

# Noise Engineering – Terci Ruina

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- [Manual PDF](#)

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[Terci Ruina Manual \(PDF\)](#)

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## Terci Ruina Cheat Sheet

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**Noise Engineering Terci Ruina**

*Three Classic Distortions in 4HP (Eurorack)*

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## Quick Start

1. **Power Off** your case before installing.
2. **Align Red Stripe** on ribbon cable with -12V on the module and your power bus.
3. **Screw In** module before powering on!
4. **Patch Your Audio Source** to any input ( In 1 , In 2 , In 3 ).
5. **Patch Output** from any output ( Out 1 , Out 2 , Out 3 ) to a mixer or destination.
6. **Turn Knobs** (FB, FF, FZ) to taste and explore the range of distortions!

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# Panel Controls & Connections

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## Inputs & Outputs

Jack	Type	Description	Voltage Range
In 1	Audio In	First distortion input. Normaled to previous output if nothing patched.	Audio ( $\sim \pm 5V$ typical)
In 2	Audio In	Second distortion input. Normaled to output of FB stage if nothing patched.	Audio ( $\sim \pm 5V$ typical)
In 3	Audio In	Third distortion input. Normaled to output of FF stage if nothing patched.	Audio ( $\sim \pm 5V$ typical)
Out 1	Audio Out	Output of first distortion stage (FB). Normaled to In 2 if nothing patched.	
Out 2	Audio Out	Output of second distortion stage (FF). Normaled to In 3 if nothing patched.	
Out 3	Audio Out	Output of third distortion stage (FZ). Final output if all three are in series.	

**Note:** Inputs/Outputs are audio-rate only; there is *no* CV control or voltage processing in this module.

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## Knobs

Knob	Description
FB	Distortion 1 Drive: Bipolar transistor with diode-feedback clipping. Asymmetric, wild.

Knob	Description
FF	Distortion 2 Drive: Op-amp with feedforward diode clip. Ranges from soft clip to hard.
FZ	Distortion 3 Drive: Two-stage bipolar transistor fuzz. Blends phase sections (LP→HP resp.).

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## Patching Tips

- **FB → FF → FZ (default):** Patch audio into In 1, Out 3 to mixer for max carnage.
- **Re-Order/Isolate Stages:** Use In/Out jacks to break normalization and explore each stage's sound individually or in custom order.
- **Stack with Filters:** Use before/after a filter for classic overdriven bass/acid sounds.
- **Perfect for Drums:** Try on drum machines or acoustic drums for crunchy distortion.
- **Dynamic Control:** Add a VCA after (e.g., Sinc Bucina) for envelope-shaped distortion.
- **Noisy by Design:** Expect and embrace noise, chaos, odd radio pickup.

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## Power Requirements

- **+12V:** 30 mA
- **-12V:** 25 mA
- **Connector:** 2x5 Eurorack standard
- **Depth:** 0.8 inches (shallow skiff friendly)

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## Reference

- **Type:** Triple analog distortion (4HP)

- **Voltage Control:** None (manual knobs only)
- **Patch Flexibility:** Fully series, parallel, or per-stage patching
- **Primary Use:** Brutal distortion, aggressive waveshaping, noise

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For full details, troubleshooting, and warranty:

[\*\*Terci Ruina Full Manual\*\*](#)

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*Generated With [Eurorack Processor](#)*