SABAHI.FX • RISKBOARD

Complete User Guide

Risk and Trade Management

MetaTrader 4 and 5 | Development version 0.21 Dark reading edition. Content is aligned to the v0.21 development source. Risk-management utility. Not a signal service or profit guarantee.

1. Product scope and release status

What it does

RiskBoard is an on-chart utility for planning trades, estimating size, sending orders through risk checks, and managing positions it owns. The trader remains responsible for entry and exit decisions; the EA does not provide guaranteed-profit signals.

Features in development source 0.21

Percent, cash, and fixed-lot sizing; Market, Limit, and Stop entries; timed preview/confirmation; position tools, break-even, partial exits, six trailing methods, scheduled-news filtering, advisory AI, six interface languages, and light/dark themes are present in source.

Test status

This is a development-source guide. A longer manual does not certify compilation or readiness for sale. Compile both MT4 and MT5 builds in their native MetaEditors and test on the intended broker demo before live use.

Safe starting point

Start on a demo account and one chart. Back up settings and reports before migration; state may be specific to a terminal, account, chart, or symbol.

2. Install and compile in MetaTrader

Choose the platform file

Use the MQ4 source only with MT4 and the MQ5 source only with MT5. The AI Bridge is a separate, optional helper; do not install it unless you are configuring AI.

Copy the source

In the desktop terminal, open File > Open Data Folder. Put the main source under MQL4/Experts or MQL5/Experts, then open it in that platform’s MetaEditor.

Compile

Press F7 in MetaEditor. The platform should create its EX4 or EX5 output. Keep the complete Errors tab. Review warnings as well; compiling one platform does not validate the other.

Attach to a chart

Refresh Navigator and attach the EA to the intended chart. Do not enable automated trading for a first setup; trading is disabled by default.

3. Safe startup and panel overview

Tabs and controls

TRADE plans an order; POSITIONS lists owned positions; Tools and AI hold supporting controls. Language and theme change the interface only and should not alter order logic.

ARM and trading permission

ARM alone does not authorize an order. EnableTrading, terminal permissions, and account settings must also permit trading. ARM starts off after initialization and may turn off after configuration changes.

Live account setting

AllowLiveAccount is off by default. Change it only after demo testing, understanding broker risks, and reviewing every input. Keep the default for initial tests.

First checks

Confirm symbol, timeframe, equity, spread, guard status, and Entry/SL/TP lines. The panel helps calculate and manage orders; it does not guarantee market analysis or execution.

4. Position size and risk budget

Three sizing modes

Risk % calculates a budget from selected Equity, Balance, or Free Margin. Risk Cash uses an amount in account currency. Fixed Lots uses a constant size, which still must pass the configured risk limits.

Estimated loss

Loss to SL is calculated from the symbol’s specifications and price distance. Commission and an execution/slippage reserve may also be included. Enter zero commission only when the account is genuinely commission-free.

Volume steps

Executable size depends on broker minimum, maximum, and volume step. If calculated size is below minimum, it must not be rounded up in a way that breaches the risk budget. Replan or skip the trade.

Educational example

With 10,000 account-currency equity and 0.5% risk, the nominal budget is 50 units. Final size also depends on tick size/value, SL distance, commission, and broker volume step. Review the instrument-specific Preview.

5. Build an order and set prices

Side and order type

Choose BUY or SELL. Market buys use Ask and sells use Bid. Limit entries seek a price better than the current market; Stop entries are triggered beyond a level. Broker distance rules still apply.

Price lines

Entry applies to pending orders; SL limits loss; TP is the target. For a BUY, SL is below entry and TP above; reverse this for a SELL. Re-run Preview after changing any line.

Reward-to-risk

Target R:R relates target distance to entry-to-SL distance. It says nothing by itself about win probability or net profit; costs, swaps, slippage, and gaps can change outcomes.

Pending expiry

Expiry uses broker-server time. Some brokers reject a requested expiry policy; verify the order and expiration in the terminal after submission.

6. Preview, confirmation, and broker responses

Preview

Read size, entry, SL, target, and estimated risk. Check spread, free margin, live price, all levels, and guard warnings before proceeding.

Two-step confirmation

EXECUTE is valid only briefly after Preview. Changed lines, inputs, size, price, or expiry should invalidate it. If the panel reports an expired or changed plan, create a fresh Preview.

Ambiguous result

A timeout or lost connection does not prove an order was rejected. Do not blindly resend. Inspect broker Orders, Positions, and History; reconcile the outcome before acknowledging an order review.

Execution errors

Price, stops distance, margin, volume, Stop/Freeze Level, or fill policy can cause rejection. Save the Experts/Journal message, symbol, and timestamp. Do not assume a complete fill until the actual position and SL are visible.

7. Positions and ownership

Manage only owned trades

Position and close tools must respect EA ownership/magic. Do not use Close All on a shared chart without checking for manual or other-EA trades.

MT4 and MT5 differ

MT4 mainly works with order/ticket records. MT5 can use Hedging or Netting, where activity in one symbol may merge into a net position. Test ownership and behavior on the actual account mode.

Partial or full close

After each request, verify remaining volume, ticket/identity, SL, and History. Partial fills or changed identifiers can require reconciliation.

Panel limits

The panel may not immediately reflect manual changes or broker events. After disconnection, partial fills, restart, or account changes, use terminal records as the source of truth.

8. Break-even and partial exits

Break-even

When AutoBreakEven is enabled, the EA attempts to move SL to entry plus a buffer after the configured R threshold. Price break-even may not equal net break-even after commission or swap.

