

EXPERTCODEFX

Ecfx Xau Warden R2

cTrader User Manual

Software build 2.010 | Manual edition 1.0 | 1 October 2026



Install, configure, test and monitor the Gold portfolio. Includes a complete input/default reference for this documented build.

Read the sizing and guard chapters before submitting any orders. Defaults are not a recommended risk profile. Historical and demo results do not guarantee future performance.

Documentation and updates: <https://expertcodefx.com/manuals>

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Version check

Confirm the build displayed by the installed product. This manual's reference defaults may differ from an older video, saved preset or later marketplace update. Platform editions have different account, clock, sizing and breaker behaviour.

01 Understand the portfolio

Three engines on one account

Engine A uses price-level breakout profiles with pending orders and strategy-specific exits. Engine B combines a session range breakout and a scheduled entry module; its additional session C module is disabled by default. Engine C combines the Pattern12 portfolio, a trend complement and structure strategies. These are configurable software components, not guaranteed sources of diversification.

Ownership and shared risk

Distinct magic-number ranges identify the positions and orders owned by each engine. All enabled engines still share account balance, equity, available margin and market exposure. An unrelated trade can change the equity used by a guard even when that guard closes only Warden positions. Test on an isolated demo account first.

Choose the right edition

Use only the package and preset for your platform and software version. MT5 .set files and cTrader parameter presets are not interchangeable. A similar product name, chart or historical result does not establish equal execution or performance.

What this manual covers

This manual explains installation, broker checks, sizing and guards, backtesting, daily operation and troubleshooting. The reference appendix lists every exposed input and its factory default in this documented build. Saved presets, marketplace updates and your current settings can differ from those defaults.

02 Install and configure cTrader

Version and package

This edition documents Ecfx Xau Warden R2 for cTrader build 2.010, project version 2.0.10. Use the corresponding .algo package or official Store installation for that build. The manual does not imply that a local package is already published in cTrader Store. Compare the version in startup logs and the panel before using its reference defaults.

Install and create an instance

Open the authorised .algo package in cTrader or install the purchased item using the Store workflow. In cTrader's algo/Automate workspace, find Ecfx Xau Warden R2 and add an instance on the intended broker's Gold symbol and H1 starting layout. Use a hedged demo account. Review parameters, save an edition-specific preset and run a short visual backtest before starting a demo instance.

Account and permissions

The declared cBot access rights are None. The documented engine C requires a hedged account, including backtesting. Execution mode selects tester only, demo only or demo/real plus tester. Do not interpret access-rights None as trading disabled; the cBot can place trades when account mode and runtime permissions allow them.

Map the strategy clock

The cBot runs in UTC but maps MT5-style strategy times using MT5 broker UTC offset (minutes). This fixed offset does not automatically change with daylight saving. A +120 value maps UTC to a strategy clock two hours ahead. Compare session order times to the target broker convention, and update/retest the offset for seasonal periods where required.

Map distances and volume

MT5 point size (0 = symbol digits) controls the strategy point: zero uses 10 to the power of minus symbol digits. MT5 stops level and freeze level retain strategy distance checks. These do not replace native broker execution restrictions. Engine C pip size is a separate positive setting in this build; do not assume it equals cTrader's native pip. Strategy lots are converted through Symbol.QuantityToVolumeInUnits and normalized to broker volume rules.

Shared portfolio breaker

Shared equity breaker defaults true, Peak equity drawdown trigger (%) defaults 20, and New order size multiplier defaults 0.5. The multiplier reduces new-order volume and rounds down to valid units; scaled volume below the minimum is rejected. The breaker observes whole-account equity against the peak since this run started. On breach it latches for the remainder of the run, attempts to cancel owned Warden pending orders and close owned positions on the instance symbol, and retries failures. Execution can overshoot the trigger.

Restart and news limitations

Restarting starts a new run-level breaker reference; it does not restore the previous shared breaker latch as a permanent account limit. Investigate any breach before restarting. MQL5's calendar is unavailable in this port: exact NFP broker timestamps take priority, otherwise an approximate first-Friday fallback is used. Do not assume cTrader and MT5 news blocking are identical.

Run locally until deployment is validated

Keep the tested instance on the intended desktop/VPS environment while validating logs, persistence, timers and execution. Do not assume a cloud instance has identical state, API support or timing merely because the .algo installs. Verify cloud availability and behaviour for the actual marketplace build before relying on it.

03 Broker checks before the first run

Use the intended Gold symbol

Select the broker's actual Gold instrument rather than typing a symbol guessed from another broker. Examples can include XAUUSD, XAUUSDp or GOLD, but availability and contract specifications vary. This is the Gold Warden portfolio; it is not the Warden crypto basket.

Inspect the contract

Record digits, point size, tick size, tick value, lot or contract size, minimum volume, maximum volume, volume step, leverage, margin requirements and trading hours. Record spread, commission and swap. A pip, point and price unit are different concepts. Do not copy distance settings between brokers without checking their units.

