

Pivot Stop Hunt Reclaim

Expert Advisor Documentation

PLATFORM

MetaTrader 5 (MT5)

TYPE

Price-Action Reversal (False-Break)

TIMEFRAME

M15 – H1

WEBSITE

www.algotbot.live

⚠ Important Disclaimer This document is for educational and informational purposes only. It does not constitute financial or investment advice. Trading forex, CFDs, and other leveraged instruments involves substantial risk of loss and is not suitable for all investors. Past backtest performance does not guarantee future results. Never trade with capital you cannot afford to lose.

Overview

Pivot Stop Hunt Reclaim is a pure price-action reversal Expert Advisor that uses *no indicators of any kind*. It is built on a single, well-known market behaviour: liquidity tends to pool just beyond obvious swing highs and lows, where retail stop-loss orders cluster. Price frequently spikes through those levels to trip those stops, then snaps back inside the range. This “**stop hunt** → **reclaim**” sequence is a high-quality false-break signal.

The EA tracks the most recent confirmed fractal swing pivots as dynamic support and resistance. When a candle wicks beyond one of those levels but closes back inside — with bullish/bearish momentum, a strong close location within its range, and visible range expansion (displacement) — the EA fades the false break and trades the reversal. Stops and targets are entirely structure-based and fixed: there is no ATR, no moving average, and no oscillator anywhere in the logic. Momentum is read directly from candle geometry.

How It Works

Defining Structure (Support & Resistance)

Support and resistance are the most recent **confirmed fractal swing pivots**. A swing high is a bar whose high is the strict extreme over `PivotLookback` bars on each side; a swing low is the symmetric case for lows. Because confirmation requires bars on both sides, a pivot is only validated once `PivotLookback` additional bars have closed to its right — the EA confirms the candidate centred `PivotLookback` bars back on every new bar.

- **Resistance** — the high of the most recently confirmed swing high.
- **Support** — the low of the most recently confirmed swing low.

Entry Logic

The EA evaluates only once per bar, acting on the bar that has just **closed** (shift 1). It never acts on the still-forming bar. Before any trade can trigger, two universal filters must pass:

- **Displacement (range expansion):** the setup bar's range must be at least `DisplacementFactor` × the average range of the prior `RangeWindow` bars. This guarantees the reclaim happened with conviction, not on a quiet doji.
- **Single position:** only one position per magic number may be open at a time.

LONG SETUP — SUPPORT RECLAIM

A long is taken when the closed bar performs a bullish stop hunt below support:

- **Pierced:** the bar's *Low* trades below support (`Low < support`).
- **Reclaimed:** the bar *Closes* back above support (`Close > support`).
- **Bullish:** `Close > Open` .
- **Close location:** the close sits in the upper part of the range — `(Close - Low) / Range ≥ CloseLocation` .

Entry is placed at the current **Ask**.

SHORT SETUP — RESISTANCE RECLAIM

A short is the mirror image — a bearish stop hunt above resistance:

- **Pierced:** the bar's *High* trades above resistance (`High > resistance`).
- **Reclaimed:** the bar *Closes* back below resistance (`Close < resistance`).
- **Bearish:** `Close < Open` .
- **Close location:** the close sits in the lower part of the range — `(High - Close) / Range ≥ CloseLocation` .

Entry is placed at the current **Bid**.

Exit Logic — Stop Loss & Take Profit

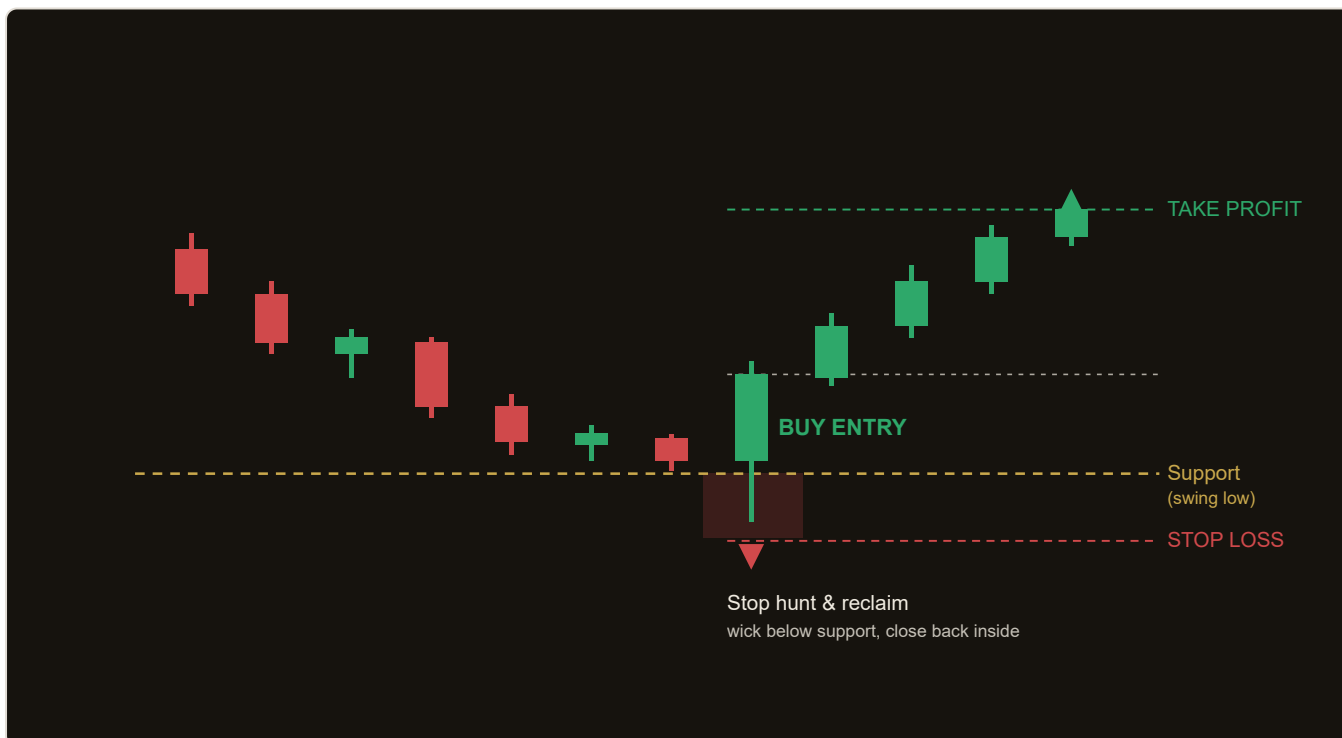
Both stops and targets are fixed at order placement and derived entirely from the setup bar's structure — no trailing, no ATR.

