

Stereo Spring Reverb/Valve Amplifier User Guide

Controls and Switches

P1: MASTER DRIVE

Potentiometer P1 controls the level of the signal that enters the low power valve which drives the reverb 'tank'. In low settings the sound is smooth and warm. As P1 is turned up, output stage valve distortion takes place. A characteristic feature of this unit is that the 'spring' in the 'tank' is part of this distortion if required. At high P1 settings the sound distortion can be harsh and intense. TREBLE CUT switch S3 can be used to remove harshness.

S1: INPUT GAIN SWITCH

In conjunction with P1 it enables a more detailed control of the drive gain mentioned above.

P2: AMPLIFIER CONTROL

A mini power valve amp drives the 'REVERB TANK'. This amp in high P1 settings **also** produces **non-reverberated** valve distortion type of sound, similar to a distortion unit. This distortion can be anything from smooth to crunchy to extreme. Again it all depends on how S1/P1 are set. Control P2 mixes the output signal from the output transformer of this amp **before** it reaches the input of the 'REVERB TANK'.

S2: BASS CUT SWITCH

P3: REVERB CONTROL

This control mixes the reverberated signal coming from the reverb return valve amp.

S3: TREBLE CUT SWITCH

Only affects the reverberated signal.

P4: ORIGINAL

Mixes the original, i.e. 'dry' signal. So by using P2/P3/P4 any combination of the AMP, REVERB, and DRY signal can be obtained.

S4: EFFECT ON-OFF

It disconnects the unit-modified signal and brings out the original for comparison.

P5 MASTER OUT

Controls the output level of the unit.



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S5: TRIODE/PENTODE SWITCH

In triode mode the sound is more transparent & smoother, whilst in pentode it is harsher, more trebly and distorted.

S6: MAINS SWITCH

When this switch is turned on, the valve heater and the mains LED will light up. See diagram.

S7: STANDBY SWITCH

This must be turned on approximately half a minute after the mains switch S6 has been turned on, to allow the valves to warm up before the 'HIGH TENSION (HT) is applied. High tension is an old terminology for high voltage. When S7 is turned on the HT LED will light up.

Finally, at the rear panel there will be one rotary 'REVERB TANK INPUT IMPEDANCE SELECT SWITCH' per channel, so that most types of available tanks can be used.



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STEREO SPRING REVERB FRONT PANEL

