

## Input Parameters Overview

The following table provides a complete overview of all configurable input parameters available in the Expert Advisor. Parameters are grouped by functional area to make configuration easier and more intuitive. For each input, the table describes the accepted value range and its practical role within the EA, including order management, lot sizing, risk control, RangeGuard filters, dashboard settings, news protection, and multi-symbol portfolio trading.

Parameter	Range / allowed values	Function
<b>General order management</b>		
Delete_Orders	true / false	Tester friendly: do not delete pending orders every day.
DeleteHour	0-23	Server hour used by the daily pending-order cleanup routine.
Allow_BUY	true / false	Enables or disables opening new BUY-side trades.
Allow_SELL	true / false	Enables or disables opening new SELL-side trades.
EA_makes_first_order	true / false	Allows the EA to create the initial position instead of waiting for existing trades.
Opening_1_order_on_indicators	true / false	Opens only the first order when indicator conditions are met.
First_Order_As_Market	true / false	Opens the first order immediately on signal; false uses legacy BuyLimit/SellLimit logic.
Debug_Mode	true / false	Prints block reasons and trade errors in the Journal.
<b>Grid, distance and order placement</b>		
First_step	>= 0 points	Initial grid/averaging step distance in points after the first order.
Minimum_price_distance	>= 0 points	Minimum price distance, in points, required before placing or moving orders.

Parameter	Range / allowed values	Function
Move_step	$\geq 0$ points	Step, in points, used when adjusting pending-order levels.
Distance_between_orders	$\geq 0$ points	Target distance, in points, between consecutive grid or recovery orders.
<b>Loss protection and drawdown control</b>		
Maximum_allowed_loss	$\geq 0$ account currency	Absolute money-loss limit used as an emergency protection threshold.
Close_loss_by_drawdown	0-100+ %	Maximum drawdown percentage used to calculate dynamic loss closing levels.
<b>Lot sizing and money management</b>		
Use_AutoLot_By_Equity	true / false	Calculates lot size automatically using an equity-based formula.
Order_lotsize	$> 0$ lots	Fixed fallback lot size when AutoLot_By_Equity is OFF.
Increase_lotsize_by	$\geq 0$ lots	Additive lot increment applied during recovery or scaling sequences.
Multiply_lotsize_by	$> 0$	Lot multiplier applied when increasing exposure across subsequent orders.
Round_lotsize_to_decimals	0-8 approx.	Number of decimals used when normalizing the calculated lot size.
<b>Basket profit targets</b>		
Profit_for_closing_2_directions	$\geq 0$ account currency	Money profit target for closing a basket containing both BUY and SELL exposure.
Profit_for_closing_1_direction	$\geq 0$ account currency	Money profit target for closing a one-direction basket only.
Auto_calculated_profit	true / false	Enables automatic profit-target

Parameter	Range / allowed values	Function
<b>Prop scaling and equity cycle</b>		
Scale_lot_TP_money_risk_automatically	true / false	calculation instead of fixed money targets.
PropMultiplier	> 0, capped by SafetyCapForWrongInputs	Scales lot size, take-profit money, and risk values by the prop multiplier.
SafetyCapForWrongInputs	> 0	Multiplier applied to simulate or scale prop-firm style account exposure.
EquityCycle_Reset_Multiple	> 1	Upper safety cap that limits extreme values caused by incorrect inputs.
EquityCycle_Reset_Retain_Lot_Pct	0-100 %	Equity cycle reset threshold: 25 = from 2k to 50k.
<b>Trade identification</b>		
Magic	integer long	After reset, keeps this percentage of the pre-reset lot.
<b>Automatic closing and retry logic</b>		
AutoClose_Losing_After_1_Day	true / false	Unique magic number used to identify trades managed by this EA.
AutoClose_Losing_After_Hours	>= 0 hours	Automatically closes losing positions 24 hours after opening.
Skip_Trade_When_Market_Closed	true / false	Minimum open hours before closing if the position is losing.
Retry_After_MarketClosed_Minutes	>= 0 minutes	Avoids repeated attempts when the symbol market is closed.
Skip_Trade_When_No_Money	true / false	Pause before retrying after a Market closed retcode.
Retry_After_NoMoney_Minutes	>= 0 minutes	Avoids loops when free margin is not enough to open the calculated lot.
		Pause before retrying after insufficient

