



ECFX XAU REDLINE

COMPLETE USER MANUAL

Three-engine Gold execution for MetaTrader 5

Manual edition 1.11 | EA reference version 1.11 | 20 August 2026

Lock30x Core | Aurum Velocity | Sovereign

<https://expertcodefx.com>

Read this first

This manual explains installation, the factory profile, all three trading engines, chart presentation, sizing, safeguards, backtesting, optimization, troubleshooting, every exposed input and release-integrity verification for ECFX XAU Redline v1.11.

ECFX XAU Redline is automated trading software for MetaTrader 5. It is not a promise of profit or prop-firm success. Gold can gap, move quickly, widen in spread and produce slippage or rejected orders. Historical simulations can differ materially between brokers and future market conditions.

IMPORTANT SHARED-ACCOUNT WARNING: `Daily_Guard_Account_Wide_Close` is true in the supplied factory profile. If the cutoff activates, unrelated manual positions or other EAs on the same account may be closed. Review this before any shared-account use.

Platform	MetaTrader 5
Instrument	XAUUSD, GOLD or the broker's equivalent Gold symbol
Chart	M5, with sufficient M5 and H1 history
Account mode	Hedging required by the stock profile
Engines	Lock30x Core, Aurum Velocity and Sovereign enabled
First workflow	Real-tick baseline, fresh-account recent-period test, then demo observation
External access	No DLL, WebRequest or external custom indicator required

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Product overview

ECFX XAU Redline v1.11 coordinates three independently owned execution systems inside one XAUUSD portfolio. Lock30x uses completed-candle pending-order logic and includes Profit Boost and H1 Expansion lanes. Aurum Velocity uses market-entry Velocity, Channel and optional Pullback signals. Sovereign is a separate H1 ATR-based pending-order subsystem with multiple profiles.

Each engine uses its own magic-number ownership. Redline coordinates chart presentation, portfolio telemetry, the Sydney-day daily-loss guard and selected account-level protection actions.

What changed in v1.11

- Sovereign added as a third independent subsystem and included in dashboard telemetry.
- Lock30x and Aurum reference volume reduced to 1.80 lots per 200,000 account-currency units, approximately 0.45 raw lots at 50,000 before safety controls and broker normalization.
- Main and safe automatic lot caps reduced to 2.00 lots; lot-growth interval increased from 250 to 1,000 account-currency units.
- Profit Boost and H1 Expansion factory lots reduced to 0.45, each with a 0.90 maximum.
- Native MT5 trade history and trade levels hidden by default; Redline draws grey pending, red stop-loss and mint take-profit dotted risk levels behind the panel.
- Pending-order normalization, broker stop/freeze-distance handling, OrderCheck preflight and final live Bid/Ask checks strengthened.

Version 1.11 changes the factory risk profile. Monetary results from older versions using larger starting volume should not be treated as directly comparable.

Intended setup

- Use XAUUSD, GOLD or the broker-equivalent symbol on an M5 chart.
- Use an MT5 Hedging account.
- Keep all three engines enabled for the stock portfolio; isolate them only for controlled testing.
- Confirm both the EA Common-tab permission and MT5's main Algo Trading button.
- Backtest with the exact broker feed, costs, symbol specification and account assumptions you intend to compare.

Engine 01 - Lock30x Core

Lock30x reads completed M5 candles. When range, direction, broker-time, recent-regime, exposure, account and risk controls allow an entry, it calculates a pending level from the candle extreme and configured offset. The order receives a protective stop and expiry. Decision spacing and managed-exposure checks reduce unintended duplicates.

After favourable movement, trailing logic can begin at stop_lose_trail_start and maintain Stoplose_trail behind price. The stock core does not rely on a fixed take profit; exits can occur through stop, trailing, time rules, the daily guard or shared protection.

Portfolio Profit Boost

Boost remains locked until the configured daily-profit threshold is reached. It evaluates a stronger completed candle in its own time window using a deterministic local quality score. No external AI service is used and account or market data is not transmitted to one.

Its lot request is constrained by today's profit cushion, account-equity risk, its lot cap and margin cap. It is not a martingale recovery function.

H1 Expansion

H1 Expansion reads completed H1 candles while Redline remains on M5. It combines candle expansion, ATR, EMA alignment, body quality, time windows and weekday controls, with separate order distance, stop, expiry, volume and hold-time settings.

Engine 02 - Aurum Velocity

Aurum evaluates completed M5 candles in its broker-time activity window. Velocity looks for a directional candle meeting range and body thresholds. Channel compares the completed candle with a prior multi-bar boundary. Pullback, disabled in the stock profile, uses ATR and the fast EMA to identify a wick into the moving-average area followed by a directional close.

Velocity, Channel and Pullback use separate magic numbers. Aurum positions receive an initial stop and can use trailing, break-even, maximum-hold and optional session-end exits. Aurum also has a spread limit, entry ceiling, daily equity-loss control, drawdown brakes and persistent high-water protection.

Engine 03 - Sovereign

Sovereign evaluates previous H1 high/low and H1 ATR while Redline remains attached to M5. Each enabled profile has its own entry-distance multiplier, stop distance, reward-to-risk relationship, magic ownership and comment. A profile does not place another order while it already owns a qualifying pending order or open position.

Before submission, Sovereign checks spread; normalizes entry, stop and target to tick size; accounts for broker stop/freeze distance; skips already-crossed breakouts instead of chasing price; runs OrderCheck; and refreshes Bid/Ask immediately before OrderSend.

