Remote Gain Control

The SPA Series power amps have a set of three remote gain control terminals for each pair of channels. They allow you to use an external pot such as the QSC WCP-1 wall control accessory to produce a control voltage for adjusting the voltage gain.

NOTE: The remote gain control does not override the physical gain controls located on the back of the amp.

Remoting one channel pair

For a single SPA2-60 amp, or one channel pair of an SPA4-60, connect the remote pot as shown in Figure 1:

- V+ (the reference voltage source) to the pot’s “clockwise” terminal.
- C (contact) to the pot’s wiper.
- g (ground) to the pot’s “counterclockwise” terminal.

Figure 1. Connecting the pot for one channel pair.
**Remoting two channel pairs**

To gang multiple channel pairs together—multiple SPA amps, or both channel pairs of an SPA4-60, for example—continue the ground and contact wires (the pot needs only one V+ connection) on to each additional control input, as shown in Figures 2 (multiple two-channel SPA amps) and 3 (both channel pairs of a four-channel model).

**Using the WCP-1 wall control plate accessory for remote gain control**

The WCP-1 accessory is ideal for this application. Connect the three wires as shown in Figure 4:

- CW = V+
- W = C
- CCW = \( \bar{m} \)

**Figure 4.** On the WCP-1, use these screw terminals for the three pot wires to the remote gain input.