SmartMoney

Top-down Smart Money model indicator: D1 trend, D1 zones (order block / FVG), liquidity sweep → CHoCH → retest for MetaTrader 4 and MetaTrader 5

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

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

📖 Article (EN): https://s4u.pro/en/smart-money-concepts-strategy/

▶ Видео (RU): https://youtu.be/v7QLevmo6l8

▶ Video (EN): https://youtu.be/v7QLevmo6l8

✈ Telegram: https://t.me/strategy4you

Files:	SmartMoney.ex4 (MT4) SmartMoney.ex5 (MT5)
Program type:	Indicator (not an Expert Advisor or script), does not trade
Filters:	D1 trend (yesterday close above / below EMA 200) and an active D1 zone — order block or FVG — where the sweep happened
Signals:	CHoCH (article) / BOS / any break; with or without a liquidity sweep
Entry modes:	Retest (article) / market / 50% of the leg / OTE 62% / 70.5% / 79% / H4 FVG / H4 Order Block
Article timeframe:	H4
Version:	v1.00
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1. What is the Smart Money model?

Smart money reads the chart by the footprints of a big player: where **liquidity** rests (stops beyond lows and highs), where it was taken, where structure broke (**CHoCH**) and where the impulse began (**order block**, **FVG**). The indicator puts this into the top-down model from the article: direction and zone from **D1** (EMA 200 trend + a daily order block or FVG), entry on **H4**: a **liquidity sweep** inside the daily zone → **CHoCH** → a limit on the **retest of the broken level**, stop beyond the sweep, 4R target. In the article test each filter alone added almost nothing; the combination works: trend + zone raised the result to +0.152R per trade and a 1.27 profit factor.

Full strategy description: https://s4u.pro/en/smart-money-concepts-strategy/

Setup rules

Element	BUY	SELL
D1 trend	Yesterday closed above EMA 200 on D1 — buys only	Below EMA 200 — sells only
D1 zone	Active bullish D1 order block or bullish D1 FVG (lives 60 days or until a daily close below it); the sweep extreme is inside the zone (25% tolerance)	Bearish D1 order block or FVG, the sweep extreme inside the zone
Swings	Fractal: 3 candles on each side, confirmed 3 candles later (no look-ahead)	Same
Liquidity sweep	The leg low pierced a swing low (not older than 60 candles, untouched before) and the candle closed above it	The leg high pierced a swing high and the candle closed below it
CHoCH	Close above the last swing high while the structure was bearish	Close below the last swing low while the structure was bullish
Entry	Buy Limit at the broken level (retest)	Sell Limit at the broken level (retest)
Stop loss	5 pips below the sweep low (indices, crypto, silver, oil: 0.05% of price)	5 pips above the sweep high (indices, crypto, silver, oil: 0.05% of price)
Take profit	4R (4 × risk)	4R (4 × risk)

Order management

Rule	Description
Time cancel	The limit order is cancelled if not filled within 20 candles
Price cancel	The order is cancelled if a candle closes beyond the stop or price reaches the target before the entry
Time exit	The trade is closed at market after 60 candles if neither SL nor TP was hit
One trade at a time	While a trade is open, new signals on this symbol are skipped (SKIP label)
Risk	0.25–0.5% of the account per trade (test drawdown –27R)

What the indicator shows on the chart

- Shaded boxes — active D1 zones (order block or FVG) in the trend direction, labelled D1 ORDER BLOCK / D1 FVG; every setup shows its zone labelled D1 OB / D1 FVG
- Top-left label — current D1 trend: D1 TREND UP (buys only) or D1 TREND DOWN (sells only)
- Grey dots — confirmed swing highs and swing lows
- Dotted line labelled **BOS** — break of structure with the trend; dashed line labelled **CHoCH** — change of character. Blue — break up, red — break down. The line runs from the swing to the break candle
- Orange line + "Sweep" — the swept liquidity level and the sweep candle
- Blue arrow ↑ (BUY) / red arrow ↓ (SELL) — the break candle that gave a setup
- Yellow dashed line — entry level; red — Stop Loss, green — Take Profit
- Result label: `+4.0R` (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: settings, signals, trades, cancels, skips, Win / Loss, win rate, total R and average R

2. Signals and entry modes

Which break gives a signal is set by **SignalType** (CHoCH / BOS / any), the liquidity sweep filter by **RequireSweep**, the entry by **EntryMode**. The BOS / CHoCH structure is always drawn, regardless of these settings.

