

GOLD SCALPERS EA

v4.10

Slope × 50 EMA crossover scalper with ZeroLag MACD confirmation · MetaTrader 5 · goldscalpers.com

Gold Scalpers EA trades **XAUUSD on the M5 timeframe**. It enters when the **Slope Direction Line crosses the 50 EMA** (up = buy, down = sell), confirmed by the **ZeroLag MACD**. The stop sits at the **most recent swing low/high beyond the 50 EMA** — real market structure. Each entry can **pyramid** a small set of add-on trades that press a winning move — all sharing the first order's stop — tightened by a step-stop on every add and a break-even lock. Risk is bounded by daily profit / loss limits, a max-drawdown day-lock, position and spread caps, session and news filters, a chop filter, a loss-streak cooldown, and an optional no-overnight flatten.

Quick start

1. Copy **Gold Scalpers EA.ex5** into MQL5 › Experts. The indicators are **bundled inside the EA** — nothing else to install. Restart MT5 (or refresh the Navigator).
2. Open a normal **XAUUSD M5** chart (the EA's signal timeframe defaults to M5).
3. Switch **Algo Trading** on (button green).
4. Drag **Gold Scalpers EA** onto the chart → tick **Allow Algo Trading** → **OK**.
5. *Optional — Telegram alerts only:* in Tools › Options › Expert Advisors add **<https://api.telegram.org>** to the WebRequest allow-list.

Timeframe. The signal timeframe is **M5 by default** — the strategy is tuned for it, and the EA reads M5 regardless of the chart TF. For testing you can set the Timeframe input to **M1 / M15** (or **Current** to follow the chart/tester TF). The confirmation bars, MACD and chop filter absorb the noise — raise them if you see whipsaw, loosen if too quiet. All “pips” below are the pair's normal pip units.

The v4.10 system at a glance

- Slope + 50 EMA + ZeroLag MACD entries
- Momentum Pyramiding (1 + up to 30 add-ons)
- Step-stop tightens on each add
- Step-stop on every add-on
- Per-trade SL / TP
- Auto or fixed lots
- Daily profit / loss & drawdown lock
- Session filter (Sydney/Tokyo/London/NY)
- No-overnight flatten
- MT5 news-calendar pause
- Pop-up / push / Telegram alerts
- Live on-chart dashboard
- BUY / SELL chart arrows
- Chop filter + loss-streak cooldown
- Single-file (indicators bundled in)

How it trades

ENTRY — TWO SELECTABLE TRIGGERS (ENTRYMODE)

Evaluated on the **last closed bar**:

- **Slope × EMA cross** (*default*) — the Slope line crossing the yellow 50 EMA: cross **up** → **Buy**, cross **down** → Sell.
- **Slope flip** — the Slope line changing colour (lime = buy, magenta = sell) with the bar on the correct side of the 50 EMA.
- **Either** — enter when either trigger fires.

Whichever trigger you pick is still filtered by **ZeroLag MACD** (must be on the correct side of zero), the optional confirmation candles, and the chop filter.

MOMENTUM PYRAMIDING — PRESSING THE MOVE

On a signal the EA opens **1 market order** plus (by default) **2 stop orders** — up to 30 via AdditionalTrades — spaced apart **in the trade direction**. By default the spacing is a **fixed PipsInterval** (\$4.00 on gold), and is never tighter than the broker's minimum stop distance, so add-ons don't bunch up on top of the entry. Every add-on carries the **same stop loss as the first order** — one basket stop. That stays true as the trade develops: when break-even or the step-stop moves the live stop, the waiting add-ons are moved with it, so the whole basket always shows one SL line. They fill one by one only as price runs your way, pyramiding into the winning move — it never averages down into a loser. Each add-on's lot can grow or shrink with AddLotMultiplier. Turn UseScaleIn **off** for a single entry with no pyramiding.

Optional: ATR auto-spacing. The add-on gap is a fixed PipsInterval unless you turn it on. Set UseAtrSpacing = **true** and the gap becomes AtrSpacingMult × ATR(AtrPeriod) — so it **auto-scales** to the instrument and to calm vs volatile sessions, and widens in fast markets so the add-ons stay spread out. Recommended when you run several pairs from one setting, or leave it **off** and tune PipsInterval per instrument. Either way the gap is floored at the broker's minimum stop distance.

STOPS — THREE LAYERS

- **Structure stop** — the SL sits at the most recent **swing low (buy) / swing high (sell) beyond the 50 EMA**, plus SwingSLBufferPips. Pyramid add-ons carry the **same stop as the first order**.
- **Step stop** — each time a new add-on fills, all stops are pulled to StepStopDistancePips from price, locking in more with every add.
- **Break-even** — once a trade is BreakEvenPips in profit, its stop jumps to entry plus BreakEvenLockPips, so a winner can no longer turn into a loser.

EXITS

- At the per-trade take-profit (TakeProfitPips), if set;
- or when the step stop is hit;
- or at FlatTime if **No-overnight** is on (all closed, no new trades until next day).