Sovereign sizing is separate from the Lock30x/Aurum 0.45-lot reference. Fixed starting lots or weighted risk sizing can apply, subject to stop distance, tick value, account basis, margin and broker volume rules.

- Virtual expiration removes old pending orders.
- Friday and NFP controls can close or suppress exposure according to settings.
- Nine strategy profiles can be enabled independently.

Strategy points and volume

For the principal Lock30x and Aurum distance settings, one Redline strategy point is intended to represent approximately 0.01 in XAUUSD price on common two- and three-decimal Gold symbols. For example, 600 strategy points is approximately 6.00 in price before broker stop, freeze and tick-size rules.

Lock30x automatic reference volume is $\text{Lot_Size} \times \text{reference equity} / \text{Capital_Reference_Balance}$. With 1.80 per 200,000, 50,000 produces approximately 0.45 raw lots. Aurum equity-reference mode uses $\text{InpReferenceLots} \times \text{current equity} / \text{InpReferenceEquity}$ and produces the same raw reference under the stock values.

Sovereign can use fixed or weighted-risk sizing. Its final lot depends on selected account basis, per-strategy risk, entry-to-stop distance, tick value, broker limits and enabled profile.

Why the final lot can be smaller

- Lock30x or Aurum drawdown brakes and Lock30x recovery mode.
- Main, safe and engine-specific lot caps.
- Boost profit-cushion and risk-based sizing.
- H1 Expansion and Sovereign-specific limits.
- Free margin, configured margin cap and broker minimum/maximum/step normalization.

Ending balance alone does not identify the active risk state. Inspect peak equity, current drawdown, recovery state, protection state, margin, stop distance, logs and broker normalization.

Portfolio safeguards

The stock Sydney-day guard resets at 08:00 Sydney time and can account for daylight saving. At its 2.70 percent cutoff it can block new entries, close positions and delete pending orders until reset. With account-wide close enabled, other EAs or manual positions can be affected.

Lock30x factory drawdown Level 1 is 8 percent with a 0.50 multiplier; Level 2 is 14 percent with 0.25. Recovery begins at 6 percent and exits at 2.5 percent or less with a 0.40 multiplier. Aurum uses 0.40 from 6 percent and 0.15 from 10 percent.

Outside the Strategy Tester, Aurum can persist initial equity, peak equity and lock state. If its profit lock is shared, a genuine protection event can close Redline-managed exposure across all three engines. Reset controls are one-time recovery tools and must not be used merely to force trading.

Execution protection

- Tick-size normalization and broker stop/freeze-distance handling.
- Spread, stale-feed and margin controls.
- Pending expiry or virtual expiration and duplicate ownership checks.
- OrderCheck preflight and final live Bid/Ask recheck.
- MQL5 Market validator-safe handling.

Installation

- Open MetaTrader 5 and sign in to the MQL5 account used for purchase.
- Open Market - Purchased (or Navigator - Expert Advisors - Market), then download or update ECFX XAU Redline.
- Open the broker's XAUUSD or Gold-equivalent chart and select M5.
- Drag Redline onto the chart. On Common, allow algorithmic trading. DLL and WebRequest permissions are not required.
- Keep factory inputs for the first controlled run, confirm Hedging mode and enable MT5's main Algo Trading button.
- Inspect Experts and Journal for initialization, symbol, account, margin, market-hours or parameter warnings.

VPS operation

Attach and verify locally first. Then migrate the chart and Expert to the intended MetaQuotes VPS or Windows VPS and inspect its Journal/recorder evidence. Avoid running the same trading instance locally and remotely at the same time unless only one terminal is permitted to trade.

Redline chart presentation

- Grey dotted pending-entry lines, red dotted stop-loss lines and mint dotted take-profit lines.
- SlateGrey Bid line, clean chart history by default and risk lines behind the panel.
- Dashboard shows feed, risk, trading state, balance, equity, net profit, drawdown, margin, daily shield and engine ownership counts.
- ONLINE or ARMED means enabled and eligible; it does not guarantee an immediate setup or trade.

How to backtest

- Open View - Strategy Tester and select the exact ECFX XAU Redline v1.11 binary.
- Choose the broker's Gold symbol, M5, Hedging and Every tick based on real ticks when adequate history is available.
- Set deposit, currency, leverage, spread, commission, swap and execution assumptions explicitly.
- Keep factory defaults for the named baseline; enable Visual Mode only when panel/chart behaviour must be inspected.
- Save the full report, exact .set inputs, Journal/Experts messages and file hashes.

Controlled validation sequence

- Combined stock profile: all three engines enabled.
- Lock30x isolation, Aurum isolation and Sovereign isolation.
- Fresh-account recent-period run: start again from the original deposit; do not carry compounded equity into the recent regime.
- Out-of-sample period using frozen values selected elsewhere.
- Forward demo observation for broker time, rejections, lot normalization, daily reset and VPS continuity.

Do not call a changed setting better until it has been compared against the named v1.11 baseline under the same EA hash, inputs, broker data, symbol, dates, costs, capital, leverage and modelling assumptions.

Complete v1.11 settings reference

The following tables are generated from the exposed input declarations in the supplied v1.11 MQ5 source. Defaults are shown exactly as declared. Strategy distances use Redline strategy points unless the input describes ATR, hours, percentages or another unit.

