



## Bluerock 30 1x12 combo

The Bluerock 30 is a Hand Wired 30W valve guitar combo designed to deliver classic British guitar tones.

Using a mix of classic and unusual circuit design this all valve combo will provide a wealth of classic and modern tones to suit most guitar styles.

Inspired by several great British amps, it incorporates features and tones from the best of them.

### **Features:**

*'Parallel' Front end.* This circuit topology uses a standard triode (ECC83) to give slightly higher gain levels with fatter tone and lower output impedance. The gain from this is about 20% higher than a single stage. With lower output impedance and lower noise this topology 'fattens' guitar tone to give superior tonal performance.

*Wide range tone controls.* The tone circuit provides an excellent range of control over the guitars tonal range, while remaining familiar to most amp users. There is also a switchable mid boost for added punch, enabling the player to cut through in a live band situation.

*Two pre-amp gain modes* The amp has two levels of pre-amp gain. Using a special technique called 'Bootstrapping' this allows the gain of the second stage to be boosted by up to 30dB. This feature is switched in and out on the amps front panel.

*Power limit.* This is probably the best feature you could have on any amp! This allows the amp to be dialled down from 100% power to much lower output levels. Using a simple passive power limiting method that operates in the phase inverter this allows a good approximation of power amp overdrive but at reasonable volume levels.

*Cathode biased output section.* The 6V6 output valves are operated in cathode bias mode and will self adjust when new ones are fitted.

*Outboard reverb unit.* This combo's reverb circuit is a retro fitted reverb circuit. Utilising a unique and unusual SRPP reverb tank driver circuit, this, allows us to use a medium input impedance tank without the expense of a driver transformer. This more 'modern' solution allows excellent performance while reducing the cost of the circuitry. The reverb here is deep and very toneful and will satisfy the most demanding reverb user.

*Hand-wired eyelet board construction.* For maximum reliability and ease of servicing used well over spec components (eg all our resistors are rated for a minimum of twice the power they will ever see).

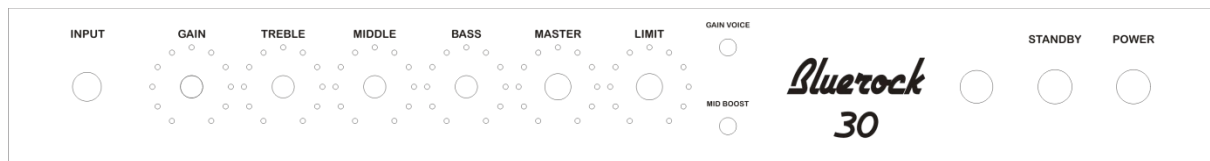
**Valves:**

4 x ECC83 ( pre-amp, Phase Inverter and reverb recovery)

1 X ECC82 ( reverb driver)

4X 6V6 (output)

**Speaker:** Tayden ACE 50 alnico

**Control Panel features**

**Gain** Sets the amount of pre-amp gain from clean to mean.

**Treble, Middle and Bass** These are the familiar controls found in a myriad of guitar amps, voiced to give a good range of tonal adjustment yet to remain familiar to most users.

**Master** A pre- Phase Inverter master with some added tricks to avoid the typical 'thin' tone at low settings. Combined with the Limit control, this control allows the amp to achieve great tones at any volume level.

**Limit** The limit control reduces the headroom of the phase inverter allowing the user to simulate output section overdrive at low volume levels. When combined with the master it will allow the user to maintain the amps original full output tone down to low level, or allow extra overdrive at lower volume levels.

**Gain Voice** Switches in a 30dB gain boost for a little extra pre-amp gain.

**Mid Boost** Switches in a hefty mid frequency boost to provide a more mid focussed tone that will cut through in any band situation.

**Other controls**

**Reverb control.** The reverb circuit is contained in an outboard mounted unit and can be found at the rear of the combo.

**What's it gonna sound like?**

Classic Marshall and Vox like tones can be found in this amp plus more of its own unique tones.

This is an amp for the lover of great British amp tones with added creaminess from the cathode biased Four 6V6 output section.