# 2hp — Rout

- [Manual PDF](#)

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# Rout (2hp) – Cheat Sheet

**What is Rout?** - *Voltage-controlled gate switch.*
- Routes one gate/trigger input to any of four outputs. - Selection via knob or CV input (0–5V). - Perfect for splitting trigger/gate patterns to multiple voices or modulating patterns with a single gate source.

## Panel Controls and I/O Reference

### Inputs

| Jack/ Control | Label | Function | Voltage Range |
|---|---|---|---|
| 1 | INPUT | Main gate/trigger input to be routed | Threshold: 2.5V |
| 2 | SEL CV | CV input to control output selection (overrides knob) | 0V – 5V |

**Knobs**

| Control | Label | Description |
|---|---|---|
| 3 | SEL | Manual selector for output (far left=OUT 1, far right=OUT 4). CV input overrides knob position. |

**Outputs**

| Jack | Label | Description | Voltage Range |
|---|---|---|---|
| 5 | OUT 1 | Gate/trigger output if OUT 1 selected | 0V − 5V |
| 7 | OUT 2 | Gate/trigger output if OUT 2 selected | 0V − 5V |
| 9 | OUT 3 | Gate/trigger output if OUT 3 selected | 0V − 5V |
| 11 | OUT 4 | Gate/trigger output if OUT 4 selected | 0V − 5V |

**LED Indicators**

| LED | Corresponds To | Indicates |
|---|---|---|
| 4 | OUT LED 1 | Shows activity at OUT 1 |
| 6 | OUT LED 2 | Shows activity at OUT 2 |
| 8 | OUT LED 3 | Shows activity at OUT 3 |
| 10 | OUT LED 4 | Shows activity at OUT 4 |

# Basic Operations

1. **Input** your gate/trigger signal to INPUT.

2. **Select** one of four outputs using the SEL knob (or use SEL CV for voltage control).
3. Only **one output** is active at a time—the selected output passes the INPUT signal, others are low.
4. Use the **SEL CV** input (0–5V) to automate output switching (e.g., from a sequencer, sample & hold, LFO, etc.).
5. **Monitor** which output is active via the corresponding OUT LED.

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## Specs

- Width: 2 HP
- Depth: 47mm (Skiff friendly)
- Power: +12V = 26mA, -12V = 6mA

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