

Kingdom Of Bots (KOB) for MT4 – User Guide and In-Depth Explanation

About This Guide

This guide provides detailed instructions for configuring, interpreting, and effectively using the **Kingdom Of Bots (KOB)** expert advisor on the **MetaTrader 4 (MT4)** platform.

KOB is symbol-agnostic by design and does not require optimization. **Primary risk exposure** is primarily governed by **timeframe selection**, **Strategy Mode** (entry behavior), and **Exit Mode** (position management dynamics), while **position sizing risk** is managed via the **Risk Model (Kelly / Fixed)** and **Fractional Kelly**.

Finite exposure is structurally constrained by a capped number of simultaneous positions per cycle, limited to 8 under Conservative Exit mode and 16 under Aggressive Exit mode — a structural constant of KOB, not an optimized parameter. Users should note that this maximum cannot be changed, ensuring controlled and predictable risk per cycle.

KOB is broker-agnostic by design and does not rely on any specific broker, spread model, or execution conditions to operate reliably.

1. Philosophy and Purpose of KOB

KOB is designed to address two core limitations of conventional automated trading systems:

- **Noise-driven execution:** Most EAs react to short-term price fluctuations rather than underlying market structure.
- **Unbounded exposure:** Many systems rely on grids, martingale, or unlimited trade stacking.

KOB solves these by:

- Aligning execution with market regimes and cycles, not with ticks or random noise.
- Enforcing finite, structurally bounded exposure per trading cycle.

Instead of reacting to isolated price events, KOB operates on Ramanujan Theta Waves and market regime detection, synchronizing trade execution with the dominant market cycle.

Each cycle is treated as a closed structural unit: positions are managed as a basket and fully closed at cycle completion.

This approach aligns trading decisions with the market's internal rhythm, producing controlled risk and consistent behavior across symbols and timeframes.

2. KOB Parameters — Explained for Traders

2.1 Core Parameters

- **Strategy Mode:** Aggressive / Conservative

Defines how assertively KOB executes within a detected market regime. Aggressive mode increases trade frequency within the same cycle, while Conservative mode prioritizes selectivity and stability.

- **Exit Mode:** Aggressive / Conservative

Defines how positions are managed and closed within an active cycle. Aggressive mode prioritizes faster profit realization and shorter market exposure, while Conservative mode keeps positions open longer, giving trades more room to evolve.

- **Risk Model:** Kelly / Fixed

Defines how **position size** and **capital exposure per trade** are calculated.

- **Fractional Kelly [%]:** 9

Used only when **Risk Model = Kelly**. Controls the fraction of the theoretical Kelly position size applied in execution. Lower values reduce volatility; higher values increase capital utilization. Default: **9%**.

- **Lot Size:** 0.01

Used only when **Risk Model = Fixed**. Defines a constant lot size per trade, independent of account equity. Default: **0.01**.

- **MagicNumber:** 1729

Unique identifier used by KOB to manage and isolate its own trade cycles. Ensures full separation from other EAs or manual trades. Default: **1729**.

- **Post-Safeguard New Peak Sitting Out:** true

Safety switch.

When enabled, KOB will activate **Sitting Out on AccountBalance at Safeguard** and **not initiate a new trading cycle**, allowing a clean and controlled stop without forcing trade closures.

Trigger condition: Safeguard is considered reached **upon a 23.6% equity drawdown** (structural regime break).

Default: **true**.

3. KOB Graphical Panel (GUI) — Explained for Traders

3.1 Panel Header

- Title: "Kingdom Of Bots v." + VERSION
Displays the EA name and the currently loaded version.

3.2 Execution Status

The status field reflects the **current operational state** of KOB within the active trading cycle:

- **MANAGING**

Initial state after the EA is attached to the chart.

No new trades are opened. Existing positions (if any) are managed.

The EA waits for the **rollover time** before transitioning to RUNNING.

- **RUNNING**

KOB is actively aligned with the current market regime.

New trades may be opened and managed according to strategy logic.

- **SITTING OUT**

User-controlled safe state.

Prevents KOB from opening trades in the **next cycle**, while allowing existing positions to be managed and closed normally.

- **MARGIN CALL**

Account margin is insufficient to open new trades.

KOB suspends execution but continues to manage existing positions.

- **MARKET HALTED**

Trading is paused due to market closure or symbol unavailability.

- **NO MONEY**

Account balance is insufficient to open new positions.
Existing trades remain under management.

3.3 Strategy & Risk Display

- **Strategy Mode:** Aggressive / Conservative

Displays the currently active execution mode.

- **Exit Mode:** Aggressive / Conservative

Displays the currently active exit management mode.

- **Risk Model:** Kelly / Fixed

Displays the active risk configuration.

3.4 Account Metrics

All values are shown in the **deposit currency**:

- **Account Balance**

Current account balance.

- **Account Equity**

Real-time equity including floating profit or loss.

- **Realized P/L**

Net realized profit or loss **since the EA attachment**.

- **Unrealized P/L**

Floating profit or loss from open positions.

- **Margin Used**

Total margin allocated to open positions.

- **Margin Available**

Free margin available for new positions.

3.5 User Controls

- **Sitting Out at Next Cycle**

Manual safety switch.

When enabled, KOB will **not initiate a new trading cycle**, allowing a clean and controlled stop without forcing trade closures.

4. How to Test KOB in MT4 Strategy Tester

Modelling: Every tick

Tip: To achieve higher **History Quality**, run the Strategy Tester using your **MT4 real trading account**, which provides broker-based tick data.

For highest **History Quality** (approaching real tick data), user may use high-resolution tick data from Dukascopy historical feed.

➡ <https://www.dukascopy.com/swiss/english/marketwatch/historical/>

Tip: For faster testing, match the account currency (EUR, USD, GBP, CHF) to the symbol's quote currency and disable Visual Mode (charts, indicators, trade display).