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Auto_Reduce_Lot_To_FreeMargin	true / false	margin. Automatically reduces the lot if margin is insufficient.
FreeMargin_Buffer_Pct	>= 0 %	Extra free margin required above the calculated margin.
Pending_Cooldown_After_Delete_Seconds	>= 0 seconds	Cooldown period before recreating pending orders after deletion.
Block_Reopen_After_Filter_Delete	true / false	Prevents immediate reopening after filters delete pending orders.
<b>RangeGuard master switch</b>		
Use_Internal_RangeGuard	true / false	Tester friendly: RangeGuard can block almost everything.
<b>Dashboard basic display</b>		
Font_size	> 0 pixels	Dashboard text font size.
Color_information	MQL5 color value	Main dashboard/information text color.
<b>Stop loss and take profit</b>		
Stoploss	>= 0 points	Stop-loss distance in points for newly opened orders.
Takeprofit	>= 0 points	Take-profit distance in points for newly opened orders.
<b>Signal indicator and RSI mean reversion</b>		
Indicator	string	Name of the main signal indicator used by the strategy.
Oversold_zone	0-100, below Overbought_zone	RSI level considered oversold and potentially valid for BUY setups.
Overbought_zone	0-100, above Oversold_zone	RSI level considered overbought and potentially valid for SELL setups.
MeanReversion_CrossMode	true / false	Tester friendly: do not wait for the cross;

Parameter	Range / allowed values	Function
RSI_Period	$\geq 1$ periods	RSI in zone is enough. RSI calculation period used by the mean-reversion signal.
Timeframe_indicator	ENUM_TIMEFRAMES value	Timeframe used to calculate the RSI and signal conditions.
<b>Trading session filter</b>		
StartHour	0-23	Server hour when trading is allowed to start; 0 with EndHour 0 means all day.
EndHour	0-23	Server hour when trading ends; if StartHour equals EndHour, trading remains active 24 hours.
<b>Spread filter</b>		
UseSpreadFilter	true / false	Tester friendly: many brokers have XAU spreads above 35 points.
XAU_default_lower_for_forex_EURUSD_15_20	$\geq 0$ points	Maximum spread threshold in points; higher default supports symbols such as XAU.
<b>Manual news filter</b>		
UseNewsFilter	true / false	Enables manual time-based news filter from the NewsTimes input.
NewsMinutesBefore	$\geq 0$ minutes	Minutes before a listed news event during which new trading is blocked.
NewsMinutesAfter	$\geq 0$ minutes	Minutes after a listed news event during which new trading remains blocked.
News_DeletePendings	true / false	Deletes pending orders when the manual news filter becomes active.

Parameter	Range / allowed values	Function
NewsFilterNote	string	Human-readable reminder about how to populate the manual news list.
NewsTimes	string	Comma/semicolon separated broker-time news schedule used by the manual filter.
<b>RangeGuard trend actions</b>		
RG_DeletePendings_OnTrend	true / false	Deletes pending orders when RangeGuard detects unsuitable trend conditions.
RG_ClosePositions_OnTrend	true / false	Closes open positions when RangeGuard detects unsuitable trend conditions.
RG_BasketTP_closes_when_blocked	true / false	Allows basket take-profit closing even while new entries are blocked.
<b>RangeGuard trend and volatility filters</b>		
RG_Timeframe	MT5-supported minutes	Timeframe, in minutes, used by RangeGuard trend and volatility filters.
RG_ADX_Period	>= 1 periods	ADX period used to detect trend strength.
RG_ADX_Max	>= 0	Maximum ADX value allowed before the market is treated as too strongly trending.
RG_ADX_Rising_Buffer	>= 0	Extra ADX rise buffer used to detect accelerating trend conditions.
RG_BB_Period	>= 1 periods	Bollinger Bands period used by the range/expansion filter.
RG_BB_Deviation	> 0	Bollinger Bands deviation multiplier used to measure volatility width.
RG_BB_Lookback	>= 1 bars	Number of completed