Use a hedging account for portfolio separation

A hedging account allows separate positions on one symbol. A netting account combines same-symbol exposure and can change strategy ownership and exits. Use a hedging demo account to evaluate the intended portfolio behaviour. Platform-specific startup handling is explained later.

Start with H1 as a working layout

An H1 chart is a practical starting layout for the multi-timeframe Gold portfolio. Several strategies load their own timeframes internally. The visible chart timeframe does not convert every strategy into H1. Load sufficient historical data for the enabled strategies before assessing missing trades.

04 Engine A settings and behaviour

Strategy selection

TradeFrequency offers conservative through extreme choices, automatic selection and manual selection. Manual mode uses the RunStrat1 through RunStrat9 switches. Do not assume all nine switches determine the active set in every frequency mode. Changing the selection changes the portfolio and its sizing assumptions.

Position size

Risk selects StartLots, per-strategy risk or the maximum-total-drawdown sizing model. StartLots is the fixed starting-lot input. MaxRiskPerStrategy_ and the per-strategy weights affect risk-based sizing. MaxAllowedDD is a sizing reference, not a promised maximum account loss. ManualBalance, UseEquity and OnlyUp change the sizing basis; OnlyUp can retain a prior higher basis after losses.

Drawdown enforcement is separate

EnforceMaxTotalDrawdownGuard is false by default in this documented build. Entering a MaxAllowedDD value alone does not enable its total drawdown stop. PropFirmMaxDailyDD defaults to 0, which disables that daily threshold. TotalDDUsesHighWatermark selects a peak-equity reference when enabled; otherwise the total reference is the initial balance. ClosePositionsAtRiskLock affects the response to a lock.

Pending orders and protective exits

The strategy groups define level timeframes, pivot confirmation, entry offsets, stops, targets, order expiry, position caps and rearm delays. Trailing and break-even parameters can move exits. Virtual_expiration requires the bot to remain running to enforce virtual expiry. If stops are set after entry, there can be a period before protection is attached. Changing offsets, target or adverse-target controls changes the trading strategy.

News and Friday windows

NFP filtering, exact NFP dates, time offsets and pre/post-event windows affect eligibility and optional closures. FridayStopHour 25 disables the Friday entry-stop window. Enabled filters do not provide a complete calendar of all economic events. Confirm the actual broker-time schedule in logs and a visual test.

05 Engine B sessions and position sizing

Session modules are separate from engine letters

PG_InpEnableA and PG_InpEnableB are session modules inside Engine B; they are not the top-level Engine A and Engine B switches. PG_InpEnableC is the extra multi-day breakout/momentum module and defaults to false. The top-level ComboEnablePropGold controls the whole Engine B.

Three sizing modes

PG_InpRiskType is 0 for automatic sizing, 1 for risk percent and 2 for fixed lots. The risk-percent mode requires a positive PG_InpRiskPercent; fixed-lot mode requires positive PG_InpLots. PG_InpRiskLevel is 0 low, 1 medium and 2 high. PG_InpBaseMoneyMode is 0 initial funds, 1 balance and 2 equity; PG_InpCustomBalance can provide a custom basis. Defaults are software defaults, not a recommendation for your account.

Read session times as minutes after midnight

Engine B session inputs use broker-server minutes. For example, 120 means 02:00, 420 means 07:00 and 1080 means 18:00 in the strategy clock. PG_InpSessionShiftMinutes adjusts the schedule. Verify the broker timezone and seasonal offset before copying session settings.

Spread and equity filters

PG_InpSpreadFilter defaults false. The 100-point maximum becomes a spread gate only when that filter is enabled. PG_InpCloseTradesOnEquityDrawdown also defaults false; its 4% threshold does not activate it by itself. PG_InpActivateTester controls additional target/loss test behaviour. Account-wide closing must remain disabled in the combined portfolio.

Repeatable timing variations

PG_InpRandomize enables deterministic variations in time, level, stop and size using PG_InpRandomSeed. Record the seed and variation settings when comparing tests. A changed seed or timing shift is a different configuration even when the product version is unchanged.

06 Engine C models and protection

Enabled model families

Pattern12 uses twelve strategy lanes with separate internal timeframes, exposure caps and exit rules. The trend complement uses range, ATR, EMA and directional conditions. Structure strategies have separate ownership, sizing and trade-management controls. OB_EnableTrading and the family switches determine which components can trade.

Legacy families

OB_EnableLock30xEngine and OB_EnableAurumEngine default false and are rejected when enabled in this documented combined build. They are not supported alternative configurations of this release. Leave inactive compatibility fields and excluded legacy families at their supplied values.

Shared equity guards

OB_SelectDailyEquityLossPct defaults to 1% and OB_SelectMaxEquityDrawdownPct to 6%. These use account equity to gate Engine C; they do not imply that the entire account is capped at either percentage. OB_SelectCloseOnRiskLock controls owned-exposure closure. Pattern12 and the other families also have their own sizing, exposure and risk controls.

