



CYCLE

Multi-Cycle Grid Expert Advisor

MetaTrader 4 & MetaTrader 5 · User Guide and Parameters

- Dual-direction grids
- Virtual basket TP / SL / trailing
- DD-reduction algorithm
- Two-timeframe trend filter
- Money-management autolot
- On-chart control panel

Overview

Cycle is a fully configurable martingale-grid Expert Advisor for MetaTrader 4 and 5. It trades the BUY and SELL sides as two independent baskets, scaling lots cycle by cycle and taking profit on the whole basket rather than on single trades. An optional moving-average trend filter (on a separate higher timeframe) keeps entries aligned with the dominant direction, while a drawdown-reduction routine and EA-managed virtual exits help control risk and server load.

Key advantages

- **Two independent grids.** BUY and SELL are managed separately — their own cycles, take-profit and reset.
- **Cycle-based lot scaling.** Lot grows between cycles geometrically (x multiplier) or additively (+ step), not by blind doubling on every trade.
- **Basket exits.** Close the whole side by total profit: percent of traded volume-value, or pips from the average price.
- **Virtual TP / SL / trailing (basket).** Levels are computed inside the EA and closed with market orders — no server-side stops, no 'hanging' orders, minimal server load.
- **Two-timeframe trend logic.** Frequent entries on a fast timeframe (e.g. M5), trade direction confirmed by an MA on a higher timeframe (e.g. M15).
- **Drawdown-reduction algorithm.** Once many orders are open, the heaviest pair (oldest + newest) is closed as soon as it nets a small profit, relieving the basket.
- **Flexible distance.** Distance between knees can be constant, multiplied deeper into the basket, or stepped up every N orders.
- **Account protection.** An emergency stop closes everything on a set drawdown percent or money loss, before a broker stop-out; entries are also skipped when free margin is short.
- **On-chart control panel.** One-click Buy/Sell enable, pause, force-close, new series, live per-side profit and editable TP / DD / hours.
- **Unified pip inputs.** All distances are expressed in pips — a single set file works for both 2-digit and 3-digit gold brokers.
- **Money-management autolot.** Base lot can scale automatically from free margin.

How it works

Entries. On each new bar of the entry timeframe the EA may open one trade per side, but only after price has moved against the last trade of that side by the required distance. A move into profit never adds a new step.

Cycles. Each cycle opens a fixed number of trades at one lot size. If a cycle fills and the side is still in loss, the next cycle starts with a larger lot. When the side closes in profit, it resets to Cycle 1.

Take-profit (basket). The whole side closes when its total profit reaches the target — a percent of (sum of lots x lot-to-money), or a number of pips from the volume-weighted average price.

Virtual SL & trailing (basket). Optional basket stop-loss and trailing operate on the whole side: trailing arms after a favorable move and closes everything on a retrace from the peak.

DD reduction. When the number of open orders reaches a threshold, the oldest and newest orders are closed together as soon as their combined result reaches a small target.

Distance modes. The gap required before adding the next knee can be constant, multiplied from a chosen order (Method 1), or stepped up every N orders (Method 2).

Margin check. Before every entry the EA verifies free margin; if it is insufficient, the order is simply skipped (no rejected orders, no errors).

Account protection. An emergency stop closes the whole basket once drawdown reaches a set percent of balance or a set money loss, well before a broker stop-out.

Trial period. Builds intended for direct distribution can carry an expiry date after which no new trades are opened (open trades keep being managed). Market builds ship without it.

Parameter reference

Defaults are shown in gold. Pip = 0.01 of price on gold (e.g. 4500.00 → 4501.00 = 100 pips).

Lots and cycles

Parameter	Default	Description
BaseLot	0.01	Base lot for Cycle 1 (used when Money Management is off).
UseMoneyMgmt	false	Enable autolot: the base lot is derived from free margin.
AutolotPerLot	1000	Free margin required for each 0.01 lot when autolot is on.
NumCycles	4	Number of cycles per direction.
TradesPerCycle	7	Number of trades opened inside each cycle.
InpLotMode	Coef	Lot growth between cycles: Coef (x multiplier) or Lot (+ step).
Multiplier	1.3	Lot multiplier between cycles (Coef mode).
LotAddStep	0.01	Lot increment between cycles (Lot mode).
MaxLot	2.0	Hard cap on the lot of a single trade.