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		bars used to compare recent Bollinger Band width.
RG_BB_MaxWidth_Points	>= 0 points	Maximum allowed Bollinger Band width in points; 0 disables this width cap.
RG_BB_Expansion_Pct	>= 0 %	Maximum allowed percentage expansion of Bollinger Band width.
RG_MaxCandleBody_ATR	>= 0 ATR multiples	Maximum allowed candle body size expressed as a multiple of ATR.
RG_ATR_Period	>= 1 periods	ATR period used for volatility and candle-body checks.
RG_CooldownBars_AfterTrend	>= 0 bars	Number of bars to wait after a trend block before allowing new entries.
<b>RangeGuard position limits</b>		
RG_MaxBuyPositions	>= 0 positions	Maximum number of BUY positions allowed per symbol.
RG_MaxSellPositions	>= 0 positions	Maximum number of SELL positions allowed per symbol.
RG_MaxTotalPositions	>= 0 positions	Maximum total number of positions allowed per symbol across both directions.
<b>RangeGuard hard-stop protection</b>		
RG_MaxFloatingLossMoney	>= 0 account currency	Maximum floating loss in account currency before triggering protection.
RG_MaxFloatingDDPercent	0-100+ %	Maximum floating drawdown percentage before triggering protection.
RG_StopTradingAfterHardStop	true / false	Stops opening new trades after a hard-stop protection event.
RG_HardStopCooldownMinutes	>= 0 minutes	Minutes to pause

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RG_HardStop_DeleteAllPendings	true / false	trading after a hard-stop protection event. Deletes all pending orders when a hard-stop protection event occurs.
RG_ShowStatus	true / false	Shows RangeGuard and trading-status information on the dashboard.

## Dashboard layout

Dash_Corner	0-3	Chart corner used as the dashboard anchor; follows MT5 ENUM_BASE_CORNER values.
Dash_X	>= 0 pixels	Horizontal dashboard offset from the selected chart corner, in pixels.
Dash_Y	>= 0 pixels	Vertical dashboard offset from the selected chart corner, in pixels.
Dash_LineStep	> 0 pixels	Vertical spacing between dashboard text rows, in pixels.
Dash_Background	true / false	Draws a background panel behind the dashboard text.
Dash_Background_Color	MQL5 color value	Background panel color used by the dashboard.
Dash_Border_Color	MQL5 color value	Border color used by the dashboard background panel.

## Dashboard logo and decorations

Dash_Show_Logo_Background	true / false	Shows the embedded logo/background decoration on live charts.
Dash_Logo_Below_Dashboard	true / false	Places the logo below the dashboard panel instead of behind it.
Dash_Logo_Offset_X	pixels, may be negative	Horizontal logo offset, in pixels, relative to the



Parameter	Range / allowed values	Function
		dashboard panel position.
Dash_Logo_Offset_Y	pixels, may be negative	Vertical logo offset, in pixels, below the dashboard panel.
Dash_Logo_Bottom_Overlap	$\geq 0$ pixels	Logo overlap with the panel bottom border; 0 keeps it below the panel, values above 0 overlap it.
Dash_Logo_Width	$> 0$ pixels	Displayed logo width in pixels.
Dash_Logo_Height	$> 0$ pixels	Displayed logo height in pixels.
Dash_Always_Show_ADX_Line	true / false	Always shows the ADX/Trend row even if spread blocks first.
<b>Portfolio / multi-symbol trading</b>		
PortfolioSymbols	string / comma-separated symbols	Optional comma-separated symbol list; empty means use the current chart symbol or Market Watch logic.
TradeAllSymbolsFromOneChart	true / false	Manages all configured portfolio symbols from a single chart instance.
MaxSpreadPoints_Override	$\geq 0$ points	Overrides maximum spread in points; 0 keeps the symbol/default spread setting.
<b>Strategy Tester display</b>		
Dash_Show_Decorations_In_Tester	true / false	Shows dashboard logo/background decorations in the Strategy Tester; false keeps tester output text-only.