EntryMode	Entry	Best for
Retest	Limit at the broken level. The article strategy (default)	Trading by the article rules
Market	At market on the open of the candle after the break	Aggressive entry, no missed trades
EQ 50%	Limit at 50% of the leg (sweep → top before the break)	For comparison
OTE 62 / 70.5 / 79%	Limit at an OTE level of the leg	For comparison: deeper fills less often
FVG	Limit at the first H4 FVG (imbalance) of the leg	Article: H4 FVG entry +1.7R vs +56.2R on the retest
OB	Limit at the H4 order block — the last opposite candle at the extreme	Article: H4 order block entry +16.2R vs +56.2R on the retest

Article results (34 markets: currencies, metals, indices, oil; H4 + D1, 1999 — November 2026, 4R target, spread included)

Variant	Trades	Win rate	Total	PF	Drawdown
D1 trend + D1 zone, retest, 4R (article)	369	39.0%	+56.2R	1.27	−27.2R
Sweep + CHoCH only (no filters)	1 441	—	+140.9R	1.16	−45.9R

+ D1 zone, no trend	739	—	+25.5R	1.06	−51.8R
+ D1 trend, no zone	635	—	+67.9R	1.18	−32.4R
D1 order block only	176	—	+35.4R	1.36	−11.2R
D1 FVG only	244	—	+24.0R	1.17	−32.7R
Entry in H4 order block	246	—	+16.2R	1.09	−48.5R
Same rules on H1 + H4 zones	1 417	—	−108.3R	0.88	−191.0R

> The model: 369 trades, +56.2R, 2024 +7.9R, 2025 +17.7R, 2026 +6.7R, all three market groups positive. D1 zone without trend — +0.035R per trade, trend without zone — +0.107R, together — +0.152R. An H4 order block or FVG entry is worse than the retest. On H1 the same rules gave −108R — use H4. Most of the profit comes from time exits (60 candles): do not switch MaxHoldBars off. 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 **SmartMoney.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 → **SmartMoney**
2. Drag it onto an H4 chart → "Common" tab: optionally tick "Allow DLL imports" (only for the welcome window)
3. 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 **SmartMoney.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 → **SmartMoney**
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

SMART MONEY: D1 TREND AND D1 ZONES

Parameter	Default	Description
UseD1Trend	true	Buys only if yesterday closed above EMA(D1), sells only below (article)
D1TrendEMA	200	EMA period on D1
UseD1Zones	true	The sweep must happen inside an active D1 zone (article)
ZoneType	OB or FVG	D1 zone type: order block or FVG (article) / order block only / FVG only
ZoneLifeDays	60	The zone is active N days or until a daily close beyond it
ZoneTolerance	25	The sweep may go beyond the zone by N% of its height
ShowD1Zones	true	Draw active D1 zones and the zone of every setup
BullZoneColor / BearZoneColor	—	Bullish and bearish zone colors

MARKET STRUCTURE

Parameter	Default	Description
SwingBars	3	Swing (fractal): N candles on each side. Larger = bigger structure
ShowStructure	true	Draw every BOS / CHoCH
ShowSwings	true	Mark swing highs and swing lows

SIGNAL

Parameter	Default	Description
SignalType	CHoCH	CHoCH / BOS / any break — which break gives a trade
RequireSweep	true	A liquidity sweep must come before the break (article)
SweepLookback	60	The swept swing is not older than N candles
TrendEMA	0	Trend filter: close above / below EMA N (0 = off)

TRADE LEVELS

Parameter	Default	Description
EntryMode	Retest	Retest / market / EQ 50% / FVG / OB / OTE 62 / 70.5 / 79% — see section 2

