

Sweep & Pinbar

Software v1.06 | Manual v1.0 | 13 October 2026 | MetaTrader 5

A closed-candle rejection strategy.
One previous candle. One confirmed sweep. Clear trade management.

BUY: sweep, reclaim, then next-bar entry

Schematic only - not historical price data



EA LAB

We build the robot. You build its configuration.

This manual explains the exact implemented rules, the supplied GOLD H1 preset, real trade examples, licensing and a repeatable testing workflow. Customer-facing instructions are in English, following the EA LAB production standard.

Read before live use. This is configurable trading software. Historical results describe one supplied test, not future performance. A hard stop does not guarantee its execution price. Test the configuration on your own broker and account before live use.

Support: ea@ea-lab.dev | Website: ea-lab.dev

Your map to the manual

Page	Section
3	Quick start and platform requirements
4-5	Exact BUY / SELL rules and worked signal examples
6	Stops, exit modes and trade sizing
7	Candle trailing and inside-bar pause
8-11	Real trade examples: TP, profitable SL, losses and EMA context
12	Supplied GOLD H1 preset versus code defaults
13-16	Complete parameter reference
17	Backtesting and embedded optimization ranges
18	Custom Max / Smooth Equity
19	Supplied test results and evidence
20	Licensing, diagnostics and troubleshooting
21	Operating checklist, limitations and source record

What this robot actually does

EA016 compares the last closed signal candle [1] with the immediately preceding candle [2]. It searches for a low or high sweep followed by a reclaim. An optional pinbar shape filter tightens the rejection pattern. An optional completed-timeframe EMA filters direction.

It sends a market order on the first eligible tick of the next signal candle. Every new position receives a hard SL. The selected exit mode can add a fixed RR target or an opposite-signal exit; candle trailing can run alongside either mode.

Not a swing-liquidity detector. The sweep reference is candle [2], not an automatically detected multi-bar swing, session high/low or institutional liquidity pool.

Quick start

1. Install the compiled EA

In MT5 choose File > Open Data Folder. Put the supplied v1.06 EX5 in MQL5/Experts. Refresh Navigator or restart MT5. The customer installation uses EX5; MQ5 is source code for development.

2. Prepare the symbol

Open the exact broker symbol. The supplied example uses GOLD.pro with signal TF H1. Another gold symbol can have different point size, contract size, spread and sessions.

3. Load the preset

Attach EA016 to a chart. In Inputs click Load and select EA_016_Sweep_Pinbar_GOLD_H1.set. Confirm every value before enabling trading. Loading the preset changes the code defaults.

4. Activate demo/live use

Enter your own InpLicenseKey. In Tools > Options > Expert Advisors allow WebRequest for <https://ea-lab.dev>. Enable algorithmic trading both in the terminal and EA settings.

5. Test and inspect

Run a single Strategy Tester test first, then use visual mode to inspect entries and exits. The tester does not require a license key or online validation.

Keep MT5 running. Initial SL/TP are submitted to the broker. Candle trailing, opposite-signal exits, new entries and license maintenance require the terminal or VPS to keep running and connected.

Supported scope: MT5 broker instruments with valid bars, quotes, tick size, volume rules and margin calculation. The supplied evidence covers GOLD.pro H1 only. Chart timeframe and InpSignalTF are separate; matching them makes visual inspection easier.

The exact signal contract

BUY	SELL
Candle [1] low < candle [2] low minus sweep threshold.	Candle [1] high > candle [2] high plus sweep threshold.
Candle [1] close > candle [2] low plus reclaim threshold.	Candle [1] close < candle [2] high minus reclaim threshold.
When direction is required: close > open.	When direction is required: close < open.
If pinbar filter is enabled: dominant lower tail; close near the high.	If pinbar filter is enabled: dominant upper tail; close near the low.
If EMA is enabled: signal close > completed source-TF EMA.	If EMA is enabled: signal close < completed source-TF EMA.

Shape measurements

Body = |close - open|. Range = high - low. Lower tail = min(open, close) - low. Upper tail = high - max(open, close). The minimum body threshold applies even when the pinbar shape filter is off.

For BUY, lower tail must be at least body x InpMinTailToBodyRatio; body percentage must not exceed its maximum; close location from the low must meet its minimum; upper-tail percentage must not exceed its maximum. SELL mirrors these tests from the high.

Pinbar shape enabled also forces a bullish BUY candle or bearish SELL candle, even if InpRequireCandleDirection is false. Doji candles are rejected by the shape filter. Sweep and reclaim comparisons are strict: exact equality does not qualify.