Tester and chart behaviour can differ

OB_BacktestBypassPermanentMaxDrawdownLock defaults true. In the tester this bypasses Engine C's permanent shared maximum-drawdown lock. A historical test using that bypass is not evidence of identical risk-lock behaviour on a demo or real chart. Run a comparison with the bypass disabled and record both configurations.

Pattern12 exits and exposure

OB_MaxExposureSlots includes pending and open exposure limits; OB_MaxOpenPositions and OB_MaxSameDirection add separate caps. Break-even and trailing controls use R multiples and volatility settings. Here R refers to the trade's initial risk distance, not a guaranteed money return. Some exits depend on the application continuing to run.

07 A reproducible backtest workflow

First run a short visual check

Begin with a short date range. Confirm that initialization succeeds, the intended engines are enabled, volumes match your calculation, entries occur at the expected strategy clock, stops and targets are accepted, and logs contain no unresolved errors. A successful compile, installed file or displayed panel is not a completed backtest.

Then test representative history

Use data with an appropriate tick model and realistic costs. Include trending, ranging and volatile periods. Save the exact software version, platform build, broker, symbol, timeframe, dates, deposit, account currency, leverage, spread, commission, swap and every input or preset. Save report, trade history and logs after the test finishes.

Test engines separately and together

Create separate A-only, B-only, C-only and combined presets. Compare both balance and equity drawdown, margin usage, exposure, losing sequences, costs, trade count and net result. Combined results cannot be obtained by simply adding separate engine profits because the engines share equity and margin.

Use separate validation dates

Keep dates that were not used to choose inputs. Check less favourable cost assumptions and multiple broker specifications. An attractive visual curve is not a forecast. Avoid selecting a configuration from profit alone.

Forward demo before considering live use

Observe the exact intended settings on a hedging demo account. Check actual order acceptance, timing, stop movement, reconnects and market closures. Compare the demo logs to your backtest. This documentation does not certify broker compatibility, prop-firm eligibility or future performance.

08 Read the panel and operate the bot

Balance and equity

Balance reflects closed-account changes; equity includes floating profit and loss. A profitable balance curve can coexist with substantial floating losses. Drawdown figures depend on the reference used. The panel's observed drawdown is not a broker-enforced loss ceiling.

Engine state and trade counts

Check the state of each engine, owned open positions, pending orders, spread and recent error logs. A panel that says active means the engine is enabled; it does not mean a trade is due. Filters, warmup, cooldowns, market hours and risk locks can all suppress new entries.

Restart carefully

Save the preset before changing parameters. Review existing positions and pending orders before stopping, removing or restarting an instance. Stopping the software does not guarantee that all open positions close. Server-side stops may remain, but virtual expiry, timers and dynamic exits need the application running.

Avoid ownership collisions

Do not run two instances on the same symbol with overlapping magic numbers or labels. Engine A uses ST1_MagicNumber through its nine-strategy range; Engine B uses PG_InpMagicNumber; Engine C reserves OB_MagicBase+1 through +306. Different identifiers reduce collisions but do not separate account equity or margin.

Monitoring checklist

At each review check connection, terminal/bot running state, expected symbol, input version, exposure, margin, current spread, news or session blocks, guard state and failed operations. Save a dated configuration change log. Do not restart a guard merely to force trading to resume without investigating the drawdown.

09 Troubleshooting and support

Initialization rejected

Check account/execution mode, enabled engines, valid panel scale, positive sizing values, non-overlapping identifiers and session consistency. At least one top-level engine must be enabled. Engine B account-wide closing is rejected in the combined bot. Read the first relevant error, not just the final initialization message.

No trades

Check symbol availability, market hours, historical data, engine and family switches, spread/news/session filters, cooldowns, trade/exposure limits, margin, execution permissions and guard locks. A no-trade period can be valid. Do not increase size or disable every safeguard simply to generate activity.

Invalid volume or stops

Inspect the actual symbol's minimum volume, maximum volume, volume step, tick size and stop distance rules. A percentage or lot input can normalize below the broker minimum. Rejected stops or close/delete operations may require waiting for a valid price distance; software retries are not a guarantee of immediate execution.

Results differ from a video

Compare version, preset, dates, broker data, costs, account currency, leverage, volume rules, offsets and drawdown bypasses. The video may show an earlier build. Matching the name or final profit does not establish an equivalent test.

Provide a useful support bundle

Send the platform and bot version, broker and Gold symbol, timeframe, saved preset, exact test dates and costs, report, relevant log lines and a screenshot of the problem. Remove passwords, API keys, account numbers and unrelated personal details. MT5 Market support should use product comments or MQL5 messages.

10 Glossary and test record

Key terms

EA: Expert Advisor for MetaTrader 5. cBot: automated robot for cTrader. Pending order: an instruction that waits for a trigger price. Magic number/label: an ownership identifier. Point: a platform/strategy price increment. Pip: a configured price-distance unit. Drawdown: a decline from a stated reference. High watermark: the greatest observed balance or equity used as a reference.

