

Ecfx Xau Warden R2

MT5 User Manual

Software build 2.020 | 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 MT5

Version and marketplace name

This edition documents the MT5 source version 2.020, shown as version 2.20 on MQL5. The MQL5 listing is Ecfx Xau Sentinel, the listing name for the Ecfx Xau Warden R2 project. Check the installed product version before loading a preset. Older Warden and Obsidian packages are separate builds.

Install the Market edition

In the intended desktop MT5 terminal, sign in to the MQL5 account that owns the product. Open the Market purchase/download area and install Ecfx Xau Sentinel. Use the official product page for licensing and updates. The free Market demo operates in Strategy Tester; it is not a free live-chart licence. Keep the marketplace licence inside the supported terminal workflow.

Install an authorised standalone file

For an authorised standalone EX5 supplied directly by ExpertCodeFX, use File > Open Data Folder, copy the EX5 into MQL5/Experts, then refresh Navigator or restart MT5. Use the active terminal's data folder, especially with multiple installations or Wine on Mac. Do not distribute MQ5 source files. Artwork is embedded in the documented build.

Configure a demo chart

Choose a hedging demo account and the broker's actual Gold symbol. Attach the EA to an H1 chart as a starting layout, review Inputs and save a named .set preset. ComboExecutionMode offers Strategy Tester only, demo only, or demo/real charts plus tester. The factory mode permits demo and real charts; deliberately choose demo only for initial forward checks. Enable MT5 and EA trading permissions only when you intend that chart to submit orders.

Point, pip and UTC settings

MT5 point size comes from the current symbol. Engine C's OB_CTraderPipSize=0 derives a pip from digits: ten points for three/five digits, otherwise one point; a positive value overrides it. OB_BrokerUtcOffsetMinutes is server minus UTC in minutes. Tester runs always use the explicit offset, while OB_AutoLiveUtcOffset can derive the live-chart offset. Engine A has its own GMT/NFP inputs. Verify each family's clock rather than assuming one offset covers everything.

Historical news dates

Engine A uses an approximate first-Friday NFP schedule in Strategy Tester unless exact NFPBrokerTimes are supplied. Enter exact broker timestamps separated by semicolons for reproducible historical event blocking. Calendar availability in a running terminal does not establish exact historical tester filtering.

Account mode and state

The documented MT5 source warns on netting rather than rejecting every netting account. Hedging is the operating recommendation for independent positions. The website or marketplace may state a stronger requirement. Match the installed release and use hedging for validation. Some strategy risk state is saved; changing identifiers or resetting a sizing reference can change restart behaviour.

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

521 exposed inputs are listed by group. Values are factory defaults for MT5 build 2.020, 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.

01 / CORNER LOGO AND ACCOUNT PROGRESS

Input / field name	Factory default
WardenShowCornerPanel	true
WardenCornerTopRight	true
WardenCornerMargin	14
WardenCornerScale	1.0
WardenCleanTesterPriceLines	true

02 / SESSION POSITION SIZES

Input / field name	Factory default
WardenSessionASize	1.0
WardenSessionBSize	1.0
WardenSessionCSize	1.0

03 / MAIN PANEL AND CHART STYLE

Input / field name	Factory default
ComboShowStats	true
ComboApplyChartTheme	true
ComboPanelScale	1.0
ComboPanelX	14
ComboPanelY	32
ComboShowTradeLevels	false
ComboRestoreChartOnExit	true
ComboExportPanelEvidence	false

04 / OPTIONAL BACKGROUND WATERMARK

Input / field name	Factory default
ComboShowWatermark	false
ComboWatermarkOpacityPercent	7
ComboWatermarkSizePercent	65

05 / ACCOUNT AND EXECUTION MODE

Input / field name	Factory default
ComboExecutionMode	WARDEN_DEMO_AND_REAL

06 / ENABLE TRADING ENGINES

Input / field name	Factory default
ComboEnableWarden	true
ComboEnablePropGold	true
ComboEnableObsidian	true

ENGINE A / 01. GENERAL / VARIABLE VALUES

Input / field name	Factory default
UseVariableValues	true
AdjustLotsizeToVariableValues	true
ShowInfoPanel	true
UpdateInfoTesting	false