What happens after confirmation

A qualifying direction still needs an allowed side, valid license for demo/live, entry hours, acceptable spread, no blocking position, usable SL, valid lot size and enough free margin. One signal is processed once per signal bar. Missing candle/EMA data can be retried, but a rejected order is not repeatedly sent on every tick.

Worked BUY and SELL setups

Illustrative values only. These are teaching examples, not copied market bars.

BUY example: all shape checks pass

Assume point size 0.01, previous low 100.00, sweep and reclaim thresholds 10 points each.
Trigger candle: O=100.20, H=100.95, L=99.50, C=100.90. Its body is 0.70, range 1.45 and lower tail 0.70.

Check	Calculation
Sweep	$99.50 < 100.00 - 0.10$: pass
Reclaim	$100.90 > 100.00 + 0.10$: pass
Tail/body	$0.70 / 0.70 = 1.00$
Body/range	$0.70 / 1.45 = 48.28\%$
Close location	$(100.90 - 99.50) / 1.45 = 96.55\%$
Opposite wick	$(100.95 - 100.90) / 1.45 = 3.45\%$

This candle qualifies with ratio minimum 1.0, body maximum 50%, close minimum 80% and opposite-wick maximum 25%. It does not qualify with the supplied preset body maximum 35% or ratio minimum 1.25. A visually convincing candle can fail the configured numbers.

SELL example: preset-style shape

Previous high 200.00; point 0.01; thresholds 10 points. Trigger O=199.60, H=200.80, L=199.15, C=199.20. Body 0.40; range 1.65; upper tail 1.20. Tail/body = 3.0; body/range = 24.24%; close location from high = 96.97%; opposite wick = 3.03%. The high sweeps 200.10 and the close reclaims below 199.90. With a minimum body no greater than 40 points, the preset-style shape thresholds pass.

The supplied GOLD preset requires a 200-point minimum body. This illustrative 40-point body would therefore be rejected by that preset. Thresholds are broker points; they are not universal gold price distances.

Hard SL, exits and sizing

SL mode	Initial stop calculation
Signal extreme (0)	BUY: signal low minus buffer. SELL: signal high plus buffer.
ATR (1)	Entry minus/plus last closed signal-TF ATR x multiplier.
Fixed points (2)	Entry minus/plus selected point distance.

The EA can widen the initial stop to satisfy the broker minimum stop distance, then rounds it outward to tick size. Lot sizing uses that resulting SL. A fixed RR target is rounded outward too; an invalid broker target distance causes the entry to be skipped.

Exit mode	Behaviour
Fixed RR (0)	TP = entry +/- initial price risk x InpRewardRisk. Candle trailing remains active if enabled.
Opposite signal (1)	Close own position when a qualified opposite direction is returned. No fixed TP. The close is evaluated before entry hours/license checks.
Trailing only (2)	No fixed TP. Initial hard SL plus candle trailing. Initialization requires trailing enabled.

Percentage-risk mode

Target risk = current account balance x risk percentage. The EA uses OrderCalcProfit for a one-lot move from entry to SL, then computes lots from that loss. Volume is rounded down to broker step and capped at InpMaxVolume and broker maximum. If it falls below minimum volume, the entry is skipped; the EA does not raise risk to force a trade.

Fixed-lot mode uses the configured lot subject to downward step rounding and caps. Free margin is checked before sending. Actual loss can differ through fills, gaps, spread, swap and fees. The supplied 3% is a configuration value, not a guaranteed maximum realized loss.

Candle trailing, step by step

Trailing moves only at a new trailing-TF candle and uses completed candles [1..N]. BUY takes their lowest low minus buffer. SELL takes their highest high plus buffer. It moves only in the protective direction and checks broker stops/freeze constraints. It never replaces a missing initial hard SL.

Setting	Supplied GOLD H1 preset
Trailing TF	H1
Lookback	3 completed candles
Buffer	80 broker points
Inside-bar pause	Enabled
Fixed TP	3.5R is also active

Inside-bar pause

If the last closed candle is fully contained in the previous candle, the EA remembers that previous candle as the mother range and pauses stop advancement. A later closed candle must close strictly outside the remembered high or low to release the pause. A wick break alone is insufficient.

