

AureusAlgo HTF-LTF FVG Pro

Input Guide (Advanced Settings)

Version: 1.00

Platform: MetaTrader 5

Institutional Smart Money Trading System

Designed for precision, discipline, and risk control

Important:

Start with default settings.

Modify ONLY risk settings unless you fully understand the strategy.

Improper changes may:

- *Reduce performance*
- *Increase risk*
- *Break strategy logic*

Important

Start with default settings. Modify only risk parameters unless you fully understand the strategy.

Improper configuration may increase risk or reduce performance.

Variable	Value			
SECTION_GENERAL	EA GENERAL SETTINGS	Recommended	Impact	Explanation
EA_Comment	AureusAlgo HTF-LTF FVG Pro	AureusAlgo HTF-LTF FVG Pro	High	Text comment attached to trades opened by the EA for identification in trade history.
MagicNumber	39831	39831	High	Unique identifier used by the EA to recognize and manage its own trades. Prevents interference with trades from other EAs or manual trading.
ShowInstitutionalPanel	true	true	Medium	Enables or disables the on-chart panel showing: • Market bias (HTF direction) • Trade status • Risk mode • Spread and session status Recommended: Keep enabled for monitoring EA activity.
TradeDirection	BOTH	BOTH	High	Defines which trade types are allowed: - BUY_ONLY – Only buy trades - SELL_ONLY – Only sell trades - BOTH – Allows both buy and sell trades Changing this affects strategy behavior and trade frequency.
SECTION_FVG	FVG STRATEGY ENGINE			
EnableFVGDetection	true	MUST TRUE	High	Activates the Fair Value Gap detection engine. If disabled, the EA will not search for imbalance zones
DrawFVGBoxes	false	false	Low	Displays visual FVG zones on chart. • true → Show zones (useful for analysis) • false → Hide zones (clean chart) Does NOT affect trading logic.
BullFVGColor	clrBlue	Default	Low	Color used to display bullish Fair Value Gap zones.
BearFVGColor	clrOrange	Default	Low	Color used to display bearish Fair Value Gap zones.
BoxExtendBars	2	2-3	Medium	Number of bars the FVG box extends into the future for visual reference.

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SECTION_FVG_SIZE	FVG QUALITY FILTERS			
EnforceFVGSize	true	true	High	Filters FVGs based on size. • true → Only valid size FVGs used (recommended) • false → All FVGs considered (more trades, lower quality) Higher filtering = better trade quality.
FVG_MinPoints	390	300 – 500 (XAUUSD sweet spot)	High	Minimum size of FVG in points. • Higher value → fewer but stronger setups • Lower value → more trades but weaker setups Recommended: Keep default for XAUUSD.
FVG_MaxPoints	0	0	Medium	Maximum allowed FVG size. • 0 → Disabled (no upper limit) • >0 → Filters out excessively large gaps Useful to avoid unstable market conditions.\
RequireDisplacementCandle	false	true	Medium	Requires strong momentum candle for FVG validation. • true → Only strong moves considered (high quality) • false → All FVGs allowed (more signals) Recommended: Enable for better accuracy.
DisplacementBodyPercent	0.62	0.6-0.7	Medium	Minimum strength of candle body relative to total range. Example: 0.62 = candle body must be at least 62% of total size Higher value: • Stronger confirmation • Fewer trades

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DisplacementRangeFactor	1.35	1.2-1.5	Medium	Measures strength of displacement compared to surrounding candles. Higher value: • Stronger momentum required • Filters weak setups Lower value: • More trades • Less strict filtering Multiplier used to validate the strength of displacement relative to surrounding candles.
UseATRImbalanceFilter	false	false	High	Uses Average True Range (ATR) to validate the strength of detected imbalances.
ATR_Period	14	14	High	Number of periods used for ATR calculation.
MinFVG_ATR_Ratio	0.3	0.2-0.35	High	Minimum ratio between FVG size and ATR to qualify the imbalance as tradable.
SECTION_HTF	HTF CONFIRMATION SETTINGS			
UseHTFFVG	HTF_H1	HTF_H1 (or H4 for swing)	High	Defines which higher timeframe is used for directional confirmation. Options include OFF, H1, H4, or D1.
RequireHTFRetest	true	true	Medium	Requires price to return to the higher timeframe FVG zone before a trade setup is considered valid.
HTF_Retest_ShiftPoints	110	80-150	Medium	Additional buffer applied when validating the retest of the HTF FVG zone.
HTFRetestMode	RETEST_WICK	RETEST_WICK	Medium	Defines how the retest is validated: WICK touch Candle close inside zone Both wick and close Any retest condition.
UseLiquiditySweepFilter	false	Optional	Medium	Requires a liquidity sweep event (stop hunt above highs or below lows) before trade entry.
LiquidityLookbackBars	29	20-30	Medium	Number of past candles used to identify liquidity levels for sweep detection.
MaxSweepAgeMinutes	285	180-300	Medium	Maximum allowed time after a sweep occurs before the setup becomes invalid.