For example: Use USD for USD-quoted currency pairs (e.g. EURUSD), for XAUUSD, and for indices such as #US30.

4.1. Recommended Settings

The Default Settings serve as the baseline reference.

Note: No specific timeframe is recommended for KOB, as multiple timeframes may produce meaningful metrics that warrant consideration. Users should evaluate each

symbol across various timeframes and select configurations based on independent backtesting results.

Tip: For XAUUSD on M1 with Risk_model=Fixed, start with an initial balance of 10,000 USD and review the final KOB report (Max Margin Used) and Strategy Tester metrics (Equity Drawdown Maximal) to estimate the minimum required capital.

If testing produces unsatisfactory results, then this symbol should not be traded with KOB.

Tip: For discretionary risk suspension, refer to **Section 3.5 – Sitting Out at Next Cycle**, which allows controlled cycle interruption without forced position closures.

Four predefined (.set) configuration files are supplied, each mapped to a distinct Entry/Exit regime combination: EntryAgg_ExitAgg, EntryAgg_ExitCons, EntryCons_ExitAgg, and EntryCons_ExitCons.

While KOB is symbol-agnostic by design, each symbol must be validated independently by the user. Consequently, users are expected to create and maintain dedicated configuration files for each symbol only after verifying satisfactory backtesting results over a minimum period of one year (e.g., KOB_EntryAgg_ExitCons_EURUSD_H1).

5. Troubleshooting KOB

5.1 Problem: After updating, the previous version of the EA is no longer available.

Solution:

If you want to keep multiple versions, simply copy the EA file from the Market folder and rename it with the version number.

Example: Kingdom Of Bots MT4 [version].ex4

5.2 Problem: How to purchase a trading robot from the MetaTrader Market and install it?

Solution:

Step-by-step written guide on buying a trading robot from the official MetaTrader Market, downloading it, and completing installation inside MT4 or MT5.

🔗 <https://www.mql5.com/en/articles/498>

5.3 Problem: How to purchase a robot or an indicator in the Market of MetaTrader Platforms?

Solution:

Short video tutorial showing the process directly inside the MetaTrader terminal, from searching the product to final installation.

📺 <https://www.youtube.com/watch?v=M1lD90g9Rjg>

5.4 Problem: Tips for Purchasing a Product on the Market – Step-By-Step Guide

Solution:

Comprehensive article with practical tips, payment method options, and verification steps before purchasing from the Market.

🔗 <https://www.mql5.com/en/articles/1776>

6. KOB – Comparative Metrics by Strategy/Exit Mode (EURUSD, H1, 2025.01.01–2026.02.21 , Initial Deposit 1000 USD, Leverage 1:25)

Mode	Strategy / Exit	Max Cycles	Total Trades	Max Active Trades	Max Margin Used	Total Net Profit	Total Traded Volume	Profit per 1M USD	Notes
AA	Aggressive / Aggressive	74	165	5	195.04	269.00	1.65 lots	1445.77	Entry aggressive, exit aggressive; moderate frequency & high P/L
AC	Aggressive / Conservative	248	274	5	198.23	112.24	2.74 lots	362.96	Reference configuration; entry aggressive, exit more selective; lower drawdown
CA	Conservative / Aggressive	63	133	5	173.64	248.02	1.33 lots	1653.79	Entry selective, exit aggressive; moderate frequency & high P/L
CC	Conservative / Conservative	217	231	4	158.63	90.22	2.31 lots	345.54	Full conservative; lower frequency, minimal drawdown

7. Mode Selection Framework

KOB provides four execution configurations combining entry aggressiveness and exit discipline.

Each mode operates across varying volatility regimes and structural market conditions.

AC – Aggressive Entry / Conservative Exit

Default Institutional Mode

Recommended for:

- High-volatility regimes
- Volatility expansion environments
- Macro uncertainty / shock conditions
- Capital preservation priority

Characteristics:

- Controlled tail-risk exposure
- Reduced per-cycle drawdown
- Improved stability under persistent directional moves
- Lower equity volatility relative to aggressive exit modes

This is the default configuration. For a specific setup, use the symbol-specific `.set` file validated by the user (e.g., `KOB_EntryAgg_ExitCons_EURUSD_H1`).

AA – Aggressive Entry / Aggressive Exit

Recommended for:

- Stable volatility environments
- Mean-reverting market structures
- Higher return variability objectives

Characteristics:

- Higher convex return profile in normal regimes
- Increased exposure to tail events
- Larger drawdown sensitivity during volatility spikes

Not recommended during volatility shock periods.

CA – Conservative Entry / Aggressive Exit

Recommended for:

- Selective participation in moderate regimes

- Reduced entry exposure with accelerated exit dynamics

Characteristics:

- Lower trade frequency
- Elevated drawdown risk under sustained trends
- Sensitive to regime shifts

CC – Conservative Entry / Conservative Exit

Recommended for:

- Reduced exposure mandates
- Capital preservation bias
- Lower participation frameworks

Characteristics:

- Lower trade intensity
- Reduced capital velocity
- Diminished tail-risk exposure relative to aggressive exit modes

Risk Governance Mechanism

Automatic Drawdown Safeguard

Upon a 23.6% equity drawdown (defined as a structural regime break level), the system enforces CC (Conservative Entry / Conservative Exit) mode for the duration of the EA runtime.

Automatic Deposit Load Cap

The system suspends new trade initiation once deposit load reaches 23.6% (maximum exposure limit), preventing any additional exposure beyond this threshold.

Practical Guidance

- CC is listed last but is not the least recommended; selection should be based on historical performance and risk preference.
- Use CC on M1 for Rebate EA execution; select symbols with favorable performance metrics.