

CARR LINCOLN



OWNER'S MANUAL

2016

Lincoln Instructions

Thank you for purchasing a Carr Lincoln amplifier. The Lincoln merges the crystalline beauty of AC Top Boost style amps with the saturated insistence of modified high gain British pre amps. You will find a huge range of tones and textures in the Lincoln. Each channel has lush, ultra controllable reverb, channel switching convenience with overdrive Boost on the foot switch, and an overall power amp attenuator. The Lincoln is the essential amplifier for stage, studio, and home. Take time to familiarize yourself with this manual and please enjoy your new Lincoln!

Channel 1

Volume – Adjusts the loudness and drive of the amplifier.

N/B (Normal/Bright)

– points up for warm balanced tone – down for Classic scooped clanky Voxy vibes –

Treble – Varies the top end from dark to bright. This control has more range than your typical Treble control. At high settings it lends an almost acoustic guitar timber. At low setting the mids are more pronounced and the sound is very round.

Bass – Varies the low end from lean to full. At full position the bass will scoop out the mids as well as adding more low end. To retain clarity, turn the Bass down at higher volumes.

Reverb 1– Controls the amount of channel 1 reverb sound from none to deep and lush.

Channel 2

Drive – Adjusts the gain from semi-clean to over the top overdrive! Low setting below 10 o'clock on the dial will offer semi-clean tones. Higher settings bring more and more overdrive and complexity to the harmonic content.

H/L (High/Low) toggle --- *panel toggle defeated when foot switch plugged in*

– points up for warm medium gain – down for cutting high saturation fun!

Tone – The Tone knob effects both thickness and brightness. At low settings it is dark and chunky. At very high settings it scoops midrange and some gain while offering an open top end. In between is a full spectrum of sonic shades between these two extremes.

Master – Sets the overall loudness level of channel 2.

Reverb 2– Controls the amount of channel 2 reverb sound from none to deep and lush.

Channel Switch Toggle between Reverb knobs *and is defeated when foot pedal plugged in*

Attenuator – Set the Wattage toggle to the right for full 18 watts with the speaker bypassing the attenuator. With the Toggle baton left the Attenuator is engaged for a maximum of 6 watts output.

Standby – Off – Play – The Toggle switch baton in the middle position is Power Off. To play set the amp to Standby (switch baton *down*). After 1 minute of warm up, switch the Power baton *up* to Play. The amp is ready to be played. Using the Standby setting every time the amp is turned on will prolong tube life. *Note: When turning amp off with Channel set to Overdrive you will hear a ‘Thump’ as the relays cycle – this is normal and will only be audible when set to OD at turn off. If amp is on the Clean channel at turn off there will be no relay ‘Thump’. The relay cycle will not hurt the amp.*

Bottom Panel

Fuse – In the unlikely event that a tube fails, the Lincoln is protected by a 1.5 Amp slow blow fuse for 120v and 100v (North America and Japan) models or a 0.75 Amp slow blow fuse for 220v and 240v (Europe and Asia) models. Please consult us or a qualified tech for assistance in the event of a fuse blowing. The fuse is located on the bottom of the chassis by the detachable power cord.

Speaker output jack – The speaker output jack is located behind the power tubes on the chassis (see *Chassis Diagram*). The Lincoln is designed to drive an 8 ohm load. Maximum tone will be realized when connected to a 8 ohm speaker or cabinet. The speakers in Lincoln combos are configured to provide the amplifier with an 8 ohm load.

To run an external cabinet, turn the Lincoln OFF, unplug the internal speaker (combo amps) and plug in the external cabinet’s speaker cord. Alternatively, a “Y” speaker cord can be used to run an 8 ohm external cabinet along with the internal speaker(s) of a combo amp without damage to the amp (the total impedance or speaker load in this case will be 4 ohms – see the previous paragraph).

Damage will result from operating the Lincoln without a speaker load.

Biassing your Carr Lincoln

The Lincoln is a cathode bias (self bias) amplifier and as such does not require a bias adjustment when changing tubes. Please use matched pairs of output tubes for maximum performance. The Lincoln can only use matched pairs of EL-84 power tubes.

Carr Amplifiers selects and tests the finest current production tubes specifically for each amplifier model. Caution should be used when buying replacement tubes from any dealer who does not have a return policy as all tubes can have problems (NOS tubes are susceptible to microphonics and failure too).

Recommended Settings (These give you a place to start – the Lincoln has a huge range of possible tones – have fun experimenting and remember that guitar pickups vary a lot and you will need to tweak to your guitar and ear!)

Channel 1 Sound	Volume	Treble	Bass	Reverb	Toggle	Power
60s warm Clean					N	Both
Clear Clean					B	Both
Gritty Clang					B	6 at home 18 out
Punished Power Tubes					N	6 at home 18 out

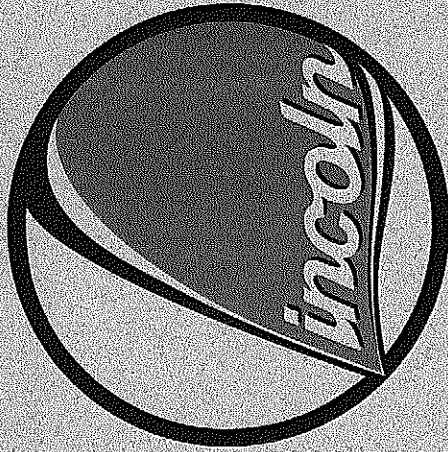
Channel 2 Sound	Drive	Tone	Master	Reverb	Hi/Low	Power
Cleanish Snap					L	Both
Down Under					L	Both
Rock Rasp					H	Both
Herr Metal					H	Both

CARR AMPLIFIERS CHASSIS DIAGRAM

Power Connection
120 W Max

Speaker
- Jack -
8 ohms

Fuse



Reverb
Send
Jack

Reverb
Return
Jack

V1

V2

V3

V4

P1

P2

12AX7

12AX7

12AX7

12AX7

FL-84

FL-84

Foot
Switch
Jack