

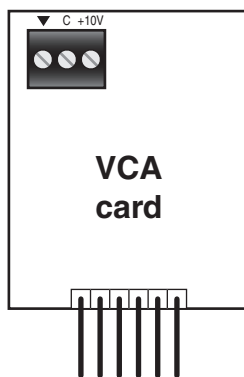
IWA250 Remote Control VCA Card Installation

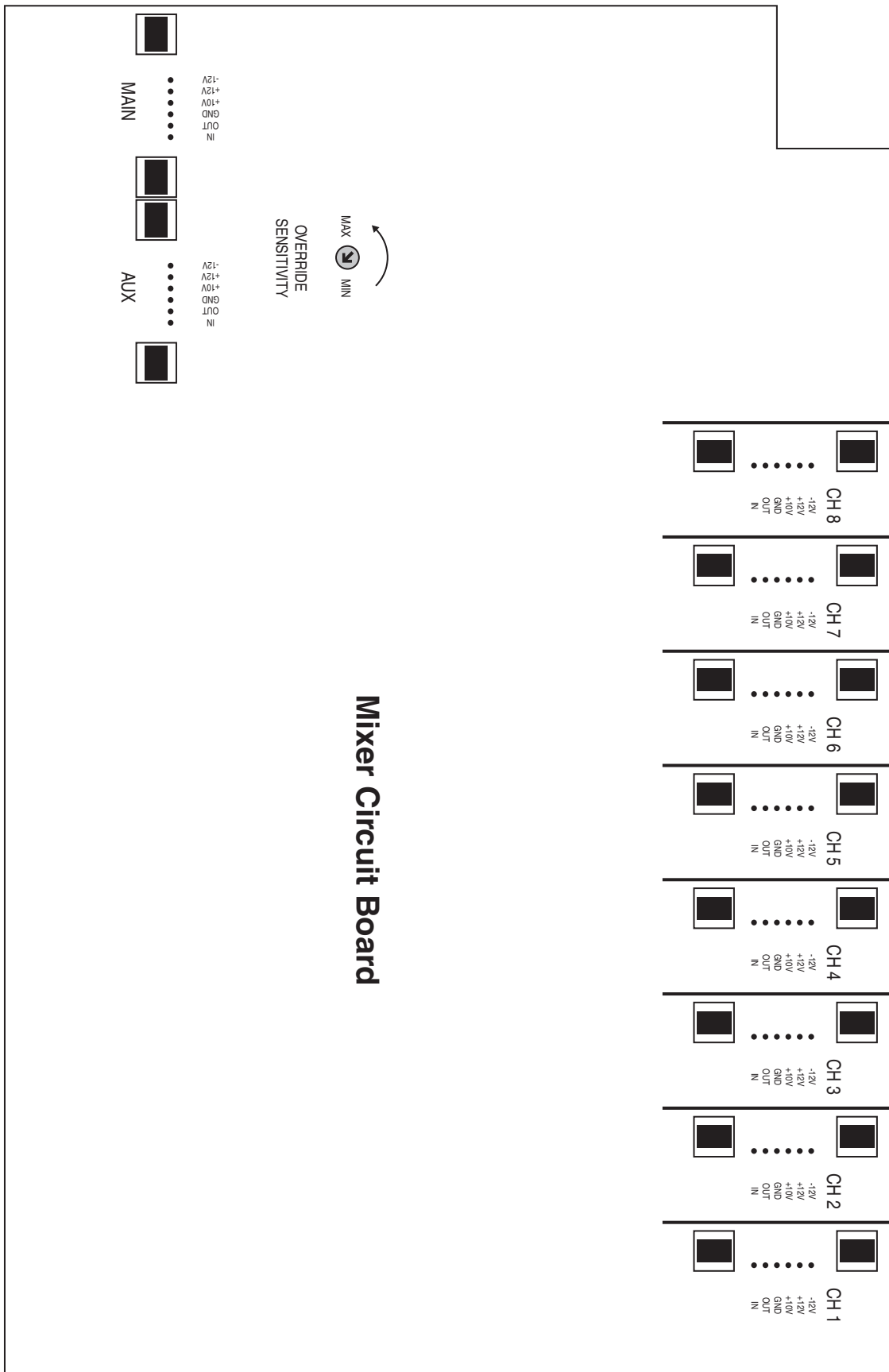
CAUTION: These installation instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Remote Control: Remote level control is available as a user installed option. It can be added selectively to any of the Input Channels 1-8, as well as to the Main Out and the Aux Out. Remote control capability is added by installing VCA Cards onto the mixer circuit board (see diagram on next page). **CAUTION:** Turn off and/or dis-connect AC power before performing any modifications.

To install VCA Cards, first remove the jumper wires (between OUT and IN) on the respective channels/outputs of the mixer circuit board. Then install the two plastic support/guides (provided with each VCA Card) into the holes provided on the respective channels/outputs of the mixer circuit board (support/guides must be properly oriented to accept VCA Card). Once the support/guides are in place, slide the VCA Cards into the support/guides, making sure all pins on the VCA card slide fully into the corresponding holes in the mixer circuit board.

Once the VCA Cards have been installed, remote controls may be wired up to 2000 feet away, using 2-conductor shielded cable. Controls may be any 5k~50k Ω linear taper potentiometer and/or switch to provide adjustment and/or muting of the level. Potentiometers are wired with high-side to "+10V", low-side to "▼", and wiper to "C". The wiper of one potentiometer may be wired to the "C" terminal on multiple VCA Cards, allowing control of a group of signals from a single potentiometer. Switches simply connect (or disconnect) "+10V" to "C", and do not require a ground ('▼') connection. A combination of potentiometer and switch may be used, with the switch in line with either the "C" or "+10V" connection. **NOTE:** When a VCA Card is installed, but no control is connected, signal will not pass. To avoid this circumstance, a jumper wire may be temporarily connected between "+10V" and "C". Additionally, if VCA Cards are removed, jumper wires must be re-installed between OUT and IN on the respective channels/outputs of the mixer circuit board, before signal can pass.





Mixer Circuit Board