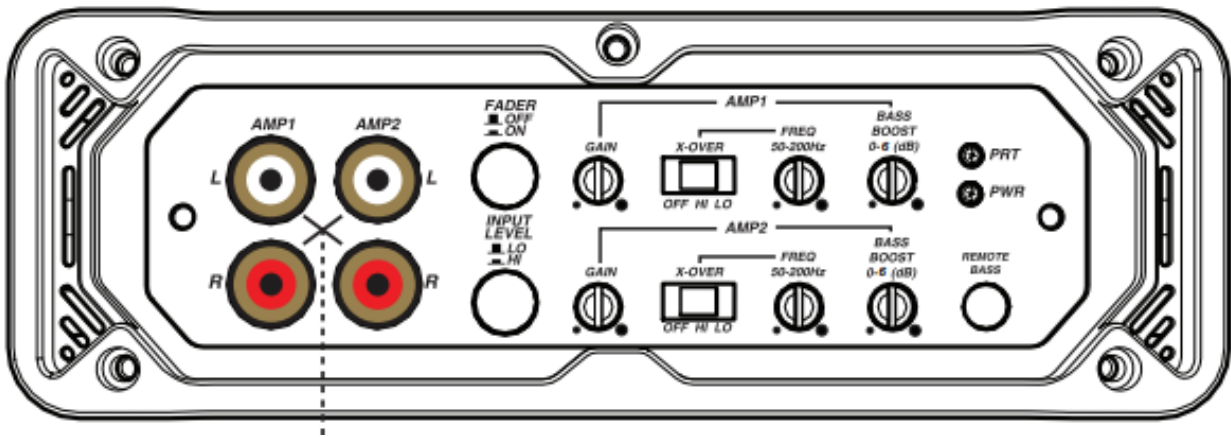


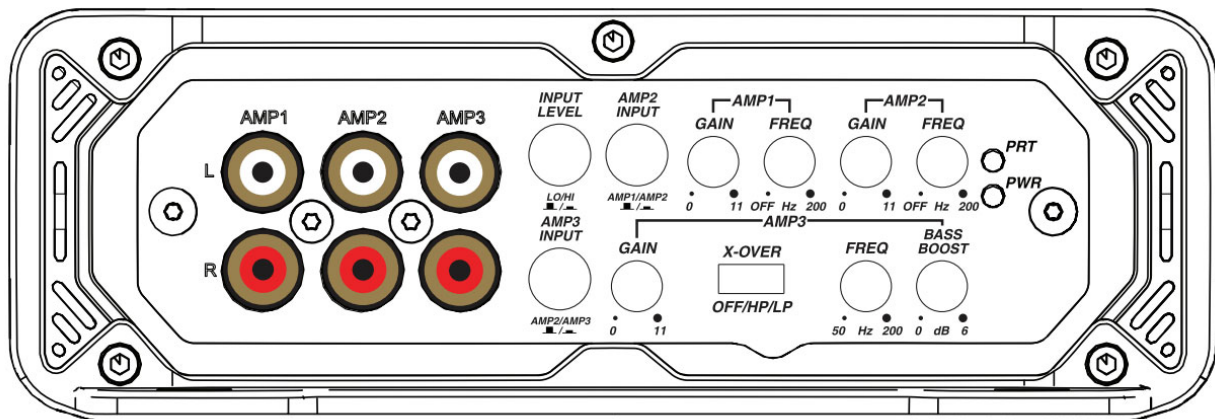
## What are the input/fader switches, and what do they do?

Input/fader switches are present on KICKER amplifiers with 4 or more channels. They activate or deactivate each corresponding pair of inputs on the amplifier depending on the button's orientation. When a pair of inputs is deactivated, it will "look" at the previous pair of inputs for an audio signal. When oriented correctly they will allow you to produce an output signal from every channel on the amplifier using only a single pair of RCA inputs *without having to split any RCAs*.