Record before each test

Software version: _____ Platform build: _____ Broker: _____ Symbol: _____ Account mode: _____ Currency: _____
Deposit: _____ Leverage: _____ Dates: _____ Tick/data model: _____ Spread: _____ Commission: _____
Swap: _____ Preset and seed: _____ Offsets and pip/point sizes: _____

Record after completion

Completion time: _____ Trades: _____ Net result: _____ Balance drawdown: _____ Equity drawdown: _____
Maximum margin/exposure: _____ Errors or rejected operations: _____ Report/history/log locations: _____ Next validation step: _____

Risk disclosure

Automated leveraged Gold trading can produce substantial losses. Multiple concurrent orders and positions can amplify exposure. Gaps, slippage, rejected operations, disconnections and execution delays can exceed software thresholds. Historical simulations and demo results do not guarantee future performance. ExpertCodeFX supplies trading software and documentation; this manual is not personalised financial advice.

Full parameter reference

523 exposed inputs are listed by group. Values are factory defaults for cTrader build 2.010, not your current preset. Keep exact names when asking for support. Empty string defaults are shown as (empty). Inactive fields have no operational effect in the documented build.

00. Portfolio protection

Input / field name	Factory default
Shared equity breaker	true
Peak equity drawdown trigger (%)	20
New order size multiplier	0.5

05. Platform / Strategy mapping

Input / field name	Factory default
MT5 broker UTC offset (minutes)	0
MT5 point size (0 = symbol digits)	0
MT5 stops level (points)	0
MT5 freeze level (points)	0
Trade audit logging	true

01. ECFX / Chart and panel

Input / field name	Factory default
Show statistics panel	true
Apply ECFX chart theme	true
Panel scale	1.0
Panel left margin (px)	0
Panel top margin (px)	0
Show open-position levels	true
Show pending entries	false
Restore chart on stop	true

99. Legacy / Inactive compatibility inputs

Input / field name	Factory default
Export Panel Evidence (inactive)	false
Show Info Panel (inactive)	true
Update Info Testing (inactive)	false
Info Panel Size Adjust (inactive)	1.0
Set Font Size (inactive)	0
Backtest Speed (inactive)	1
Close Deviation Points (inactive)	50

Input / field name	Factory default
Enable Info Panel (inactive)	false
Panel Scale (inactive)	1.0
Require Hedging Account (inactive)	true
Enable Debug Logs (inactive)	false
TC Require Last Bar Body Alignment (inactive)	false
TC Deviation Points (inactive)	30
Sovereign Magic Number Reference (inactive)	25100
Sovereign Remove Comment Suffix (inactive)	false
Sovereign Enable NFP Filter (inactive)	true
Sovereign Run1 (inactive)	false
Sovereign Run5 (inactive)	false
Sovereign Run6 (inactive)	false
Sovereign Run7 (inactive)	false
Sovereign Run8 (inactive)	false
Sovereign Run9 (inactive)	false
Instance Tag (inactive)	ECFX_WR2_C_A12

02. ECFX / Watermark

Input / field name	Factory default
Show ECFX watermark	true
Watermark opacity (%)	7
Watermark size (%)	65

03. ECFX / Execution

Input / field name	Factory default
Execution mode	WARDEN_DEMO_AND_REAL

04. ECFX / Engines

Input / field name	Factory default
Enable Engine A - Warden	true
Enable Engine B - Sessions	true
Enable Engine C - Portfolio	true

Engine A / 01. GENERAL / VARIABLE VALUES

Input / field name	Factory default
Use Variable Values	true
Adjust Lot size To Variable Values	true

Engine A / 03. TRADING SETTINGS

Input / field name	Factory default
Allow Buy Trades	true
Allow Sell Trades	true
Trade Frequency	WARDEN_AUTO
Maximum spread (points)	500.0
Use HL Trailing SL	true
Friday stop hour (25 = off)	25
Friday Close Pending	true
Friday Close Open	true
set SL TP After Entry	false
Virtual expiration	true
Randomization	0.0
Fake Out Filter	WARDEN_FAKEOUT_MEDIUM
Strategy 1 magic number	927000
Trade comment prefix	ECFX WR2 A
Remove Comment Suffix	false

Engine A / 04. NFP FILTER

Input / field name	Factory default
Enable NFP Filter	true
Calendar preference (fallback used)	true
Auto GMT	true
Broker GMT OFFSET Winter	2
Broker GMT OFFSET Summer	3
NFP Close Open Trades	true
NFP Close Pending Orders	true
NFP Minutes Before	100
NFP Minutes After	60

Engine A / 05. PROP-FIRM UNIQUE TRADE SETTINGS

Input / field name	Factory default
Adjust Entry	0.0
Adjust SL	0.0
Adjust TP	0.0
Adjust Trail SL	0.0
Adjust Trail TP	0.0
Adjust Break Even	0.0

