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15/30/60

valve amplifier

**VAC 60**

Supply Voltage	~230V, 50/60Hz factory option
Mains Fuse	(~230V T800mA 250V)
Power Consumption	150VA
Output Power Rating	60W
Loudspeaker VC30	12" 4 Ohms
Loudspeaker outputs	Extension speaker socket (minimum 4 Ohm impedance)
Features	Pure Class A valve tone
	2xEL34 power tube
	4x12AX7/ECC83
	Hi & low gain input
	FX loop with switchable level
	Footswitch for channel and reverb
	Reverb (spring sound enhancement)
EQ	Clean bass, middle and treble
	Lead bass, middle and treble
	Bright switch (works on clean channel)
Input Impedance	1M Ohm / 47pF
Size (W*H*D)	635X325X545
Unit Weight	22.4Kg

IMPORTANT SAFETY SYMBOLS

The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON: Denotes the apparatus is turned on.

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.



Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

IMPORTANT SAFETY INSTRUCTIONS

☐ Read these instructions. ☐ Keep these instructions.

☐ Heed all warning. ☐ Follow all instructions.

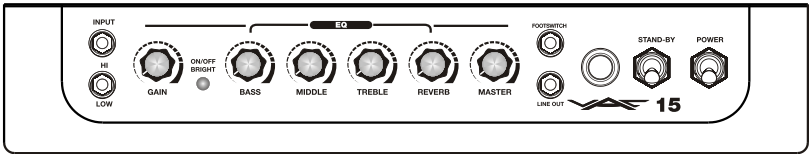
☐ Water & Moisture

The apparatus should be protected from moisture and rain, can not used near water, for example: near bathtub, kitchen sink or a swimming pool, etc.

☐ Heat

The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

VAC 15



LOW INPUT: Low stands for low gain. This input is attenuated down approximately 50% from the Hi input and is designed for high output level guitars. It is useful in obtaining output that is "tight" not "mushy" from high gain humbucker type pickups Only use good quality guitar cable.

HI INPUT: Hi stands for high gain. This input is designed for the connection of low output level guitars making it well suited for guitars with single coiled or low gain humbucker type pickups. Use of high gain pickups in this input may drive the preamp too hard causing a "mushy" sound. Only use good quality guitar cable.

CLEAN VOL: Sets how loud the clean channel is. Try cranking it up a little to drive the power tubes harder for that real retro sound and feel that only a quality tube amplifier can deliver. Now use your guitar volume to control the amount of distortion. (Wind it up for distortion, back it off a little for clean)

BASS, MIDDLE, TREBLE: These are a traditional set of passive tone controls. Passive controls have the advantage of always sounding musical at any of their settings mainly due to their unique interactive nature. This gives players a more natural set of tools to create their ideal sound. (Try them all set at midway as good starting point)

REVERB: Controls how loud the built in reverb sounds. The reverb in the VAC15 is a legendary.

STANDBY: Disconnects power supply from the tubes but keeps the tubes warm so That they are ready to go instantly. Switch off for short breaks when you don't want to wait for the tubes to warm up again.

POWER: Main power switch for the unit. Tube amplifiers take between 30 seconds and 2minutes to warm up and be ready to play after switching on, this is normal. Use in conjunction with the standby switch.

VAC 30

Supply Voltage	~230V, 50/60Hz factory option
Mains Fuse	(~230V T500mAL 250V)
Power Consumption	80VA
Output Power Rating	30W
Loudspeaker VC30	10" 4 Ohms
Loudspeaker outputs	Extension speaker socket (minimum 4 Ohm impedance)
Features	Pure Class A valve tone 4xEL84 power tubes 4x12AX7/ECC83 Hi & Lo gain inputs FX loop with switchable level Footswitch for channel and reverb Reverb (spring sound enhancement)
EQ	Clean bass, middle and treble Lead bass, middle and treble Bright switch (works on clean channel)
Input Impedance	1M Ohm / 47pF
Size (W*H*D)	595X315X505
Unit Weigh	17.88Kg

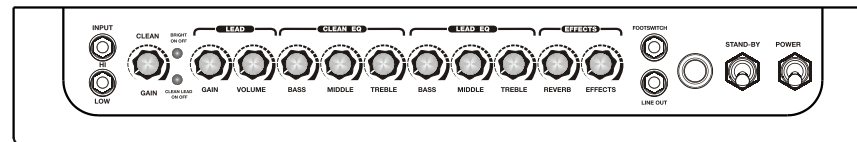


VAC 15

Supply Voltage	~230V, 50/60Hz factory option
Mains Fuse	(~230V T500mA 250V)
Power Consumption	40VA
Output Power Rating	15W
Loudspeaker VC30	8" 4 Ohms
Loudspeaker outputs	Extension speaker socket (minimum 4 Ohm Impedance)
Features	Pure Class A valve tone
	2xEL84 power tubes
	3x12AX7/ECC83
	Hi & Lo gain inputs
	FX Loop with switchable level
EQ	Footswitch for reverb
	Reverb (spring sound enhancements)
	Clean bass, middle and treble
Input Impedance	Bright switch (works on clean channels)
	1MΩ/47pF
	Size (W*H*D)
	485X275X445
Unit Weight	12.36Kg



VAC 30/60



LOW INPUT: Low stands for low gain. This input is attenuated down approximately 50% from the Hi input and is designed for high output level guitars. It is useful in obtaining output that is "tight" not "mushy" from high gain humbucker type pickups. Only use good quality guitar cable.

