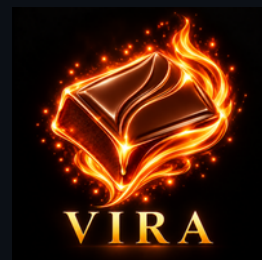


VIRA EA



User Guide

Multi-logic XAUUSD Expert Advisor for MetaTrader 5

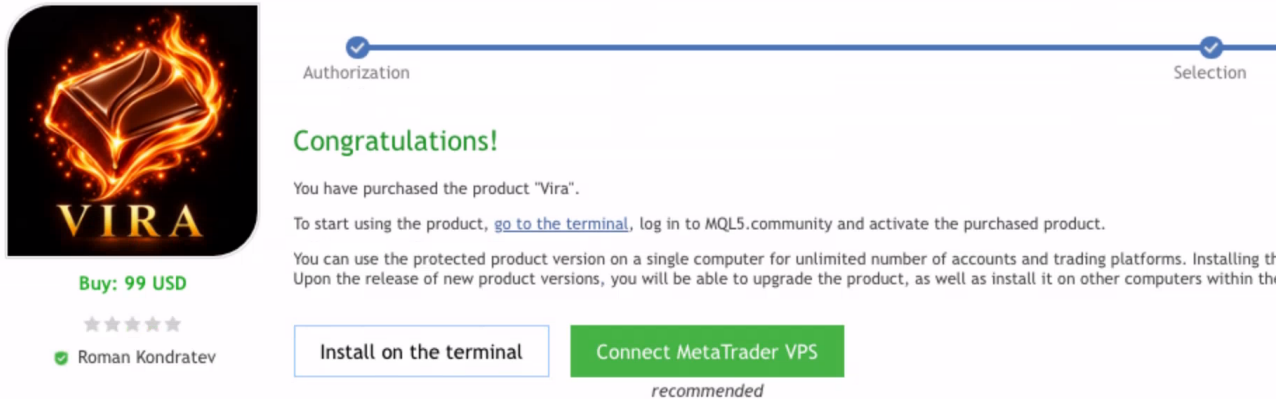


9 independent strategy modules | Fixed lot or DD-based sizing | News filters | Strategy-level performance panel

This guide explains installation, setup, trade modes, risk controls, testing workflow and broker differences. Historical and live performance can differ. No result is guaranteed.

After purchase: install and activate VIRA

After the purchase is completed on MQL5, install the protected Market version from inside MetaTrader 5. Use the same MQL5.community account that was used for the purchase.



Example MQL5 purchase confirmation screen. The website and terminal interface may change over time.

Installation steps

- Open MetaTrader 5.
- Open Tools -> Options -> Community and sign in to the MQL5.community account used for the purchase.
- Open Navigator -> Market -> My Purchases, locate VIRA and click Install. Installation on a new hardware/operating-system configuration can use one Market activation.
- After installation, find the EA under Navigator -> Expert Advisors -> Market and attach it to the Gold chart provided by your broker.
- Use XAUUSD / H1 as the standard starting setup and enable Algo Trading in MetaTrader 5 and in the EA Common settings.
- Start with Config1, choose a Trade Mode and Risk Mode, then test the setup before live use.

MetaTrader VPS is optional

The MQL5 purchase page may offer MetaTrader VPS. A VPS can be useful for continuous operation, but it is not required for learning the EA or running local Strategy Tester tests. If you migrate VIRA to a VPS, verify the symbol, settings, Algo Trading status and trading permissions after migration.

Activation note

MQL5 Market products are protected and tied to activations. Reinstalling the operating system or moving to another hardware configuration may require another activation. The available activation count is controlled by MQL5 Market.

1. Quick start

VIRA EA is a rule-based Expert Advisor for Gold. It combines nine independent trading modules inside one system. The modules use different entry conditions, timing and trade-management rules, while positions are managed with predefined protective logic including Stop Loss and Take Profit.

VIRA does not use Martingale, Grid, Averaging, Arbitrage, Machine Learning or Neural Networks.