Worked BUY trailing example

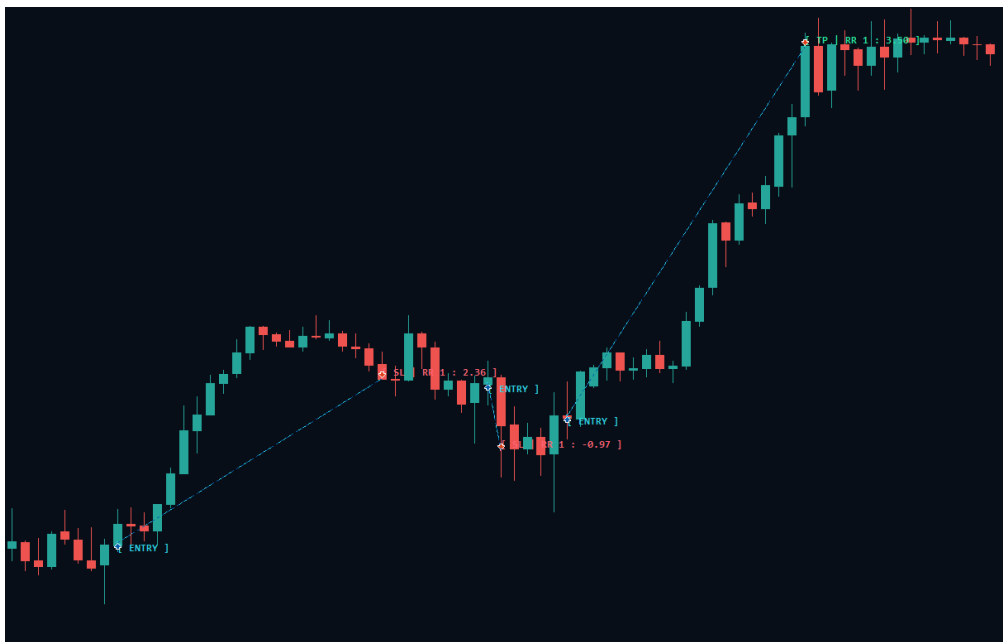
Point=0.01; last three closed lows=101.20, 101.60, 101.40; buffer=20 points. Candidate SL=101.20-0.20=101.00. With old SL=100.00, this is an improvement; with old SL=101.10 it is rejected as a loosening move. Broker price-distance rules must also pass.

Mother range high=103.00, low=101.00. An inside candle high=102.70, low=101.30 starts a pause. A later candle reaching 103.20 but closing 102.90 does not release it. A close at 103.10 does. Breakout can occur through either boundary; it is not an additional entry signal.

Trailing state resets for each new position. The first trailing observation of a new position establishes the current trailing bar; movement begins after the next completed trailing bar. Stop updates rejected by the broker are logged and reconsidered on a subsequent trailing bar, not continuously on the same bar.

Real example: three BUY outcomes

Source: supplied screen01 and GOLD H1 report. Prices and times are broker/tester values.



Trade	Entry / initial SL / exit	Realized price R
28 Jan 2025	2741.42 / 2733.83 / 2759.35 Exit 29 Jan 07:59:54, SL	+2.36R
29 Jan 2025 15:00	2758.79 / 2751.30 / 2751.50 Exit 16:27:38, SL	-0.97R
29 Jan 2025 21:00	2755.28 / 2743.80 / 2795.46 Exit 30 Jan 16:55:42, TP	+3.50R

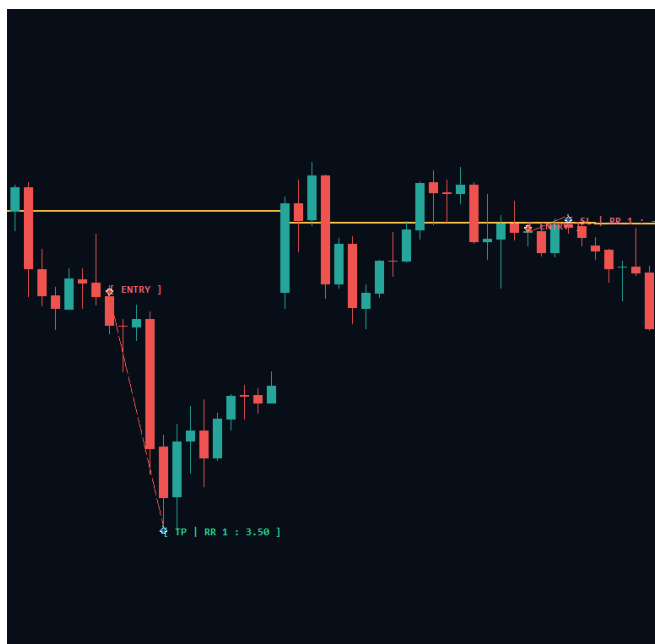
Why a red SL label can still mean a profitable trade

The first position closed through its trailing stop above entry. Its broker reason is SL, while its achieved price R is positive. The label identifies the execution reason, not whether money was made. The original stop distance remains the RR denominator even after trailing changes the live SL.

