

# SOURCE OF UNCERTAINTY - MODEL 266t

## Noise Source:

- **Pink noise** (-3db/oct - low frequency biased)
- **White noise** (flat - equal frequency balanced)
- **Blue noise** (+3db/oct - high frequency biased)

## Fluctuating Random Voltages:

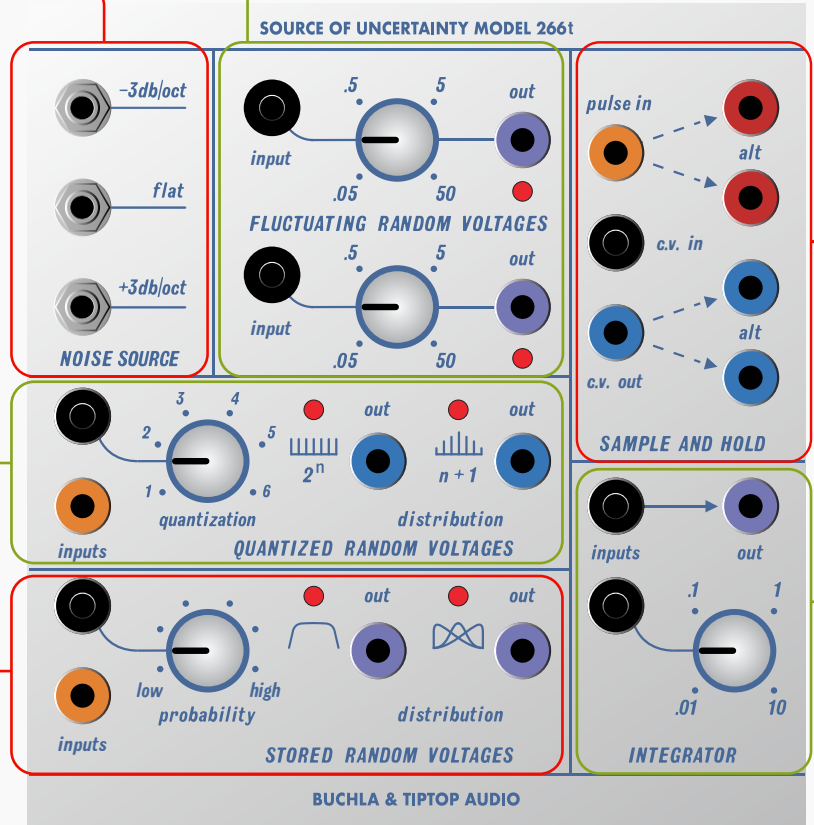
- **CV Input** controls the probable rate of random voltage change
- **Knob** offsets the probable rate change from slow 0.05hz to 50hz
- **CV Output** of voltages with LED indicating the fluctuation rate

## Quantized Random Voltage:

- **Pulse Input** activates a random stepped voltage at the Output
- **The knob** offsets the varying number of steps from setting 1 to setting 6
- **CV Input** controls the number of steps
- **n+1** is more locally scaled in the 5V range
- **2^n** is more equally distributed over a 10V range

## Stored Random Voltage:

- **Pulse Input** activates a random stepped voltage at the **CV Outputs**
  - **The left CV Output** is an evenly distributed random voltage
  - **The right CV Output** has a **potentiometer** and **CV input** to determine the random voltage distribution.
  - **CV In** affects the “curve” distribution of the **right CV Output**
  - **The knob** offsets the “curve” distribution of the **right CV Output**.
- Fully counterclockwise skews in favor of lower voltages. The middle is a bell curve distribution and clockwise skews toward higher voltages.



## Integrator:

- **Input** is looking for discrete or stepped voltages
- **The knob** proportionally smooths out the incoming voltage from 0.01 (no smoothing) to 10 (dramatic smoothing, glissandi)
- **CV Input** controls the smoothing potentiometer
- **TR1** is a trimmer on the back of the module, it adjust the range of the Integrator.

## Sample and Hold:

- **Pulse Input** samples the voltage at the CV Input
- **Pulse “alt”** divides the incoming pulse into alternating pulse outputs
- **CV Input** for periodic, continuous or fluctuating voltages
- **CV Output** of the complete voltages
- **CV Output “alt”** divides the voltages into alternating outputs (great for ping pong effects)

## Specifications:

Size: 24 HP - Depth: 25mm  
Power: +12V 150mA / -12V 100mA

**Buchla** TIPTOPaudio

Eurorack 200 series