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SECTION_SESSION	TRADING SESSION (KILL ZONE)			
UseKillZone	false	true	High	Restricts trading to specific market session times.
KillZoneStartHour	0	0	High	Trading session start hour.
KillZoneStartMinute	465	60	Medium	Trading session start minute.
KillZoneEndHour	19	17-19	High	Trading session end hour.
KillZoneEndMinute	0		Medium	Trading session end minute.
KillZoneColor	clrSkyBlue		Low	Chart color used to highlight the kill zone trading window.
SECTION_LIMITS	TRADE LIMITS			
UseHTFDirectionalFilter	false	true	Medium	Allows trades only in the direction of the higher timeframe bias.
UseSmartTradeLimit	false	true	Medium	Enables intelligent trade frequency control to avoid overtrading. Runtime tracking for SmartTradeLimit
MaxTradesPerSession	1	1–2	Medium	Maximum number of trades allowed during a trading session.
MaxSimultaneousTrades	1	1	High	Maximum number of open trades allowed at the same time.
DeletePendingOrdersAfterNewFVGTrade	true	true	High	Automatically removes old pending orders after a new FVG trade is triggered.
MaxPendingOrdersAllowed	1	1	High	Maximum number of pending orders allowed simultaneously.
SECTION_COOLING	COOLING SETTINGS			
UseCooling_OnEntry	true	true	Medium	Enables a cooldown period after a trade is opened.
UseCooling_OnLoss	false	true	Medium	Enables a cooldown period after a losing trade.
UseCooling_OnFullTP	true	true	Medium	Enables a cooldown period after a full take-profit exit.
CoolingMinutes_OnEntry	270	60-120	Medium	Cooldown time in minutes after opening a trade.
CoolingMinutes_OnLoss	390	120-240	Medium	Cooldown time in minutes after a stop loss occurs.
CoolingMinutes_OnFullTP	400	120-240	Medium	Cooldown time in minutes after a full take profit.

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SECTION_ENTRY	ENTRY SETTINGS			
UseLimitOrdersOnFVG	true	true	High	Uses limit orders placed inside the FVG zone instead of market orders.
FVGExpiryMinutes	270	180-300	Medium	Maximum time a detected FVG setup remains valid.
PendingOrderExpiryMinutes	90	60-120	Medium	Time after which pending orders will automatically expire.
EntryZoneMode	ENTRY_EXTREMITY	ENTRY_EXTREMITY	High	Defines where within the FVG the entry is placed: Extremity Middle Beginning.
ApplyPriceShiftToEntries	false	false	Medium	Adjusts entry inside FVG zone. Fine-tunes precision.
EntryShiftPoints	300	100-500	Low	Number of points used to shift the entry price.
SECTION_SL	STOP LOSS SETTINGS			
StopLossMode	SL_RANGE_EXTREME	SL_RANGE_EXTREME	High	Defines how stop loss is calculated: Fixed points, range extreme, nearest swing liquidity, or FVG candle extremity.
SLFixedPoints	3000	3000	Medium	Fixed stop loss distance in points.
SLBufferPoints	200	150-300	Medium	Extra buffer added to the stop loss level.
SLShiftCandle	7	3-7	Medium	Candle index used to calculate stop loss reference.
SwingHighLowLookbackBars	12	10-20	Medium	Number of candles used when searching for swing highs or lows.
SwingStrength	10	8-15	Medium	Minimum number of candles required to confirm a swing point.
EnforceSL_Min	true	true	Medium	Ensures stop loss is not smaller than the defined minimum distance.
SL_Min_Points	1000	1000-3000	Medium	Minimum allowed stop loss distance.
EnforceSL_Max	true	true	High	Ensures stop loss is not larger than the defined maximum distance.
SL_Max_Points	23000	15000-30000	High	Maximum allowed stop loss distance.
SECTION_TP	TAKE PROFIT & BREAKEVEN			
EnableBreakeven	true	true	High	Moves stop loss to entry price once the defined risk-reward level is reached.
BreakevenRR	2	1	High	Risk-reward ratio required to activate breakeven.

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EnableTakeProfit	true	true	High	Enables the multi-stage take profit system.
TP1_RR	2	1.5-2	High	Risk-reward level for the first take profit.
TP1_Percent	30	30	High	Percentage of position closed at TP1.
TP2_RR	8	4-5	High	Risk-reward level for the second take profit.
TP2_Percent	40	30	High	Percentage of position closed at TP2.
TP3_RR	12	8-10	High	Risk-reward level for the final take profit.
TP3_Percent	30	40	High	Percentage of position closed at TP3.
SECTION_VOLUME	RISK MANAGEMENT			
VolumeType	RISK_MONEY	RISK_MONEY	High	Defines the lot size calculation method: fixed lot, risk based on balance, equity, or fixed monetary risk.
Lots	0.1	Optional	High	Lot size used when fixed lot mode is selected.
BrokerLotScale	1	1	High	Scaling factor used to adjust lot sizes for different broker contract sizes.
RiskPercent	1	0.5-1%	High	Percentage of account balance or equity risked per trade.
FixedRiskAmount	300	100-300	High	Fixed monetary risk per trade when using fixed risk mode.
RiskRewardRatio	9.2	10	High	Default risk-to-reward ratio used when calculating take profit targets.
MaxAllowedLotSize	1	1	High	Maximum allowed lot size to prevent excessive trade exposure.
MaxSpreadPoints	500	300-500	Medium	Maximum allowed spread in points for trade execution.
SECTION_NEWS	NEWS FILTER SETTINGS			
UseNewsFilter	true	true	Medium	Blocks trading during economic news events.
NewsBlockMinutesBefore	30	30	Medium	Minutes before a news event when trading is disabled.
NewsBlockMinutesAfter	30	30	Medium	Minutes after a news event when trading remains disabled.
NewsHighImpactOnly	true	true	Medium	If enabled, only high-impact news events will block trading.
SAFETY_PROTECTION	SAFETY PROTECTION			