RR here measures price distance only. It excludes commission and swap. Therefore $RR \times \text{intended risk}$ is not an exact net account return. The second trade also shows why SL can be near -1R without being exactly -1.00 after execution.

Real example: a SELL win and loss

Source: supplied screen04 and GOLD H1 report.

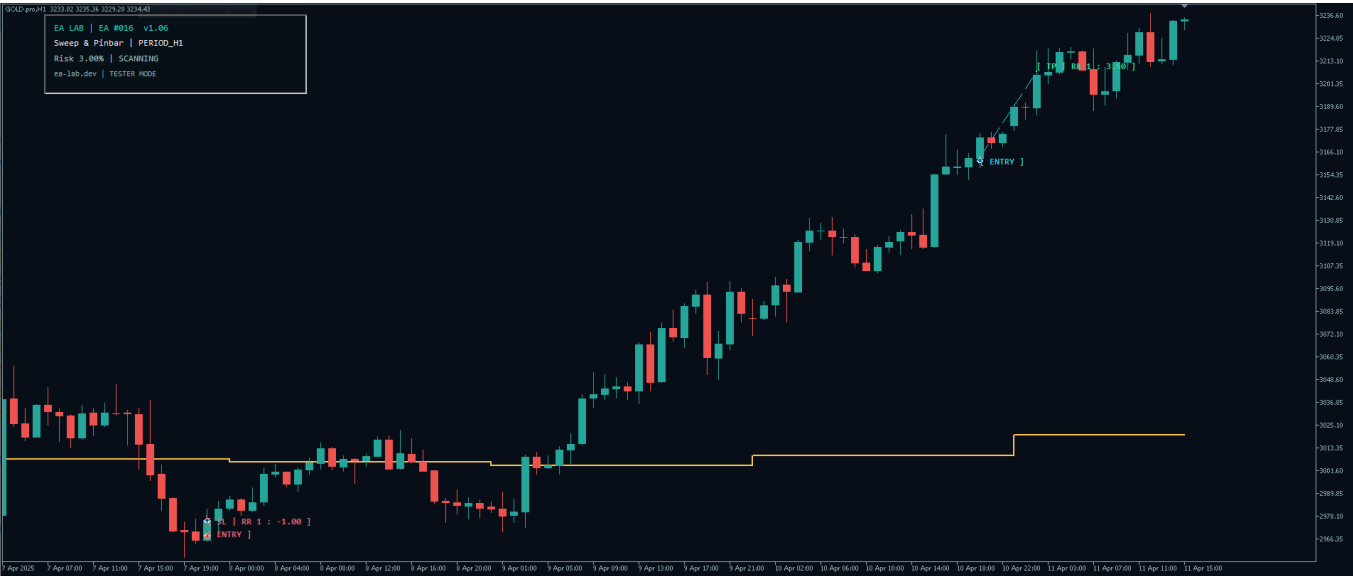


SELL trade	16 May 2025	19 May 2025
Entry time	09:00:00	18:00:00
Entry price	3215.24	3231.68
Initial SL	3232.26	3240.87
Exit price	3155.66	3235.99
Exit time	13:54:57	21:15:35
Execution reason	TP	SL
Realized price R	+3.50R	-0.47R

For SELL: $R = (\text{entry} - \text{exit}) / (\text{initial SL} - \text{entry})$. The first price move is 59.58 against an initial risk of 17.02. The second loses 4.31 against an original risk of 9.19; trailing reduced the final price loss. Neither outcome should be relabelled by looking only at candle colour.

EMA context does not remove losses

Source: supplied screen03 and GOLD H1 report.



Trade	What the report shows
7 Apr 2025 SELL	Entry 21:00 at 2965.90; initial SL 2977.73; exit 21:32:30 at 2977.77. Achieved price R approximately -1.00.
10 Apr 2025 BUY	Entry 20:00 at 3163.27; initial SL 3150.69; exit 11 Apr 02:38:14 at 3207.30. Achieved price R +3.50.

The yellow stair-step line is the completed-source-TF EMA display. In the supplied preset it is a D1 EMA with period 30. Intraday bars use the previous completed D1 EMA, not the eventual current-day value.

The filter tests the signal candle close against that completed EMA. It does not require an EMA slope, crossover or distance. It is not recalculated from the visible intraday chart timeframe. A valid SELL below the EMA can still hit its stop, as this example illustrates.