Engine A / 06. LOT SIZE SETTINGS

Input / field name	Factory default
Manual Balance	0.0
Lot sizing method	WARDEN_MAX_ALLOWED_TOTAL_DD
Start Lots	0.01
Drawdown sizing reference (%)	27.0
Use Weighted Lots	true
Max Risk Per Strategyegy	1.0
Daily drawdown limit (%; 0 = off)	0.0
Only Up	false
Reset Highest Balance	false
Check Margin	true
Use Equity	false

Engine A / 07. MANUAL STRATEGY SELECTION

Input / field name	Factory default
Run Strategy1	true
Run Strategy2	true
Run Strategy3	true
Run Strategy4	true
Run Strategy5	true
Run Strategy6	true
Run Strategy7	true
Run Strategy8	true
Run Strategy9	true

Engine A / 08. WARDEN RESEARCH CONTROLS

Input / field name	Factory default
Previous Daily Open Scaling	true
Observed Refresh Cadence	true
One New Level Per Direction	true
Use Measured Entry Offsets	true
Use Approximate Fakeout Exit	false
Use S1 Regime Filter	false
Exact NFP dates (broker time)	(empty)
Run Core Self Tests	false

Engine A / 09. PORTFOLIO AND ORDER BANK

Input / field name	Factory default
Reference Gold Price	4000.0
Variable Scale Minimum	0.35
Variable Scale Maximum	3.00
Max Open Positions Total	16
Max Open Positions Per Strategy	0
Max Pending Orders Total	32
Order Refresh Seconds	30
Reprice Threshold At Reference	0.25
Reprice Existing Pending	false
Min Pending Age Before Reprice Min	30
Use Dynamic Trailing TP	true
Cancel Opposite On Entry	false
Enforce total drawdown guard	false
Total DD Uses High Watermark	false
Close Positions At Risk Lock	true
Daily Reset Hour Broker	0
Print Detailed Diagnostics	false

Engine A / MEASURED ENTRY OFFSETS AT GOLD 4000

Input / field name	Factory default
S1 Buy Entry Offset	-5.5000000000
S1 Sell Entry Offset	-3.2000000000
S2 Buy Entry Offset	-3.4000000000
S2 Sell Entry Offset	-1.4000000000
S3 Buy Entry Offset	-2.6000000000
S3 Sell Entry Offset	-2.4000000000
S4 Buy Entry Offset	-1.0000000000
S4 Sell Entry Offset	-2.5000000000
S5 Buy Entry Offset	-1.8461538462
S5 Sell Entry Offset	-1.6923076923
S6 Buy Entry Offset	-1.9166666667
S6 Sell Entry Offset	-2.4166666667
S7 Buy Entry Offset	-0.1538461538
S7 Sell Entry Offset	-2.2307692308
S8 Buy Entry Offset	-2.0000000000
S8 Sell Entry Offset	-2.4285714286

Engine A / PROFIT LOCK AND ADVERSE TARGET CONTROLS

Input / field name	Factory default
S1 BE Trigger	20.0000000000
S1 BE Lock	2.4000000000
S2 BE Trigger	12.0000000000
S2 BE Lock	2.0000000000
S3 BE Trigger	8.0000000000
S3 BE Lock	0.0000000000
S4 BE Trigger	14.0000000000
S4 BE Lock	5.0000000000
S5 BE Trigger	4.6153846154
S5 BE Lock	1.2307692308
S6 BE Trigger	6.0000000000
S6 BE Lock	1.3333333333
S7 BE Trigger	6.1538461538
S7 BE Lock	0.4615384615
S8 BE Trigger	4.2857142857
S8 BE Lock	0.0000000000
S1 Adverse TP Trigger	36.0
S1 Adverse TP Distance	14.5
S5 Adverse TP Trigger	28.0
S5 Adverse TP Distance	4.6153846154
S6 Adverse TP Trigger	32.0
S6 Adverse TP Distance	6.6666666667

Engine A / 09. ENGINE 1 - MAJOR REGIME BREAKOUT

Input / field name	Factory default
S1 Lookback Bars	2000
S1 Entry Buffer	0.20
S1 Stop Distance	122.00
S1 Target Distance	29.00
S1 Expiry Hours	35
S1 Risk Weight At DD30	5.45
S1 Level Timeframe	PERIOD_D1
S1 Pivot Left	24
S1 Pivot Right	3
S1 Max Pending	4
S1 Max Open	5
S1 Min Level Spacing	1.50
S1 Min Market Gap	0.50

Input / field name	Factory default
S1 Rearm Minutes	240
S1 Trail Timeframe	PERIOD_M15
S1 Trail Bars	3
S1 Trail Buffer	0.45
S1 Fakeout Timeframe	PERIOD_H1
S1 Fakeout Max Age Min	720

Engine A / 10. ENGINE 2 - LONG-HORIZON BREAKOUT

Input / field name	Factory default
S2 Lookback Bars	2000
S2 Entry Buffer	2.10
S2 Stop Distance	20.00
S2 Target Distance	82.00
S2 Expiry Hours	480
S2 Risk Weight At DD30	0.895
S2 Level Timeframe	PERIOD_H4
S2 Pivot Left	96
S2 Pivot Right	16
S2 Max Pending	3
S2 Max Open	3
S2 Min Level Spacing	4.00
S2 Min Market Gap	1.00
S2 Rearm Minutes	720
S2 Trail Timeframe	PERIOD_M15
S2 Trail Bars	3
S2 Trail Buffer	0.35
S2 Fakeout Timeframe	PERIOD_H1
S2 Fakeout Max Age Min	1440

