



Range Breakout Fusion

User Manual

Multi-Symbol Opening Range Breakout EA
for XAUUSD, USDJPY and BTCUSD

Version 1.0 — May 2026
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1. Introduction

Welcome to Range Breakout Fusion, a multi-symbol Expert Advisor for MetaTrader 5 that implements the classic Opening Range Breakout (ORB) strategy across three uncorrelated assets: XAUUSD (Gold), USDJPY and BTCUSD.

This manual covers everything you need to install, configure and use the EA effectively. Read it once before going live — most questions are answered here.

Important: This EA does NOT use martingale, grid, averaging, hedging tricks, or any "recovery" mode. Every trade has a hard stop loss. If you were expecting a magic system that never loses, this is not the right product.

2. Installation

After purchasing on the MQL5 Marketplace, the EA appears automatically in your MetaTrader 5 Navigator under Expert Advisors / Market.

Setup steps:

- Step 1. Open MetaTrader 5
- Step 2. In the Navigator panel, expand Expert Advisors / Market
- Step 3. Find Range Breakout Fusion
- Step 4. Drag it onto a chart of XAUUSD, USDJPY or BTCUSD
- Step 5. In the dialog that opens, allow Algo Trading and click OK
- Step 6. Click the AutoTrading button in the top toolbar to enable trading

You only need ONE chart. The EA trades all three symbols independently from a single chart, so there is no need to attach it to multiple charts.

3. The Strategy

Opening Range Breakout (ORB) is one of the oldest documented trading strategies. The idea is simple: during the first hours of a market session, price establishes a range. When price breaks out of that range, momentum tends to continue in that direction.

How the EA implements it:

Step	What happens
1. Range building	During a defined session window (e.g. XAU 03:05–06:05 server time), the EA observes price and computes the high and low.
2. Pending orders	When the range closes, two stop orders are placed: a BuyStop above the range high and a SellStop below the range low.
3. OCO logic	Whichever order triggers first cancels the other automatically. Only one trade per symbol per day.
4. Hard stop loss	Each trade has a fixed stop loss from the moment of execution. No moving stops, no breakeven hunts.
5. Session close	Any open position closes at a defined hour (typically 19:00–20:00 server time), no overnight risk.

Why three symbols:

Trading multiple uncorrelated assets reduces variance. XAU, JPY and BTC respond to different market drivers (commodities, central bank policy, crypto sentiment), so winning days on one symbol can offset losing days on another.

4. Configuration

The EA exposes a clean set of inputs. Strategy-critical parameters (range hours, stop loss type, close hour) are internal and validated through extensive testing — you don't need to touch them.

General inputs:

MaxSlippage — Maximum slippage tolerance in points. Default 50.

MagicBase — Base magic number. Each symbol gets a unique offset (XAU=base, JPY=base+1, BTC=base+2).

VerboseLog — Enable detailed logging. Keep false in production, true if troubleshooting.

Per-symbol inputs (for XAU, JPY, BTC):

XAU_Enabled / JPY_Enabled / BTC_Enabled — Trade this symbol on/off.

XAU_Symbol / JPY_Symbol / BTC_Symbol — Exact broker symbol name. Defaults are XAUUSD, USDJPY, BTCUSD.

XAU_RiskPct / JPY_RiskPct / BTC_RiskPct — Risk percentage per trade. Default 0.5%.

BTCUSD is disabled by default. Set `BTC_Enabled = true` if your broker supports cryptocurrency. Some brokers use names like BTCUSDm, BTC/USD, or Bitcoin — adjust `BTC_Symbol` accordingly.

Trading days filter:

Toggle individual weekdays on/off. Useful for prop firm accounts that disallow Friday trading, or for skipping holidays.

Stealth mode (prop firm friendly):

Optional small randomization of lot size, close timing and magic numbers, so multiple accounts running the same EA don't generate identical trades. Useful for prop firm accounts that detect EA usage by trade pattern matching.

5. Recommendations

Broker:

Use a broker with low spreads, fast execution and ECN-style pricing. The strategy enters at breakout points where slippage matters more than usual. Avoid market makers with widening spreads.

Account size:

Minimum recommended deposit is 2,000–3,000 EUR / USD when running all three symbols simultaneously. For 1,000 EUR accounts, consider running only 1–2 symbols (disable BTC and/or one of the others).

VPS:

A VPS is strongly recommended for 24/7 reliability. The EA must be online during the session windows (early morning to evening server time) to place and manage orders correctly. MQL5 has its own VPS service.

Risk per trade:

Default is 0.5% per trade per symbol. Conservative users may reduce to 0.25%. Aggressive risk above 1% is not recommended given that up to 3 symbols may trigger on the same day (potentially 3% account exposure).

Server time matters:

All session hours are based on the broker's server time. If you switch brokers or your broker changes server timezone (DST adjustments), backtest results may differ from live trading.

6. Dashboard Panel

When you attach the EA, an on-chart dashboard appears showing real-time information for all three symbols. The panel has three columns (XAU, JPY, BTC) and shows:

- Status: enabled/disabled, range building, pending placed, in trade, etc.
- Range levels: current high and low of the range
- Today's trade: entry price, SL, current P&L if in trade
- 30-day stats: number of trades, win rate, profit factor
- Account info: balance, equity, margin level

The panel can be moved (drag the title bar) and minimized. Click the X icon to hide it temporarily.

7. Troubleshooting

Q: EA shows 'Symbol not available'

A: Your broker uses a different symbol name. Check Market Watch (Ctrl+M) for the exact name (e.g. XAUUSDm, USDJPY.r, BTC/USD) and update the corresponding Symbol input.

Q: EA never opens trades

A: Check: (1) AutoTrading is enabled, (2) the symbol is in Market Watch, (3) account has enough margin, (4) it's a trading day (check the day filter), (5) the range hasn't closed yet for today.

Q: 'Not enough money' error

A: Your account balance is too low for the position size. Either increase deposit or reduce RiskPct. Minimum recommended is 2,000–3,000 for all three symbols.

Q: Different results vs backtest

A: Real broker conditions (spread, slippage, execution speed) differ from backtest assumptions. Live results within $\pm 30\%$ of backtest are normal. Always demo test first.

Q: Trades closing earlier than expected

A: The EA closes positions at the configured close hour (server time). If you see early closes, verify your broker's server timezone matches what you expect.

8. Support and Disclaimers

Getting help:

For questions, issues or configuration help, please use the comments section of the product page on the MQL5 Marketplace. When reporting an issue, include:

- Broker name and account type (demo or live)
- Exact symbol names visible in your Market Watch
- Screenshot of the Experts tab logs
- EA version (visible in the dashboard panel)

Disclaimers:

Past performance does not guarantee future results.

Trading involves substantial risk of loss. Only trade with capital you can afford to lose. Backtest results are based on historical data and may not match your live execution conditions. Slippage, spread spikes and execution delays can significantly impact real-world performance. Cryptocurrency volatility can produce results that differ significantly from backtest. No strategy works forever in all market conditions. Always demo test for at least 2–3 weeks before going live.

Thank you for choosing Range Breakout Fusion.
Wishing you successful trading!