For a first test, keep the setup simple:

Platform	MetaTrader 5
Symbol	XAUUSD or the broker's Gold symbol, including suffixes such as XAUUSD.p
Timeframe	H1
Configuration	Config1
Buy / Sell	Both enabled
News protection	NFP and high-impact USD news filters enabled

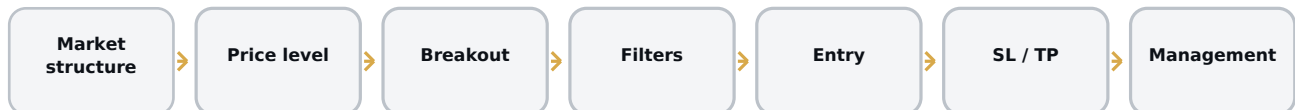
Three decisions to start

A new user mainly needs to choose: Config, Trade Mode and Risk Mode. The internal strategy parameters can remain unchanged while you learn how the system behaves.

A practical evaluation path is: run the MQL5 Market Demo in Strategy Tester -> enable Visual Mode -> review the 9-strategy panel -> compare risk settings -> review the public MQL5 Signal. This gives more information than relying on a single backtest screenshot.

2. How the algorithm works

VIRA is primarily built around price-level breakout logic. In simplified form, the EA identifies relevant market structure and price levels, waits for breakout conditions, applies strategy-specific filters, and then manages the resulting trade according to that module's rules.



The EA does not simply buy every upward breakout or sell every downward breakout. Each module has its own lookback, structure parameters, timing and false-breakout filters. As a result, two modules can observe the same Gold market and still react differently.

The nine modules also use their own trade-management settings. This creates diversification of trading logic inside one instrument rather than simply applying one identical algorithm to many symbols.

Why nine modules?

A single logic can go through periods when its market assumptions are less effective. VIRA is designed to let several independent modules contribute to the portfolio. For that reason, evaluate the system over a meaningful sample of trades rather than judging one or two positions.



Another Visual Tester example. Strategy callouts identify which internal module produced a trade. Historical test display - not a live result.

3. Configurations and Trade Modes

VIRA separates strategy configuration from trading activity. These are different controls.

Config1

Config1 is the base configuration. It is the primary setup used for the main IC Markets and Tickmill testing. New users should normally start here.

Config2 - bonus configuration

Config2 is an additional bonus configuration with alternative parameter sets inspired by familiar GR-style strategy ideas that influenced my earlier research and were used as a starting base during development. It is included for experimentation, broker comparison and deeper testing.

Config2 is not automatically better than Config1. A useful workflow is: start with Config1 -> test on your broker -> understand the behavior -> then compare Config2 if you want an alternative setup.

Trade Mode

Mode	Purpose
Extreme Conservative	Lowest activity profile.
Conservative	Lower activity and lower portfolio exposure.
Moderate	Balanced activity profile.
Intense	Higher activity and more aggressive portfolio use.
Extreme	Highest standard activity profile. High risk.
Auto	Uses the EA's internal balance/risk logic to select the operating profile.
Manual Strategy Selection	You choose which of the nine modules are enabled.

Important

Trade Mode is not lot size. A Conservative Trade Mode can still be risky if the fixed lot is too large for the account. Trade Mode controls portfolio activity; Risk Mode controls position sizing.

4. Risk settings

The main selector is VIRA_Risk. It is a dropdown that chooses the lot-calculation method; it is not a numeric percentage field.

Fixed Lot

Choose VIRA_Risk = Fixed Lot, then set VIRA_InpStartLots to the desired lot size.

```
VIRA_Risk = Fixed Lot  
VIRA_InpStartLots = 0.01
```

This is the simplest sizing mode. The same fixed lot can represent very different account risk on different balances, so the user remains responsible for choosing an appropriate lot.

Max Total DD

Choose VIRA_Risk = Max Total DD and set VIRA_MaxAllowedDD. In this mode VIRA uses its portfolio drawdown model to calculate position sizing across the system.

```
VIRA_Risk = Max Total DD  
VIRA_MaxAllowedDD = 20
```

Not a hard stop

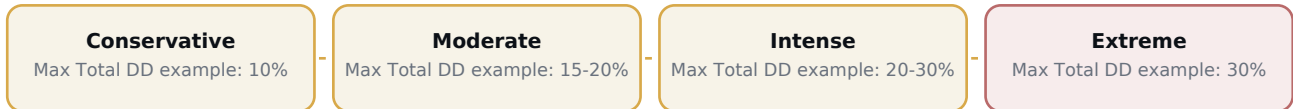
MaxAllowedDD is a risk-sizing target used by the EA model. It is not a guarantee that the real account drawdown can never exceed that number. Spread, slippage, gaps, commissions, execution and future market behavior can produce different results.

Max Allowed DD per Strategy

This mode sizes risk at the individual strategy level rather than only at the combined portfolio level. It is useful when you want each internal module to be treated separately by the risk engine. For a first setup, Max Total DD is usually easier to understand.