00. ECFX XAU REDLINE - STOCK PROFILE

4 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Hybrid_Enable_Lock30x_Engine	true	Turns the Lock30x family on or off.
Hybrid_Enable_Aurum_Engine	true	Turns the Aurum Velocity family on or off.
Hybrid_Require_Hedging_Account	true	Requires MT5 Hedging mode so engines retain separate ownership.
Hybrid_Share_Aurum_Profit_Lock	false	Shares the Aurum high-water lock across the complete Redline portfolio.

01. LOCK30X CORE ENGINE

9 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Stoplose_trail	50.0	Entry, protective-stop, target or trade-management distance/control.
Lot_Size	1.80	v1.11: approximately 0.45 lots at 50K with the 200K reference.
Candle	120.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Offset	-10.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Expire	0.5	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
stop_lose	600.0	Entry, protective-stop, target or trade-management distance/control.
stop_lose_trail_start	120.0	Entry, protective-stop, target or trade-management distance/control.
once_per_minutes	5.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Magic_Number	333333	Lock30x order and position ownership identifier; keep unique.

02. LOCK30X VOLUME AND CAPITAL SCALING

8 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Auto_Lot_Scaling	true	Volume, exposure, risk or margin control for the named engine; retest after changing.
Capital_Reference_Balance	200000.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Auto_Lot_Reference_Equity	0.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
Step_Lot_Profit_Interval	1000.0	v1.11: slower, safer lot growth after profits.
Step_Lot_Size_Increment	0.01	Volume, exposure, risk or margin control for the named engine; retest after changing.
Auto_Lot_Max_Lots	2.00	Volume, exposure, risk or margin control for the named engine; retest after changing.
Margin_Usage_Cap_Pct	70.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
Force_Requested_Lot_Without_Margin_Reduction	false	Volume, exposure, risk or margin control for the named engine; retest after changing.

03. LOCK30X ADAPTIVE RISK CONTROLS

12 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Equity_Based_Scaling	true	Enables or disables the named function.
Enable_Drawdown_Brake	true	Volume, exposure, risk or margin control for the named engine; retest after changing.
Drawdown_Brake_Level1_Pct	8.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
Drawdown_Brake_Level1_Lot_Mult	0.5	Volume, exposure, risk or margin control for the named engine; retest after changing.
Drawdown_Brake_Level2_Pct	14.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
Drawdown_Brake_Level2_Lot_Mult	0.25	Volume, exposure, risk or margin control for the named engine; retest after changing.
Enable_Recovery_Mode	true	Enables or disables the named function.
Recovery_Mode_Enter_Drawdown_Pct	6.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
Recovery_Mode_Exit_Drawdown_Pct	2.5	Volume, exposure, risk or margin control for the named engine; retest after changing.
Recovery_Mode_Lot_Mult	0.4	Volume, exposure, risk or margin control for the named engine; retest after changing.
Enable_Safe_Lot_Cap	true	Volume, exposure, risk or margin control for the named engine; retest after changing.
Safe_Max_Lots	2.00	Volume, exposure, risk or margin control for the named engine; retest after changing.

04. RUNTIME AND DIAGNOSTICS

8 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Trading	true	Enables or disables the named function.
Enable_GX_Panel	true	Visual or panel setting; it does not create a trading signal.
Enable_Debug_Logs	false	Enables or disables the named function.
Enable_Trade_Event_Logs	false	Enables or disables the named function.
Enable_Health_Event_Logs	false	Enables or disables the named function.
Panel_Refresh_Seconds	1	Visual or panel setting; it does not create a trading signal.
Heartbeat_Minutes	15	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Tick_Stale_Threshold_Seconds	120	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.

05. BROKER EXECUTION PROTECTION

2 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Broker_Buffer_Points	5.0	Execution-protection threshold; broker symbol specifications affect the result.
Entry_Buffer_Points	2.0	Execution-protection threshold; broker symbol specifications affect the result.

06. OPTIONAL CHART TRADE MARKUP

6 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Chart_Trade_Markers	false	Visual or panel setting; it does not create a trading signal.
Show_Closed_Trade_Text_Only	true	Enables or disables the named function.
Chart_Text_Offset_Points	120.0	Visual or panel setting; it does not create a trading signal.
Enable_Chart_Marker_Stagger	true	Visual or panel setting; it does not create a trading signal.
Chart_Marker_Stack_Points	75.0	Visual or panel setting; it does not create a trading signal.

INPUT	DEFAULT	PURPOSE
Clear_Chart_Markers_On_Remove	false	Visual or panel setting; it does not create a trading signal.

