

65 AMPS London User Manual

65AMPS IS A DIVISION OF 65 AMPS CORP,
A CALIFORNIA CORPORATION DEDICATED TO THE PURSUIT
OF PREMIUM TONE



65-London Guitar Amplifier

Congratulations on your purchase of the new 65-London!

*****READ BEFORE USING YOUR AMP FOR THE FIRST TIME!*****

We have gone to great effort to create the ultimate responsive and expressive guitar amp. The 65-London is completely hand-wired with the highest quality and select choice components, in particular the transformers, capacitors and speakers.

CAUTION – FOR U.S. OPERATION, SET AC VOLTAGE SELECTOR FOR 120 VOLTS ONLY!!!

GENERAL DESCRIPTION OF THE 65-LONDON AND ITS CONTROLS:

The **COLOR CHANNEL** has an EF86 pentode preamp tube with a smoother, creamier tone.

The **TREMOLO CHANNEL** uses a 12AX7A dual-triode tube, a bit brighter with a fat low end.

The **TREMOLO / SPEED & INTENSITY** controls work only on this Tremolo channel. To activate, connect the dual latch footswitch using a shielded stereo / balanced cable (both included with amp).

The **CUT** control works for both channels. It is best to start with the **CUT** on “0”, then dial to desired tone. The Cut control can be described as the opposite of a Presence control. When dialled in, it softens the higher top end frequencies.

FRONT PANEL:

TONE controls for each channel are passive cut-style. We recommend starting at “10” and backing off. With brighter single-coil guitars, the mid’s focus really well with the Tone set back around “5 to 8”.

HI & LO INPUT – For powerful clean tones, try the **LO** input and turn up **VOLUME** to “5 to 8”. Great chime with single coil pickups. For incredible gain, plug into **HI** and turn the **VOLUME** to “10”. You can then roll your guitar’s volume back for clean tones.

+/- SWITCH – This is a gain boost **for the EF86 Channel only**. This boost is also footswitchable. For footswitch operation, set mini-switch on front of amp to the “minus” (-) position.

6-WAY COLOR – This 6-way selector allows for subtle, yet effective focusing of the low's and mid's on the **EF86 Channel**. Turn to “1” for more low's and turn up to “6” for less low's & more mid's.

ON – This is your “Standby” switch. Best to turn the **POWER** switch on first before the Standby and wait about 10 seconds before turning Standby on. This will prolong tube life. When turning the amp off, turn **POWER** switch off first. This allows the power to drain out of the amp circuit. You can turn off the Standby switch later before turning the amp back on.

INDICATOR – Related to the AC Power.

POWER – The AC power On/Off

REAR PANEL:

BOOST/TREM FTSW – Stereo jack that switches both the EF86 channel gain boost and the Tremolo.

SPEAKER OUTPUTS – Two speaker outputs in parallel.

IMPEDANCE – All 65 212-Combos and Extension Cabinets are wired for 16-Ohms (two 8-Ohm speakers in series). If using two 16-Ohm cabinets, set **IMPEDANCE** to 8-ohms. Always be sure to match the impedance of this amplifier with the impedance of the speaker cabinet(s) you are using.

H.T. (High Tension) FUSE – (500mA Slo-Blo) This fuse is in line with the DC voltage in the amp. When the **H.T. FUSE** blows, it is typically a sign of a bad power tube.

A.C. FUSE – (2A/250V Slo-Blo) This fuse is connected to the AC primary side of the Power Transformer.

CAUTION – Never use a fuse with a higher amperage rating.

Tubes: (from left-to-right looking from rear)

Pre-amp tubes: EF86 – 12AX7A – 12AX7A

Power tubes: EL84 – EL84

Rectifier: EZ81

This amp is cathode-biased and requires no internal bias adjustment when replacing the EL84 power tubes. You can use any brand EL84 tube in this amp. However, after extensive experimenting with current production tubes, our favorite EL84 for this amp is the Slovakian-made **JJ** brand. If you come across an original N.O.S. pair of British-made Mullard's, they won't hurt either!

IMPORTANT: We recommend a qualified technician for retubing. All tubes use the same size socket, but have very different wiring configurations and voltages. Placing the wrong tube in the wrong socket can cause damage to the amplifier and tube.

PLEASE READ THE FOLLOWING WARNINGS AND USER ADVICE!!

- Always make sure the AC Voltage Selector is set for the proper voltage (120 volts in the U.S.) before turning on the amplifier!
- Always make sure the amplifier is grounded! (3-prong connector – no ground lifts).
- Use only a high quality grounded 3-prong AC power cable with this unit. Always look for breaks or exposed wire and replace if defective.
- Never remove the chassis from the cabinet! The amplifier will store high voltages long after the amp has been turned off and disconnected from the AC. Changing tubes does not require any internal adjustments. Refer all service to a qualified technician.
- Do not expose to excessive humidity, direct sunlight or extreme high or low temperatures.
- Be certain there is adequate ventilation around the amplifier.
- Never expose to liquids or excessive dust.

Enjoy your 65-London!

We have just introduced the 65-COLOUR BOOST Pedal! Call your dealer for details.