ENGINE A / 03. TRADING SETTINGS

Input / field name	Factory default
AllowBuyTrades	true
AllowSellTrades	true
TradeFrequency	WARDEN_AUTO
MaxSpread	500.0
UseHL_TrailingSL	true
FridayStopHour	25
FridayClosePending	true
FridayCloseOpen	true
setSL_TP_After_Entry	false
Virtual_expiration	true
Randomization	0.0
FakeOutFilter	WARDEN_FAKEOUT_MEDIUM
ST1_MagicNumber	927000
ST1_Comment	"ECFX WR2 A"
RemoveCommentSuffix	false

ENGINE A / 04. NFP FILTER

Input / field name	Factory default
EnableNFP_Filter	true
UseMQL5Calendar	true
AutoGMT	true
Broker_GMT_OFFSET_Winter	2
Broker_GMT_OFFSET_Summer	3
NFP_CloseOpenTrades	true

Input / field name	Factory default
NFP_ClosePendingOrders	true
NFP_MinutesBefore	100
NFP_MinutesAfter	60

ENGINE A / 05. PROP-FIRM UNIQUE TRADE SETTINGS

Input / field name	Factory default
AdjustEntry	0.0
AdjustSL	0.0
AdjustTP	0.0
AdjustTrailSL	0.0
AdjustTrailTP	0.0
AdjustBreakEven	0.0

ENGINE A / 06. LOT SIZE SETTINGS

Input / field name	Factory default
ManualBalance	0.0
Risk	WARDEN_MAX_ALLOWED_TOTAL_DD
StartLots	0.01
MaxAllowedDD	27.0
UseWeightedLots	true
MaxRiskPerStrategy_	1.0
PropFirmMaxDailyDD	0.0
OnlyUp	false
ResetHighestBalance	false
CheckMargin	true
UseEquity	false

ENGINE A / 07. MANUAL STRATEGY SELECTION

Input / field name	Factory default
RunStrat1	true
RunStrat2	true
RunStrat3	true
RunStrat4	true
RunStrat5	true
RunStrat6	true
RunStrat7	true
RunStrat8	true
RunStrat9	true

ENGINE A / 08. Advanced signal controls

Input / field name	Factory default
PreviousDailyOpenScaling	true
ObservedRefreshCadence	true
OneNewLevelPerDirection	true
UseMeasuredEntryOffsets	true
UseApproximateFakeoutExit	false
UseS1RegimeFilter	false
NFPBrokerTimes	(empty)
RunCoreSelfTests	false

ENGINE A / 09. PORTFOLIO AND ORDER BANK

Input / field name	Factory default
ReferenceGoldPrice	4000.0
VariableScaleMinimum	0.35
VariableScaleMaximum	3.00
MaxOpenPositionsTotal	16
MaxOpenPositionsPerStrategy	0
MaxPendingOrdersTotal	32
OrderRefreshSeconds	30
RepriceThresholdAtReference	0.25
RepriceExistingPending	false
MinPendingAgeBeforeRepriceMin	30
CloseDeviationPoints	50
UseDynamicTrailingTP	true
CancelOppositeOnEntry	false
EnforceMaxTotalDrawdownGuard	false
TotalDDUsesHighWatermark	false
ClosePositionsAtRiskLock	true
DailyResetHourBroker	0
PrintDetailedDiagnostics	false

ENGINE A / MEASURED ENTRY OFFSETS AT GOLD 4000

Input / field name	Factory default
S1_BuyEntryOffset	-5.5000000000
S1_SellEntryOffset	-3.2000000000
S2_BuyEntryOffset	-3.4000000000
S2_SellEntryOffset	-1.4000000000

Input / field name	Factory default
S3_BuyEntryOffset	-2.6000000000
S3_SellEntryOffset	-2.4000000000
S4_BuyEntryOffset	-1.0000000000
S4_SellEntryOffset	-2.5000000000
S5_BuyEntryOffset	-1.8461538462
S5_SellEntryOffset	-1.6923076923
S6_BuyEntryOffset	-1.9166666667
S6_SellEntryOffset	-2.4166666667
S7_BuyEntryOffset	-0.1538461538
S7_SellEntryOffset	-2.2307692308
S8_BuyEntryOffset	-2.0000000000
S8_SellEntryOffset	-2.4285714286