BufferMode	Auto	Stop buffer: auto (pips for currencies and gold, % of price for others) / always pips / always %
StopBufferPips	5	Stop buffer beyond the sweep extreme, pips (gold: 1 pip = $0.10)
StopBufferPct	0.05	Stop buffer in % of price for indices, crypto, silver, oil
RiskReward	4.0	Take profit in R
PendingBars	20	Cancel the limit order if not filled within N candles
MaxHoldBars	60	Close the trade at market after N candles (0 = off)
CostPips	0	Spread + commission for the statistics, pips (article: 1.5 on majors, 2.5 on crosses, 3.5 on gold)
OneTradeAtATime	true	Statistics: skip new signals while a trade is open

DISPLAY / COLORS / ALERTS

Parameter	Default	Description
HistoryBars	3000	History bars to mark up (0 = all history)
ShowBullish / ShowBearish	true	Show BUY / SELL signals
ShowSweeps	true	Mark the swept liquidity
ShowTradeLevels	true	Entry, SL and TP lines
ShowArrows / ShowResults	true	Signal arrows / result labels
ShowStats	true	Statistics panel
ArrowOffset / ArrowSize	5 / 3	Arrow distance from the wick (pips) / arrow size 1–5
Colors	—	BOS / CHoCH up and down, swings, liquidity sweep, arrows, entry, SL, TP, statistics
AlertPopup / AlertSound / AlertPush	false	Popup / sound / push notification on a new setup
AlertEveryBreak	false	Also alert on every BOS / CHoCH, not only on setups

6. Recommended settings

As in the article (H4, any liquid market)

Parameter	Value
Timeframe	H4
All parameters	Default (EMA 200 D1 trend, D1 order block or FVG zones for 60 days, 25% tolerance, 3-candle swings, sweep ≤60 candles, CHoCH, limit on the retest, stop 5 pips / 0.05% beyond the sweep, 4R, limit 20 candles, exit after 60 candles)
CostPips	1.5 on majors, 2.5 on crosses, 3.5 on gold
AlertPopup / AlertPush	true

Structure mark-up only (manual analysis)

Parameter	Value
ShowTradeLevels / ShowResults / ShowStats / ShowArrows	false
AlertEveryBreak + AlertPopup	true

Comparison: what each filter adds

Parameter	Value
UseD1Trend	false — D1 zone without the trend
UseD1Zones	false — D1 trend only
ZoneType	OB only / FVG only — which zone is better

> In the article the model was tested on H4 with D1 zones (34 markets, 369 trades). Trades are few — about 4–5 a month on 34 markets, so trade many symbols at once. Time exits made most of the profit — do not switch MaxHoldBars off. Check your market with the statistics panel (with CostPips).

7. Frequently asked questions (FAQ)

Q: Does the indicator repaint?

A: No. A swing is confirmed only after 3 closed candles, a break only on a candle close, and it recalculates once per new bar. That is why a swing point appears on the chart 3 candles late — the price of no repainting.

Q: Does the indicator open trades?

A: No. It is an indicator: it marks up the structure, shows entry / SL / TP levels and statistics. It places no orders.

Q: How does the indicator tell BOS from CHoCH?

A: A break in the same direction as the previous one is a BOS. A break in the opposite direction (or the first one in the history) is a CHoCH.

Q: How are the statistics calculated?

A: Without spread by default (gross); set the spread in CostPips. On the candle that fills the limit order only the stop counts; the take profit counts from the next candle (conservative). A profitable time exit counts as a Win. As in the article, only one trade at a time is counted per symbol.

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

A: The article uses its own quotes and time, crypto from Binance (UTC); your broker has its own quotes, server time, spread and history length. On identical candles the indicator logic matches the article test trade for trade.

Q: No zones on the chart?

A: The indicator needs D1 history (at least 200 days for EMA 200). Open the daily chart of the symbol once so the terminal loads it.

Q: Few signals?

A: D1 trend + D1 zone + liquidity sweep leave 1–3 trades a year per symbol on H4 — trade many markets at once. For study, switch off UseD1Zones or UseD1Trend.

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