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UseDailyDrawdownProtection	true	true	High	Stops trading once the daily drawdown limit is reached.
MaxDailyDrawdownPercent	5	3-5%	High	Maximum allowed daily loss as a percentage of account balance.
MaxDailyDrawdownMoney	0	Use % OR money	High	Maximum allowed daily loss in monetary value.
CloseAllOnDailyDDHit	false	true	High	Automatically closes all open positions if daily drawdown limit is reached.
UseDailyDrawdownProtection	true	true	High	Enables or disables daily drawdown protection. When enabled, the EA monitors daily loss (closed trades). If the loss exceeds the defined limit, trading is restricted. Recommendation: ✓ Keep TRUE (especially for prop firms)
MaxDailyDrawdownPercent	5	3-5%	High	Maximum allowed daily loss in percentage (%) of account balance Account balance = \$10,000 5% = \$500 max daily loss If loss reaches \$500 → EA stops trading.
MaxDailyDrawdownMoney	0	Use % OR money	High	Maximum allowed daily loss in fixed money (\$). If set > 0 → overrides percentage OR works as additional condition (depending on your logic) Set = 300 → EA stops trading after \$300 loss Use either % OR money, not both (keep one as 0)
CloseAllOnDailyDDHit	false	true	High	Controls behavior when daily drawdown limit is hit. true → Close ALL open trades immediately false → Only stop new trades (existing trades continue) Prop firm → ✓ true Personal account → 🚫 optional
UseFloatingDDProtection	false	true	High	Enables protection based on current floating loss (open trades). Protects account BEFORE stop loss is hit Works in real-time (equity-based)

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MaxFloatingDD Percent	5	3-5%	High	Maximum allowed floating drawdown (%) Balance = \$10,000 Floating loss reaches \$500 → protection triggers
MaxFloatingDD Money	0	Use % OR money	High	Maximum allowed floating drawdown in money (\$) Set = 400 → EA reacts when floating loss = \$400 Best Practice: Use either % OR money
UseDailyProfitLock	false	true	High	Stops trading after reaching a daily profit target Prevents overtrading Secures profits for the day
DailyProfitTargetPercent	5	2-3%	High	Daily profit target as a percentage (%) Account = \$10,000 3% = \$300 profit Once profit reaches \$300 → EA stops trading
DailyProfitTargetMoney	0	Optional	High	Daily profit target in fixed money (\$) Set = 200 → EA stops after \$200 profit Best Practice: Use either % OR money
SECTION_AUTO CLOSE	AUTO CLOSE SETTINGS			
UseAutoClose_Friday1800	false	true	Medium	Automatically closes trades before the weekend to avoid gap risk.
FridayCutoffHour	10	17	Medium	Time when Friday auto-close is triggered.
FridayCutoffMinute	0	20	Medium	Friday close minute.
PctClose_Friday	100	100	Medium	Percentage of open position closed at Friday cutoff.
UseAutoClose_HeldDays	false	Optional	Medium	Closes trades that have been open longer than a defined number of days.
MaxHoldingDays	3	2-5	Medium	Maximum number of days a trade can remain open.
HeldDaysCloseHour	20	20	Medium	Time when trades exceeding the holding period are closed.
HeldDaysCloseMinute	30	30	Medium	Minute trades close after holding days.
PctClose_HeldDays	50	50	Medium	Percentage of position closed when maximum holding time is reached.

This Input Guide is designed to give you full control over the system's behavior.

[AureusAlgo HTF-LTF FVG Pro – Input Guide](#)

SECTION_PERFORMANCE_SETTINGS	PERFORMANCE SETTINGS			
PerformanceMode	true	true	High	Optimizes EA performance by reducing unnecessary calculations and chart updates.
DrawStopLossLine	false	false	Low	Displays stop loss levels visually on the chart.
DebugMode	false	false	Low	Enables detailed logging for troubleshooting and debugging.

For setup instructions and strategy overview, refer to:

AureusAlgo HTF-LTF FVG Pro – User Manual

User Manual Reference

For full setup guidance, strategy explanation, and best practices, please refer to:

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Recommended for all users before live trading.

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