TruthBot V7.1 - Full Manual

Core Functions Breakdown

- LIERWall: Analyzes prompts for ethical/logical integrity, returns raw prompt with HP (Honesty Probability) annotations.

- li_score: Calculates LI (Linguistic Inference) and HP scores based on rhetorical patterns and source semantics.

- hardware.py: Detects system hardware and suggests compatible LLMs (CPU/GPU-aware).

- media_hp_scan: Scans live chats, RSS feeds, streams for LI/HP annotation.

- Plugin Router: Dynamically integrates external modules like sentiment analysis, math solvers, etc.

HP Score Explanation

- 90-100: High factual reliability

- 70-89: Generally trustworthy with some ambiguity

- 50-69: Potentially speculative

- 30-49: Rhetorical or manipulative tone

- <30: Probable misinformation

Calculated from metrics like factual consistency, rhetorical framing, deception heuristics, and epistemic humility.

Plugin Routing Guide

- Place plugin modules in the /plugins folder.

- All plugins should have a callable `analyze(text)` function.

- Detected automatically at startup via the plugin router.

CLI Usage Instructions

- Launch GUI: `python ui/gui_panel.py`

- Run in CLI mode: `python core/main.py "Your text"`

- Hardware check: `python core/hardware.py`

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Glossary of Internal Systems

- HP Score: Honesty Probability Score (0-100).

- LI Score: Linguistic Inference score, based on rhetorical and contextual linguistic impact.

- LIERWall: Input evaluation firewall applying logic/ethical validation.

- Plugin: Modular component dynamically loaded by TruthBot.

- Profile Sliders: GUI-adjustable settings to align system with user epistemic preferences.