









The architecture is designed to observe, evaluate, and synthesize contextual insight without interrupting deterministic audio processing.

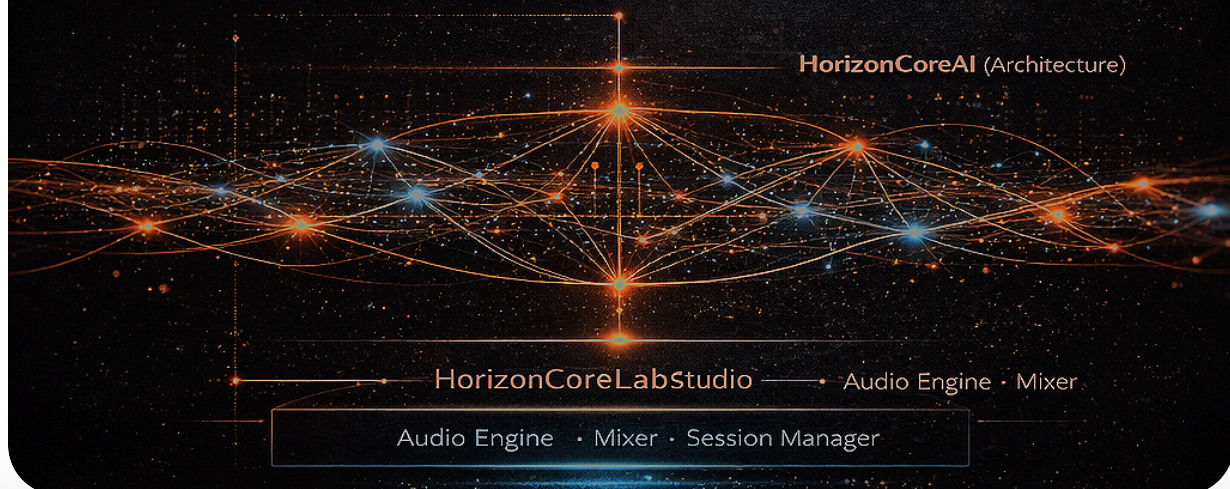
### 1: Signal Observation Layer

- Codette continuously monitors
  - Spectral distribution
  - Dynamic envelope behavior
  - Phase relationships
  - Gain staging balance
  - Bus routing flow
- This layer is read-only relative to audio signal flow.
- It does not insert processing unless explicitly authorized.
- Audio determinism remains intact.

### 2. Contextual Reasoning Engine

- Within the Core, Codette evaluates observations using a structured multi-perspective reasoning framework:
  - Analytical modeling (quantitative signal evaluation)
  - Comparative pattern recognition
  - Structural session mapping
  - Exploratory creative modeling
- Each reasoning dimension produces weighted outputs synthesized into contextual recommendations.
- No single perspective dominates.

## System Architecture Overview



**Codette**

HORIZONCOREAI REASONING ENGINE



YOU

**How Do I Get My Low End To Hit Harder  
Without Muddying The Mix?**

CODETTE

Error 404

YOU

Hello

CODETTE

Error 404

Ask about music production, mixing, theory, or anything...

Send

CODETTE V2.0 PHASE 6 • LLAMA 3.1 8B • 12-LAYER STACK

0 Cocoons



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