ENGINE A / PROFIT LOCK AND ADVERSE TARGET CONTROLS

Input / field name	Factory default
S1_BETrigger	20.0000000000
S1_BELOCK	2.4000000000
S2_BETrigger	12.0000000000
S2_BELOCK	2.0000000000
S3_BETrigger	8.0000000000
S3_BELOCK	0.0000000000
S4_BETrigger	14.0000000000
S4_BELOCK	5.0000000000
S5_BETrigger	4.6153846154
S5_BELOCK	1.2307692308
S6_BETrigger	6.0000000000
S6_BELOCK	1.3333333333
S7_BETrigger	6.1538461538
S7_BELOCK	0.4615384615
S8_BETrigger	4.2857142857
S8_BELOCK	0.0000000000
S1_AdverseTPTrigger	36.0
S1_AdverseTPDistance	14.5
S5_AdverseTPTrigger	28.0
S5_AdverseTPDistance	4.6153846154
S6_AdverseTPTrigger	32.0
S6_AdverseTPDistance	6.6666666667

ENGINE A / 10. STRATEGY 1 - MAJOR REGIME BREAKOUT

Input / field name	Factory default
S1_LookbackBars	2000
S1_EntryBuffer	0.20
S1_StopDistance	122.00
S1_TargetDistance	29.00
S1_ExpiryHours	35
S1_RiskWeightAtDD30	5.45
S1_LevelTimeframe	PERIOD_D1
S1_PivotLeft	24
S1_PivotRight	3
S1_MaxPending	4
S1_MaxOpen	5
S1_MinLevelSpacing	1.50
S1_MinMarketGap	0.50
S1_RearmMinutes	240
S1_TrailTimeframe	PERIOD_M15
S1_TrailBars	3
S1_TrailBuffer	0.45
S1_FakeoutTimeframe	PERIOD_H1
S1_FakeoutMaxAgeMin	720

ENGINE A / 11. STRATEGY 2 - LONG-HORIZON BREAKOUT

Input / field name	Factory default
S2_LookbackBars	2000
S2_EntryBuffer	2.10
S2_StopDistance	20.00
S2_TargetDistance	82.00
S2_ExpiryHours	480
S2_RiskWeightAtDD30	0.895
S2_LevelTimeframe	PERIOD_H4
S2_PivotLeft	96
S2_PivotRight	16
S2_MaxPending	3
S2_MaxOpen	3
S2_MinLevelSpacing	4.00
S2_MinMarketGap	1.00
S2_RearmMinutes	720
S2_TrailTimeframe	PERIOD_M15

Input / field name	Factory default
S2_TrailBars	3
S2_TrailBuffer	0.35
S2_FakeoutTimeframe	PERIOD_H1
S2_FakeoutMaxAgeMin	1440

ENGINE A / 12. STRATEGY 3 - ASYMMETRIC TREND BREAKOUT

Input / field name	Factory default
S3_LookbackBars	2000
S3_EntryBuffer	2.90
S3_StopDistance	14.00
S3_TargetDistance	66.00
S3_ExpiryHours	432
S3_RiskWeightAtDD30	1.074
S3_LevelTimeframe	PERIOD_H4
S3_PivotLeft	40
S3_PivotRight	12
S3_MaxPending	3
S3_MaxOpen	2
S3_MinLevelSpacing	1.00
S3_MinMarketGap	0.50
S3_RearmMinutes	360
S3_TrailTimeframe	PERIOD_M15
S3_TrailBars	3
S3_TrailBuffer	0.30
S3_FakeoutTimeframe	PERIOD_H1
S3_FakeoutMaxAgeMin	960

