LiquiditySweep_LS

Liquidity Sweep indicator + MSS, OB, FVG for MetaTrader 4 and MetaTrader 5

Ready-to-use .EX4 (MT4) and .EX5 (MT5) files

📖 Статья (RU): https://s4u.pro/smart-money/liquidity-sweep.html

📖 Article (EN): https://s4u.pro/en/liquidity-sweep-strategy/

▶ Видео (RU): https://youtu.be/TNpZjRVTgpo

▶ Video (EN): https://youtu.be/Zo0XKNhr5Wc

✈ Telegram: https://t.me/strategy4you

Files:	LiquiditySweep_LS.ex4 (MT4) LiquiditySweep_LS.ex5 (MT5)
Program type:	Indicator (not an Expert Advisor or script), does not trade
Modes:	Sweep / + MSS / + MSS + OB / + MSS + FVG / + MSS + OB + FVG
Liquidity levels:	Swings / previous day high-low / equal highs-lows
Version:	v1.00
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1. What is a Liquidity Sweep?

Liquidity is the cluster of stop losses and pending orders behind obvious levels: below lows (**SSL**, sell-side liquidity) and above highs (**BSL**, buy-side liquidity). A **liquidity sweep** is a candle whose wick runs beyond such a level, takes the stops and closes back. A sweep alone is a weak signal. The working model from the article also waits for a **market structure shift (MSS)** in the opposite direction and enters with a limit order on the pullback into the **FVG** left by the impulse.

Full strategy description: https://s4u.pro/en/liquidity-sweep-strategy/

Setup structure

Element	BUY (low swept)	SELL (high swept)
Liquidity level	Swing Low: Low below 3 candles on each side, not older than 60 candles	Swing High: High above 3 candles on each side, not older than 60 candles
Sweep	The first candle that trades below the level closes back above it	The first candle that trades above the level closes back below it
Market structure shift (MSS)	Within 6 candles: Close above the last Swing High (fractal 2), sweep low not broken	Within 6 candles: Close below the last Swing Low (fractal 2), sweep high not broken
FVG	The first bullish FVG in the impulse from the sweep to the MSS	The first bearish FVG in the impulse from the sweep to the MSS
Entry	Buy Limit at the top of the FVG	Sell Limit at the bottom of the FVG
Stop loss	3 pips below the sweep candle wick	3 pips above the sweep candle wick
Take profit	2R (2 × risk)	2R (2 × risk)

Order management

Rule	Description
Stop size	Setups with a stop shorter than 8 pips or longer than 4 × ATR(20) are skipped
Time cancel	The limit order is cancelled if not filled within 24 candles
Price cancel	The order is cancelled if price reaches TP before the entry
Time exit	The trade is closed at market after 30 candles if neither SL nor TP was hit
One trade at a time	While a trade is open, new signals are skipped in the statistics (SKIP label)
Risk	0.5–1% of the account per trade

What the indicator shows on the chart

- Dotted **SSL** lines (blue, below lows) and **BSL** lines (red, above highs) — liquidity not taken yet
- Solid level line labelled SSL / BSL — the level swept by the signal
- Blue arrow ↑ below the candle that swept a low (BUY), red arrow ↓ above the candle that swept a high (SELL)
- Grey dotted **MSS** line — the swing whose close-through confirmed the structure shift
- Green (BUY) / brown (SELL) zone — **FVG**; blue / red zone — **Order Block** (in OB modes)
- Yellow dashed line — entry level; red — Stop Loss, green — Take Profit
- Result label: `+2.0R` (take profit), `−1.0R` (stop), `+0.4R (time)` (time exit), `X` (order cancelled), `BUY LIMIT / SELL LIMIT` (waiting for entry), `OPEN` (trade open), `SKIP (in trade)` (skipped — a trade is already open)
- Statistics panel: mode, level type, signals, trades, cancels, skips, Win / Loss, win rate, total R and average R

2. Five modes: from the classic sweep to MSS + FVG

Choose the mode with **SignalMode** and the level type with **LiquidityType** on the "Inputs" tab.

