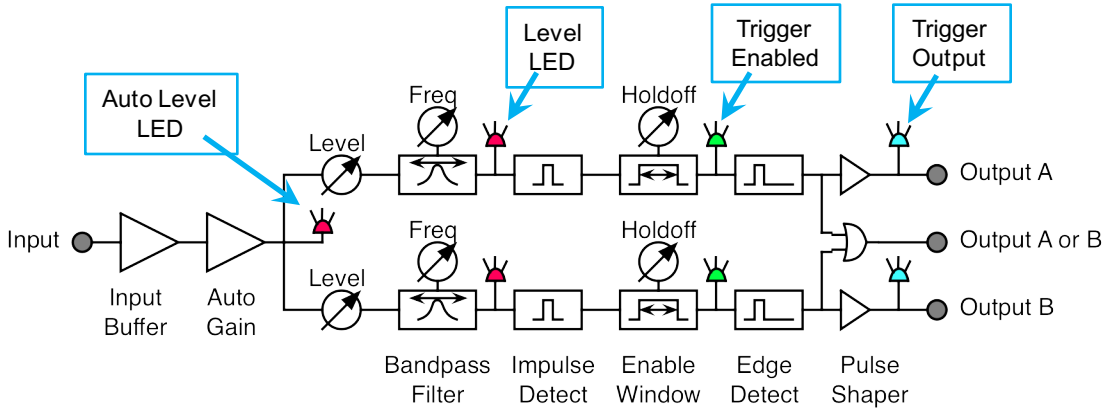
Operation Overview

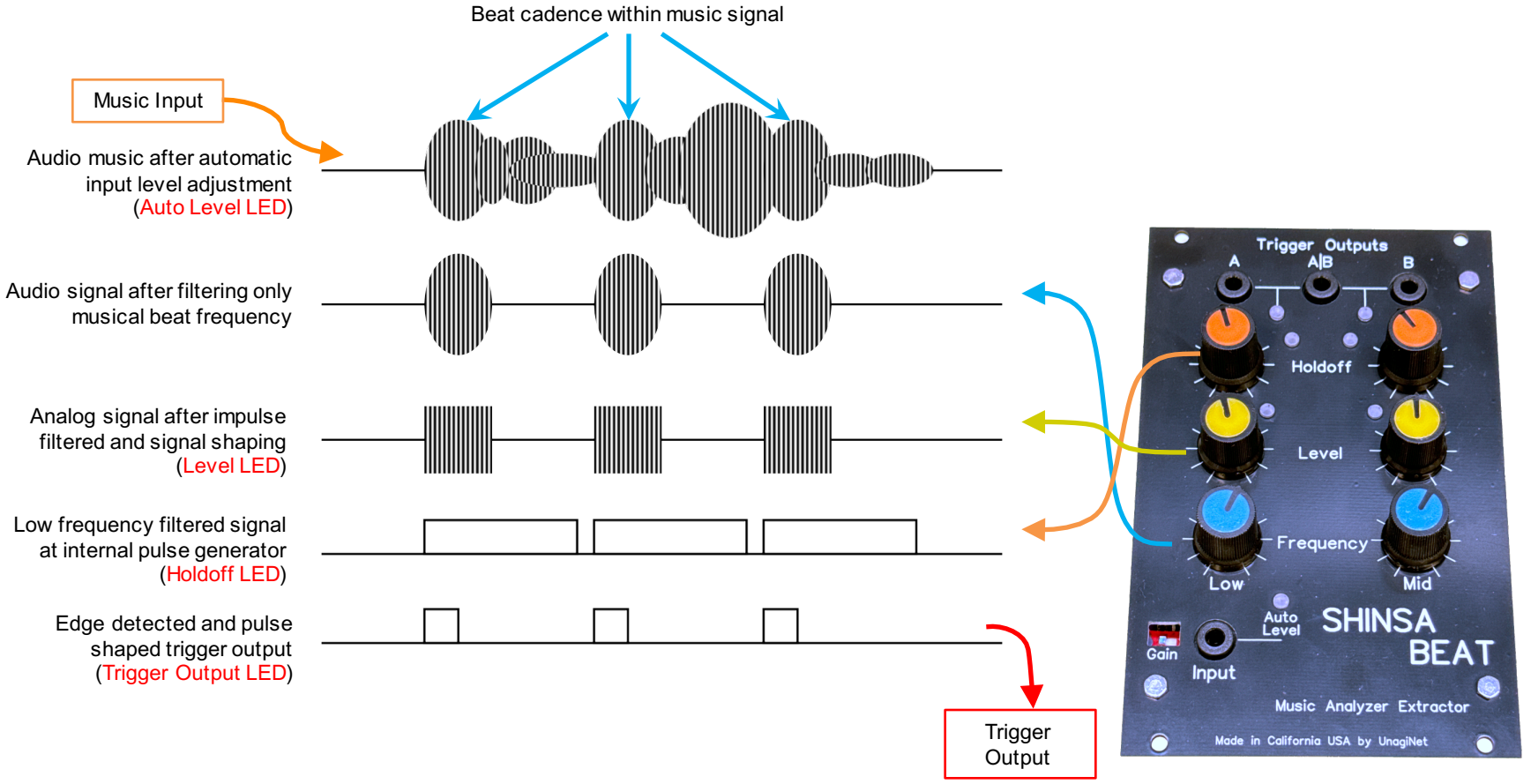
Shinsa BEAT is a unique music analyzer that incorporates several stages of analysis to extract a real time beat cadence. The module embeds a multi-level analyzer and a lot of proprietary circuitry to deconstruct the analog music and output a digital trigger signal for external control. The trigger output is fully synchronized to the incoming music in real time with almost zero latency.

Shinsa BEAT looks at the elements of the music in the frequency domain, then takes that data and converts it into the time domain to create a proper rhythm cadence match. It then synchronizes to a internal beat-per-minute (BPM) signal to output a 5 volt, synchronized, beat-matched trigger output signal.

Signal flow diagram and major functional blocks



Example of typical operation



Getting More Help

Shinsa BEAT is a very complex Eurorack module and trying out various types of music and settings is the best method for understanding how it works. If you are still having difficulty with the module, check out some of the technical videos on our website under the technical documents link. Also, you can reach out to our tech support department, and they'll be glad to help you out.

Unagi Tech Support: techinfo@unagi.net