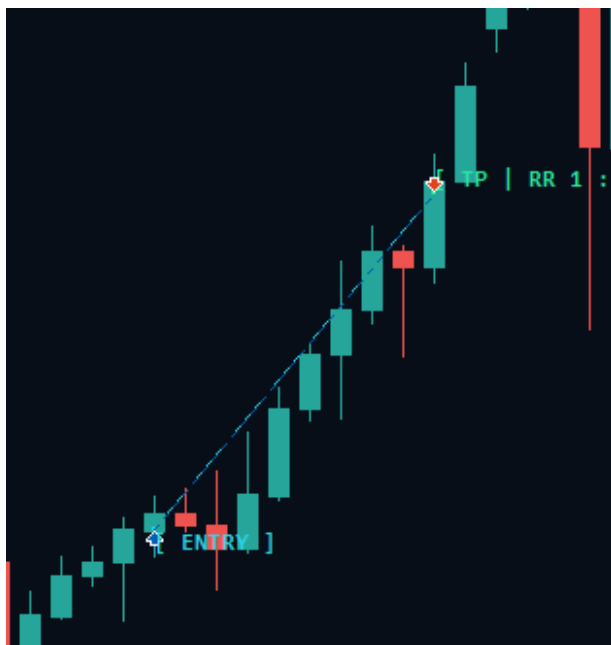
Do not infer the complete trigger OHLC or all shape measurements from a scaled screenshot alone. These examples verify actual entries, exits and configured management. Exact bar-rule auditing requires the same broker history and settings in visual testing.

Two more real TP examples

Sources: supplied screen02, screen05 and corresponding report deals.



10 February BUY. Entry 19:00 at 2903.46; initial SL 2895.69. Exit 11 February 02:13:35 at 2930.72 versus requested TP 2930.66. Achieved price $R = (2930.72 - 2903.46) / (2903.46 - 2895.69) = 3.51$. A slightly different fill explains why the label exceeds the requested 3.5R.



16 October BUY. Entry 12:00 at 4239.68; initial SL 4220.93. Exit 21:54:30 at 4305.32 versus requested TP 4305.31. Achieved price R approximately 3.50. The later chart movement is not part of this closed trade.

The supplied GOLD H1 configuration

Feature	Code default	Supplied preset
Signal TF	H1	H1
Sweep / reclaim minimum	0 / 0 points	100 / 100 points
Minimum body	0 points	200 points
Pinbar ratio / body maximum	1.50 / 45%	1.25 / 35%
Close location / opposite wick	65% / 25%	80% / 45%
EMA filter	Off; D1, period 10	On; D1, period 30
Entry hours	Off; 08-22	On; 08-22 broker time
Initial SL	Signal extreme + 10 points	Signal extreme + 100 points
Exit mode / fixed target	Trailing only / unused 2R	Fixed RR / 3.5R
Candle trailing	H1, 2 bars, 10 points	H1, 3 bars, 80 points
Inside-bar pause	On	On
Money management	3% balance risk	3% balance risk
Max spread	0: off	0: off

The supplied SET is an example configuration, not a universal optimized setting. Entry hours allow 08:00 through 21:59 in broker server time. Trailing and exits continue outside that window; positions may remain open overnight and over weekends.

Preset metadata contains ranges outside accepted limits, including EndHour stop=220 and TrailCandles stop=6. All optimization flags are N, so those unused ranges do not affect a single run. Numeric ranges in OnTesterInit reset applicable tester ranges. Confirm the Inputs grid before optimization; do not simply enable every SET flag.

Parameter reference: signals

Values below are code defaults. Preset differences are summarized on page 12.

Input / default	Purpose
InpSignalTF PERIOD_H1	Closed-candle signal TF; choose manually.
InpAllowBuy true	Allow BUY signals, including opposite exits of SELLS.
InpAllowSell true	Allow SELL signals, including opposite exits of BUYs.
InpMinSweepPoints 0.0	Minimum wick beyond previous extreme; strict comparison.
InpMinCloseBreakPoints 0.0	Minimum close reclaim beyond prior extreme.
InpRequireCandleDirection true	Require bullish BUY / bearish SELL candle.
InpMinBodyPoints 0	Absolute minimum body in broker points.
InpUsePinbarShape true	Enable all tail/body/range/close checks; also forces direction.
InpMinTailToBodyRatio 1.50	Dominant rejection tail divided by body.
InpMaxBodyPercentOfRange 45.0	Maximum body percentage of candle range.
InpMinCloseLocationPercent 65.0	Minimum close location toward desired end.
InpMaxOppositeWickPercent 25.0	Maximum opposite wick percentage of range.
InpOnePositionPerSymbol true	Block entry if any symbol position exists; netting always blocks it.