Engine A / 11. ENGINE 3 - ASYMMETRIC TREND BREAKOUT

Input / field name	Factory default
S3 Lookback Bars	2000
S3 Entry Buffer	2.90
S3 Stop Distance	14.00
S3 Target Distance	66.00
S3 Expiry Hours	432
S3 Risk Weight At DD30	1.074
S3 Level Timeframe	PERIOD_H4

Input / field name	Factory default
S3 Pivot Left	40
S3 Pivot Right	12
S3 Max Pending	3
S3 Max Open	2
S3 Min Level Spacing	1.00
S3 Min Market Gap	0.50
S3 Rearm Minutes	360
S3 Trail Timeframe	PERIOD_M15
S3 Trail Bars	3
S3 Trail Buffer	0.30
S3 Fakeout Timeframe	PERIOD_H1
S3 Fakeout Max Age Min	960

Engine A / 12. ENGINE 4 - H4 SWING BREAKOUT

Input / field name	Factory default
S4 Lookback Bars	2000
S4 Entry Buffer	4.50
S4 Stop Distance	20.00
S4 Target Distance	122.50
S4 Expiry Hours	192
S4 Risk Weight At DD30	1.44725
S4 Level Timeframe	PERIOD_H4
S4 Pivot Left	12
S4 Pivot Right	8
S4 Max Pending	5
S4 Max Open	2
S4 Min Level Spacing	0.75
S4 Min Market Gap	0.40
S4 Rearm Minutes	120
S4 Trail Timeframe	PERIOD_M30
S4 Trail Bars	3
S4 Trail Buffer	0.45
S4 Fakeout Timeframe	PERIOD_M30
S4 Fakeout Max Age Min	720

Engine A / 13. ENGINE 5 - H1 RAPID BREAKOUT

Input / field name	Factory default
S5 Lookback Bars	2000

Input / field name	Factory default
S5 Entry Buffer	1.20
S5 Stop Distance	81.5384615385
S5 Target Distance	13.8461538462
S5 Expiry Hours	30
S5 Risk Weight At DD30	2.5880000000
S5 Level Timeframe	PERIOD_H1
S5 Pivot Left	30
S5 Pivot Right	16
S5 Max Pending	5
S5 Max Open	5
S5 Min Level Spacing	0.25
S5 Min Market Gap	0.20
S5 Rearm Minutes	0
S5 Trail Timeframe	PERIOD_M1
S5 Trail Bars	3
S5 Trail Buffer	0.20
S5 Fakeout Timeframe	PERIOD_M15
S5 Fakeout Max Age Min	180

Engine A / 14. ENGINE 6 - H1 VELOCITY BREAKOUT

Input / field name	Factory default
S6 Lookback Bars	2000
S6 Entry Buffer	1.00
S6 Stop Distance	168.3333333333
S6 Target Distance	13.3333333333
S6 Expiry Hours	20
S6 Risk Weight At DD30	3.8800000000
S6 Level Timeframe	PERIOD_H1
S6 Pivot Left	24
S6 Pivot Right	24
S6 Max Pending	4
S6 Max Open	5
S6 Min Level Spacing	0.20
S6 Min Market Gap	0.20
S6 Rearm Minutes	0
S6 Trail Timeframe	PERIOD_M1
S6 Trail Bars	3
S6 Trail Buffer	0.20

Input / field name	Factory default
S6 Fakeout Timeframe	PERIOD_M15
S6 Fakeout Max Age Min	180

Engine A / 15. ENGINE 7 - H1 STRUCTURE BREAKOUT

Input / field name	Factory default
S7 Lookback Bars	2000
S7 Entry Buffer	2.80
S7 Stop Distance	34.6153846154
S7 Target Distance	22.3076923077
S7 Expiry Hours	60
S7 Risk Weight At DD30	0.6715
S7 Level Timeframe	PERIOD_H1
S7 Pivot Left	24
S7 Pivot Right	16
S7 Max Pending	7
S7 Max Open	4
S7 Min Level Spacing	0.20
S7 Min Market Gap	0.20
S7 Rearm Minutes	0
S7 Trail Timeframe	PERIOD_M5
S7 Trail Bars	3
S7 Trail Buffer	0.28
S7 Fakeout Timeframe	PERIOD_M15
S7 Fakeout Max Age Min	360

Engine A / 16. ENGINE 8 - FAST MULTI-LEVEL BREAKOUT

Input / field name	Factory default
S8 Lookback Bars	2000
S8 Entry Buffer	1.00
S8 Stop Distance	27.1428571429
S8 Target Distance	17.1428571429
S8 Expiry Hours	55
S8 Risk Weight At DD30	0.7870000000
S8 Level Timeframe	PERIOD_H1
S8 Pivot Left	24
S8 Pivot Right	16
S8 Max Pending	6
S8 Max Open	5

