

# Rangefinder

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Rangefinder is a multifunction control signal source. There are four independent processing channels with outputs, that may each be assigned to one of three functions, which include a low frequency oscillator, scale-quantizable Control Voltage (CV) generator, and a beat-oriented clock. These functions are designed to be used on their own, as well as to integrate with unique additional control inputs. There are two independently assignable CV inputs, as well as a third CV-like input, which derives its control signal from an integrated optical rangefinder. The rangefinder continually measures distance from the front panel to the user's hand or other object, at ranges from a few inches to a few feet. The three inputs each have adjustments for min/max range edges, offset, signal smoothing (noise reduction), and a sort of hysteresis (quantization overlap useful in some functions). Various earlier projects have shown these input adaptabilities can yield more "playable" user interfaces.