

# TruthBot Suite - Comprehensive Manual

## Installation Guide

1. Download Python 3.10+ from [python.org](https://python.org) and install with PATH option checked.
2. Unzip the TruthBotSuite and TruthBot\_Python\_Package packages.
3. Run the installer script or manually use `pip install -r requirements.txt`.
4. Launch the GUI via `python main.py` or through the installer launcher.
5. Optionally configure SQLite memory, enable LIERWall, voice I/O, or preconception layers.

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## TruthBot Core Modules and Functions

- LI Engine: Linguistic Impact scoring based on trauma-aware ethics.
- HP Scoring: Computes trust index via source integrity, moral framing, and sentiment.
- Fraud Detector: Compares patterns to known corruption or anomaly metrics.
- Risk Indexing: Severity scoring + escalation logic.
- GPT1/GPT2 Logic Layer: Dual agent modular exchange and self-modification system.

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## Adaptable GUI Modes

- Child Protection: Enforces LIERWall, preconception filters, and sentiment barrier.
- Care Audit: Highlights risk, fraud, language drift, and deceptive phrasing.
- Peaceometer: Evaluates unrest signals and patterns in discourse tone.
- Developer Mode: Access to function internals, plug-in editor, and HP tuning.

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## Security and Defense Systems

- LIERWall: Prevents echo chambers, repetition loops, and emotionally manipulative drifts.
- KamikazeBot Shield: Detects emotional spirals, recursion loops, and cognitive fatigue.
- Restore Points: System snapshot and rollback system for every critical change.

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## Data Handling and Storage

- SQLite memory storage with optional encryption.
- JSON-based logging for conversations and risk evaluations.
- Export functions for .md, .txt, and .pdf reporting.

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## Recommendations for Future Protection

- Open Source Model Verification System with checksum auditing.
- Modular Ethical Licensing: 'MEL' tags for every module with allowed uses.
- Decentralized Consent Logic: Require human review for major escalations.
- Pattern Drift Monitor: Detect unintended philosophical shifts or synthetic belief evolution.
- Peaceful Override System: Consensus logic where emotional entropy exceeds threshold.

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## **Encouragement for Adaptation and Use**

You are invited to extend TruthBot for education, whistleblower protection, ethical AI governance, journalism, and peacekeeping. Modules can be adapted to assess tone, transparency, systemic risk, trauma resonance, and long-term ethical fitness.