07. ECFX XAU REDLINE VISUAL EXPERIENCE

29 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_GX_Chart_Theme	true	Visual or panel setting; it does not create a trading signal.
Enable_GX_Object_Panel	true	Visual or panel setting; it does not create a trading signal.
Apply_Chart_Theme	true	Visual or panel setting; it does not create a trading signal.
Use_Premium_Chart_Theme	true	Visual or panel setting; it does not create a trading signal.
Redline_Candle_Style	REDLINE_CANDLES_HOLLOW	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Show_Chart_Status_Badge	true	Visual or panel setting; it does not create a trading signal.
Remove_Chart_Indicators	true	Visual or panel setting; it does not create a trading signal.
Hide_Platform_Trade_Levels	true	Native MT5 levels off; Redline draws the styled levels below.
Show_Platform_Trade_History	false	Hides MT5 entry/exit arrows and dotted history paths.
Show_Bid_Price_Line	true	Enables or disables the named function.
Bid_Price_Line_Color	C'112,128,144'	SlateGray.
Show_Redline_Order_Levels	true	Draws Redline pending, stop-loss and take-profit risk levels.
Pending_Order_Level_Color	C'112,128,144'	Grey pending-entry level.
Stop_Loss_Level_Color	C'238,28,45'	Red stop-loss level.
Take_Profit_Level_Color	C'166,226,190'	Same green family as ONLINE.
Panel_Corner	CORNER_LEFT_UPPER	Visual or panel setting; it does not create a trading signal.
Panel_X_Offset	16	Visual or panel setting; it does not create a trading signal.
Panel_Y_Offset	18	Visual or panel setting; it does not create a trading signal.
Panel_X	14	Visual or panel setting; it does not create a trading signal.
Panel_Y	26	Visual or panel setting; it does not create a trading signal.
Panel_Width	650	Visual or panel setting; it does not create a trading signal.
Panel_Height	620	Visual or panel setting; it does not create a trading signal.
Show_Background_Logo	true	Visual or panel setting; it does not create a trading signal.
Background_Logo_Text	"ECFX XAU REDLINE"	Visual or panel setting; it does not create a trading signal.
Background_Logo_Sub_Text	"MULTI-ENGINE GOLD EXECUTION"	Visual or panel setting; it does not create a trading signal.
Background_Logo_Size	25	Visual or panel setting; it does not create a trading signal.
Background_Logo_Color	C'238,28,45'	Visual or panel setting; it does not create a trading signal.
Enable_Animated_Redline_Title	true	Enables or disables the named function.
Redline_Title_Cycle_Seconds	10	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.

08. TRADE FLASH ALERTS

5 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Show_Trade_Flash_Alerts	false	Visual or panel setting; it does not create a trading signal.
Flash_Display_Seconds	10	Visual or panel setting; it does not create a trading signal.
Flash_Font_Size	14	Visual or panel setting; it does not create a trading signal.
Flash_Y_From_Bottom	58	Visual or panel setting; it does not create a trading signal.
Flash_Line_Gap	18	Visual or panel setting; it does not create a trading signal.

09. MQL5 MARKET VALIDATION COMPATIBILITY

2 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Market_Validator_Safe_Mode	true	Enables or disables the named function.
Enable_Market_Validator_Fallback_Trade	true	Enables or disables the named function.

10. GENERAL TRADING GUARDRAILS

1 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_No_Hedge_Mode	false	Enables or disables the named function.

11. PORTFOLIO DAILY LOSS PROTECTION

10 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Daily_Loss_Guard	true	Enables or disables the named function.
Daily_Loss_Cutoff_Pct	2.70	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Daily_Reset_Hour_Sydney	8	Broker-time, calendar or session control; confirm the broker server clock.
Sydney_UTC_Offset_Hours	10	Broker-time, calendar or session control; confirm the broker server clock.
Auto_Sydney_DST	true	Enables or disables the named function.
Use_Equity_For_Daily_Cutoff	true	Enables or disables the named function.
Close_Positions_On_Daily_Cutoff	true	Enables or disables the named function.
Delete_Pending_On_Daily_Cutoff	true	Enables or disables the named function.
Daily_Guard_Reference_Balance	0.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Daily_Guard_Account_Wide_Close	true	When true, the daily cutoff may close unrelated manual and EA positions on the account.

12. LOCK30X PORTFOLIO PROFIT BOOST

25 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Hybrid_Profit_Boost	true	Enables or disables the named function.
Boost_Unlock_Daily_Profit_Pct	0.50	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Stop_Daily_Profit_Pct	0.20	Entry, protective-stop, target or trade-management distance/control.
Boost_Risk_Todays_Profit_Pct	35.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
Boost_Max_Risk_Account_Pct	0.50	Volume, exposure, risk or margin control for the named engine; retest after changing.
Boost_Lot_Size	0.45	Volume, exposure, risk or margin control for the named engine; retest after changing.
Boost_Max_Lots	0.90	Volume, exposure, risk or margin control for the named engine; retest after changing.
Boost_Margin_Usage_Cap_Pct	25.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
Boost_Candle	200.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Offset	-10.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Expire	0.80	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Stop_Loss	520.0	Entry, protective-stop, target or trade-management distance/control.

INPUT	DEFAULT	PURPOSE
Boost_Once_Per_Minutes	10.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Enable_Buy	false	Enables or disables the named function.
Boost_Buy_Hour_Start	0	Broker-time, calendar or session control; confirm the broker server clock.
Boost_Buy_Hour_End	24	Broker-time, calendar or session control; confirm the broker server clock.
Boost_Enable_Sell	true	Enables or disables the named function.
Boost_Sell_Hour_Start	16	Broker-time, calendar or session control; confirm the broker server clock.
Boost_Sell_Hour_End	17	Broker-time, calendar or session control; confirm the broker server clock.
Boost_Only_When_Flat	true	Enables or disables the named function.
Boost_Use_Momentum_Filter	true	Enables or disables the named function.
Boost_Avg_Range_Bars	12	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Min_Range_vs_Avg	1.15	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Min_Body_Pct	55.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Boost_Min_Close_Extreme_Pct	65.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.

13. LOCAL REGIME QUALITY FILTER

10 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Local_AI_Regime_Filter	true	Enables or disables the named function.
AI_Min_Boost_Score	68.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AI_Range_Weight	24.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AI_Body_Weight	18.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AI_Close_Weight	18.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AI_Profit_Cushion_Weight	15.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AI_Spread_Penalty_Weight	12.0	Execution-protection threshold; broker symbol specifications affect the result.
AI_Drawdown_Penalty_Weight	18.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
AI_Loss_Streak_Penalty	7.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AI_Max_Allowed_Spread_Points	280.0	Execution-protection threshold; broker symbol specifications affect the result.

