NOISE2 USER MANUAL WILDSYNC

Overview

WS Noise2 is a compact yet powerful 3HP Eurorack module that combines a clock generator, sample & hold / track & hold, and a noise source into a highly versatile utility. Despite its minimal size, Noise2 offers deep functionality for adding randomness, rhythmic triggers, modulations, and textural variations to any patch. It's ideal for everything from melodic sequencing and generative CV to glitchy digital artifacts and bitcrushed chaos.

Main Functions

- Internal **Clock Generator** with variable timing and external control options
- Sample & Hold / Track & Hold with input attenuation and internal noise normalization
- Dual **Noise Outputs** white and filtered
- Switchable modes and ranges via rear panel toggles and jumpers
- Compact design perfect for small or dense systems
- Useful for random CV, trigger sequencing, digital noise, bitcrushing, and more

Front Panel Elements

1. TRIG / CV Input Jack

Accepts either trigger signals or control voltage (0–8V) depending on mode (set via rear switch)

2. **CLOCK Potentiometer**

Adjusts the internal clock speed

3. Clock Output LED

Blinks to indicate outgoing clock/triggers

4. CLOCK Output Jack (COUT)

Outputs clock signals at the rate set by the CLOCK knob

5. S&H Input Jack (SHIN)

External signal input for Sample & Hold; internally normalized to noise source if nothing is patched

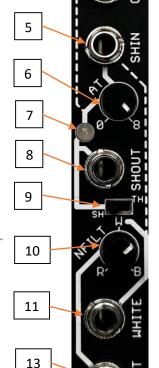
(features ×3 gain)

6. S&H Attenuator (AT)

Controls the input level going into the Sample & Hold

7. S&H Output LED

Bipolar LED shows the polarity and intensity of the sampled voltage



4

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8. S&H Output Jack (SHOUT)

Outputs the sampled or tracked voltage

9. S&H / T&H Mode Switch

Switches between Sample & Hold and Track & Hold modes

10. Noise Filter Potentiometer (NFILT)

Adjusts the tone of the filtered noise output

11. White Noise Output Jack (WHITE)

Outputs unfiltered white noise

12. Filtered Noise Output Jack (NFILT)

Outputs tone-shaped noise affected by the NFILT knob

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Rear Panel Controls (Mode Switches & Jumpers - Board B1)

13. TRIG / CV Mode Switch

Selects how the **TRIG/CV input** operates:

- TRIG mode: external triggers control the S&H circuit independently; internal clock continues to output at the rate set by the CLOCK knob
- o **CV mode:** incoming CV (0–8V) modulates the speed of the internal clock generator

14. S&H Speed Range Switch (SHORT / LONG)

Adjusts the time range for the S&H section:

- SHORT: enables fast update rate great for digital noise or bitcrusher-like effects
- LONG: traditional S&H behavior, good for slow modulations or pitch stepping

15. Noise Source Jumper (WHITE / FILTERED)

Selects the type of noise normalized to the S&H input when nothing is patched:

o WHITE: standard white noise

o **FILTERED:** tone-shaped noise (controlled by NFILT knob)

Note: These settings only affect internal comutation to SHIN.

Rear Panel Controls (Board B2)

- 16. **Eurorack Power(10-pin)** 16-pin Eurorack standard connector; –12V pins are located at the top
- 17. **NLVL Noise Level Trimmer** Adjusts overall noise output level; factory preset to standard 10 Vpp

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-12v

+12



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Use Cases & Creative Tips

• Random CV Generator: Use internal clock and noise-normalized S&H for evolving modulation

- **Bitcrusher Mode:** Set S&H to SHORT and feed it smooth CV like an envelope for stepped artifacts
- Digital Noise: Run fast clock and monitor S&H output without any input
- Melodic Randomness: Clock the S&H from a sequence, send output to VCO pitch
- Texture Control: Use filtered noise as audio or mod source, adjust tone via NFILT

Technical Specifications

Width: 3 HPDepth: 35 mm

• Power Consumption:

 \circ +12V = 29 mA \circ -12V = 11 mA



https://wildsyncgear.com/