ENGINE A / 13. STRATEGY 4 - H4 SWING BREAKOUT

Input / field name	Factory default
S4_LookbackBars	2000
S4_EntryBuffer	4.50
S4_StopDistance	20.00
S4_TargetDistance	122.50
S4_ExpiryHours	192
S4_RiskWeightAtDD30	1.44725
S4_LevelTimeframe	PERIOD_H4
S4_PivotLeft	12
S4_PivotRight	8

Input / field name	Factory default
S4_MaxPending	5
S4_MaxOpen	2
S4_MinLevelSpacing	0.75
S4_MinMarketGap	0.40
S4_RearmMinutes	120
S4_TrailTimeframe	PERIOD_M30
S4_TrailBars	3
S4_TrailBuffer	0.45
S4_FakeoutTimeframe	PERIOD_M30
S4_FakeoutMaxAgeMin	720

ENGINE A / 14. STRATEGY 5 - H1 RAPID BREAKOUT

Input / field name	Factory default
S5_LookbackBars	2000
S5_EntryBuffer	1.20
S5_StopDistance	81.5384615385
S5_TargetDistance	13.8461538462
S5_ExpiryHours	30
S5_RiskWeightAtDD30	2.5880000000
S5_LevelTimeframe	PERIOD_H1
S5_PivotLeft	30
S5_PivotRight	16
S5_MaxPending	5
S5_MaxOpen	5
S5_MinLevelSpacing	0.25
S5_MinMarketGap	0.20
S5_RearmMinutes	0
S5_TrailTimeframe	PERIOD_M1
S5_TrailBars	3
S5_TrailBuffer	0.20
S5_FakeoutTimeframe	PERIOD_M15
S5_FakeoutMaxAgeMin	180

ENGINE A / 15. STRATEGY 6 - H1 VELOCITY BREAKOUT

Input / field name	Factory default
S6_LookbackBars	2000
S6_EntryBuffer	1.00
S6_StopDistance	168.3333333333

Input / field name	Factory default
S6_TargetDistance	13.3333333333
S6_ExpiryHours	20
S6_RiskWeightAtDD30	3.8800000000
S6_LevelTimeframe	PERIOD_H1
S6_PivotLeft	24
S6_PivotRight	24
S6_MaxPending	4
S6_MaxOpen	5
S6_MinLevelSpacing	0.20
S6_MinMarketGap	0.20
S6_RearmMinutes	0
S6_TrailTimeframe	PERIOD_M1
S6_TrailBars	3
S6_TrailBuffer	0.20
S6_FakeoutTimeframe	PERIOD_M15
S6_FakeoutMaxAgeMin	180

ENGINE A / 16. STRATEGY 7 - H1 STRUCTURE BREAKOUT

Input / field name	Factory default
S7_LookbackBars	2000
S7_EntryBuffer	2.80
S7_StopDistance	34.6153846154
S7_TargetDistance	22.3076923077
S7_ExpiryHours	60
S7_RiskWeightAtDD30	0.6715
S7_LevelTimeframe	PERIOD_H1
S7_PivotLeft	24
S7_PivotRight	16
S7_MaxPending	7
S7_MaxOpen	4
S7_MinLevelSpacing	0.20
S7_MinMarketGap	0.20
S7_RearmMinutes	0
S7_TrailTimeframe	PERIOD_M5
S7_TrailBars	3
S7_TrailBuffer	0.28
S7_FakeoutTimeframe	PERIOD_M15
S7_FakeoutMaxAgeMin	360

ENGINE A / 17. STRATEGY 8 - FAST MULTI-LEVEL BREAKOUT

Input / field name	Factory default
S8_LookbackBars	2000
S8_EntryBuffer	1.00
S8_StopDistance	27.1428571429
S8_TargetDistance	17.1428571429
S8_ExpiryHours	55
S8_RiskWeightAtDD30	0.7870000000
S8_LevelTimeframe	PERIOD_H1
S8_PivotLeft	24
S8_PivotRight	16
S8_MaxPending	6
S8_MaxOpen	5
S8_MinLevelSpacing	0.08
S8_MinMarketGap	0.10
S8_RearmMinutes	0
S8_TrailTimeframe	PERIOD_M1
S8_TrailBars	3
S8_TrailBuffer	0.22
S8_FakeoutTimeframe	PERIOD_M15
S8_FakeoutMaxAgeMin	180