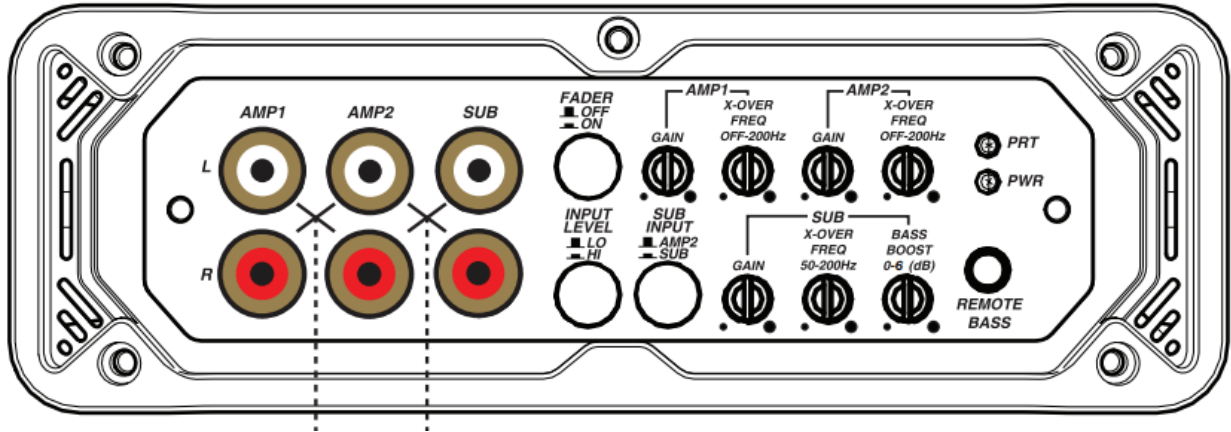
Let's start with an example of a 46CXA3604 4-channel amplifier. The input switch on this amplifier is labeled "FADER" because with the switch deactivated only the AMP1 inputs are active, and thus you would not be able to utilize the fader function in your radio. However, you can still balance the sound left to right.



Below is an example of our 48KMA6006 6-channel amplifier. Since this amplifier is a 6-channel amp, there are two input switches rather than one. These are the "AMP2 INPUT" and "AMP3 INPUT" switches. We labeled these switches differently because this is a marine amplifier and you may not be using them with standard front/rear inputs with fader capability, you may be using "ZONE 1," "ZONE 2" and "ZONE 3" inputs instead. Despite the different labels, the buttons have the exact same function.



Below is another example of a 46CXA6605 5-channel amplifier. Since this is a 5-channel amplifier, it has a “FADER” switch and a “SUB INPUT” switch. The “SUB INPUT” switch works the same way as the “FADER” switch, it is just labeled differently since it is utilized for the subwoofer channel only.



**On a 4-channel amplifier, how can I use one pair of RCAs to get an output signal from each channel?**

One pair of RCAs will need to be inserted into the AMP1 inputs on the amplifier and the amp 2 inputs will remain unpopulated. Activate your fader switch, or push the button in. You will notice that you only have output from AMP 1. By having the fader switch activated we are telling the amplifier to “look” at both the AMP1 and the AMP2 RCA inputs for their own independent signals, however no signal is present on the AMP2 inputs at all and therefore AMP2 will produce no sound.

*How can we fix this?*

To resolve this, deactivate the fader switch or orient it so that the button sticks out from the amp. By doing so you are telling AMP2 to “look” at the AMP1 inputs for an audio signal. Since AMP2 is now receiving an audio signal from AMP1, you should now have output from all channels on the amp.

**Can I use one pair of RCAs on a 6-channel amplifier, 5-channel, or even an 8-channel amplifier?**

Yes, absolutely. You will need to follow the same procedure as before. Deactivate all the fader/input switches on the amplifier and connect one pair of RCAs to the AMP1 inputs. Your amplifier should now produce sound from all channels with only a left and a right input signal.

**On a 6-channel amplifier, can I tie AMP1 and AMP2 together and have AMP3 be independent?**

Yes, this is completely doable. We need to have a pair of RCAs in the AMP1 inputs, and another pair in the AMP3 inputs. Press the “AMP2 INPUT” so that it is deactivated, and AMP2 will operate using the AMP1 input signal. Press the “AMP3 INPUT” button so that it activated, and it will operate using its own pair of RCAs that are physically connected to the AMP3 inputs.