

# Sigma Reversion Pro v1.7

M5 Mean-Reversion Strategy · Demo Edition · User Guide

Thank you for testing Sigma Reversion Pro v1.7. This is an institutional-grade mean-reversion strategy designed to capture volatility “snap-backs” on the M5 timeframe.

**Important:** this version is locked to **demo accounts only**. It will automatically remove itself if loaded onto a live / real-money account.

## 1. Installation

- 1 Open your MetaTrader 4 (MT4) platform.
- 2 Go to **File > Open Data Folder**.
- 3 Navigate to **MQL4 > Experts**.
- 4 Paste the **Sigma\_Reversion\_Pro\_v1.7\_DEMO.ex4** file here.
- 5 Close the folder and restart MT4 (or right-click **Expert Advisors** in the Navigator and choose Refresh).
- 6 The EA will now appear in your Navigator list.

## 2. Chart Setup

- **Timeframe:** M5 (5-minute chart) is mandatory.
- **Chart mode:** candlesticks recommended.
- **Enable trading:** ensure the AutoTrading button at the top of MT4 is green.
- In the EA **Common** tab, ensure **Allow Live Trading** is checked.

## 3. Recommended Pairs (the “Safe Trinity”)

For the most stable mean-reversion performance, we recommend:

- 1 **AUDNZD** (primary pair)
  - 2 **EURGBP**
  - 3 **EURCHF**
- Also compatible with range-bound indices such as ASX 200 or FTSE 100.
  - Avoid strongly trending markets (e.g. Gold, Nasdaq) without adjusting settings.

## 4. Key Settings Explained

### Entry logic

#### UseAdaptiveZ (default: true)

- **True** — smart mode. Automatically raises entry requirements during high volatility (news / crashes) to prevent early entries.
- **False** — fixed mode. Enters strictly at 3.0 sigma regardless of market speed (higher risk).

**ReentryDelta (default: 0.5 to 1.0)**

The “hook” size. Price must reverse by this amount (in sigma units) before the EA takes a trade — this prevents catching a falling knife.

**Exit logic****ExitZLevel (default: 0.0)**

- The target. 0.0 means the mean (average).
- Setting to  $-0.5$  exits earlier (safer).
- Setting to 0.5 holds longer (greedier).

**Risk management****RiskPercent**

Percentage of account balance to risk per trade (e.g. 1.0 = 1%). Lot size is calculated automatically from the stop loss.

**UseADXFilter (default: true)**

“Steamroller protection.” Blocks trades if the trend is too strong ( $ADX > 45$ ).

**UseRolloverGuard (default: true)**

Safety feature. Widens stops during the volatile bank rollover hour (23:55 – 00:05) to prevent spread-manipulation losses.

## 5. Troubleshooting

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- **EA removes itself immediately:** you are likely on a live account — switch to a demo account.
- **No trades taking place:** this is a patient strategy. It only trades when price deviates significantly (3.0 sigma) from the average, and may sit idle for hours or days during quiet markets.

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