Entries

Parameter	Default	Description
InpOpenOnNewBar	true	Open at most one trade per new bar.
InpEntryTF	current	Timeframe whose new bar triggers entries (e.g. M5).
InpTrendTF	current	Timeframe used by the MA trend filter (e.g. M15).
InpTrendFilter	true	Filter direction by MA (price above = BUY, below = SELL). Off = both sides.
MaPeriod	50	Moving-average period (on the trend timeframe).
MaMethod	SMA	Moving-average method.
MaxOrders	60	Maximum total open orders (0 = unlimited).
MaxSpreadPips	0	Block new entries when spread exceeds this (pips, 0 = off).
PauseMin	0	Minimum minutes between orders (0 = off).

Distance between trades

Parameter	Default	Description
BaseDistancePips	200	Base distance between knees (pips). Used as-is in Off mode and as the base for both methods.
DistanceMode	Off	Distance scaling: Off (constant), Method1 (multiplied), Method2 (stepped).
M1_StartOrder	6	Method1: knee number from which the distance starts scaling.
M1_Multiplier	1.2	Method1: distance is multiplied by this for each next knee from the start order (e.g. 6th=240, 7th=288).
M2_StepOrders	10	Method2: increase the distance every N orders.
M2_AddPips	100	Method2: distance increment in pips per step (e.g. 1-10=200, 11-20=300).

Direction take-profit (basket)

Parameter	Default	Description
InpTpMode	%	Basket take-profit mode: percent or pips.
InpTPpct	30	Close the side when total profit \geq sumLots x LotToMoney x %.
InpTPpips	50	Close the side when price reaches average +/- pips (pips mode).

Virtual TP / SL / trailing (basket)

Parameter	Default	Description
InpUseVirtual	true	Enable EA-managed basket levels (no server SL/TP).
VirtualTPpips	0	Extra basket take-profit, pips from average (0 = off).
VirtualSLpips	0	Basket stop-loss, pips from average (0 = off).
InpTrailingOn	false	Enable basket trailing.
TrailStartPips	30	Favorable move (pips) before trailing arms.
TrailStepPips	15	Retrace (pips) from peak that closes the basket.

DD reduction

Parameter	Default	Description
InpDDReduction	true	Enable the drawdown-reduction pair closing.
InpNumberOrder	20	Open-order count that activates DD reduction.
InpDDpct	3	Close oldest+newest pair when profit \geq (lot1+lot2) x LotToMoney x %.
LotToMoney	1000	Lot-to-money factor (0.01 lot = \$10) used by all % targets.

Account protection (emergency stop)

Parameter	Default	Description
MaxDDPercent	30	Close everything when account drawdown reaches this percent of balance (0 = off).
MaxLossMoney	0	Close everything when the floating loss reaches this amount in account currency (0 = off).

Time

Parameter	Default	Description
InpStartHour	0	Trading-window start hour (Start = End -> 24/7).
InpEndHour	0	Trading-window end hour.

Panel / misc

Parameter	Default	Description
ShowPanel	true	Show the on-chart control panel.
PanelX / PanelY	10 / 18	Panel position on the chart.
SlippagePips	30	Maximum slippage, pips.
InpMagic	20240601	Magic number (unique per chart/strategy).
InpTradeBuy / InpTradeSell	true	Allow the BUY / SELL side.
InpComment	Cycle	Comment prefix -> CycleBuy-cycle-trade.

Recommended start (XAUUSD / Gold)

- Attach Cycle to a Gold (XAUUSD) chart, then load **Cycle_XAUUSD.set** from the Inputs tab.
- For the two-timeframe setup, set **InpEntryTF = M5** and **InpTrendTF = M15**, keep the MA trend filter on.
- The default basket take-profit is 30% of traded volume-value; example: 0.46 lots (~\$460) closes the side at about +\$138.
- Keep **MaxOrders** and the **Account protection** stop (MaxDDPercent / MaxLossMoney) as safety limits; a basket **VirtualSLpips** can be added too.
- Base distance is **BaseDistancePips**; switch **DistanceMode** to Method 1 or 2 to widen the grid deeper into a basket.
- The single set file fits both 2-digit and 3-digit brokers because every distance is in pips.

Risk warning. Martingale and grid strategies carry a high risk of large drawdowns: a strong, sustained move against an open basket can grow the loss quickly, especially with a lot multiplier and without strict order/drawdown limits. The trend filter shifts the odds but does not remove tail risk. Always test on a demo account, include volatile and gap periods, and trade only with capital you can afford to lose. Past performance does not guarantee future results.

Compatibility: MetaTrader 4 (build 600+) and MetaTrader 5. Works on any symbol; presets are tuned for Gold. No DLLs, no external dependencies.