HI INPUT: Hi stands for high gain. This input is designed for the connection of low output level guitars making it well suited for guitars with single coiled or low gain humbucker type pickups. Use of high gain pickups in this input may drive the preamp too hard causing a "mushy" sound. Only use good quality guitar cable.

CLEAN VOL: Sets how loud the clean channel is. Try cranking it up a little to drive the power tubes harder for that real retro sound and feel that only a quality tube amplifier can deliver. Now use your guitar volume to control the amount of distortion. (Wind it up for distortion back it off a little for clean)

VOLUME: Sets the level of tube preamplifier drive or how dirty your sound is. This control should be used in conjunction with the Drive Volume Setting low levels of gain with high levels of volume will give a clean preamplifier sound with tube output stage overdrive. Setting a medium drive level and medium Drive Volume will give a nice crisp bluesy lead tone, again with the ability to drive the output stage at higher Drive Volume settings. Setting a high level on the Drive control and a low setting on the Drive Volume will give you a punchy hard rock lead tone, with the ability to again drive the output tubes at higher Drive volume settings. Having set the Drive and Drive Volume controls to your desired sound try backing off your guitar volume and tone controls for lots of other cool sounds. Good tube amplifiers have the unique ability to produce a wide range of sounds by using only your guitar controls, playing weight and style.

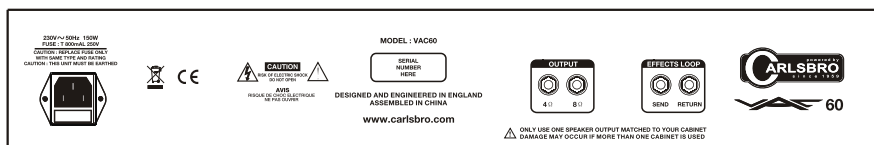
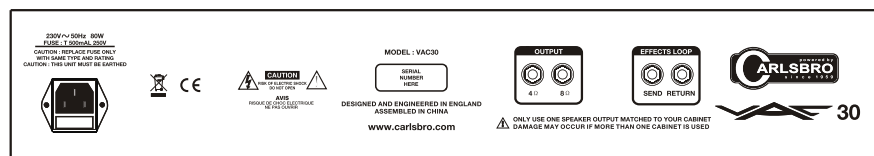
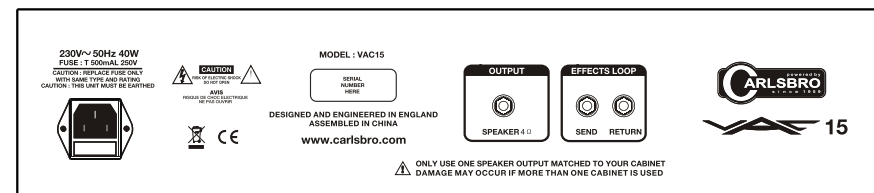
VAC 30/60

BASS, MIDDLE, TREBLE: These are traditional passive tone controls. Passive controls have the advantage of always sounding musical at any of their settings. mainly due to their unique interactive nature. This gives players a more natural set of tools to create their ideal sound. (Try them all to set at midway as good starting point)

REVERB: Controls how loud the built in reverb sounds. The reverb in the VAC30/60 is a legendary.

STANDBY: Disconnects power supply from the tubes but keeps the tubes warm so that they are ready to go instantly. Switch off for short breaks when you don't want to wait for the tubes to warm up again.

POWER: Main power switch for the unit. Tube amplifiers take between 30 seconds and 2minutes to warm up and be ready to play after switching on, this is normal. Use in conjunction with the standby switch.



1. Power socket: Connect with your power source. Make sure the specified Voltage is correct for your country!
2. This fuse holder contains the main safety fuse for the unit.
USE ONLY THE CORRECT SIZE AND RATING OF FUSE AS SPECIFIED ON THE PANEL.
The mains fuse ratings are detailed in the specs section at the rear of this manual.

EFFECTS LOOP: RETURN: Connect the output from your external effects to this socket. The effects loop allows you to connect external effects such as tremolo, chorus and delays to your amplifier. All of the signal leaves the amplifier via the send socket and comes back from the effects via the return socket. Use the output level control on your FX to control how loud the FX return signal sounds. This is an insert type control, therefore you need to set the Dry/ Wet mix in your FX processor.

EXTENSION CABINET: Use to connect an 8-16 ohm extension cabinet. but only use one of the output