Strategy inputs marked OPT in the code are candidates for staged optimization. Technical settings are sinput. Labels and graphics do not change signal calculations.

Parameter reference: filters and exits

Values below are code defaults. Preset differences are summarized on page 12.

Input / default	Purpose
InpUseEMAFilter false	Enable completed source-TF EMA price filter.
InpEMATF EMA_TF_D1	EMA TF: H1, H4 or D1 only.
InpEMAPeriod 10	EMA lookback in source-TF candles.
InpUseTradingHours false	Restrict new entries only.
InpStartHour 8	Start hour inclusive; broker server time.
InpEndHour 22	End hour exclusive. Equal hours mean all day; overnight windows supported.
InpMaxSpreadPoints 0	Maximum entry spread; 0 disables filter.
InpSLMode SL_SIGNAL_EXTREME	0 signal extreme; 1 ATR; 2 fixed points.
InpSLBufferPoints 10	Buffer for signal-extreme initial SL.
InpATRPeriod 14	ATR period on signal TF; used only for SL_ATR.
InpATRMultiplier 1.5	Initial ATR stop multiplier; used only for SL_ATR.
InpSLFixedPoints 250	Initial stop distance; used only for fixed-points SL.
InpExitMode EXIT_TRAILING_ONLY	0 fixed RR; 1 opposite signal; 2 trailing only.
InpRewardRisk 2.0	Initial fixed TP ratio; used only with Fixed RR.

Strategy inputs marked OPT in the code are candidates for staged optimization. Technical settings are sinput. Labels and graphics do not change signal calculations.

Parameter reference: trailing and execution

Values below are code defaults. Preset differences are summarized on page 12.

Input / default	Purpose
InpUseCandleTrailing true	Enable completed-candle SL updates.
InpTrailTF PERIOD_H1	Accepted: M30, H1 or H4; choose manually.
InpTrailCandles 2	Trailing extreme from 1-4 closed candles.
InpTrailBufferPoints 10.0	Buffer outside the trailing extreme.
InpTrailPauseInsideBar true	Pause stop advancement until close exits mother range.
InpMMMode MM_RISK_PERCENT	0 percentage risk of balance; 1 fixed lot.
InpRiskPercent 3.0	Target entry risk; used only in risk mode.
InpFixedLot 0.10	Requested volume; used only in fixed-lot mode.
InpMaxVolume 10.0	Maximum volume cap, also constrained by broker.
InpMagic 5505016	EA ownership ID. Use a separate value per instance.
InpDeviationPoints 30	Order execution deviation in broker points.
InpLicenseKey ""	Your private purchased license; blank in shared presets.

Strategy inputs marked OPT in the code are candidates for staged optimization. Technical settings are sinput. Labels and graphics do not change signal calculations.

Parameter reference: visuals and ranking

Values below are code defaults. Preset differences are summarized on page 12.

Input / default	Purpose
InpShowVisuals true	Master graphics switch; optimization suppresses graphics.
InpShowMTFEMA true	Show filter EMA when its filter is enabled.
InpMTFEMABars 150	30-300 chart bars for stair-step EMA display.
InpSetDarkChart true	Apply native dark candles with visible wicks.
InpHideNativeChartLines true	Hide native quotes/trade overlays; visual tester indicator display cleared.
InpShowTradePaths true	Draw actual deal labels and entry-to-exit paths.
InpShowRR true	Show achieved price R at exit only.
InpTradeLabelFontSize 9	Entry text size; rendered maximum 11 pt.
InpRRFontSize 9	Exit/RR text size; rendered maximum 11 pt.
InpMaxTradeBadges 100	Bounded count of retained trade labels.
InpOptimizationCriterion EALAB_OPT_SMOOTH_EQUITY	0 Net Profit; 1 Smooth Equity; manual selection.
InpOptimizationMinTrades 40	Minimum completed trades, default 40; rank filter only.
InpOptimizationMaxDDPercent 35.0	Maximum relative equity DD, default 35%; rank filter only.
InpOptimizationDebug false	Optional score diagnostics; not a strategy parameter.

Strategy inputs marked OPT in the code are candidates for staged optimization. Technical settings are sinput. Labels and graphics do not change signal calculations.

Backtesting and optimization

First reproduce the supplied run

Select v1.06, GOLD.pro, H1 and 2025-01-01 to 2026-10-01. Load the supplied SET. Use initial deposit 5,000 USD and leverage 1:100 to match the report. Match the broker history, symbol specifications and costs. The HTML reports 99% history quality; this does not alone prove a particular modelling mode.

