Stereo Broadcast Limiter Circuit for Ramsey FM10A and FM25A transmitters Rev 1.0

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Radio Free–Association

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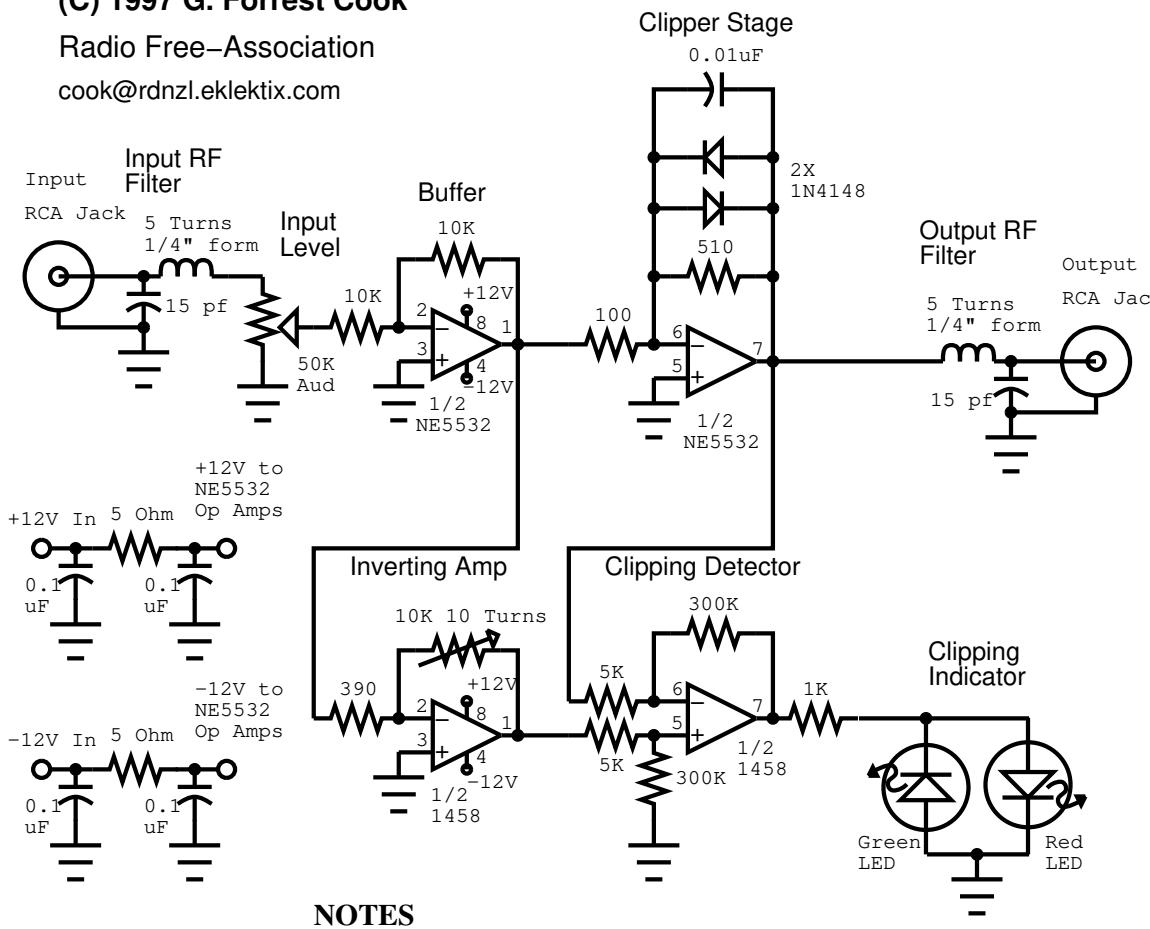

NOTES

–Only one channel is shown, both channels are identical.

–The input and output RF filter coils and capacitors should be built right on the RCA jacks, keep the leads short and use coax to run the signals to the circuitry.

–The circuit should be built inside of a metal box for shielding, use metal boxes for all transmitter circuitry.

–To align the clipper put a low level signal into the circuit and adjust the 10K trimmer so that the LEDs do not light. If you have a scope, adjust the trimmer for no output on pin 7 of the 1458 op amp. When the circuit is adjusted properly the LEDs will light only when it clips.

–To adjust the transmitter input level put a signal, preferably music, into the limiter circuit and set the level to slightly over clipping. Adjust the input level on the transmitter down so that the crunchy splattering sound is just eliminated. Turn the limiter's input signal down to below clipping and listen for decent audio quality.

–During operation the clipping lights should be off or just barely blinking.