Partial exits

AutoPartial defines three thresholds and percentages. Their total must not exceed 100%. Remaining volume must fit the broker’s minimum and step; verify actual closed and remaining size.

After restart

After a partial close or terminal restart, check that each stage runs only once and stored progress matches live volume and History.

Limitations

These tools do not replace SL protection. They may not run while the terminal is stopped, disconnected, or the market is closed. Check whether broker-side protective stops are in place.

9. Trailing stop methods

Available methods

The 0.21 inputs include Fixed, ATR, Candle, MA, SAR, and Fractal trailing. Method parameters are configurable; AutoTrailing must also be enabled.

Start and step

TrailStartR controls when trailing begins; TrailStepPoints limits update increments. Broker Stop/Freeze Level restrictions can reject a modification.

Direction

Trailing should tighten the stop for a BUY upward and for a SELL downward; it must not increase defined loss by moving the stop farther away. Verify the final stop on chart and in the terminal.

Testing

Test each method separately on suitable historical data and demo. Management timeframe can differ from chart timeframe; do not copy settings across symbols or brokers without testing.

10. Risk caps and locks

Trade and account limits

MaxTradeRiskPercent limits a trade; MaxAccountRiskPercent caps aggregate EA risk. MaxOwnedTrades includes owned positions and pending orders. Test limits across multiple symbols/charts.

Daily and total loss

DailyLossLimitPercent and TotalLossLimitPercent lock new entries after thresholds are reached. Reference equity and reset time use the broker server calendar, not necessarily local midnight.

Baselines and persistence

Account and daily references may be captured and persisted. After migration, deleting state files/Global Variables, changing a reference input, or switching accounts, reconcile saved baselines. Do not treat corrupt state as zero.

Positions without SL

Missing or invalid SL, low margin, and uncertain results need manual review. A lock can stop new entries; it does not remove risk from an existing position.

11. Economic calendar and News Shield

Data scope

The module is for scheduled platform-calendar events or manual CSV, not a live breaking-news headline feed. Inputs cover currency, importance, before/after window, and refresh interval.

Optional and limited

BlockNewEntriesAroundNews is off by default. When enabled, it affects new entries sent by this RiskBoard instance only. Manual trading, other EAs, and open positions are not blocked.

Unavailable data

If News Block and BlockEntriesIfNewsUnavailable are enabled, an unavailable or stale feed blocks new entries from this instance. Event times use broker-server time. Check feed and next-event status before relying on it.

CSV and tester

CSV must use the required server time and delimiter format. Platform calendar availability can differ in Strategy Tester or old history; do not assume tester results reproduce live feed behavior.

12. Advisory AI analysis

Manual, explanatory request

The user writes a question and manually requests analysis. The request includes symbol, timeframe, interface language, spread, and up to 20 closed candles. It excludes account ID, balance, positions, and orders.

External service required

The EA does not host or call an AI model by itself. A platform-matched AI Bridge and a secure, licensed HTTPS proxy with rate and cost limits are required. Never put a provider API key in EA inputs or customer files.

Privacy and security

Chart context and question reach the proxy. Define retention and user authorization first. Customer tokens should be revocable; the endpoint must use HTTPS.

Boundaries

AI is not connected to order placement or management. It can be wrong or claim data it never received. Treat output as educational commentary, not financial advice or an execution instruction.

13. Languages, themes, and saved settings

Six interface languages

The source includes Persian, English, Russian, Arabic, Spanish, and Simplified Chinese. Language changes UI text only. Broker messages, symbols, and some terminal errors may remain in the platform language.

Light and dark

The theme button switches between a cool blue-grey light palette with teal accents and the dark palette. Theme choice is saved per chart; check text, selected controls, and warnings after switching.

Persistence and migration

Theme/language and trade state may depend on chart or account. Multiple instances, changing Magic, moving terminals, or restoring backups can produce different state.

Accessibility

On small displays or high DPI, adjust panel scale and check for overlap. Read status text and Journal; do not rely on color alone.

14. Troubleshooting

No order is sent

Check EnableTrading, terminal Algo Trading, ARM, EA permission, account restrictions, spread, volume, margin, price distance, SL, and market hours. Experts and Journal show broker responses.

Outcome is unknown

After timeout, do not press EXECUTE again. Inspect Orders, Positions, and History for the symbol, size, and time; reconcile first.

News or AI unavailable

For news, check module, source, server time, currency filters, and refresh status. For AI, check HTTPS allow-list, customer token, matching-platform Bridge, and identical endpoints.

Panel or reference mismatch

After moving a chart or changing DPI, reload and adjust scale. Back up state before investigating baselines or locks; do not delete persistent files casually.

15. Demo checklist and safety limits

Before testing

Record platform file, clean compile, account mode, account currency, symbol specifications, commission, lot step, Stop/Freeze Level, spread, and server time.

Test cases

BUY/SELL; invalid SL; size below minimum; unusual tick size; unusual lot step; pending orders; partial fills; rejection; disconnection/timeout; daily lock; restart; partial close; two charts; and protection of unrelated trades.

Evidence

Save compile output, inputs, Trade tab, Experts, and Journal. Record expected and actual outcomes, terminal build, and broker. Passing one case is not a full product test.

No readiness claim

This guide does not replace native MetaEditor, Strategy Tester, demo, or broker validation. Slippage, gaps, rejection, currency conversion, and outages can make actual loss exceed an estimate. Do not market the EA as error-free or sale-ready until both platforms pass.