



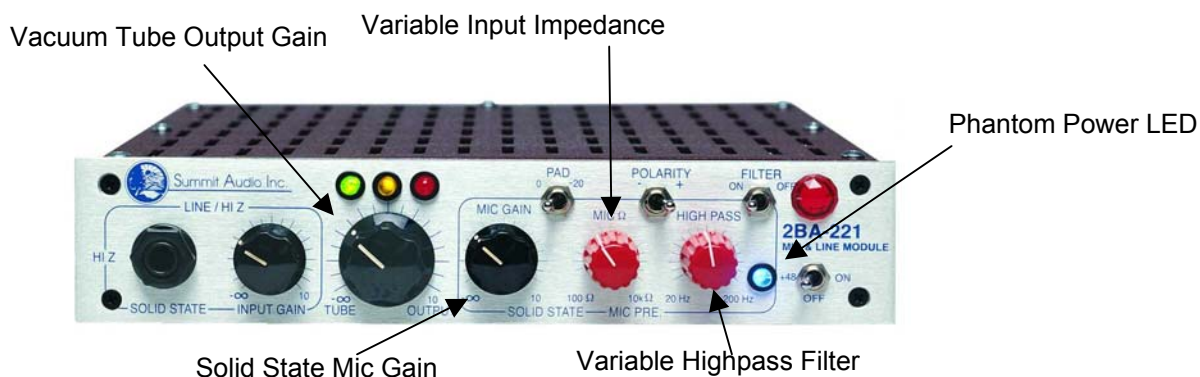
2BA-221 Quick Start Guide



Here are some quick guidelines for setting up the Summit Audio 2BA-221 Mic/Line Module. This preamp offers a huge variety of sounds, so experimentation is key to getting that perfect tone.

Solid State Gain and Tube Output: Designed with a solid state input and a variable vacuum tube output, the 2BA-221 offers a ton of flexibility as far as tube sound is concerned. From completely solid state to full tube saturation, the 2BA-221 will give you just the amount of warmth you need for any recording situation. The solid state gain controls how much drive is going to the vacuum tube (when using the tube outputs) and the tube gain pot controls the cathode current; less drive and more cathode is clean tube (turn down the solid state gain and turn up the tube output gain); more drive and less cathode will produce more warm harmonics (turn up the solid state gain and down the tube output gain).

Variable Microphone Input Impedance: Turning this knob down will cause loading in the microphone's diaphragm. The result of this is first an attenuation in the high frequencies and then an overall drop in gain. In most cases, microphones are looking for at least 3-4 times the rated output impedance. Start with the impedance all the way up (clockwise) and turn it down until you get the sound you desire. You may have to adjust the gain to make up for the loading attenuation.



Tips and Tricks:

If possible, use the 2BA-221 with the PAD engaged; the 2BA-221 will be slightly quieter when used this way.

The blue LED shows the presence of phantom power on the microphone line; make sure the LED is fully off before connecting a mic that could be damaged by +48VDC.

Use the STACKING output to use the 2BA-221 as a solid state preamp (this output is polarity reversed). All outputs and inputs are available simultaneously, so one microphone can feed four different sources (+4dB and -10dB tube outputs, stacking output, and the insert can be used as a solid state output as well).

Unless you are using the highpass filter, keep the switch in the off position.

For more clean tube sound, try setting the tube output to around 1 o'clock and turn up the solid state input until you get the right level.

For more drive out of the tube, turn up the solid state gain and use the tube output to adjust your gain.

Experiment!