14. RECENT MARKET REGIME GUARD

8 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Recent_Regime_Guard	true	Enables or disables the named function.
Recent_Guard_Start_Date	"2026.03.01"	Date or weekday filter; changing it alters the tested profile.
Recent_Guard_Core_Block_Monday	false	Date or weekday filter; changing it alters the tested profile.
Recent_Guard_Core_Block_Tuesday	true	Date or weekday filter; changing it alters the tested profile.
Recent_Guard_Core_Block_Wednesday	true	Date or weekday filter; changing it alters the tested profile.
Recent_Guard_Core_Block_Thursday	true	Date or weekday filter; changing it alters the tested profile.
Recent_Guard_Core_Block_Friday	true	Broker-time, calendar or session control; confirm the broker server clock.
Recent_Guard_Boost_Block_After_17	true	Enables or disables the named function.

15. LOCK30X H1 EXPANSION ENGINE

42 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_H1_Expansion_Engine	true	Enables or disables the named function.
H1_Expansion_Timeframe	PERIOD_H1	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Candle	350.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Offset	25.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Stop_Loss	720.0	Entry, protective-stop, target or trade-management distance/control.
H1_Expansion_Expire	1.00	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Once_Per_Minutes	60.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Enable_Buy	false	Enables or disables the named function.
H1_Expansion_Enable_Sell	true	Enables or disables the named function.
H1_Expansion_Only_When_Flat	false	Enables or disables the named function.
H1_Expansion_Lot_Size	0.45	Volume, exposure, risk or margin control for the named engine; retest after changing.
H1_Expansion_Max_Lots	0.90	Volume, exposure, risk or margin control for the named engine; retest after changing.
H1_Expansion_Margin_Usage_Cap_Pct	40.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
H1_Expansion_EMA_Fast	20	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_EMA_Slow	50	Entry, protective-stop, target or trade-management distance/control.
H1_Expansion_ATR_Period	14	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Min_ATR_Points	180.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Min_Range_ATR	0.65	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Min_Body_Pct	48.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Buy_Hour_Start	0	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Buy_Hour_End	24	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Buy_Hour_2_Start	-1	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Buy_Hour_2_End	-1	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Buy_Hour_3_Start	-1	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Buy_Hour_3_End	-1	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Sell_Hour_Start	6	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Sell_Hour_End	7	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Sell_Hour_2_Start	8	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Sell_Hour_2_End	10	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Sell_Hour_3_Start	15	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Sell_Hour_3_End	17	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Use_Recent_Guard	true	Enables or disables the named function.
H1_Expansion_Recent_Guard_Start_Date	"2026.03.01"	Date or weekday filter; changing it alters the tested profile.
H1_Expansion_Block_Monday	true	Date or weekday filter; changing it alters the tested profile.
H1_Expansion_Block_Tuesday	false	Date or weekday filter; changing it alters the tested profile.
H1_Expansion_Block_Wednesday	true	Date or weekday filter; changing it alters the tested profile.
H1_Expansion_Block_Thursday	false	Date or weekday filter; changing it alters the tested profile.
H1_Expansion_Block_Friday	true	Broker-time, calendar or session control; confirm the broker server clock.
H1_Expansion_Use_Separate_Max_Hold	true	Enables or disables the named function.

INPUT	DEFAULT	PURPOSE
H1_Expansion_Max_Hold_Minutes	180	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
H1_Expansion_Max_Hold_Buy	true	Enables or disables the named function.
H1_Expansion_Max_Hold_Sell	true	Enables or disables the named function.

16. LOCK30X DIRECTION CONTROLS

2 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Buy_Setups	true	Enables or disables the named function.
Enable_Sell_Setups	true	Enables or disables the named function.

17. LOCK30X SETUP HOURS

14 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Buy_Hour_Filter	true	Broker-time, calendar or session control; confirm the broker server clock.
Buy_Hour_1_Start	7	Broker-time, calendar or session control; confirm the broker server clock.
Buy_Hour_1_End	8	Broker-time, calendar or session control; confirm the broker server clock.
Buy_Hour_2_Start	11	Broker-time, calendar or session control; confirm the broker server clock.
Buy_Hour_2_End	12	Broker-time, calendar or session control; confirm the broker server clock.
Buy_Hour_3_Start	14	Broker-time, calendar or session control; confirm the broker server clock.
Buy_Hour_3_End	15	Broker-time, calendar or session control; confirm the broker server clock.
Enable_Sell_Hour_Filter	true	Broker-time, calendar or session control; confirm the broker server clock.
Sell_Hour_1_Start	15	Broker-time, calendar or session control; confirm the broker server clock.
Sell_Hour_1_End	16	Broker-time, calendar or session control; confirm the broker server clock.
Sell_Hour_2_Start	17	Broker-time, calendar or session control; confirm the broker server clock.
Sell_Hour_2_End	18	Broker-time, calendar or session control; confirm the broker server clock.
Sell_Hour_3_Start	-1	Broker-time, calendar or session control; confirm the broker server clock.
Sell_Hour_3_End	-1	Broker-time, calendar or session control; confirm the broker server clock.