Input / field name	Factory default
S8 Min Level Spacing	0.08
S8 Min Market Gap	0.10
S8 Rearm Minutes	0
S8 Trail Timeframe	PERIOD_M1
S8 Trail Bars	3
S8 Trail Buffer	0.22
S8 Fakeout Timeframe	PERIOD_M15
S8 Fakeout Max Age Min	180

Engine A / 17. ENGINE 9 - OPTIONAL HIGH-ACTIVITY ENGINE

Input / field name	Factory default
S9 Lookback Bars	960
S9 Entry Buffer	1.60
S9 Stop Distance	24.00
S9 Target Distance	36.00
S9 Expiry Hours	12
S9 Risk Weight At DD30	1.500
S9 Level Timeframe	PERIOD_M15
S9 Pivot Left	6
S9 Pivot Right	2
S9 Max Pending	6
S9 Max Open	4
S9 Min Level Spacing	0.05
S9 Min Market Gap	0.10
S9 Rearm Minutes	5
S9 Trail Timeframe	PERIOD_M1
S9 Trail Bars	2
S9 Trail Buffer	0.18
S9 Fakeout Timeframe	PERIOD_M1
S9 Fakeout Max Age Min	120
S9 Enable In Auto Mode	false

Engine B / General

Input / field name	Factory default
Trade comment prefix (max 24 chars)	ECFX WR2 B
Magic Number	9262601

Engine B / Risk modes

Input / field name	Factory default
Base Money Mode	1
Custom Balance	0
Risk Type	0
Risk Level	0
Risk (%)	0.0
Lots	0.0

Engine B / Spread filter

Input / field name	Factory default
Spread Filter	false
Max Spread Points	100

Engine B / Equity controls

Input / field name	Factory default
Close Trades On Equity Drawdown	false
Max Equity Drawdown	4.0
First Trade Delay	0
Close All Account Positions	false
Allow Only One Position	false
Activate Tester	false
Profit Target	15
Max Loss	10

Engine B / Sessions (broker time)

Input / field name	Factory default
Enable A	true
Enable B	true
Enable C	false
Session Shift Minutes	0
Range Start Minute	120
Range End Minute	420
A Start Minute	421
Last Entry Minute	1080
Previous Body Max (%)	0.75
B Entry Minute	65
B Hold Minutes	511
Day Exit Minute	1106
Close B On Sell Signal	true

Input / field name	Factory default
C Lookback Days	3
C Start Minute	180
C Momentum Minutes	60
C Momentum (%)	0.30
A Stop (%)	1.0
B Stop (%)	1.5
C Stop (%)	0.5

Engine B / Repeatable timing variation

Input / field name	Factory default
Randomize	true
Random Seed	92626
Time Jitter Minutes	5
Level Jitter (%)	0.03
Stop Jitter (%)	3.0
Size Jitter (%)	3.0
Deviation Points	30

Engine C / Platform mapping

Input / field name	Factory default
Magic Base	53060000
Engine C pip size (price units)	0.01
Broker UTC Offset Minutes	0
Auto Live UTC Offset	true
Slippage Points	30

Engine C / 00. XAU 25 Engine Ownership

Input / field name	Factory default
Legacy Lock30x (must stay off)	false
Legacy Aurum (must stay off)	false
Require Gold Symbol	true

Engine C / 00. Engine Ownership

Input / field name	Factory default
Enable Aurum Twelve12 Engine	true

Engine C / 03. Runtime And Diagnostics

Input / field name	Factory default
Enable Trading	true
Cancel Owned Pending Orders On Stop	true
Engine Timer Seconds	1

Engine C / 03B. XAU 25 Portfolio Risk

Input / field name	Factory default
Select Daily Equity Loss (%)	1.00
Select Max Equity Drawdown (%)	6.0
Backtest Bypass Permanent Max Drawdown Lock	true
Select Close On Risk Lock	true

Engine C / 04. Broker Protection

Input / field name	Factory default
Stop Modify Safety Ticks	2.0

Engine C / 08G. Isolated Trend Complement - Core

Input / field name	Factory default
TC Enable Trading	true
TC Base Label Id	251901
TC Signal Timeframe	PERIOD_H1
TC Range Lookback Bars	6
TCATR Period	14
TC Fast EMA Period	20
TC Slow EMA Period	80
TCA1 Buy Offset ATR	0.05
TCA1 Sell Offset ATR	0.05
TCA2 Buy Offset ATR	0.05
TCA2 Sell Offset ATR	0.05
TCA3 Buy Offset ATR	0.05
TCA3 Sell Offset ATR	0.05
TCB1 Buy Offset ATR	0.10
TCB1 Sell Offset ATR	0.10
TCB2 Buy Offset ATR	0.10
TCB2 Sell Offset ATR	0.10
TCB3 Buy Offset ATR	0.10
TCB3 Sell Offset ATR	0.10
TC Enable Buys	true
TC Enable Sells	true

