



## THE MK50H. ALL VALVE 50 WATT HEAD

Spec:	50 watt all valve head. One channel, with foot-switchable overdrive and master volumes.
Valves:	2 x 5881WXT. 4 x 12AX7WA.
Cabinet:	19mm ply, lock-jointed.
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 14 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 and hand assembled throughout. No PCBs of any sort.
Controls:	Chicken head knobs. Metal toggle mains switches. 2 x input sockets: high and low gain. Front panel from left to right: Volume/gain, Overdrive (foot switchable extra gain with red LED indicator), Bass, Middle, Treble, Master 1 and Master 2 (foot switchable for volume lift and tonal differences from the power amp with green LED indicator), Presence, Resonance, Standby switch and Mains switch. Rear panel from left to right: Mains inlet, Mains fuse, HT fuse, Speaker impedance selector for 4, 8 and 16 ohm loads, Series effects loop send and return sockets, footswitch socket.
Accessories Supplied:	Footswitch: 14 gauge mild steel, powder coated, with 2 metal footswitches and LED indicators for Overdrive and Master 2, Top quality 8mm cable wired to Neutrik nickel-plated stereo jack. 3 metre mains lead. Speaker lead, 600mm, top quality 8mm cable with nickel-plated Neutrik jacks.

## **MK50H CONTROL OPERATION**

<b>Volume</b>	Adjusts overall pre amp gain.
<b>Overdrive</b>	Adjusts the amount of extra signal coming from the first gain stage. This is added to the amount of pre amp gain you have set; you don't switch to overdrive, you add it to the pre amp gain thus having a more extreme setting but keeping the tonal integrity.
<b>Bass</b>	Adjusts low frequency response of the pre amp.
<b>Middle</b>	Adjusts frequencies around 500 Hz in the mid-range.
<b>Treble</b>	Adjusts high frequency response of pre amp.
<b>Master 1</b>	Sets the output level of the amplifier, generally pre-set for rhythm but not strictly.
<b>Master 2</b>	Master 2 also sets output level of amp but is generally pre-set for a different level than Master 1 so that a pre-set volume boost can be obtained.
<b>Presence</b>	Boosts high frequency response of the power amp only.
<b>Resonance</b>	Boosts low frequency response of the power amp only, allowing a tighter or looser bass response overall.
<b>Effects loop</b>	This is a series effects loop, the send level is -6dBV. Suitable for foot pedals and rack processors.
<b>Speaker Impedance Selector</b>	This can be set to accommodate 4, 8 and 16 ohm speaker loads

## Suggested settings for the MK50H

SUGGESTED SETTINGS									
	Volume	Overdrive	Bass	Middle	Treb.	Master 1	Master 2	Pres.	Res.
Clean	3	—	6	4	6	5	—	8	2
Crunchy rhythm	8	—	5	7	4.5	2	—	7	2.5
Crunchy lead	8	—	5	7	4.5	—	4	7	2.5
Rock lead	8	6	6	5.5	4.5	—	3-4	5	3
Rock rhythm	8	—	6	5.5	4.5	2	—	5	3
Metal lead	8	8	7	3	6	—	4	8	5
Metal rhythm	8	(8)*	7	3	6	2	—	8	5
**Clean	3-5	—	6	4	5	—	3.5	7	3
**Crunch	3-5	10	6	4	5	2	—	7	3
**Lead	3	10	6	4	5	—	3.5	7	3

\* Switching the overdrive in will give you a much heavier rhythm sound.

\*\* Using the overdrive in and out from Master 2 to Master 1 a useful range of tones can be obtained. Note also that turning the guitar volume down with crunchy rhythm tones can result in some fat, clean tones.

Please note the controls are very sensitive and altering them by small degrees will give many different sounds: don't just try setting everything to 11.

Please set Master 1 and Master 2 to a level that is appropriate to your playing situation. These are some settings which can be used as a guide to help you achieve your required sounds.

## 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.**