

1. GENERAL SETTINGS

Input Variable	Value	Description
MagicNumber	93987	EA unique magic number
TradingDirection	BOTH	Trading direction (BOTH / BUY_ONLY / SELL_ONLY)
AllowBuy	true	Allow opening Buy orders
AllowSell	true	Allow opening Sell orders
OnlyTradeXAU	true	Only trade symbols containing "XAU"
MaxSlippagePoints	50	Maximum slippage in points
MaxSpreadPoints	800.0	Maximum spread allowed to open new orders
UseNewCandleOnly	false	Process signals only on new candle
NewCandleTimeframe	PERIOD_M5	Timeframe to detect new candle

2. TREND FILTER EMA

Input Variable	Value	Description
EnableEMATrendFilter	true	Enable EMA trend filter
UseEMA20	true	Enable EMA 20
UseEMA150	true	Enable EMA 150
EMATimeframe	PERIOD_M5	EMA calculation timeframe
EMA20Period	20	Period of fast EMA
EMA150Period	150	Period of slow EMA

3. MODE 1 - TREND DCA

Input Variable	Value	Description
EnableTrendDCAMode	false	Enable Trend DCA Mode
KeepDCADuringTrendReversal	false	Keep DCA basket when EMA reverses direction
TrendInitialLot	0.02	Initial lot size for Trend DCA (if auto lot disabled)
TrendStepPoints	1200.0	Base step distance in points
TrendStepMultiplier	1.3	Step multiplier for each next level
MaxTrendBuyOrders	800	Maximum Buy orders in Trend mode
MaxTrendSellOrders	800	Maximum Sell orders in Trend mode
UseTrendBasketTPUSD	true	Enable basket TP by USD for Trend mode
TrendBasketTPUSD	100.0	USD profit target for Trend basket
UseTrendBasketTPPoints	true	Enable basket TP by points for Trend mode
TrendBasketTPPoints	4000.0	Points target for Trend basket

4. TREND DCA TRIMMING

Input Variable	Value	Description
EnableTrendTrimming	false	Enable partial close (trimming) for Trend mode
TrendTrimSameDirection	false	Allow trimming same direction
TrendTrimOppositeDirection	false	Allow trimming opposite direction
TrendTrimMaxProfitOrders	3	Maximum number of profitable orders to trim per cycle
TrendTrimMinProfitUSD	10.0	Minimum profit (USD) required to trim an order
TrendTrimPrioritizeNewest	true	Prioritize newest or largest lot orders

5. MODE 2 - DCA HEDGE RECOVERY

Input Variable	Value	Description
EnableDCAHedgeMode	true	Enable DCA Hedge / Recovery Mode
HedgeInitialLot	0.04	Initial lot size for first 2 hedge orders (if auto lot disabled)
HedgeStepPoints	300.0	Step distance for additional hedge orders
MaxHedgeBuyOrders	800	Maximum Buy orders in Hedge mode
MaxHedgeSellOrders	800	Maximum Sell orders in Hedge mode
UseHedgeBasketTPUSD	true	Enable basket TP by USD for Hedge mode
HedgeBasketTPUSD	50.0	USD profit target for Hedge basket

6. HEDGE DCA TRIMMING

Input Variable	Value	Description
EnableHedgeTrimming	false	Enable partial close (trimming) for Hedge mode
HedgeTrimSameDirection	false	Allow trimming same direction
HedgeTrimOppositeDirection	false	Allow trimming opposite direction
HedgeTrimStartAfterOrders	20	Start trimming after this number of orders
HedgeTrimMaxProfitOrders	3	Maximum number of profitable orders to trim per cycle
HedgeTrimMinProfitUSD	10.0	Minimum profit (USD) required to trim an order
HedgeTrimPrioritizeNewest	true	Prioritize newest or largest lot orders

7. GLOBAL SMART TRIMMING

Input Variable	Value	Description
EnableGlobalSmartTrim	false	Enable global smart trimming

Input Variable	Value	Description
GlobalTrimSameDirection	false	Allow same-direction global trim
GlobalTrimOppositeDirection	false	Allow opposite-direction global trim
GlobalTrimMaxProfitOrders	15	Maximum number of profitable orders to trim globally
GlobalTrimMinProfitUSD	15.0	Minimum profit (USD) per trimmed order
GlobalTrimOnlyWhenBothModesActive	false	Only trim when both modes are active
GlobalTrimPrioritizeBestCombo	false	Prioritize best combination near target

8. LOT MANAGEMENT

Input Variable	Value	Description
UseFixedLot	false	Use fixed lot size (disable multiplier and auto lot)
LotMultiplier	1.2	Lot size multiplier for each DCA level
EnableAutoLot	true	Enable Auto Lot based on account balance
AutoLotPerBalance	50000.0	Account balance (USD) required for base lot (e.g. 0.05 lot / 50,000 USD)
BaseLotSize	0.01	Base lot size used for Auto Lot calculation

Auto Lot Formula: $\text{Lot} = (\text{AccountBalance} / \text{AutoLotPerBalance}) * \text{BaseLotSize}$

9. GLOBAL TAKE PROFIT

Input Variable	Value	Description
EnableGlobalProfitClose	true	Enable closing all orders when total profit target is reached
GlobalProfitTargetUSD	100.0	Main total profit target (USD)

Input Variable	Value	Description
EnableSecondaryGlobalProfit	true	Enable secondary (higher) profit target
SecondaryGlobalProfitTargetUSD	300.0	Secondary total profit target (USD)

10. RISK MANAGEMENT & SAFETY

Input Variable	Value	Description
EnableMaxTotalOrders	true	Enable maximum total orders limit
MaxTotalOrders	1000	Maximum allowed open orders
AvoidHighSpread	true	Do not open new orders when spread is too high
EnableMaxDrawdownProtection	false	Enable Max Drawdown protection
MaxDrawdownPercent	30.0	Maximum drawdown percentage of balance
CloseAllOnMaxDD	false	Close all orders when Max DD is breached
ShowDashboard	true	Display information dashboard on chart

Developer Notes:

- All inputs must be declared as input variables with clear English names.
- Auto Lot applies to the initial lot of both Trend DCA and Hedge DCA modes.
- Implement separate basket management for Trend mode and Hedge mode.
- Support both USD and Points-based basket take profit.
- Smart trimming must be implemented at three levels: Trend, Hedge, and Global.