ENGINE A / 18. STRATEGY 9 - OPTIONAL HIGH-ACTIVITY ENGINE

Input / field name	Factory default
S9_LookbackBars	960
S9_EntryBuffer	1.60
S9_StopDistance	24.00
S9_TargetDistance	36.00
S9_ExpiryHours	12
S9_RiskWeightAtDD30	1.500
S9_LevelTimeframe	PERIOD_M15
S9_PivotLeft	6
S9_PivotRight	2
S9_MaxPending	6
S9_MaxOpen	4
S9_MinLevelSpacing	0.05
S9_MinMarketGap	0.10
S9_RearmMinutes	5

Input / field name	Factory default
S9_TrailTimeframe	PERIOD_M1
S9_TrailBars	2
S9_TrailBuffer	0.18
S9_FakeoutTimeframe	PERIOD_M1
S9_FakeoutMaxAgeMin	120
S9_EnableInAutoMode	false

ENGINE B / General

Input / field name	Factory default
PG_InpTradeComment	"ECFX WR2 B"
PG_InpMagicNumber	9262601
PG_InpEnableInfoPanel	false

ENGINE B / 02. Position sizing

Input / field name	Factory default
PG_InpBaseMoneyMode	1
PG_InpCustomBalance	0
PG_InpRiskType	0
PG_InpRiskLevel	0
PG_InpRiskPercent	0.0
PG_InpLots	0.0

ENGINE B / Spread filter

Input / field name	Factory default
PG_InpSpreadFilter	false
PG_InpMaxSpreadPoints	100

ENGINE B / Equity controls

Input / field name	Factory default
PG_InpCloseTradesOnEquityDrawdown	false
PG_InpMaxEquityDrawdown	4.0
PG_InpFirstTradeDelay	0
PG_InpCloseAllAccountPositions	false
PG_InpAllowOnlyOnePosition	false
PG_InpActivateTester	false
PG_InpProfitTarget	15
PG_InpMaxLoss	10

ENGINE B / Sessions in broker-server minutes

Input / field name	Factory default
PG_InpEnableA	true
PG_InpEnableB	true
PG_InpEnableC	false
PG_InpSessionShiftMinutes	0
PG_InpRangeStartMinute	120
PG_InpRangeEndMinute	420
PG_InpAStartMinute	421
PG_InpLastEntryMinute	1080
PG_InpPreviousBodyMaxPercent	0.75
PG_InpBEntryMinute	65
PG_InpBHoldMinutes	511
PG_InpDayExitMinute	1106
PG_InpCloseBOnSellSignal	true
PG_InpCLookbackDays	3
PG_InpCStartMinute	180
PG_InpCMomentumMinutes	60
PG_InpCMomentumPercent	0.30
PG_InpAStopPercent	1.0
PG_InpBStopPercent	1.5
PG_InpCStopPercent	0.5

ENGINE B / Approximate randomizer - deterministic for repeatable testing

Input / field name	Factory default
PG_InpRandomize	true
PG_InpRandomSeed	92626
PG_InpTimeJitterMinutes	5
PG_InpLevelJitterPercent	0.03
PG_InpStopJitterPercent	3.0
PG_InpSizeJitterPercent	3.0
PG_InpDeviationPoints	30

ENGINE C / MT5 platform mapping

Input / field name	Factory default
OB_MagicBase	53060000
OB_CTraderPipSize	0.0
OB_BrokerUtcOffsetMinutes	0
OB_AutoLiveUtcOffset	true

Input / field name	Factory default
OB_SlippagePoints	30

ENGINE C / Engine selection

Input / field name	Factory default
OB_EnableLock30xEngine	false
OB_EnableAurumEngine	false

ENGINE C / Pattern engine

Input / field name	Factory default
OB_EnableAurumTwelve12Engine	true

ENGINE C / 03. Runtime And Diagnostics

Input / field name	Factory default
OB_EnableTrading	true
OB_CancelOwnedPendingOrdersOnStop	true
OB_EngineTimerSeconds	1