5. Example risk profiles

The following are starting examples for testing, not guaranteed drawdown limits or performance targets. Always test the chosen profile on your own broker data before live use.



Profile	Trade Mode	Risk Mode	Example setting
Conservative	Conservative	Max Total DD	10%
Moderate	Moderate	Max Total DD	15-20%
Higher risk	Intense	Max Total DD	20-30%
Extreme	Extreme	Max Total DD	30%

A sensible way to increase activity is Conservative -> Moderate -> Intense -> Extreme. There is no need to begin with Extreme simply because one historical test produced higher profit.

Fixed lot can be combined with any Trade Mode. For example, the lot may remain 0.01 while you move from Conservative to Moderate. This illustrates the separation between portfolio activity and position sizing.

If you want less risk

Change one or both of these controls first: Trade Mode down and/or MaxAllowedDD down. Avoid changing many internal strategy parameters at once; doing so makes broker-to-broker and period-to-period comparisons much harder.

6. Main inputs and news protection

☐ VIRA_AllowBuyTrades	true
☐ VIRA_AllowSellTrades	true
☐ VIRA_aConfig	Config1
☐ VIRA_TradeMode	Extreme (high risk!)
☐ VIRA_MagicNumber	8000
☐ VIRA_Comment	VIRA
VIRA NFP Filter	
☐ VIRA_EnableNFP	true
VIRA Propfirm	
☐ VIRA_Randomization	0.0
VIRA LOT	
☐ VIRA_Risk	Max Total DD
☐ VIRA_InpStartLots	0.01
☐ VIRA_MaxAllowedDD	30.0
VIRA Manual Strategy Selection	
☐ VIRA_RunStrat1	false
☐ VIRA_RunStrat2	false
☐ VIRA_RunStrat3	false
☐ VIRA_RunStrat4	false
☐ VIRA_RunStrat5	false
☐ VIRA_RunStrat6	false
☐ VIRA_RunStrat7	false
☐ VIRA_RunStrat8	false
☐ VIRA_RunStrat9	false
VIRA News	
☐ VIRA_UseHighImpactNewsFilter	true
☐ VIRA_NewsCurrency	USD
☐ VIRA_NewsMinutesBefore	60
☐ VIRA_NewsMinutesAfter	60
VIRA Other	
☐ VIRA_ShowInfoCard	true
☐ VIRA_ShowStrategyTable	true

Example input layout. The visible parameter names are in English, matching the MetaTrader 5 interface.

Input	What it does
VIRA_AllowBuyTrades	Allows or blocks new BUY trades.
VIRA_AllowSellTrades	Allows or blocks new SELL trades.
VIRA_aConfig	Selects Config1 or the bonus Config2 parameter family.
VIRA_TradeMode	Selects the overall trading activity profile.
VIRA_MagicNumber	Base identifier used to distinguish VIRA trades.
VIRA_EnableNFP	Enables the dedicated NFP protection logic.
VIRA_Randomization	Optional randomized adjustment. Default 0.0 means disabled.
VIRA_Risk	Chooses the lot/risk calculation method.
VIRA_InpStartLots	Manual starting lot used in Fixed Lot mode.
VIRA_MaxAllowedDD	Target used by the DD-based sizing model.

7. News filters

Gold can react sharply to major US economic releases. VIRA therefore provides two separate protection layers.

Dedicated NFP filter

VIRA_EnableNFP = true activates the EA's NFP protection logic. The internal configuration is designed to avoid normal trading around the NFP event and can manage pending/open exposure according to the EA rules.

High-impact news filter

The current visible settings are:

```
VIRA_UseHighImpactNewsFilter = true  
VIRA_NewsCurrency = USD  
VIRA_NewsMinutesBefore = 60  
VIRA_NewsMinutesAfter = 60
```

With this setup, new entries are blocked during the selected window around high-impact USD calendar events. For normal use, keeping the filter enabled provides a consistent starting point for broker comparison and testing.

Randomization

VIRA_Randomization provides an optional randomized adjustment. The default value is 0.0, meaning it is disabled. Leave it at 0.0 unless you have a specific reason to test the effect of randomized execution levels.

Keep tests comparable

When comparing Config1, Config2 or different Trade Modes, keep the news settings, deposit, broker, historical period and symbol specification unchanged. Otherwise you may be comparing multiple variables at the same time.