Mode	Entry	Best for
Sweep	At market on the open of the candle after the sweep	Classic: see every sweep of a level
Sweep + MSS	At market on the open of the candle after the structure shift	Reversal confirmation filter
Sweep + MSS + OB	Buy / Sell Limit at the edge of the order block at the sweep	Entry from an order block
Sweep + MSS + FVG	Buy / Sell Limit at the edge of the impulse FVG. The article strategy (default)	Trading by the article rules
Sweep + MSS + OB + FVG	Limit at the OB edge, only if the impulse left an FVG	The strictest signals

Article results (12 markets: gold + 11 currency pairs, H4, January 2024 — October 2026, spread included)

Variant	Trades	Win rate	Total	PF	Drawdown
Sweep + MSS + FVG	193	44.0%	+26.9R	1.27	−12.2R
Sweep + MSS + OB + FVG	126	41.3%	+13.9R	1.20	−14.3R
Sweep + MSS + OB	172	40.1%	+9.2R	1.09	−18.1R
Sweep + MSS	282	38.7%	−14.6R	0.90	−25.1R
Sweep	2132	32.2%	−226.5R	0.85	−256.2R

> A liquidity sweep alone loses money: –226.5R on 2,132 trades. Profit appears only with the MSS confirmation and the FVG entry (positive in every year 2024–2026). Results differ by market: 4 of the 12 markets were negative in the article (GBPUSD and EURJPY the most) — check your symbol with the statistics panel.

3. Installing in MetaTrader 4

Step 1 — Open the indicators folder

MT4: File → Open Data Folder → MQL4 → Indicators.

Step 2 — Copy the file

1. Copy **LiquiditySweep_LS.ex4** to the `MQL4\Indicators\` folder
2. Restart MT4 or right-click in the Navigator → "Refresh"

Step 3 — Add it to a chart

1. Navigator (Ctrl+N) → Indicators → **LiquiditySweep_LS**
2. Drag it onto a chart → "Common" tab: optionally tick "Allow DLL imports" (only for the welcome window)
3. Choose **SignalMode** and **LiquidityType**, set the parameters on the "Inputs" tab → OK

4. Installing in MetaTrader 5

Step 1 — Open the indicators folder

MT5: File → Open Data Folder → MQL5 → Indicators.

Step 2 — Copy the file

1. Copy **LiquiditySweep_LS.ex5** to the `MQL5\Indicators\` folder
2. Restart MT5 or right-click in the Navigator → "Refresh"

Step 3 — Add it to a chart

1. Navigator (Ctrl+N) → Indicators → **LiquiditySweep_LS**
2. "Dependencies" tab: optionally tick "Allow DLL imports" (only for the welcome window)
3. In MT5 the welcome window appears on the first tick (platform behaviour). OK opens Telegram

> Without DLL permission the indicator works fully — only the welcome window is not shown; the copyright and links stay on the chart.

5. Indicator parameters

MODE

Parameter	Default	Description
SignalMode	MSS + FVG	Sweep / Sweep + MSS / + OB / + FVG / + OB + FVG — see section 2
LiquidityType	Swing	Levels: swings (fractals) / previous day high-low / equal highs-lows

LIQUIDITY + MSS

Parameter	Default	Description
LevelSwingBars	3	Liquidity swing: candles on each side (fractal)
LevelMaxAge	60	A level is valid N candles after it formed
EqualTolATR	0.15	Equal highs/lows: maximum difference, × ATR
ATRPeriod	20	ATR period (average candle range)
MSSSwingBars	2	MSS swing: candles on each side
MSSSwingLookback	40	Search the MSS swing within N candles before the sweep
MSSMaxBars	6	MSS: close beyond the swing within N candles after the sweep

