URB (Soft key) in SB220 (or any high voltage positive bias amplifier)

The URB unit is modified to run directly from the SB220 120V+ supply by the following changes:

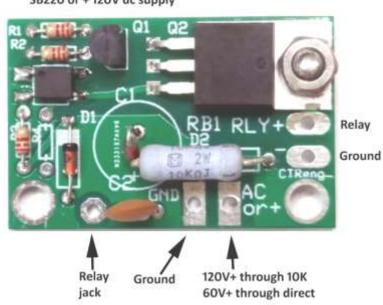
1.) The URB LV filter capacitor is removed and replaced with a 12V Zener

2.) The URB AC rectifier is removed and replaced with a resistor. This limits current to the 12V Zener. We supply one internal 10k, and additional 10K for external. The external 10K to can be used to bridge from the board to the red relay wire in the SB-220.

3.) A black wire or wires should be used to ground the URN GND pad and the URB RLY- pad to any convenient ground lug (see photo)

4.) The typical blue wire from the cold side of the antenna relay that runs to the Relay jack is lifted off the relay terminal and moved to the unmarked RRB pad for keying. (see photo)

5.) The relay terminal formerly connected to the relay jack now connects to the URB RLY+ terminal.



SB220 or + 120V dc supply