

QCL MT5 EA

Professional Trading Intelligence — User Manual

1 CORE OPERATIONAL LOGIC

Our Expert Advisor (EA) is a unique, fully standalone automated system driven purely by advanced mathematics. It bridges high-level analysis with precise execution, operating independently to analyze market structure and execute trades based on its internal quantitative algorithms.

Important Trading Advisory for All QCL MT5 EA Users

The QCL MT5 EA is built on precise quantitative algorithms designed to identify high-conviction momentum setups. While the software is fully automated, global markets — especially Gold (XAUUSD) — can experience unpredictable external shocks. Extreme volatility and unnatural price spikes can temporarily disrupt standard mathematical calculations. To protect your equity and achieve optimal, long-term performance, we strongly advise following these Active Risk Management Guidelines:

1. High-Impact Economic News

Action: Pause Algo Trading 30 minutes before and after high-impact red-folder news events (such as NFP, CPI, or FOMC interest rate decisions).

Why: Major news events generate artificial liquidity slippage and rapid spread expansion that can bypass standard technical mechanics.

2. Unpredictable Geopolitical Events & Market Crashes

Action: If sudden market spikes or severe market panics occur due to emergency breaking news (e.g., sudden war developments, geopolitical crises, or flash crashes), pause the EA for 24 hours.

Why: Allowing the market a full 24-hour cooling-off period lets institutional volatility stabilize and restores normal mathematical distribution across price action.

3. Handling Ranging / Consolidation Markets

Action: If the EA experiences 1 or 2 consecutive losing trades during a session, pause the EA for 24 to 48 hours.

Why: Consecutive stop-losses on momentum systems typically indicate that the market has entered a tight, low-volume range or chop phase. Pausing the system for 1 to 2 days allows the chart time to break out of the range and establish a clear, directionally valid trend.

SUMMARY: THE QUANTITATIVE MINDSET

Automated trading performs best when paired with disciplined human oversight. By managing market environment risks (avoiding extreme news spikes and prolonged ranging phases), you ensure the EA trades strictly during high-probability market conditions.

2 OPTIMIZATION, SETFILE MANAGEMENT & TRADING LOGIC

- **Strict Asset & Timeframe Optimization:** The EA is engineered and optimized exclusively for Gold (XAUUSD) on the 15-Minute (M15) timeframe. We strictly advise running the software only on M15 XAUUSD charts.
- **Mandatory Setfile Loading:** Always load the exact preset file (`.set`) matching your specific account balance. Running an incorrect setfile increases trading risk and directly degrades performance.
- **Execution & Signal Analysis:** Upon attachment, the EA will not take a trade immediately. It actively analyzes live market structure and will only trigger an order when an authentic, mathematically valid setup forms.
- **Institutional Trade Frequency:** The EA executes only 1 trade per day, and will execute zero trades on days where setups fail to meet strict validation parameters. High-quality, institutional-grade algorithms trade strictly when there is a high-probability edge.
- **Patience as a Core Strategy:** Patience is the single most critical factor for long-term trading success. We believe in complete transparency and encourage clients to verify our live trading performance through our published Myfxbook records.

3 POSITION SIZING UPDATED

The EA calculates lot size automatically on every trade — no manual lot size needed. In Trading Settings, choose a **Risk Per Trade**: 1%, 5%, or 10% of your current account balance. The EA works out the correct lot size from your balance and the trade's stop distance.

If your balance is very small, the EA will still trade at the broker's minimum lot size (0.01), and the dashboard will show a low-balance notice below the threshold set in **Minimum Balance Warning** (default \$300).

IMPORTANT — RISK SETTING & PROPFIRM COMPATIBILITY

Our official setfiles are built and tested exclusively around a **1% Risk Per Trade** setting. Selecting 5% or 10% increases your position size proportionally, which also increases drawdown exposure — especially on smaller account balances, where the broker's minimum lot rounding can push your effective risk well above the percentage you selected.

The Prop Firm Protection limits (Daily Profit Target, Daily Max Loss Limit, Overall Max Loss Limit) are dollar values calibrated for 1% Risk Per Trade. If you switch to 5% or 10% risk without adjusting them, normal market movement can trip these dollar limits far earlier than intended — effectively stopping the EA out even though no real Stop Loss was hit (a "false SL Hit"). **If you select 5% or 10% Risk Per Trade, please either disable Propfirm Mode, or scale the Daily Profit Target, Daily Max Loss Limit, and Overall Max Loss Limit values up in proportion to your selected risk (roughly 5x or 10x the 1% values).** If you are trading a funded or evaluation account, always keep Risk Per Trade at 1% with Propfirm Mode enabled and left at its setfile values.

4 TRADE MANAGEMENT: TAKE PROFIT, TRAIL & STOP LOSS UPDATED

Take Profit — Two Stages

Every trade has two targets:

TP1

When price reaches this level, half the position closes automatically to lock in profit, and the remaining half switches into trail-protection mode.

TP2

The final target for the remaining half, if the trend keeps running.

If your lot size is too small to split (e.g. the minimum 0.01), the EA skips the partial close and simply applies the same trail protection to the full position once TP1 is reached.

Trail Protection (After TP1)

Once TP1 is hit, the remaining position is protected by a trail stop set at a percentage of the distance between your entry and TP1 (**Runner Trail %**, default 75%). As price continues moving in your favor, the trail stop moves with it — but it only ever tightens, never loosens, so your locked-in profit is never given back.