Input / field name	Factory default
TC De Duplicate Overlap	false
TC Min Zone Separation ATR	0.10
TC Require Rising Ema For Buys	false

Engine C / 08H. Isolated Trend Complement - Exits

Input / field name	Factory default
TC Initial Stop ATR	1.50
TC Emergency Target ATR	6.00
TC Enable Break Even	true
TC Break Even Trigger ATR	0.75
TC Break Even Lock ATR	0.10
TC Enable Trailing	true
TC Trail Start ATR	1.00
TC Trail Distance ATR	0.75
TC Minimum Trail Step Points	50
TC Max Hold Minutes	1440

Engine C / 08I. Isolated Trend Complement - Risk

Input / field name	Factory default
TC Risk Per Zone (%)	0.20
TC48 Allocation Multiplier	1.00
TC72 Allocation Multiplier	1.00
TC Virtual Starting Balance	50000.0
TC Maximum Lots Per Zone	1.00
TC Maximum Open Positions	2
TC Margin Usage Cap (%)	5.0
TC Maximum Entries Per Day	12
TC Maximum Daily Equity Loss (%)	1.0
TC Enable Profit Compounding	false
TC Max Compound Multiplier	1.20
TC Enable Equity Drawdown Brake	true
TC Drawdown Brake1 (%)	3.0
TC Drawdown Brake1 Multiplier	0.50
TC Drawdown Brake2 (%)	5.0
TC Drawdown Brake2 Multiplier	0.25

Engine C / 08J. Isolated Trend Complement - Execution

Input / field name	Factory default
TC First Broker Hour	1
TC Last Broker Hour	22
TC Server Hour Offset	0
TC Enable Entry Hour Quality Gate	true
TC Blocked Entry Hour1	4
TC Blocked Entry Hour2	9
TC Blocked Entry Hour3	15
TC Pending Expiry Minutes	360
TC Maximum Spread Points	100

Engine C / 19. Sovereign Ownership

Input / field name	Factory default
Enable Sovereign Engine	true

Engine C / 19A. Sovereign Execution

Input / field name	Factory default
Sovereign Allow Buys	true
Sovereign Allow Sells	true
Sovereign Trade Frequency	5
Sovereign Max Spread Points	500.0
Friday stop hour (25 = off)	25
Sovereign Friday Close Pending	true
Sovereign Friday Close Open	true
Sovereign Virtual Expiration	true

Engine C / 19B. Sovereign Identity

Input / field name	Factory default
Trade comment prefix	ECFX WR2 C

Engine C / 19C. Sovereign Compatibility

Input / field name	Factory default
Sovereign Adjust Entry	0.0
Sovereign Adjust Stop Loss	0.0
Sovereign Adjust Take Profit	0.0

Engine C / 19D. Sovereign Risk

Input / field name	Factory default
Sovereign Manual Balance	0.0

Input / field name	Factory default
Sovereign Start Lots	0.0
Sovereign Max Allowed Drawdown (%)	6.0
Sovereign Use Weighted Lots	true
Sovereign Max Risk Per Strategy (%)	0.20
Sovereign Maximum Lots	1.0
Sovereign Margin Usage Cap (%)	5.0
Sovereign Only Up	true
Sovereign Reset Highest Balance	false
Sovereign Check Margin	true
Sovereign Use Equity	false

Engine C / 19E. Sovereign Strategies

Input / field name	Factory default
Sovereign Run2	true
Sovereign Run3	true
Sovereign Run4	true

Engine C / 20A. AurumTwelve12 Portfolio

Input / field name	Factory default
Fixed Lots	0.01
Use Balance Lot Scaling	true
Lot Reference Balance	50000
Profit Per Lot Step	750
Lot Increase Per Step	0.01
Maximum Scaled Lots	0.10
Max Exposure Slots	3
Max Open Positions	3
Max Same Direction	2
Max Trades Per Day	12

Engine C / 20B. AurumTwelve12 Risk

Input / field name	Factory default
Daily Loss Lock (%)	2.7
Hard Equity Drawdown (%)	7.5

Engine C / A12 strategy settings

Input / field name	Factory default
Entry Buffer Pips	8.0

Input / field name	Factory default
Max Spread Pips	45.0
Default Order Expiry Minutes	240
Strategyegy Cooldown Minutes	30
Allow Buys	true
Allow Sells	true
Use Validated Lanes	true
Sydney Reset Hour	8
Close Positions On Lock	true
Cancel Orders On Lock	true
Break Even At R	0.9
Break Even Lock R	0.08
Trail Start At R	1.35
Trail ATR Multiple	0.85
Use Session Filter	false
Session Start UTC	0
Session End UTC	23
Friday Block After UTC	20
Enable S01	true
Enable S02	true
Enable S03	true
Enable S04	true
Enable S05	true
Enable S06	true
Enable S07	true
Enable S08	true
Enable S09	true
Enable S10	true
Enable S11	true
Enable S12	true