18. LOCK30X TIME-BASED EXIT SAFETY

9 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Enable_Max_Hold_Exit	false	Enables or disables the named function.
Max_Hold_Minutes	60	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Apply_Max_Hold_To_Buy	true	Enables or disables the named function.
Apply_Max_Hold_To_Sell	true	Enables or disables the named function.
Enable_Force_Close_Hour_Exit	false	Broker-time, calendar or session control; confirm the broker server clock.
Force_Close_Buy_Positions	false	Enables or disables the named function.
Force_Close_Buy_Hour	24	Broker-time, calendar or session control; confirm the broker server clock.
Force_Close_Sell_Positions	true	Enables or disables the named function.
Force_Close_Sell_Hour	17	Broker-time, calendar or session control; confirm the broker server clock.

19. SOVEREIGN ENGINE (INDEPENDENT SUBSYSTEM)

58 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
Hybrid_Enable_GoldReaper_Engine	true	Turns the Sovereign independent subsystem on or off.
UseVariableValues	true	Enables or disables the named function.
AdjustLotSizeToVariableValues	true	Volume, exposure, risk or margin control for the named engine; retest after changing.
ShowInfoPanel	true	Visual or panel setting; it does not create a trading signal.
UpdateInfoTesting	false	Date or weekday filter; changing it alters the tested profile.
InfoPanelSizeAdjust	1.0	Visual or panel setting; it does not create a trading signal.
SetFontSize	0	Visual or panel setting; it does not create a trading signal.
BacktestSpeed	1	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AllowBuyTrades	true	Enables or disables the named function.
AllowSellTrades	true	Enables or disables the named function.
TradeFrequency	5	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
MaxSpread	500.0	Execution-protection threshold; broker symbol specifications affect the result.
UseHL_TrailingSL	true	Entry, protective-stop, target or trade-management distance/control.
FridayStopHour	25	Broker-time, calendar or session control; confirm the broker server clock.
FridayClosePending	true	Broker-time, calendar or session control; confirm the broker server clock.
FridayCloseOpen	true	Broker-time, calendar or session control; confirm the broker server clock.
setSL_TP_After_Entry	false	Entry, protective-stop, target or trade-management distance/control.
Virtual_expiration	true	Enables or disables the named function.
Randomization	0.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
FakeOutFilter	2	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
ST1_MagicNumber	8000	Sovereign profile ownership-number base; keep clear of other EAs.
ST1_Comment	"Sovereign"	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
RemoveCommentSuffix	false	Enables or disables the named function.
EnableNFP_Filter	true	Enables or disables the named function.
UseMQL5Calendar	true	Enables or disables the named function.
AutoGMT	true	Broker-time, calendar or session control; confirm the broker server clock.
Broker_GMT_OFFSET_Winter	2	Broker-time, calendar or session control; confirm the broker server clock.
Broker_GMT_OFFSET_Summer	3	Broker-time, calendar or session control; confirm the broker server clock.
NFP_CloseOpenTrades	true	Enables or disables the named function.
NFP_ClosePendingOrders	true	Enables or disables the named function.
NFP_MinutesBefore	100	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
NFP_MinutesAfter	60	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AdjustEntry	0.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
AdjustSL	0.0	Entry, protective-stop, target or trade-management distance/control.
AdjustTP	0.0	Entry, protective-stop, target or trade-management distance/control.
AdjustTrailSL	0.0	Entry, protective-stop, target or trade-management distance/control.
AdjustTrailTP	0.0	Entry, protective-stop, target or trade-management distance/control.
AdjustBreakEven	0.0	Entry, protective-stop, target or trade-management distance/control.
ManualBalance	0.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
Risk	1234	Volume, exposure, risk or margin control for the named engine; retest after changing.
StartLots	0.01	Volume, exposure, risk or margin control for the named engine; retest after changing.

INPUT	DEFAULT	PURPOSE
MaxAllowedDD	30.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
UseWeightedLots	true	Volume, exposure, risk or margin control for the named engine; retest after changing.
MaxRiskPerStrategy_	1.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
PropFirmMaxDailyDD	0.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
OnlyUp	true	Enables or disables the named function.
ResetHighestBalance	false	One-time Sovereign high-water reset control; use only after deliberate review.
CheckMargin	true	Volume, exposure, risk or margin control for the named engine; retest after changing.
UseEquity	false	Enables or disables the named function.
RunStrat1	true	Enables or disables the named function.
RunStrat2	true	Enables or disables the named function.
RunStrat3	true	Enables or disables the named function.
RunStrat4	true	Enables or disables the named function.
RunStrat5	true	Enables or disables the named function.
RunStrat6	true	Enables or disables the named function.
RunStrat7	true	Enables or disables the named function.
RunStrat8	true	Enables or disables the named function.
RunStrat9	true	Enables or disables the named function.

18B. REDLINE v1.04 CONDITIONAL FAILURE EXIT - RESEARCH

13 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
V104_Enable_Conditional_Failure_Exit	false	Enables or disables the named function.
V104_Profile_Start_Date	"2026.01.01"	Date or weekday filter; changing it alters the tested profile.
V104_Failure_Check_Start_Minutes	3	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V104_Min_Adverse_Points	80.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V104_Max_Favourable_Progress_Points	50.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V104_Require_Opposite_M1_Candle	true	Enables or disables the named function.
V104_Min_Opposite_Candle_Body_Pct	55.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V104_Apply_To_Lock30x	true	Enables or disables the named function.
V104_Apply_To_Velocity	true	Enables or disables the named function.
V104_Apply_To_Channel	true	Enables or disables the named function.
V104_Apply_To_Buys	true	Enables or disables the named function.
V104_Apply_To_Sells	true	Enables or disables the named function.
V104_Enable_Exit_Trace	false	Enables or disables the named function.