Stop Loss

Stop loss distance is set as a multiple of market volatility (ATR) rather than a fixed dollar amount, so it automatically adapts to current conditions. By default, **SL Multiplier** is set to 0, meaning no fixed stop-loss is placed — the trade stays open and is only closed when the EA's next opposite signal fires. If you prefer a fixed stop-loss, you can set this value above 0 in the ATR-Based TP/SL/Trail settings.

The EA includes an optional signal-quality filter that scores each potential trade from 0–100 based on trend strength, volatility, and price-action quality, only taking trades that score above a threshold. This is disabled by default. If enabled, it can be left on **Auto** (adjusts automatically per timeframe) or set to a manual score threshold.

CAUTION — FEATURE STILL IN TESTING

This feature is currently in testing, and it is **not enabled in any of our provided setfiles** — [Enable Signal Quality Scoring Engine](#) defaults to `false`. We advise against using it for now, as our setfiles are built and validated with this filter switched off. If you would still like to try it, keep the Scoring Threshold between **50 and 60**; going higher than this is not recommended, as it can filter out valid setups the strategy is designed to take. We strictly advise staying with the provided setfiles as delivered for the most reliable performance.

Below is the complete list of configurable inputs, grouped exactly as they appear in the EA's Inputs tab.

Strict Timeframe Lock

INPUT PARAMETER	DEFAULT	DESCRIPTION
Strictly Enforce M15	false	Removes the EA from the chart automatically if the timeframe is changed away from M15.

Trading Settings

INPUT PARAMETER	DEFAULT	DESCRIPTION
Risk Per Trade (of Balance)	1%	Sets position risk as 1%, 5%, or 10% of account balance; EA auto-calculates lot size. If you select 5% or 10%, please disable Propfirm Mode or scale the Prop Firm dollar limits to match your selected risk — otherwise you may trigger a false SL Hit (see Section 3).
Minimum Balance Warning Threshold (\$)	300.0	Balance threshold below which the dashboard shows a low-balance notice.
Magic Number	777777	Unique ID used to identify the EA's trades. Keep this unchanged unless running multiple instances on the same account.
Enable Signal Quality Scoring Engine	false	Turns the optional signal-quality filter on or off. Still in testing — see the caution in Section 5.
Scoring Threshold 0–100	0 (Auto per Timeframe)	Minimum score required to take a trade if the scoring engine is enabled. If used, keep this between 50–60; a manual threshold above 60 is not recommended.

ATR-Based TP / SL / Trail

INPUT PARAMETER	DEFAULT	DESCRIPTION
TP1	1.5	Entry + (this × ATR) — first profit target.
TP2	3.0	Entry + (this × ATR) — final profit target for the runner portion.
SL	0.0	Entry – (this × ATR). A value of 0 uses the old-style Stop Loss, which holds the position until the next opposite signal fires instead of a fixed distance.
Runner Trail	0.75	Trail stop distance after TP1, as a % of the Entry→TP1 distance.

Time & Weekend Filters

INPUT PARAMETER	DEFAULT	DESCRIPTION
Auto Close Before Weekend	true	Automatically closes open positions ahead of the weekend to avoid gap risk.
Minutes Before Friday Close	30	How many minutes before market close on Friday the auto-close is triggered.
Skip Trades on Monday Open	true	Prevents new trades from opening right at the Monday session open.
Minutes After Monday Open	30	How long after Monday's open new trades remain paused.

Prop Firm Protection

INPUT PARAMETER	DEFAULT	DESCRIPTION
Enable Prop Firm Limits	true	Turns the Prop Firm Protection module on or off. These dollar limits are calibrated for 1% Risk Per Trade.
Daily Profit Target (\$)	1000.0	The EA stops opening new trades for the day once this profit target is reached.

Daily Max Loss Limit (\$)	100	The EA stops opening new trades for the day once this loss limit is reached.
Overall Max Loss Limit (\$)	2000.0	The EA stops trading entirely once this total account loss limit is reached.

High Impact News Filter

INPUT PARAMETER	DEFAULT	DESCRIPTION
Enable MT5 Native News Filter	false	Pauses the EA around high-impact economic news events using MT5's native news feed. Not enabled in the provided setfiles, but we do recommend switching this to true — the choice is entirely yours.
Minutes to Pause BEFORE High-Impact News	30	How many minutes before a high-impact news event the EA pauses trading.
Minutes to Pause AFTER High-Impact News	30	How many minutes after a high-impact news event the EA resumes trading.

7 LIVE PERFORMANCE DASHBOARD UPDATED

The live dashboard now displays, for the active trade: Direction, Entry Price, Stop Loss, TP1, TP2, and Current Profit/Loss — along with a real-time trade history summary, today's and total account performance in \$ and %, and your current risk setting and calculated lot size.

8 EA INSTRUCTIONS & EXECUTION DETAILS

- **Flexible Customization:** Enable or disable features such as Weekend Close, Monday Open, and News Filter according to your preference.
- **Strategy Tester:** The EA is designed for live trading and will not operate correctly inside the MT5 Strategy Tester due to advanced visual and mathematical dependencies.
- **VPS Setup:** Recommended minimum 2 CPU Cores and 4GB RAM. Avoid running unnecessary software on the VPS.
- **Troubleshooting:** Check safety filters first, then restart MT5/VPS and reattach the EA if required.

9 THE DISCIPLINE OF PATIENCE

Allow the EA to operate continuously for 3 to 4 weeks on a VPS using the recommended settings. Avoid changing parameters or interfering with trade execution unnecessarily.

10 REFUND DISCLAIMER

All digital sales are final. Once the product and license have been delivered, refunds cannot be issued. By purchasing, you acknowledge that you have reviewed our verified trading performance and product information before completing your order.

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