

Jazz Room PA Systems Hook-up Diagram:

The Jazz Room PA systems are a simple setup to allow amplification of Vocals, and instruments. You connect your mic/instrument to the system via the Mic/XLR/1/4 Jack Inputs and use the highlighted gain controls to set a level.

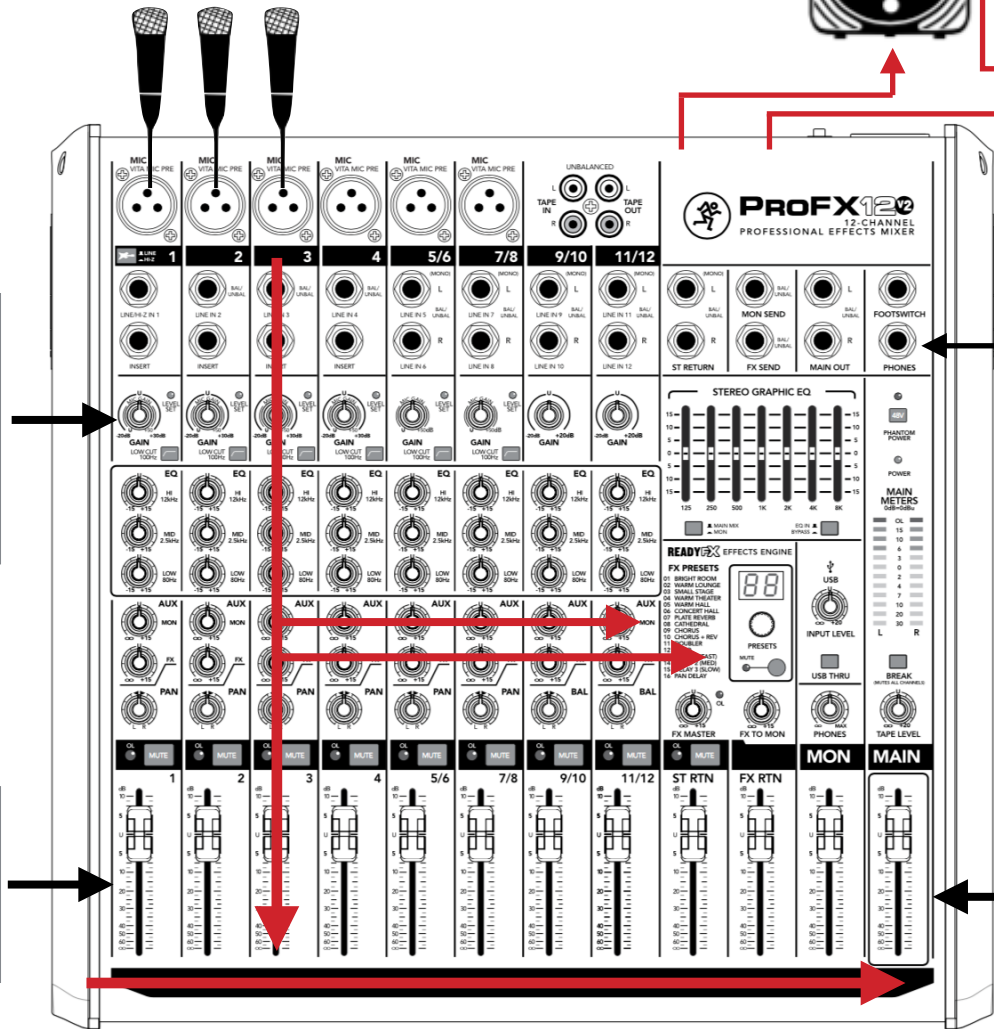
The most important thing to understand is the signal path the sound takes, which is highlighted by the red arrows on track 3 below:

Gain Structure:

One of the most important factors in achieving a great sound system is to properly set you gain controls. Follow the numbered points below:

2.
The preamp gain on each channel is used to set the input level from the source audio. The goal here is to maximise your signal over any inherent noise without clipping or causing distortion.

3.
Once the main fader is set to unity you can use the channel faders to mix the incoming audio.



!!FEEDBACK!!
Feedback occurs when the signal being picked up by the mic is louder than the initial sound going in. This creates an increasing sound loop.
To avoid, don't place mics directly in front of the speakers, and if it is feeding back then lower the level/gain settings.

The Aux knob is for creating Monitor Mixes, by turning the knob up a separate feed of the signal is sent to the monitor fader (MON) which then goes to the monitor output.

The FX knob works in the same way, but send the signal through to the built in FX unit. You then use the FX to Master or FX to Mon knobs to choose how much of it you hear through the monitor, or main speaker outputs.

1.
Bring the main fader to unity (u) as a good starting point for most applications

Please use this system responsibly, its more than powerful enough not to need levels maxed out (this and prolonged feedback will damage the speakers)