

CBS-Arbiter Voc AC30 Stand-by Switch

The following is a stand-by switch modification I've made to my Arbiter AC30. This mod. adds a switch pot to replace the standard 'Cut' pot. This provides the same functionality as the normal 'Cut' control but with the addition of an 'Off' setting which puts the amplifier into stand-by.

1. Replace the 'Cut' control with a 470K linear switch-pot (RS Components 387874) with a double pole switch on the back that clicks off at zero. Ideally you'd want a 220K version, but the 470K works as well and allows a bit more brightness through at max. The pot is wired same as original.

To id the switch terminals, click it 'on' and the shorted terminals (as per beep test) are the pole/breaker pairs.

2. The switch poles each connect to one end of the transformer HT winding, the break contacts to the rectifier input (this prevents the diodes being powered but unloaded on "standby", which could cause them to fail).
3. Disconnect the HT (yellow) wires from the rectifier, wire them to the switch poles, and connect the switch breaker terminals to the rectifier. Extra support is required for the extended wiring.

To do this neatly you'll need to fit another piece of upright tagstrip as a wiring anchor-point to, as it means extending the tx's HT wires far enough to reach the control panel. I used the screw for the existing tx earth anchor points and a spacer in order to fit a small piece of tagstrip.

4. The four wires to and from the switch should be tightly twisted together and routed well away from the end of the preamp tagstrips ('to' the switch I used yellow and for the return I used black to help identify the pairs). To twist together the wires I used an electric drill on a slow speed.

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