# NEXUS BREAKOUT — User guide

MetaTrader 5 Expert Advisor · version 1.80

## 1. Installation

1. Buy or rent the EA on the MQL5 Market; it installs in `Navigator > Expert Advisors > Market`.
2. Enable **Algo Trading** in the terminal toolbar.
3. Download `Nexus_Breakout_sets.zip` from the product comments and unzip it into `MQL5\Presets` (File > Open Data Folder).

## 2. Charts and set files

Open one **M15** chart per engine, attach the EA, then click **Load** in the Inputs tab and choose the matching set file. Each engine has its own magic number: keep them different.

| Chart (M15) | Set file | Strategy | Default risk |
|---|---|---|---|
| XAUUSD | Nexus_Breakout_XAU_BOX.set | Session box breakout | 0.25% |
| US30 | Nexus_Breakout_US30_BOX.set | Session box breakout | 0.20% |
| US30 | Nexus_Breakout_US30_REVERSION.set | Mean reversion | 0.25% |
| US100 | Nexus_Breakout_US100_ORB.set | Opening range breakout | 0.40% |
| AUDUSD | Nexus_Breakout_AUDUSD_REVERSION.set | Mean reversion | 0.20% |
| NZDUSD | Nexus_Breakout_NZDUSD_REVERSION.set | Mean reversion | 0.20% |

You can run any subset. Gold alone is the main engine. Symbol names, broker suffixes (e.g. `US30.cash`) and the broker server time are detected automatically.

## 3. Account mode ( `InpAccountMode` )

| Mode | Use | Risk |
|---|---|---|
| 0 – Standard | Funded or personal account | × 1 |
| 1 – Challenge | Prop-firm challenge: closes all and stops at the target ( `InpChallengeTargetPct` , 10%) | × 1.25 |
| 3 – Challenge dynamic | Same, risk raised to × 2 after +3% profit, reduced when below the start balance | × 1.25 → × 2 |
| 2 – Risky | Small personal account accepting deeper drawdowns | × 2 |

Set the same mode on every chart of the account. In challenge modes set `InpChallengeStartBal` to the challenge start balance.

## 4. Key inputs

| | |
|---|---|
| `InpRiskPercent` | Risk per trade in % of balance, before the account mode factor. |

| | |
|---|---|
| `InpTargetMaxDDPercent` | Stops the EA when the drawdown from the equity peak reaches this % (9% in the sets). |
| `InpMagicNumber` | Unique per chart. Do not change it while positions are open. |
| `InpUseLiveCalendar` | Reads CPI, NFP and FOMC from the MT5 economic calendar (keep true). |
| `InpShowDashboard` | On-chart panel; set false on a VPS to save CPU. |

## 5. Recommended conditions

- Raw spread / ECN account, broker with GMT+2 / +3 server time (New York close at midnight); others are handled automatically.
- VPS with low latency to the broker; the EA restores its state after a restart.
- From 5,000 USD for gold alone, 10,000 USD with the index engines (minimum lot 0.1 on indices).

> **Do not** restart or swap set files while positions are open. Change settings at the weekend.

## 6. FAQ

**No trade for days?** Normal: the engines skip CPI and FOMC days, low-volatility days and boxes that are too small. Gold trades most days, the other engines a few times a week.

**"Not enough money" or lot refused?** The EA never forces the minimum lot above 1.5× the planned risk. Raise the balance or the risk, or drop the index engines.

**Journal shows "events file deserialization failed"?** MT5 calendar cache issue: close the terminal, empty `bases\Default\Calendar` in the data folder, restart and open the Calendar tab once.

## 7. Risk

Backtests ran on real ticks 2020–2026 on three brokers. The edge was measured in the volatile regime that followed 2020; earlier years were weaker. Past results do not guarantee future results. Trading leveraged products can lose all your capital. Start on a demo account.

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