



THE RK100
ALL VALVE 100WATT HEAD

Spec:	100 watt, Single channel, all valve head with foot-switchable 'Hot' control.
Valves:	4 x EL34. 4 x 12AX7WA.
Cabinet:	19mm ply, lock-jointed.
Hardware:	All corners, screws, cup washers, handle fixings etc. are nickel-plated. 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. 18 gauge brushed stainless steel front and back panels. Leather handle.
Transformers:	Custom designed in-house.
Construction Methods:	Hand wired and hand assembled throughout. No PCBs of any sort.
Controls:	Front panel from left to right: Input socket (top), 'Hot' footswitch socket (bottom), Gain, Bass, Middle, Treble, Master, Presence, Standby switch, Mains switch, green neon Mains indicator. Rear panel from left to right: Mains inlet, Mains fuse, Speaker impedance selector for 4, 8 and 16 ohm loads, Parallel Speaker Sockets, Output valve failure fuses and indicator LEDs, Series effects loop send and return sockets.
Accessories Supplied:	Footswitch: 14 gauge mild steel, powder coated, with metal footswitch and LED indicator. 6 Metre Footswitch Lead with Neutrik 1/4" mono Jack Plugs. 3 metre mains lead. Speaker lead, 600mm, top quality 8mm cable with nickel-plated Neutrik jacks.

RK100 CONTROL OPERATION

Gain	Adjusts overall pre amp gain.
Bass	Adjusts low frequency response of the pre amp.
Middle	Adjusts frequencies around 500 Hz in the mid-range.
Treble	Adjusts high frequency response of pre amp.
Master	Sets the output level of the amplifier.
Presence	Boosts high frequency response of the power amp only.
Effects loop	This is a series effects loop, the send level is -6dBV . Suitable for foot pedals and rack processors.
Speaker Impedance Selector	This can be set to accommodate 4, 8 and 16 ohm speaker loads
'Hot' Switch	Gives increased gain in the preamp by allowing more signal from the first gain stage to overdrive the rest of the pre amp.

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:

	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.