ENGINE C / Shared account-equity guards

Input / field name	Factory default
OB_SelectDailyEquityLossPct	1.00
OB_SelectMaxEquityDrawdownPct	6.0
OB_BacktestBypassPermanentMaxDrawdownLock	true
OB_SelectCloseOnRiskLock	true

ENGINE C / 04. Broker Protection

Input / field name	Factory default
OB_StopModifySafetyTicks	2.0

ENGINE C / 08G. Trend complement - Core

Input / field name	Factory default
OB_TCEnableTrading	true
OB_TCBaseLabelId	251901
OB_TCSignalTimeframe	PERIOD_H1
OB_TCRangeLookbackBars	6
OB_TCATRPeriod	14
OB_TCFastEMAPeriod	20
OB_TCSlowEMAPeriod	80
OB_TCA1BuyOffsetATR	0.05

Input / field name	Factory default
OB_TCA1SellOffsetATR	0.05
OB_TCA2BuyOffsetATR	0.05
OB_TCA2SellOffsetATR	0.05
OB_TCA3BuyOffsetATR	0.05
OB_TCA3SellOffsetATR	0.05
OB_TCB1BuyOffsetATR	0.10
OB_TCB1SellOffsetATR	0.10
OB_TCB2BuyOffsetATR	0.10
OB_TCB2SellOffsetATR	0.10
OB_TCB3BuyOffsetATR	0.10
OB_TCB3SellOffsetATR	0.10
OB_TCEnableBuys	true
OB_TCEnableSells	true
OB_TCDeDuplicateOverlap	false
OB_TCMinZoneSeparationATR	0.10
OB_TCRequireRisingEmaForBuys	false

ENGINE C / 08H. Trend complement - Exits

Input / field name	Factory default
OB_TCInitialStopATR	1.50
OB_TCEmergencyTargetATR	6.00
OB_TCEnableBreakEven	true
OB_TCBreakEvenTriggerATR	0.75
OB_TCBreakEvenLockATR	0.10
OB_TCEnableTrailing	true
OB_TCTrailStartATR	1.00
OB_TCTrailDistanceATR	0.75
OB_TCMinimumTrailStepPoints	50
OB_TCMaxHoldMinutes	1440

ENGINE C / 08I. Trend complement - Risk

Input / field name	Factory default
OB_TCRiskPerZonePct	0.20
OB_TC48AllocationMultiplier	1.00
OB_TC72AllocationMultiplier	1.00
OB_TCVirtualStartingBalance	50000.0
OB_TCMaximumLotsPerZone	1.00
OB_TCMaximumOpenPositions	2

Input / field name	Factory default
OB_TCMarginUsageCapPct	5.0
OB_TCMaximumEntriesPerDay	12
OB_TCMaximumDailyEquityLossPct	1.0
OB_TCEnableProfitCompounding	false
OB_TCMaxCompoundMultiplier	1.20
OB_TCEnableEquityDrawdownBrake	true
OB_TCDrawdownBrake1Pct	3.0
OB_TCDrawdownBrake1Multiplier	0.50
OB_TCDrawdownBrake2Pct	5.0
OB_TCDrawdownBrake2Multiplier	0.25

ENGINE C / 08J. Trend complement - Execution

Input / field name	Factory default
OB_TCFirstBrokerHour	1
OB_TCLastBrokerHour	22
OB_TCServerHourOffset	0
OB_TCEnableEntryHourQualityGate	true
OB_TCBlockedEntryHour1	4
OB_TCBlockedEntryHour2	9
OB_TCBlockedEntryHour3	15
OB_TCPendingExpiryMinutes	360
OB_TCMaximumSpreadPoints	100

ENGINE C / 19. Structure Ownership

Input / field name	Factory default
OB_EnableSovereignEngine	true

ENGINE C / 19A. Structure Execution

Input / field name	Factory default
OB_SovereignAllowBuys	true
OB_SovereignAllowSells	true
OB_SovereignTradeFrequency	5
OB_SovereignMaxSpreadPoints	500.0
OB_SovereignFridayStopHour	25
OB_SovereignFridayClosePending	true
OB_SovereignFridayCloseOpen	true
OB_SovereignVirtualExpiration	true

