reverb leads are connected and shouldn't need to be touched.

Suggested settings for the Hurricane

Please note that these are just a few suggested settings, please experiment and always use your ear.

	4 – 6 *		8	3	9	11
	7/8		8	6 / 7	6	7 – 9**
	11		6 / 7	6 / 7	6	7 – 9**

* Depending on the guitar that you use.

** Adjust the master volume to whatever level is appropriate to the situation that the amplifier is being used.

The controls are very sensitive and altering them by small degrees will give many different sounds. I.e. Don't just try setting everything to 11!

Note also that turning the guitar volume down with crunchy rhythm and lead settings can result in some really fat, clean tones.

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
 - b. Objects have fallen or liquid has been spilled into the product.
 - c. The product has been exposed to rain or moisture.
 - d. The product does not appear to operate normally or exhibits a marked change in performance.
 - 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.
10. For continued protection against risk of fire, replace fuses only with those of the same type and rating as indicated on the back of the product.
11. Always connect the speaker **before** switching on.

GROUNDING INSTRUCTIONS

This product must be grounded (earthed). If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current 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.

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

	EARTH	NEUTRAL	LIVE
U.S.A.	Green	White	Black
U.K.	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.