Inspect a visual sample

Check actual next-bar entries, signal candle [1] versus [2], hard SL placement, EMA alignment and trailing pauses. Compare one visual and one nonvisual run with identical settings. Changing modelling mode can change intrabar stops and targets.

Optimize in stages

Hold risk, hours and technical settings fixed first. Optimize shape and sweep thresholds in a limited neighbourhood. Then evaluate EMA and exit/trailing choices. Choose signal/EMA/trailing timeframe enums manually; their MT5 numeric codes are not evenly spaced.

Validate on unused data

Reserve a time period excluded from parameter selection. Test nearby values, other spread/cost assumptions and another broker where possible. Evaluate trade count, equity drawdown and dependence on a few trades. A high training score is not evidence of future profitability.

Embedded numeric range	Start / step / stop
Sweep / reclaim	0 / 10 / 100 points
Minimum body	0 / 20 / 100 points
Tail ratio; body%; close%; opposite wick%	1 / 0.25 / 4; 15 / 5 / 60; 55 / 5 / 90; 5 / 5 / 40
EMA; ATR period; ATR multiplier	5 / 5 / 100; 7 / 7 / 28; 1 / 0.5 / 3
SL buffer; fixed SL; RR	0 / 10 / 100; 100 / 100 / 1000; 1 / 0.5 / 4
Trail candles; trail buffer	1 / 1 / 4; 0 / 10 / 100

OnTesterInit preserves checkbox states and current single-test values, but sets numeric ranges for the named inputs. The supplied body=200 and opposite wick=45 are valid single-run values outside their embedded optimization search ranges. To search those values, a revised range definition in code is required.

Custom Max / Smooth Equity

Choose Custom max in the MT5 optimization criterion. Other tester criteria do not use this ranking. The default EA mode is Smooth Equity; Net Profit is a manual alternative. The score does not manage trades or impose a live drawdown stop.

Hard gate in both modes	Default acceptance rule
Trade count	At least 40 completed trades
Drawdown	Maximum relative EQUITY DD no greater than 35%
Statistics	Profit, trade count and DD must be finite
Failure result	-1e100: rejected pass; never treat it as qualified

Net Profit mode

After passing the gates, the score is unchanged net profit. Negative net profit can still pass this mode; it is not a profitable-configuration filter.

Smooth Equity mode

Captures actual equity and balance at the first tick and approximately every 24 tester hours, with a final update. It needs positive profit, positive starting balance, at least 7 samples, at least 35 days and at least 4 evaluated weekly periods. No values are invented for missing-tick days.

The ranking combines logarithmic profit growth, upward equity linearity (R-squared), the fraction of positive balance weeks, time without a meaningful new equity high, underwater equity severity (ulcer measure) and a penalty for relative equity drawdown. It rewards a steadier upward path rather than profit alone.

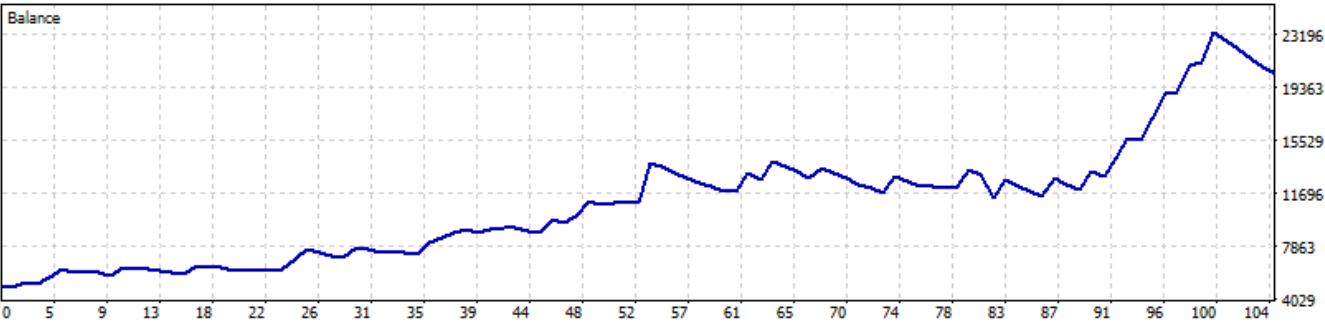
The 40-trade / 35% gates are inclusive. A rejected score can simply mean too few trades or a short test. The supplied report has 104 trades, 23.12% relative equity DD and an OnTester score of 193.6511378518294. That score is not an RR value, percentage return or guarantee.

The EA bounds sample storage at 10,000 observations and avoids drawing, license WebRequests and UI timers during optimization.

