

# Erica Synths – Bassline

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- [Manual PDF](#)
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[Erica Synths Bassline Module Manual \(PDF\)](#)

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## Erica Synths Bassline – Quick Reference Cheat Sheet

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### What Is It?

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The Erica Synths Bassline is a full analog synth voice in a Eurorack module, best for acid basslines and fat synth parts. It includes a VCO, transistor-based suboscillator, VCF, and envelopes.

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### Front Panel Controls

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#### Knobs:

| Knob       | Function                                     | Range/Notes |
|------------|--|-------------|
| TUNE       | Set VCO initial tune                         | Manual only |
| SUBOSC LVL | Level of transistor-based suboscillator      | Manual only |
| DETUNE     | Detune the main oscillator vs. suboscillator | Manual only |
| CUTOFF     | VCF Cutoff frequency                         |             |

| Knob      | Function                   | Range/Notes           |
|-----------|----------------------------|-----------------------|
|           |                            | Manual only, CV input |
| RESONANCE | VCF Resonance              | Feedback, acid tones  |
| F ENV     | Filter envelope amount     | Manual only           |
| VCA ENV   | VCA envelope amount        | Envelope strength     |
| VCO CV    | Manual offset of VCO pitch | Manual only           |

#### Buttons:

| Button   | Function                    |
|----------|-----------------------------|
| ACCENT   | Triggers the Accent circuit |
| SLIDE    | Activates Portamento/Slide  |
| OUT      | Main audio output           |
| MAIN OUT | Same as OUT (duplication)   |

## Inputs and Outputs

| Jack   | Type       | Description                       | Voltage Range      |
|--------|------------|-----------------------------------|--------------------|
| VCO CV | Input (CV) | Controls VCO pitch (1V/oct)       | 0V to +10V         |
| GATE   | Input      | Gate/Trigger for envelope and VCA | 0V = off, 2V+ = on |

| Jack     | Type       | Description                         | Voltage Range       |
|----------|------------|-------------------------------------|---------------------|
| ACCENT   | Input      | Boosts envelope intensity for punch | 0V = no accent, 5V+ |
| SLIDE    | Input      | Initiates slide/portamento          | 0V = off, 5V+ = on  |
| OUT      | Output     | Main audio output                   | -5V to +5V          |
| MAIN OUT | Output     | Duplicate main output               | -5V to +5V          |
| VCF ENV  | Input (CV) | VCF Envelope CV input               | 0V to +10V          |

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## Usage Workflow

1. **Pitch control:** Send VCO CV (1V/oct) and use TUNE for fine adjustment.
  2. **Suboscillator amount:** Adjust SUBOSC LVL for punch and body.
  3. **Detuning:** Adjust DETUNE for richer analog texture.
  4. **Gate/Accent/Slide:** Use GATE to trigger notes, ACCENT for punchier envelopes, and SLIDE for acid slides.
  5. **VCF shaping:** Use CUTOFF and RESONANCE for filtering, F ENV to control how much envelope affects cutoff, VCF ENV for external modulation.
  6. **VCA envelope:** Set how "snappy" or sustained the volume is with VCA ENV.
  7. **Patch outputs:** OUT and MAIN OUT both output the final signal.
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## Voltage Reference

- **VCO CV:** 1V/oct (typically 0–10V)
- **Gate/Accent/Slide:** 0V (off), 2V+/5V+ (on)

- **VCF ENV:** 0–10V
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## Special Features

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- Analog transistor suboscillator with detune
  - Full analog OTA-based VCF for classic acid tones
  - Accent and Slide for TB-303 style patterns
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**More info & detailed manual:**

[Erica Synths Bassline - Official Manual PDF](#)

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