MANUAL & VISUAL

The dashboard's **Buy market** / **Sell market** buttons open a full pyramid on demand; **Close all** flattens; **Pause** halts auto-entries. Every signal drops a **BUY** arrow below the bar or a **SELL** arrow above it, right on the crossover, so you can see exactly where the EA fired.

No preset needed. The EA's default settings ARE the tuned gold configuration — attach it to a XAUUSD M5 chart, click OK, done. Out of the box it pyramids up to **2 add-ons** with fixed spacing (ATR auto-spacing **off**), a swing-based stop, break-even and the step-stop, trading the London and New York sessions. Always validate with a Strategy-Tester run first.

Settings — inputs & defaults

Grouped exactly as in the MT5 inputs dialog.

1 · MAIN

Input	Default	What it does
AllowBuy	true	Enable long (buy) trades.
AllowSell	true	Enable short (sell) trades.
EnableAutoTrading	true	Master switch for automatic entries (manual buttons still work when off).
DrawIndicators	true	Draw the Slope line, 50 EMA and ZeroLag MACD on the chart when the EA loads.

2 · MONEY & RISK

Input	Default	What it does
DailyProfitTarget	200	Stop opening new trades for the day after this \$ profit (0 = off).
DailyLossLimit	90	Close all & stop for the day after this \$ loss (0 = off).
MaxDrawdownPct	12	Close all & pause for the day if equity drawdown % exceeds this (0 = off).
MaxTradesPerDay	14	Max new baskets per day (0 = unlimited).
MaxOpenPositions	3	Max positions open before a new basket is allowed.
MaxSpreadPips	30	Block new entries when the spread is wider than this (0 = off).
FixedLot	0.01	Lot size for every entry.
PropFirmMode	false	Enforce prop-firm-style % limits from balance baselines (in addition to the \$ limits above).
PropDailyLossPct	4.0	Daily loss limit, % of the day-start balance — closes all and stops for the day.
PropMaxDrawdownPct	8.0	Max total drawdown % — breach closes all and locks trading until the EA is reloaded.
PropTrailingDD	false	Off = drawdown measured from the starting balance (static); on = trails the equity high-water.

3 · TRADE MANAGEMENT (MOMENTUM PYRAMIDING)

Input	Default	What it does
MagicNumber	443439061	Unique ID tagging this EA's trades.
UseScaleIn	true	Pyramid add-on trades as price runs in favour (off = single entry, no pyramiding).
AdditionalTrades	2	Pyramid add-ons placed above/below the entry (1–30). They fill only as price runs in your favour.
PipsInterval	300.0	Pip spacing between add-ons (gold 300 = \$3). Keep it BELOW the take profit so add-ons fill while the first trade is still open.
UseAtrSpacing	false	OPTIONAL. Off = fixed PipsInterval. On = space add-ons by ATR, auto-scaling to volatility (overrides PipsInterval).
AtrPeriod	14	ATR period used for the add-on spacing.
AtrSpacingMult	2.0	Add-on spacing = this × ATR (floored at the broker's minimum stop distance).

AddOnLot	0.01	Lot size for EVERY pyramid add-on (0 = use the multiplier below).
AddLotMultiplier	1.0	Lot multiplier per add-on, only used when AddOnLot = 0 (1.0 = same size as the entry).
SwingSLBufferPips	20.0	SL = the most recent swing low (buy) / swing high (sell) beyond the 50 EMA, plus this buffer (\$0.20 on gold).
TakeProfitPips	500.0	Take profit per trade, in pips (0 = none; ride the step-stop). On gold, 500 = \$5.00.
UseStepStop	true	Tighten every stop each time a new scale-in trade fills.
StepStopDistancePips	300.0	Step-stop distance from price when a new trade fills (gold 300 = \$3). Keep it at or below the add-on spacing.
UseBreakEven	true	Move the SL to entry once a trade is in profit, so a winner can't become a loser.
BreakEvenPips	300.0	Profit (pips) that triggers the break-even move (\$3.00 on gold).
BreakEvenLockPips	200.0	Pips of profit locked in when break-even fires (\$2.00). Keep it well under the trigger — a lock close to the trigger puts the stop on top of price.
SyncPendingSL	true	On = the waiting add-ons are dragged to the same stop as the open trades, so the whole basket shows one SL line and exits together. Off = the add-ons keep the stop they were placed with, so each trade reaches its own break-even from its own entry (more room per add-on, staggered stops).
SlippagePips	20.0	Max price deviation allowed when filling (\$0.20 on gold — too tight causes requotes).

4 · STRATEGY (INDICATORS)

Input	Default	What it does
Timeframe	M5	Signal timeframe (default M5; Current = chart/tester TF, or force M1 / M15 for testing).
EntryMode	Slope×EMA	Entry trigger: Slope×EMA cross (default), Slope colour flip, or Either.
SlopePeriod	12	Slope Direction Line period.
SlopeMethod	2	Slope smoothing (0 SMA, 1 EMA, 2 SMMA, 3 LWMA).
SlopePrice	0	Applied price (0 = Close).
EmaPeriod	50	Trend-filter EMA period (the yellow line).
MacdFastEMA / SlowEMA	12 / 24	ZeroLag MACD fast / slow periods.
UseMacdFilter	true	Require MACD on the correct side of zero to enter.

