

FTMO EA — Request for Proposal (RFP) v1.0

Owner: Ben C · Platform: MetaTrader 5 (MT5) · Timezone: Europe/London · Date: 2025-11-18

Overview

Seeking an experienced MQL5 developer to build/finish a production-grade FTMO trading EA for MT5 based on a breakout strategy with strict risk controls and robust telemetry.

Key Scope Highlights

- Entries: 1H + 15M confirm; triangles/flags/channels; confirmed close; H4 EMA200 bias; breakout quality threshold or retest.
- Risk & Mgmt: ATR SL (3.0x), RiskPercent sizing (+ manual override), Auto BE @1R, ProfitLock @ \$1,000.
- Global Controls: MaxConcurrentAtRisk=2; MaxOpenRiskPct; MaxPositionsPerSymbol=1; correlation guard; sessions + cooldown; spread/volume gates; red news pause.
- Stability/UX: no duplicate orders on reload; dashboard; CSV logs with reason codes.

Assets

Core: XAUUSD, XAGUSD, US100, US500, UK100, GBPUSD, USDJPY, USDCHF, BTCUSD, ETHUSD. (EURUSD/US30 optional.)

Acceptance Tests

- Global at-risk cap works (pending count too); BE frees slot.
- RiskPercent 0.25%→1.00% ≈ 4x lots on XAUUSD/US100/EURUSD.
- No array errors (6 symbols, 1M–1D, 2 weeks).
- Reload → 0 duplicate orders.
- ProfitLock ≥\$1k locks ≥\$100 or step%; never widens SL.
- Open-risk cap never exceeded; RISK_CAP logged.
- US index correlation guard enforced.
- Daily giveback ≥30% pauses until next session.
- Sessions/cooldown & spread/volume/news blocks logged.

Inputs (defaults)

MagicNumber=20251001; RiskPercent=0.50; UseManualRisk=false; ManualRiskPercent=0.25; MaxConcurrentAtRisk=2; MaxPositionsPerSymbol=1; MaxOpenRiskPct=1.50; AutoBE=true; BE_Buffer_Points=0; ProfitLockTriggerUSD=1000; ProfitLockMinLockUSD=100; UseProfitLockSteps=true; ProfitLockStepPct=0.20; UseCorrelationGuard=true; Session1StartHHMM=0700; Session1EndHHMM=1200; Session2StartHHMM=1330; Session2EndHHMM=1700; CooldownMinutes=60; ATRPeriod=14; ATRMultSL=3.0; BreakCloseATRMult=0.25; UseRetestConfirmation=true; UseH4BiasEMA=true; H4BiasEMALength=200; SpreadMaxPoints=0; VolumeFloorMode=Percentile; VolumeFloorLookback=20; VolumeFloorPct=40; PauseHighImpactNews=true; NewsBufferMinutes=15;