19. AURUM ENGINE OWNERSHIP

4 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
InpMagicVelocity	260816910	Magic-number ownership identifier; keep unique across active instances and EAs.
InpMagicChannel	260816911	Magic-number ownership identifier; keep unique across active instances and EAs.

INPUT	DEFAULT	PURPOSE
InpMagicPullback	260816912	Magic-number ownership identifier; keep unique across active instances and EAs.
InpComment	"ECFX XAU REDLINE - Aurum"	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.

20. AURUM CONCURRENT SIGNAL ENGINES

17 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
InpSignalTF	PERIOD_M5	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpEnableVelocity	true	Enables or disables the named function.
InpEnableChannel	true	Enables or disables the named function.
InpEnablePullback	false	Enables or disables the named function.
InpAllowBuy	true	Enables or disables the named function.
InpAllowSell	true	Enables or disables the named function.
InpATRPeriod	14	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpFastEMAPeriod	20	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpSlowEMAPeriod	50	Entry, protective-stop, target or trade-management distance/control.
InpVelocityMinPoints	80.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpVelocityBodyPct	50.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpChannelBars	3	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpChannelBufferPoints	0.0	Execution-protection threshold; broker symbol specifications affect the result.
InpPullbackWickATR	0.15	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpRequireTrend	false	Enables or disables the named function.
InpMaxOpenPositions	2	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpEngineCooldownBars	0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.

21. AURUM BROKER-TIME ACTIVITY WINDOW

9 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
InpSessionStartHour	15	Broker-time, calendar or session control; confirm the broker server clock.
InpSessionEndHour	18	Broker-time, calendar or session control; confirm the broker server clock.
InpTradeMonday	true	Date or weekday filter; changing it alters the tested profile.
InpTradeTuesday	true	Date or weekday filter; changing it alters the tested profile.
InpTradeWednesday	true	Date or weekday filter; changing it alters the tested profile.
InpTradeThursday	true	Date or weekday filter; changing it alters the tested profile.
InpTradeFriday	true	Broker-time, calendar or session control; confirm the broker server clock.
InpMaxEntriesPerDay	30	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpTradingStartDate	"2020.01.01"	Earliest trade date; blank disables the date filter.

22. AURUM VOLUME AND SCALING

6 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
InpVolumeMode	ECFX_VOLUME_EQUITY_REFERENCE	Selects fixed-volume or equity-reference sizing for Aurum.
InpFixedLots	0.01	Volume, exposure, risk or margin control for the named engine; retest after changing.
InpReferenceLots	1.80	v1.11: approximately 0.45 lots at 50K with the 200K reference.
InpReferenceEquity	200000.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpMaximumLots	2.00	Volume, exposure, risk or margin control for the named engine; retest after changing.
InpMarginUsageCapPct	50.0	Volume, exposure, risk or margin control for the named engine; retest after changing.

23. AURUM EXIT ENGINE

8 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
InpStopPoints	600.0	Entry, protective-stop, target or trade-management distance/control.
InpTrailStartPoints	120.0	Entry, protective-stop, target or trade-management distance/control.
InpTrailDistancePoints	50.0	Entry, protective-stop, target or trade-management distance/control.
InpUseBreakEven	false	Entry, protective-stop, target or trade-management distance/control.
InpBreakEvenAtPoints	90.0	Entry, protective-stop, target or trade-management distance/control.
InpBreakEvenLockPoints	5.0	Entry, protective-stop, target or trade-management distance/control.
InpMaxHoldMinutes	240	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
InpCloseAtSessionEnd	false	Broker-time, calendar or session control; confirm the broker server clock.

24. AURUM PORTFOLIO PROTECTION

13 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
InpMaxSpreadPoints	100	Execution-protection threshold; broker symbol specifications affect the result.
InpSlippagePoints	50	Execution-protection threshold; broker symbol specifications affect the result.
InpDailyLossLimitPct	2.70	Entry, protective-stop, target or trade-management distance/control.
InpBrakeLevel1Pct	6.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
InpBrakeMultiplier1	0.40	Volume, exposure, risk or margin control for the named engine; retest after changing.
InpBrakeLevel2Pct	10.0	Volume, exposure, risk or margin control for the named engine; retest after changing.
InpBrakeMultiplier2	0.15	Volume, exposure, risk or margin control for the named engine; retest after changing.
InpHardEquityGuardPct	10.0	Lock after this drawdown from peak equity (%).
InpProfitProtectionArmProfit	0.0	Arm after this profit; 0 uses automatic scaling.
InpHardGuardActivationMultiple	20.0	Automatic arm level (x starting equity).
InpPersistSafetyState	true	Enables or disables the named function.
InpResetStoredProtectionState	false	One-time reset; return to false after EA starts.
InpDiagnosticLogging	false	Enables or disables the named function.

25. REDLINE v1.11 RESEARCH AND BROKER DIAGNOSTICS

8 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
V103_Enable_Decision_Trace	true	Enables or disables the named function.

INPUT	DEFAULT	PURPOSE
V103_Trace_Every_Completed_Bar	true	Enables or disables the named function.
V103_Aurum_Session_Shift_Hours	0	Research only: shifts the broker-hour session, -12..+12.
V103_Enable_2026_Quality_Filter	false	OFF preserves the exact v1.02 signal baseline.
V103_Quality_Filter_Start_Date	"2026.01.01"	Date or weekday filter; changing it alters the tested profile.
V103_Min_Velocity_Points	90.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V103_Min_Velocity_Body_Pct	55.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V103_Min_Channel_Body_Pct	45.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.