The supplied historical test

Evidence summary from EA_016_Sweep_Pinbar_GOLD_H1.html; not a new test run performed for this manual.

Test context	Reported value
EA / broker	v1.06 / OANDA TMS Brokers S.A.
Symbol / period	GOLD.pro / H1, 2025-01-01 to 2026-10-01
Deposit / leverage	5,000 USD / 1:100
History quality / ticks	99% / 145,069,618
Net profit	15,346.60 USD
Profit factor	1.87
Relative equity drawdown	23.12% (3,341.78 USD)
Relative balance drawdown	18.69% (2,633.30 USD)
Completed trades / profitable	104 / 42 (40.38%)
BUY / SELL trades	66 / 38
Maximum consecutive losses	7
OnTester / final balance	193.6511378518294 / 20,346.60 USD



Original supplied MT5 balance/equity graph. Values and curve refer only to this configuration, period and broker. The final balance above is calculated as initial deposit plus reported net profit. No forward test, independent out-of-sample validation or live account performance is supplied.

License and troubleshooting

License state	Meaning / next action
TESTER MODE	Tester bypass; no online request and no account slots used.
LICENSE KEY REQUIRED	Enter the key received after purchase.
LICENSE ACTIVE	Online acceptance for EA016, account login and server.
GRACE PERIOD	Up to 72 hours after last valid confirmation during network/server failure.
LICENSE REJECTED	No new entries. Check product, account/server and key with support.
LICENSE SERVER UNAVAILABLE	Check connection and WebRequest URL. Existing own positions remain managed.

License contract: two account-login + server combinations per purchase, enforced by the license service. Online check at startup and every 24 hours. Explicit rejection removes cached acceptance; outage grace does not override a rejection. The client key should never be shared in SET files, screenshots or logs.

Symptom	Check
No trades	Algo Trading, license, hours, shape thresholds, direction switches, EMA data, existing positions, spread, margin and volume minimum.
Preset yields few signals	The supplied body/sweep/reclaim thresholds are restrictive. SCANNING is a state, not evidence of a malfunction.
SL does not move	New trailing bar needed, mother-range pause, candidate not protective, or broker stops/freeze limit.
No EMA line	EMA filter and display must both be enabled; visuals must be enabled and sufficient history available.
No historical labels after restart	Badges are drawn from new deal events while the EA is running; v1.06 does not rebuild the entire earlier trade history.
Input initialization fails	Trailing-only requires trailing; trailing TF M30/H1/H4; candles 1-4; hours 0-23; EMA TF H1/H4/D1; validate numeric ranges.

Operating checklist and evidence

Before enabling live entries

- Confirm symbol point size, tick size, volume step, margin and sessions. Broker points are not pips and are not automatically identical between GOLD symbols.
- Confirm the exact EX5 version and preset. Default trailing-only results must not be described as the supplied Fixed RR + trailing test.
- Use a unique magic number for each intended independent instance. Avoid another EA or manual trading on the same netting symbol; the EA blocks new entries into an existing symbol position.
- Keep terminal/VPS connected for managed exits. Broker SL/TP remain separate from software-driven stop updates.
- Check Experts/Journal for order rejection, margin, WebRequest and license diagnostics. A rejected entry is not retried repeatedly within the same signal bar.

Implementation limits worth knowing

EA016 manages one own position per symbol/magic. On hedging accounts the symbol-wide input can permit unrelated positions, but own-position selection is not a multi-position portfolio manager. Opposite exits use returned qualified signals: the opposite side switch and applicable filters can suppress that direction. The current code does not automatically reverse immediately after a close.

EMA and signal calculations use completed candles. Market execution, gaps and history differences still affect results. The RR badges use initial price risk and exclude fees/swap. Visual labels are limited by the badge cap; they are not an account statement.

Source record

Authoritative materials: v1.06 MQ5, the supplied GOLD H1 SET, the full GOLD H1 HTML report and screen01-screen05, read from the owner-provided Drive folder on 13 October 2026. The Drive source is byte-identical to the v1.06 source delivered in this conversation. An EX5 named v1.06 is present in the folder; this manual does not independently certify its binary/source equivalence.

Source SHA-256: 2e06d27e570ec392b2a3c73bc4f6b3e28672b5d0972878b3a191ec83ddd43e69

Report path: EA_016_Sweep_Pinbar_GOLD_H1.html

Preset path: EA_016_Sweep_Pinbar_GOLD_H1.set

Manual: v1.0 EN | Software: v1.06

Support: ea@ea-lab.dev | ea-lab.dev