



## THE HELLCAT HEAD

### ALL VALVE, 35 WATT, 2 CHANNEL HEAD WITH REVERB

Spec:	35 watt all valve head. Cathode bias, 2 channel with shared EQ, footswitchable reverb and channels.
Valves:	4 x EL84's. 5 x 12AX7's
Cabinet:	19mm ply lock-jointed. We still use pine for anything with a speaker in it as it helps the sound no-end but the heads will use ply, as they are not acoustic.
Hardware:	All corners, screws, cup washers, handle fixings etc. are nickel-plated. Bespoke CNC punched, powder coated grills. 16 gauge (1.5mm) powder coated chassis with 16 gauge base / screening plate secured to chassis with 4 machine screws. Leather handle.
Transformers:	Custom designed in-house and hand wound.
Construction: Methods	Point to point hand wired throughout and hand assembled No PCBs of any sort. Nothing board mounted. Everything is bolted directly to the chassis.
Controls:	Chicken head knobs. Metal toggle mains switches. 2 x inputs Hi and Lo. Front panel from left to right: - gain modern channel 1, gain vintage channel 2, Bass, Middle, Treble, Master channel 1, Master channel 2, Reverb, Standby and Mains. Rear Panel from left to right:- Mains Inlet, Mains fuse, HT fuse, Speaker impedance selector 4ohm, 8ohm, 16ohm, Speaker sockets x 2, Footswitch socket, Effects loop send and return.
Accessories: -	Footswitch: hand made 14 gauge, powder coated, 2 metal footswitches. Top quality stereo lead wired to Neutrik nickel-plated stereo jacks. Mains lead, 10ft moulded plugs each end (at least it will reach the floor if you are using 2 cabinets). Speaker lead, 2ft top quality 8mm cable with nickel-plated Neutrik jacks.

# The Hellcat Control Operation

- Gain – Modern channel 1** : Higher gain channel. Controls the gain / overdrive on channel 1.
- Gain – Vintage channel 2** : Lower gain channel. Controls the gain / Overdrive on channel 2.
- Bass** : Adjusts the low frequency response of the Pre-amp.
- Middle** : Adjusts frequencies around 500 Hz.
- Treble** : Adjusts the high frequency response of the Pre-amp.
- Master channel 1** : Sets the output level of the modern channel 1.
- Master channel 2** : Sets the output level of the vintage channel 2.
- Reverb** : Sets the reverb level for both channels
- Speaker output and Impedance selector** : The speaker outputs are connected in parallel. Impedances from 4-16 ohms can be accommodated and it is important to note that a resistive load or loud speaker must always be connected before switching the amp on to play.
- Effects Loop** : This is a series effects loop suitable for foot pedals and rack processors.
- Footswitch socket** : Enables remote switching of reverb and channels.

# 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.
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 – if it will not fit the outlet, have a proper outlet fitted.**

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

	<b>EARTH</b>	<b>NEUTRAL</b>	<b>LIVE</b>
<b>U.S.A.</b>	<b>Green</b>	<b>White</b>	<b>Black</b>
<b>U.K.</b>	<b>Green/Yellow</b>	<b>Blue</b>	<b>Brown</b>

### **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.**