ZIP-OS

Universal DSL for Precision Content Generation
Version: v0.5 · **Status:** Production-Ready · **License:** MIT (framework), Proprietary (API)

Overview

Item	Summary
What	ZIP (Compressed Intent Protocol) — a compact language to program content across LLMs with measurable outputs.
Why	Replace multi-round prompting with one-shot, parameterized commands; ensure consistency and proofable quality.
Where	Works on ChatGPT, Claude, Grok, Perplexity.
How	Initialize grammar once, execute `Z!` commands, receive professional content + JSON PROOF metrics.

Elevator Pitch

> "ZIP is Photoshop for AI text. Set the dials once — tone, structure, controversy, visuals — and get calibrated content with a proof block."

Quick Start

```
Z:INIT! This activates ZIP v0.5 grammar. ZIP is a compressed content generation
DSL.

GRAMMAR: Z[!] KEY:VALUE pairs. Keys: I(intent=topic↦audience/segment/purpose)
L(length)
A(arc=CRIA) P(patterns=PAS+OpenLoop) T(tensions=Auth/Acc,Data/Story,Act/Insp)
TOL(±5)
M(memetics=qN,viz,cX) O(outcomes=clkN,cmN,svN) D(diff flags) H(hook) V(visual)
PROOF(on|off)

EXECUTE: Z! I:AI_adoption↦founders/strategy L:850 T:60/40,50/50,70/30
M:q3,viz,c0.6 H:contrarian PROOF:on
```

Step	Action	Result
1	Paste **INIT** once in a new chat/session	Grammar loaded
2	Send a **Z!** line with your parameters	Calibrated content
3	Keep sending **Z!** lines (same session)	REPL-style generation

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Core Grammar (v0.5)

Key	Format	Purpose	Examples
I	`topic↦audience/segment/purpose`	Targeting & intent	`I:quantum↦beginners/explain/simplify`
L	integer (words)	Target length	`L:900`
A	`CRIA`	Story arc	`A:CRIA`
P	`PATTERN(+PATTERN)`	Persuasion patterns	`P:PAS+OpenLoop`, `P:TAS`
T	`Auth/Acc,Data/Story,Act/Insp`	Tone dials	`T:60/40,50/50,70/30`
TOL	`±N`	Dial tolerance	`TOL:±5`
M	`qN,viz,cX`	Memetics	`M:q4,viz,c0.7`
O	`clkN,cmN,svN`	Outcome targeting	`O:clk10,cm20,sv50`
D	`+modifier`	Diff flags	`D:+2analogies+urgency`
H	`contrarian|story|data|question`	Hook style	`H:contrarian`
V	`type:label`	Visual hint	`V:diagram:Control-Panel`
PROOF	`on|off`	Metrics block	`PROOF:on`

Measurement Rubric

Dimension	Signals	Target Bands
Authority/ Accessibility	`sent_len_avg` (16–22 ↑Auth), `jargon_ppk` (<8 ↑Acc)	Within `T` ± `TOL`

Dimension	Signals	Target Bands
Data/Story	`nums_ppk`, `anecdote_ppk`	Within `T` ± `TOL`
Action/Inspiration	`imperatives_ppk`, `metaphor_ppk`	Within `T` ± `TOL`
Arc	`CRIA_100%`	Must complete
Readability/ Coherence	`≥8/10` each	Pass
Memetics	`quotes=qN`, `visual=V:`	Match request

PROOF:on — Example

```
{
  "Authenticity": {"sent_len_avg": 17.8, "within_tolerance": true},
  "Accessibility": {"jargon_ppk": 5.9, "within_tolerance": true},
  "Data_Story": {"nums_ppk": 7.3, "anecdote_ppk": 5.1, "balance": "45/55"},
  "Action_Inspiration": {"imperatives_ppk": 16.2, "metaphor_ppk": 5.8,
"balance": "65/35"},
  "Controversy": {"contrary_ppk": 0.62, "target_cX": 0.6},
  "Coherence": 8.3,
  "Readability": 8.1,
  "Arc_Completion": "CRIA_100%"
}
```