8. Manual strategy selection and the VIRA panel

Advanced users can choose Manual Strategy Selection and enable the required modules with VIRA_RunStrat1 through VIRA_RunStrat9. For isolation tests, enable one module at a time. For custom portfolios, enable only the modules you intentionally want to combine.

The current strategy grouping is designed around lower-, medium- and higher-risk modules. The predefined Trade Modes are the simpler choice for normal use.

Reading the panel

The left information card displays portfolio statistics such as Net Profit, Start Deposit, ROI, Drawdown, Profit Factor, Balance, Equity and the selected risk target. The right table separates the nine strategy modules and shows Trades, Win Rate, P/L, ROI, DD and Profit Factor for each one.

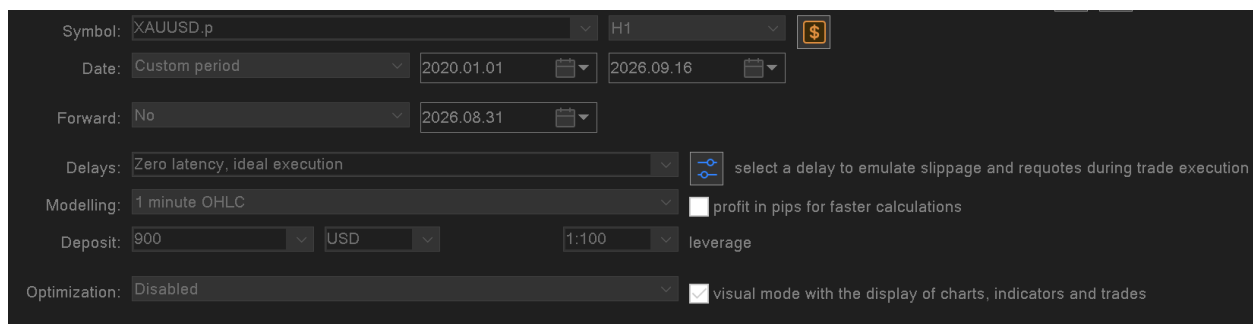
This matters because a final equity curve does not show which modules produced the result. The strategy table lets you see whether performance is distributed across modules or concentrated in only a few.



VIRA strategy dashboard in Visual Tester. The figures in this screenshot belong to that historical test run and are not a promise of future results.

9. Strategy Tester workflow

Before live use, test VIRA in MetaTrader 5 Strategy Tester using the broker and Gold symbol you intend to trade.



Symbol: XAUUSD.p H1 \$

Date: Custom period 2020.01.01 2026.09.16

Forward: No 2026.08.31

Delays: Zero latency, ideal execution ☐ select a delay to emulate slippage and requotes during trade execution

Modelling: 1 minute OHLC ☐ profit in pips for faster calculations

Deposit: 900 USD 1:100 leverage

Optimization: Disabled ☒ visual mode with the display of charts, indicators and trades

Example tester setup using XAUUSD.p, H1 and Visual Mode.

Recommended workflow

- Select your broker's Gold symbol and H1.
- Use the same deposit and leverage you want to evaluate.
- Start with Config1 and one risk profile.
- Run Visual Mode to inspect entries, exits and the strategy table.
- Change only one major setting at a time when comparing results.
- Then compare Config2 if you want an alternative parameter family.

Do not judge a configuration from a very short test or a small number of trades. Breakout systems can produce different sequences when broker prices differ by only a small amount around an entry level.

What a backtest can show

Historical tests can help you study trade frequency, drawdown, strategy interaction and sensitivity to settings. They do not prove how the EA will perform in future market conditions.

10. Brokers used for testing

VIRA has been tested on several broker datasets because XAUUSD history, symbol specifications, spread and execution conditions are not identical across brokers.

Broker / dataset	Period	History quality	Role
Tickmill	2020-2026	99%	Primary Config1 historical test. 5,943 trades in the published report.
IC Markets RAW	2023-2026	99%	Primary Config1 historical test. 2,363 trades in the published report.
Vantage Demo RAW	2020-2026	3% available	Reference only. The available history is incomplete and should not be compared directly with the 99% tests.
PU Prime	Visual compatibility example	-	Additional visual testing using broker symbol XAUUSD.p.

Why results differ

Differences can come from price history, server time, spread, commission, swap, symbol specification, tick generation, liquidity, Stop Level, slippage and execution. A breakout system can be particularly sensitive to small differences around an entry level: one broker may trade through the level while another does not.

For this reason, the most useful comparison is not whether two brokers produce identical trades. It is whether the system behaves reasonably across sufficiently long, good-quality data on the broker you plan to use.