26. REDLINE v1.05 ADAPTIVE TREND PULLBACK - RESEARCH

18 exposed inputs in this group.

INPUT	DEFAULT	PURPOSE
V105_Enable_Adaptive_Pullback	true	Enables or disables the named function.
V105_Profile_Start_Date	"2026.01.01"	Date or weekday filter; changing it alters the tested profile.
V105_H1_Fast_EMA_Period	20	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_H1_Slow_EMA_Period	50	Entry, protective-stop, target or trade-management distance/control.
V105_H1_ATR_Period	14	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_Min_H1_Trend_Separation_ATR	0.08	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_M5_Pullback_Depth_ATR	0.10	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_Min_Rejection_Wick_ATR	0.08	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_Min_Rejection_Body_Pct	35.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_Min_Close_Location_Pct	60.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_Session_Start_Hour	7	Broker-time, calendar or session control; confirm the broker server clock.
V105_Session_End_Hour	18	Broker-time, calendar or session control; confirm the broker server clock.
V105_Fixed_Lots	0.10	Volume, exposure, risk or margin control for the named engine; retest after changing.
V105_Maximum_Lots	0.50	Volume, exposure, risk or margin control for the named engine; retest after changing.
V105_Stop_Points	350.0	Entry, protective-stop, target or trade-management distance/control.
V105_Target_Points	525.0	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_Max_Hold_Minutes	90	Advanced setting for the named engine; retain the factory value unless its effect is understood and retested.
V105_Enable_Trace	false	Enables or disables the named function.

Release integrity and checksums

SHA-256 fingerprints detect any byte-level change. Compare the complete 64-character value, not only the filename or file size. A changed hash does not prove malicious tampering - legitimate recompilation, re-export or editing also changes it - but it proves the file is not byte-for-byte identical to this recorded release.

The manual's own SHA-256 is recorded in the companion SHA256SUMS file created after this PDF is finalized. A PDF cannot contain its own stable final hash because inserting that hash would change the PDF and therefore change the hash again.

ECFX XAU REDLINE v1.11.mq5	ed508bf809429e6ed74fb9143a07de7d5caf35f6a7e0e84d98c7d403886bfbfd5
ECFX XAU Redline v1.11.ex5	60df67593a9e4fab5a7aa9b77f7517396a7280a0bad8697aec2ddf20acfc62dd
ECFX XAU Redline v1.11 MQL5 Product Description.txt	f3781707bd15826503e5bf5143ca2b286145da02fc6f46877a04c1c35b4a108a
ECFX_XAU_REDLINE_FTMO_BACKTEST_FINAL_PROPERLY_FIXED.mp4	956089fe6ccc53785876d248db0aadbf9f5014835584ea8055df6cbf3d1ed85

How to verify on macOS

Open Terminal and run: `shasum -a 256` followed by a quoted file path. Compare the output with ECFX XAU Redline v1.11 - SHA256SUMS.txt. Keep the manifest with the exact release package and do not overwrite it when a new build is made.

Troubleshooting

- EA does not initialize: confirm Gold M5, Hedging, at least one enabled engine, unique magic numbers and the exact Journal error.
- No trades: ARMED does not mean a setup exists. Check broker time, weekdays/dates, spread, feed, daily shield, persistent lock, margin, exposure ceilings and decision spacing.
- Smaller volume: check equity/reference, peak drawdown, recovery, caps, stop distance, margin and broker volume normalization.
- Rejected orders: inspect the actual retcode, market hours, spread, tick size, stop/freeze level, margin and filling support before changing buffers.
- Panel PAUSED/LOCKED/CHECK: verify daily or persistent lock, Algo Trading, current ticks and spread. Do not clear a genuine protection state without reviewing the account and event.
- Sovereign inactivity: confirm the profile is enabled, TradeFrequency spacing, H1 history, spread, NFP/Friday controls, pending ownership and whether the breakout level was already crossed.

Final operating checklist

- Correct Gold symbol, M5 chart and sufficient M5/H1 history.
- Hedging mode and both Algo Trading permissions confirmed.
- EA version, EX5 hash and exact input set recorded.
- Magic numbers do not overlap another instance or EA.
- Factory sizing, scaling and margin behaviour checked in Strategy Tester.
- Account-wide close and shared-lock behaviour reviewed for the whole account.
- Broker-time windows, Sydney reset and date-sensitive filters checked.
- Real-tick baseline, engine isolations and fresh-account recent-period evidence retained.
- Demo observation completed and only one intended local/VPS trading instance is active.

Risk notice

ECFX XAU Redline is automated trading software, not financial advice or a guarantee of profit. Leveraged Gold trading can produce rapid losses, gaps, spread expansion, slippage and rejected or partially executed orders. Historical results and Strategy Tester simulations do not predict future performance.

Broker data, execution, contract specification, leverage, commission, swap, server time, platform configuration, VPS continuity and data quality can materially change outcomes. Use the Strategy Tester and a demo account before considering live risk. Select volume and protection appropriate to the account, broker and personal risk tolerance. Trading leveraged products can result in loss of some or all deposited funds.

Official product page: <https://www.mql5.com/en/market/product/191326>

Official video: <https://youtu.be/wRKMUwAkHIs>

Product hub: <https://expertcodefx.com>

ExpertCodeFX

Independent Gold automation tools for MetaTrader 5 and cTrader.