5 · ENTRY CONFIRMATION

Input	Default	What it does
OnlyWithTrendEma	true	Only BUY above / SELL below the 50 EMA (the core strategy rule).
ConfirmCandles	1	Wait this many bars after the trigger, all closing in the trade direction (0 = enter immediately).
MinBodyRatio	0.25	Min body-to-range of the confirm bar (0 = off; filters weak candles).

5B · CHOP / WHIPSAW CONTROL

Input	Default	What it does
UseChopFilter	true	Skip signals when price is hugging the 50 EMA (a ranging market).
MinEmaGapBoxes	0.8	Min distance from the 50 EMA to trade, in average-bar-body sizes (auto-scales to any instrument).
UseLossCooldown	true	Pause new entries after a losing streak.
CooldownLossStreak	3	Consecutive losing baskets that trigger the pause.
CooldownMinutes	30	How long the pause lasts.

6 · TRADING SESSIONS (BROKER SERVER TIME)

Input	Default	What it does
OnlyTradeSessions	true	Only open new trades during the enabled sessions below.
SessSydney	false	Sydney session on/off (window 21:00–06:00 server time, fixed).
SessTokyo	false	Tokyo (00:00–09:00) — off by default: the Asian range is choppy.
SessLondon	true	London (07:00–16:00).
SessNewYork	true	New York (13:00–22:00).
NoOvernight	true	Close all & stop new trades before end of day.
FlatTime	23:50	Server time to flatten (HH:MM).

7 · NEWS FILTER (MT5 ECONOMIC CALENDAR)

Input	Default	What it does
NewsFilter	true	Pause trading around economic news (built-in MT5 calendar — no external feed).
NewsBeforeSec / AfterSec	3600 / 3600	Pause window before / after each release, in seconds.
NewsHigh / Medium / Low	true / false / false	Which impact levels trigger the pause.

The news filter needs a live, connected terminal with calendar data — it is automatically skipped inside the Strategy Tester.

8 · ALERTS & NOTIFICATIONS

Input	Default	What it does
PopupAlert	true	Terminal pop-up on trade events.
PushAlert	true	Push notification to the MT5 mobile app.
TelegramAlert + Token + ChatID	false	Telegram messages on trade events (set your bot token + chat ID; needs the WebRequest allow-list).
SetupFormingAlert	true	“Ready to trade” alert when a setup’s readiness passes the threshold.
ReadinessAlertPct	80	Readiness % that triggers the alert.
MinMinutesBetweenAlerts	20	Minimum minutes between “ready” alerts (stops spam).

9 · DASHBOARD & CHART

Input	Default	What it does
ShowDashboard	true	The on-chart status panel.
ShowControlButtons	true	Pause / Close-all / Hide-Panel buttons.
ShowManualButtons	true	Manual Buy market / Sell market buttons.
ShowReadinessBar	true	Live SIGNAL readiness bar.
ShowSignalArrows	true	Draw BUY / SELL arrows where signals fire.

10 · LICENCE

Input	Default	What it does
License_URL	—	READ-ONLY. Shows the address you must allow in Tools > Options > Expert Advisors (https://goldscalpers.com). Editing it has no effect — the EA always uses the built-in address.

Activating your licence. Submit your MT5 account number at goldscalpers.com/thank-you — it is authorised automatically, usually within about two minutes, and the EA picks it up on its own (no restart needed). Demo accounts run free. If the licence server is ever unreachable the EA keeps trading rather than locking you out.

Reading the dashboard

Gold Scalpers EA

v4.10

GBPJPY M1

210.742

● running

SIGNAL

SELL 100%

Sell signal ready

MARKET Session

London

News · Spread

1.8clear

Status pill — why it is / isn’t trading: *running, paused, flat – end of day, waiting – session / news, or stopped – drawdown / loss / target.*

SIGNAL bar — live 0–100% readiness with a BUY/SELL bias and a plain-English label; the “ready” alert fires when it passes your threshold.

MARKET — the active session, news state and current spread.

PERFORMANCE (below) shows open positions, today’s trades, win rate, day P&L and the last signal.

Buttons — Pause / Resume, Close all, Hide Panel, and manual Buy / Sell market.

Backtesting

Backtesting is direct — there is nothing to build. In the Strategy Tester pick XAUUSD, set the period to **M5**, modelling to **Every tick** (or **1 minute OHLC** for a faster pass), and choose a **recent date range** — the last 2–3 months is a good start. The default inputs are already the tuned gold configuration — just tick **Visual mode** to watch the crossovers, arrows and dashboard populate. What you test is exactly what runs live: same chart, same symbol, same code.

Risk notice. Trading leveraged products carries substantial risk. Past or simulated performance does not guarantee future results. Test every setting on a demo / Strategy-Tester before trading real funds, and only risk capital you can afford to lose. This guide is technical documentation, not financial advice.