Historical results	Any figures from Strategy Tester are historical test results. They are not real-account results and do not guarantee future profit, drawdown or trade frequency.
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11. How to evaluate VIRA

Do not rely on a single number. Use three different views of the system:

1. Historical backtests	Useful for long-period behavior, trade frequency, drawdown and broker comparison.
2. Your own Strategy Tester	Shows how the EA behaves on your broker's data and your chosen settings.
3. Public MQL5 Signal	Shows current behavior under real trading conditions as the live sample develops.

The public live monitoring started on 7 September 2026, so the live history should be evaluated as the sample grows.

MQL5 Signal: <https://www.mql5.com/en/signals/2389247>

A useful pre-live sequence is: Demo -> Config1 test -> Visual Mode -> risk comparison -> broker comparison -> public Signal review. If the behavior matches your requirements, you can make your own decision about live use and risk.

Who VIRA may fit

- Users who focus on XAUUSD and prefer rule-based automation.
- Users who want several entry logics inside one EA instead of one single module.
- Users who want position sizing separated from trading activity.
- Users who use Strategy Tester and compare broker data before live use.

Who should be cautious

- Anyone looking for guaranteed monthly returns or zero drawdown.
- Anyone who does not want to test risk settings before live trading.
- Anyone who expects identical trades and identical results on every broker.

Further learning, videos and author updates

The basic manual is intentionally practical. Additional material can be published through the author's MQL5 profile, News and Blog posts. These publications can cover new version notes, additional historical tests, observations from live trading, setup examples and practical explanations of VIRA behavior.

Author News on MQL5: https://www.mql5.com/en/users/developer_mql/news

Video instructions

Video walkthroughs can also be published through the video section attached to the MQL5 product page or referenced from the author's MQL5 publications. They can demonstrate installation, Strategy Tester setup, Visual Mode, the strategy dashboard and risk settings in a way that is easier to follow than static screenshots.

Beyond the basic manual

Some author posts go deeper than the parameter list and focus on details that are easy to miss at first: tester workflows, broker-specific nuances, interpretation of the strategy table, configuration comparisons, risk-control decisions and practical observations collected during continued development. Treat these materials as implementation insights and practical tips, not as promises of performance.

Where to check first	For new backtests, live-trading observations, videos and educational notes, check the author's MQL5 News/Publications. Historical tests remain historical, and live screenshots or monitoring describe only the period shown.
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Support and response times

During release periods, major updates or other periods of high support volume, response times can vary. For the fastest official product support, use the MQL5 product comments or the MQL5 messaging system. This keeps purchase and product context inside MQL5 and follows the Market support rules.

If the author's MQL5 profile contains additional public social links, they may be useful for following supplementary content. Product support requests, activation questions and setup issues should still be handled through MQL5.

12. Common questions

Why does VIRA have both Trade Mode and Risk Mode?

Because they solve different problems. Trade Mode changes the portfolio activity profile. Risk Mode determines how lot size is calculated.

What should I change first if I want lower exposure?

Reduce Trade Mode and/or reduce MaxAllowedDD. If you use Fixed Lot, reduce VIRA_InpStartLots.

Should I start with Config2?

No. Start with Config1, because it is the base configuration used for the main Tickmill and IC Markets testing. Config2 is a bonus alternative for later comparison.

Can I run only one strategy?

Yes. Use Manual Strategy Selection and enable only the module you want to isolate. This is useful for research and Strategy Tester comparison.

Why can my broker produce different trades?

Small differences in Gold pricing, spread, server time and execution can change whether a breakout level is triggered.

Does MaxAllowedDD guarantee the account will never exceed that drawdown?

No. It is part of the EA risk-sizing model, not a guaranteed hard ceiling on future real-account drawdown.

Support

For product questions, installation and setup support, use the MQL5 product comments or the MQL5 messaging system. During busy release or update periods, response times may vary. The author's MQL5 News and publications can also contain updated instructions and practical notes.

Final checklist

XAUUSD / H1 -> Config1 -> choose Trade Mode -> choose Fixed Lot or DD-based sizing -> keep news filters enabled -> backtest -> Visual Mode -> compare your broker -> review the MQL5 Signal.

Risk disclosure

Trading Gold involves substantial risk. Historical backtests and past live performance do not guarantee future results. Actual performance can differ because of market conditions, broker data, spread, commissions, swaps, gaps, slippage, execution and settings. Use a risk level appropriate for your account and perform your own testing before live use.