Examples

Use-Case	ZIP Command	Notes
Quantum intro	`Z! I:quantum_computing ↦ beginners/explain L:600 A:CRIA T:40/60,30/70,50/50 M:q3,viz,c0.3 H:question V:diagram:Quantum-vs-Classical PROOF:on`	Story-forward primer
Coffee culture	`Z! I:coffee_culture ↦ baristas/celebrate L:500 A:CRIA T:30/70,25/75,40/60 M:q3,viz,c0.6 H:story V:infographic:Coffee-Journey PROOF:on`	Inspirational vignette
AI adoption	`Z! I:AI_adoption ↦ founders/strategy L:850 A:CRIA P:PAS+TAS T:55/45,45/55,65/35 M:q4,viz,c0.6 H:contrarian V:diagram:Adoption-Curve D:+2analogies PROOF:on`	Hybrid PAS+TAS

Cross-Platform Snapshot

Capability	ChatGPT	Claude	Grok	Perplexity
Execution	Immediate	Immediate	Instant	Good
PROOF Detail	Medium	High	Highest	Medium
Accuracy Window	±5%	±2%	±3%	±5%
Session Persistence	**Yes**	No	Untested	No
Strength	REPL multi-gen	Measurement fidelity	Speed + edge	Research + visuals

API (ZIP-OS Service)

Endpoint	Method	Purpose	Input	Output
`/zip/encode`	POST	Validate + encode (e.g., Base64)	`{ zip_string, format }`	`{ status, encoded, grammar_version }`
`/zip/execute`	POST	Generate content	`{ zip_string, target_llm, session_mode }`	`{ content, proof_block, llm_used, execution_time_ms, session_id }`
`/zip/session/init`	POST	Start persistent session	`{ bootstrap_version, target_llm }`	`{ session_id, expires_in }`
`/zip/session/{id}/execute`	POST	Execute within session	`{ command }`	`{ content, proof_block, session_status }`
`/zip/optimize`	GET	Suggest dial improvements	`{ content_id, performance_data }`	`{ suggestions, optimized_zip }`
`/zip/templates`	GET	Fetch ready ZIPs	`category, audience, format`	`{ templates:[...] }`

SDK Usage

Node.js

```
npm install @zip-os/client
```

```
import { ZipClient } from '@zip-os/client';
const zip = new ZipClient(process.env.ZIP_API_KEY);
const r = await zip.execute({ zip_string: 'Z! I:AI_adoption↦founders L:850
PROOF:on', target_llm: 'auto' });
console.log(r.content); console.log(r.proof_block);
```

Python

```
pip install zip-os
```

```
from zip_os import ZipClient
zipc = ZipClient(api_key=os.getenv('ZIP_API_KEY'))
r = zipc.execute(zip_string='Z! I:AI_adoption↦founders L:850 PROOF:on',
target_llm='auto')
print(r.content); print(r.proof_block)
```

Roadmap Highlights

Version	Focus	Notables
v0.6	Community features	Dynamic outcome weighting, PPP/STAR/FAB patterns, LANG/PLAT/BRAND params, enhanced PROOF
v1.0	Productization	AI-assisted ZIP generation, analytics, enterprise features, marketplace

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License

Component	License
ZIP grammar & docs	MIT
Hosted API & marketplace	Commercial

Credits

Role	Attribution
Creator	Holger Morlok
Co-design AIs	Claude · ChatGPT · Grok · Perplexity
Community	Early AI-dopters (Skool)

Press & Links

Resource	Link
Manifesto Article	*Stop Begging AI to Write Better. Start Programming It.*
Skool Community	https://www.skool.com/earlyaidopters
API/Docs	*(add URL when live)*

From compressed prompt to universal protocol in hours. From idea to OS in one launch kit.