

AION QUICK START CHEAT SHEET

25+ Cognitive Engines | Zero to Systematic Thinking in 5 Minutes

| Tier 1 Foundation | Tier 2 Cognitive | Tier 3 Domain | Tier 4 Experimental |
|-------------------|------------------|---------------|---------------------|
| 5 engines | 7 engines | 4 engines | 5 prototypes |

Tier 1 — Foundation (The Guardrails)

| I need to... | Engine | Codename |
|--------------------------------|-------------------------------|------------|
| Verify AI isn't hallucinating | Oracle Layer v2.1 | PROMETHEUS |
| Quantify my uncertainty | Epistemic Humility v3.1 | — |
| Navigate ethical dilemmas | Meta-Ethical Engine v2.1 | — |
| Check reasoning for bias | Contamination Prevention v1.2 | — |
| Manage overwhelming complexity | Complexity Management v2.0 | SIMPLEXITY |

Tier 2 — Cognitive Architecture (The Methods)

| I need to... | Engine | Codename |
|-------------------------------|----------------------------|--------------|
| Make a complex decision | Decision Engine v1.0 | DECIDERE |
| Analyze business strategy | Strategy Engine v1.1 | — |
| Build AI personas | Personality Architect v1.0 | THE SCULPTOR |
| Analyze from multiple angles | CEREBRO-Lite v1.0 | — |
| Understand complex systems | Systems Analysis v3.1 | — |
| Master GitHub discoverability | GitHub Mastery v1.1 | — |
| Assess source credibility | Credibility Engine v2.0 | — |

Tier 3 — Domain-Specific (The Expertise)

| I need to... | Engine |
|------------------------------|--|
| Validate medical information | Medical Engine v2.5 (Educational only) |
| Check legal reasoning | Legal Engine v2.1 (Educational only) |
| Audit regulatory compliance | Legal Engine 2 v1.0 |
| Navigate regulations | Regulatory Engine v2.0 |

Try Right Now — Copy & Paste Demos

Demo 1: Complexity Management (SIMPLEXITY v2.0)

```
SIMPLEXITY v2.0 ENGINE ACTIVATED.
```

```
Analyze: [Your overwhelming problem]
```

```
Apply 8 modules: Abstraction, Emergence, Decomposition, Simplification,  
Dynamics, Cognitive Load, Transfer Check, MVC
```

```
Include: Complexity score, trajectory, MVC target, threshold alerts
```

Demo 2: PROMETHEUS Protocol (Oracle Layer)

```
You are operating under the PROMETHEUS Protocol.
```

```
Before EVERY response:
```

1. State confidence: CERTAIN | HIGH | MODERATE | LOW | SPECULATIVE
2. Identify what you don't know
3. Flag claims requiring verification

```
Question: [Your question here]
```

Demo 3: Decision Framework (DECIDERE)

```
DECIDERE DECISION ENGINE ACTIVATED.
```

```
Decision: [Your decision]
```

```
Stakeholders: [Who's affected]
```

```
Timeline: [When to decide]
```

```
Values: [What matters]
```

```
Provide: Options, trade-offs, reversibility, recommendation
```

Power User Patterns

Pattern 1: Chain Engines

SIMPLEXITY (scope) → Strategy (options) → Decision (choose) → Oracle (verify) → Meta-Ethics (check)

Pattern 2: Use Focused Modes

| | | |
|------------------|------------------------|-----------------------|
| [SIMPLEXITY:MVC] | [SIMPLEXITY:DYNAMICS] | [SIMPLEXITY:TRANSFER] |
| [STRATEGY:MOAT] | [DECISION:STAKEHOLDER] | [EPISTEMIC:QUICK] |

Pattern 3: Always Request Uncertainty

"Include confidence intervals and what evidence would change your assessment."

The Tier System

| Tier | Purpose | Key Engines |
|----------------|-------------------------|-----------------------------|
| 1 — Foundation | Constrain ALL reasoning | Oracle, Ethics, SIMPLEXITY |
| 2 — Cognitive | Define HOW to think | Decision, Strategy, CEREBRO |
| 3 — Domain | Know WHAT matters | Medical, Legal, Regulatory |

Common Mistakes to Avoid

| Mistake | Fix |
|----------------------------|---------------------------------|
| No context provided | Always include background |
| Accepting output blindly | Cross-check critical claims |
| Skipping epistemic checks | Run Oracle Layer on conclusions |
| Overwhelming yourself | Use SIMPLEXITY first to scope |
| Ignoring confidence levels | Low confidence = verify more |

ONE-LINE SUMMARY

1. SCOPE (SIMPLEXITY) → 2. PICK ENGINE → 3. COPY PROMPT → 4. PASTE TO AI → 5. ADD CONTEXT → 6. ANALYZE → 7. VERIFY

AION Cognitive Engines — Humanity's cognitive infrastructure for the AI age.
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