- **Stop Loss (long):** placed below the stop-hunt wick at $\text{Low} - \text{buffer}$, where $\text{buffer} = \text{SLBufferFraction} \times \text{Range}$.
- **Stop Loss (short):** placed above the stop-hunt wick at $\text{High} + \text{buffer}$.
- **Take Profit:** a reward multiple of the measured risk. With $\text{risk} = |\text{entry} - \text{SL}|$, the target is $\text{entry} \pm \text{risk} \times \text{RewardRatio}$.

Note: The stop sits just beyond the very wick that grabbed liquidity. If price genuinely breaks the level rather than reclaiming it, the position is closed quickly for a small, structure-defined loss — while a clean reclaim targets a multiple of that risk.

Strategy in Action

The illustration below shows an example of how the strategy identifies a setup and triggers its entry and exit. This is a simplified, illustrative example for educational purposes — not real market data. It depicts a **long** support-reclaim: price spikes below support to hunt stops, then closes strongly back inside the range on an expansion candle.



Illustrative example only. Actual market behaviour varies.

Parameters

Parameter	Default	Description
PivotLookback	3	Swing-pivot half-width — the number of bars required on each side for a high/low to be confirmed as support or resistance. Range 2–8, step 1.
RangeWindow	14	Number of bars used to compute the average-range baseline that the displacement filter compares against. Range 5–30, step 1.
RewardRatio	2.0	Take-profit distance expressed as a multiple of the measured risk (entry to stop). Range 1.0–4.0, step 0.5.
CloseLocation	0.60	Minimum close position within the setup bar's range (1.0 = closed at the extreme). Enforces a strong, conviction close. Range 0.50–0.90, step 0.05.
DisplacementFactor	1.20	Required range expansion of the setup bar versus the average range — filters out weak, low-energy reclaims. Range 0.80–2.50, step 0.10.
SlBufferFraction	0.20	Stop-loss buffer beyond the stop-hunt wick, expressed as a fraction of the setup bar's range. Range 0.00–1.00, step 0.05.
Lots	0.10	Fixed order volume in lots. Range 0.01–1.00, step 0.05.
Magic	1001	Magic number identifying this EA's positions. Used to enforce one open position at a time.

Recommended Settings

Because the EA relies on clean swing structure and decisive reclaim candles, it is best suited to liquid instruments and intraday-to-swing timeframes where false breaks of obvious levels are common.

- **Symbols:** major FX pairs (e.g. EURUSD, GBPUSD) and liquid indices/metals with tight spreads.
- **Timeframe:** M15 to H1 offers a good balance of signal frequency and noise rejection.
- **PivotLookback:** 3 (default) gives responsive structure; raise to 4–5 on noisier symbols for more significant pivots.
- **DisplacementFactor:** keep at or above 1.20 to ensure the reclaim carries genuine momentum; lower values trade more frequently but accept weaker setups.
- **RewardRatio:** 2.0 is a sensible default; the structure-based stop already keeps risk small.

Example — Long Support Reclaim

Support sits at 1.07500. The next bar wicks down to 1.07440 (tripping stops below the level) but closes at 1.07560 — a bullish bar that closes in the top 60%+ of its range and is 1.2× the recent average range. With `SlBufferFraction = 0.20` and a bar range of 120 points, the stop is placed at 1.07440 – 24 points = 1.07416. If the entry (Ask) is 1.07565, risk ≈ 149 points and the take-profit is set 298 points above entry at `RewardRatio = 2.0`.

Tip: Always run the EA on the Strategy Tester across your chosen symbol and timeframe, and forward-test on a demo account, before committing real capital. Optimise `PivotLookback`, `DisplacementFactor`, and `CloseLocation` together — they jointly control how selective the EA is.

How to Install on MetaTrader 5

- 1 Copy `PivotStopHuntReclaim.ex5` to your MT5 `MQL5\Experts\` folder
- 2 Restart MetaTrader 5 and refresh the Navigator panel
- 3 Drag the EA onto a chart matching the recommended symbol and timeframe
- 4 Configure the input parameters and click **OK**
- 5 Enable **Algo Trading** in the MT5 toolbar

Risk Warning

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