TRADE LEVELS

Parameter	Default	Description
StopBufferPips	3	Stop buffer beyond the sweep candle wick, pips (gold: 1 pip = $0.10)
MinRiskPips	8	Skip setups with a stop shorter than N pips
MaxRiskATR	4.0	Skip setups with a stop longer than N × ATR (0 = off)
RiskReward	2.0	Take profit in R
PendingBars	24	Cancel the limit order if not filled within N candles
MaxHoldBars	30	Close the trade at market after N candles (0 = off)
CostPips	0	Spread + commission for the statistics, pips (as in the article: 1.2 on currencies, 3 on gold)
OneTradeAtATime	true	Statistics: skip signals while a trade is open

DISPLAY / COLORS / ALERTS

Parameter	Default	Description
HistoryBars	3000	History bars to scan (0 = all history)
ShowBullish / ShowBearish	true	Show sweeps of lows (BUY) / highs (SELL)
ShowActiveLevels	true	Lines of liquidity not taken yet (SSL / BSL)
ShowSweptLevels / ShowMSS	true	The swept level of a signal / MSS line
ShowZones	true	FVG and Order Block zones
ShowTradeLevels	true	Entry, SL and TP lines
ShowArrows / ShowResults	true	Arrows on the sweep candle / result labels
ShowStats	true	Statistics panel
ArrowOffset / ArrowSize	5 / 3	Arrow distance from the wick (pips) / arrow size 1–5
Colors	—	SSL, BSL, OB and FVG zones, arrows, MSS, entry, SL, TP, statistics text
AlertPopup / AlertSound / AlertPush	false	Popup / sound / push notification on a new setup
AlertOnSweep	false	Also alert on every sweep of a level (before the MSS)

6. Recommended settings

As in the article (H4, gold and currency pairs)

Parameter	Value
All parameters	Default (Sweep + MSS + FVG, swings 3, level 60 candles, MSS within 6 candles, SL 3 pips, 2R, limit 24 candles, exit after 30 candles)
CostPips	1.2 on currency pairs, 3 on gold (as in the article)
AlertPopup / AlertPush	true

Finding liquidity on any market (manual analysis)

Parameter	Value
SignalMode	Sweep
ShowActiveLevels / ShowSweptLevels	true
ShowTradeLevels / ShowResults / ShowStats	false
AlertOnSweep + AlertPopup	true — a message on every sweep

Daily levels (intraday trading, M15–H1)

Parameter	Value
LiquidityType	Previous day high / low
MSSMaxBars	6–12
MinRiskPips	match it to the symbol spread

> In the article the strategy was tested on H4 (12 markets, 193 trades). On H1 the same rules were about break-even. Daily and equal levels were not tested in the article — check them with the statistics panel (with CostPips) before trading.

7. Frequently asked questions (FAQ)

Q: Does the indicator repaint?

A: No. Levels, sweeps and the MSS are detected on closed candles only, and it recalculates once per new bar. The limit order appears only after the FVG is complete.

Q: Does the indicator open trades?

A: No. It is an indicator: it shows liquidity, signals, entry / SL / TP levels and statistics. It places no orders.

Q: How is a sweep different from a breakout?

A: In a sweep the candle goes beyond the level with its wick only and closes back. If the candle closes beyond the level, it is a breakout: no signal, and the level is treated as used.

Q: How are the statistics calculated?

A: Without spread by default (gross); set the spread in CostPips. If a candle touches both the entry and SL, it counts as a stop. If price reaches TP before the entry, the order is cancelled. A profitable time exit counts as a Win. As in the article, only one trade at a time is counted.

Q: Why don't the panel numbers match the article?

A: The article uses its own quotes (gold: GC futures) in UTC; your broker has its own quotes, server time and spread. On identical candles the indicator logic matches the article test trade for trade.

Q: No signals?

A: Switch SignalMode to "Sweep" or "Sweep + MSS", increase MSSMaxBars or HistoryBars, lower MinRiskPips.

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