ENGINE C / 19B. Structure Identity

Input / field name	Factory default
OB_SovereignComment	"ECFX WR2 C"

ENGINE C / 19C. Structure Compatibility

Input / field name	Factory default
OB_SovereignAdjustEntry	0.0
OB_SovereignAdjustStopLoss	0.0
OB_SovereignAdjustTakeProfit	0.0

ENGINE C / 19D. Structure Risk

Input / field name	Factory default
OB_SovereignManualBalance	0.0
OB_SovereignStartLots	0.0
OB_SovereignMaxAllowedDrawdownPct	6.0
OB_SovereignUseWeightedLots	true
OB_SovereignMaxRiskPerStrategyPct	0.20
OB_SovereignMaximumLots	1.0
OB_SovereignMarginUsageCapPct	5.0
OB_SovereignOnlyUp	true
OB_SovereignResetHighestBalance	false
OB_SovereignCheckMargin	true
OB_SovereignUseEquity	false

ENGINE C / 19E. Structure Strategies

Input / field name	Factory default
OB_SovereignRun2	true
OB_SovereignRun3	true
OB_SovereignRun4	true

ENGINE C / 20A. Pattern12 Portfolio

Input / field name	Factory default
OB_FixedLots	0.01
OB_UseBalanceLotScaling	true
OB_LotReferenceBalance	50000
OB_ProfitPerLotStep	750
OB_LotIncreasePerStep	0.01
OB_MaximumScaledLots	0.10
OB_MaxExposureSlots	3

Input / field name	Factory default
OB_MaxOpenPositions	3
OB_MaxSameDirection	2
OB_MaxTradesPerDay	12

ENGINE C / 20B. Pattern12 Risk

Input / field name	Factory default
OB_DailyLossLockPercent	2.7
OB_HardEquityDrawdownPercent	7.5

ENGINE C / Pattern12 execution and exits

Input / field name	Factory default
OB_EntryBufferPips	8.0
OB_MaxSpreadPips	45.0
OB_DefaultOrderExpiryMinutes	240
OB_StrategyCooldownMinutes	30
OB_AllowBuys	true
OB_AllowSells	true
OB_UseValidatedLanes	true
OB_SydneyResetHour	8
OB_ClosePositionsOnLock	true
OB_CancelOrdersOnLock	true
OB_BreakEvenAtR	0.9
OB_BreakEvenLockR	0.08
OB_TrailStartAtR	1.35
OB_TrailAtrMultiple	0.85
OB_UseSessionFilter	false
OB_SessionStartUtc	0
OB_SessionEndUtc	23
OB_FridayBlockAfterUtc	20
OB_EnableS01	true
OB_EnableS02	true
OB_EnableS03	true
OB_EnableS04	true
OB_EnableS05	true
OB_EnableS06	true
OB_EnableS07	true
OB_EnableS08	true
OB_EnableS09	true

Input / field name	Factory default
OB_EnableS10	true
OB_EnableS11	true
OB_EnableS12	true

ZZ / LEGACY PRESET COMPATIBILITY - NO EFFECT

Input / field name	Factory default
InfoPanelSizeAdjust (inactive)	1.0
SetFontSize (inactive)	0
BacktestSpeed (inactive)	1
PG_InpPanelScale (inactive)	1.0
OB_RequireHedgingAccount (inactive)	true
OB_EnableDebugLogs (inactive)	false
OB_TCRequireLastBarBodyAlignment (inactive)	false
OB_TCDivisionPoints (inactive)	30
OB_SovereignMagicNumberReference (inactive)	25100
OB_SovereignRemoveCommentSuffix (inactive)	false
OB_SovereignEnableNfpFilter (inactive)	true
OB_SovereignRun1 (inactive)	false
OB_SovereignRun5 (inactive)	false
OB_SovereignRun6 (inactive)	false
OB_SovereignRun7 (inactive)	false
OB_SovereignRun8 (inactive)	false
OB_SovereignRun9 (inactive)	false
OB_InstanceTag (inactive)	"ECFX_WR2_C_A12"