

Mid Body Reclaim Reversal

Expert Advisor Documentation

PLATFORM

MetaTrader 5 (MT5)

TYPE

Price-Action Reversal

TIMEFRAME

M15 / H1

WEBSITE

www.algotbot.live

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Overview

Mid Body Reclaim Reversal is a pure price-action counter-trend Expert Advisor built on the classic **piercing line** and **dark cloud cover** candlestick family — two-candle "deep reclaim" patterns that mark a sudden, decisive change of control at the end of a trend leg. It uses **no indicators whatsoever**: every condition is raw candle geometry and raw swing extremes.

The pattern works like this. After a strong directional candle (the *prior drive*), the next candle (the *signal*) first pushes the trend a little further — dipping to a fresh swing low for longs, or poking a fresh swing high for shorts — and then violently reverses, closing back deep *inside* the prior candle's real body, past its midpoint, but **without fully engulfing it**. That "more than half given back" close is the fingerprint: the side that owned the prior candle has just been overrun, while the latecomers who chased the new extreme are now offside.

Classic piercing/dark-cloud setups require a price gap, which gapless intraday FX almost never prints. This EA replaces the gap with its honest equivalent on continuous data: the signal bar must trade to a **fresh extreme of the recent swing window** before snapping back. Two additional gates supply the edge — the prior bar must be a **decisive body** (a real drive, not a doji), and the move into it must be a **measured directional run**, so the reclaim happens at the terminal point of an actual trend leg where stops cluster.

What makes it distinct. This is neither a closing-price reversal nor an engulfing bar. A closing-price reversal pushes its close *beyond* the prior close; an engulfing bar fully swallows the prior body. Here the close lands **strictly between the prior body's midpoint and its far edge** — a deep reclaim, not an engulf.

How It Works

The EA evaluates exactly once per freshly-closed bar. It inspects the two most-recently-closed candles — the **signal bar** (shift 1) and the **prior drive bar** (shift 2) — together with the surrounding swing window and the directional run that fed the drive. Only one position is held at a time per the strategy's magic number.

Setup gates (shared by both directions)

- **Decisive prior body** — the prior bar's body must be at least `MinPriorBody` of its full range (default 45%). A doji or weak bar is rejected; the EA only fades a genuine drive.
- **Fresh swing extreme** — the signal bar must trade to a new extreme of the `Lookback` -bar window preceding it (a fresh low for longs, a fresh high for shorts). This replaces the missing gap of the classic pattern.
- **Directional run gate** — the net travel over the `RunBars` candles feeding the prior drive must agree with the drive's direction, confirming the reclaim sits at the terminal point of a real trend leg.

Long entry — piercing-line reclaim ending a down-drive

- Net **down** run into the prior bar (`p.Close < Close[2 + RunBars]`).
- Prior bar is a decisive **bearish** body (`p.Close < p.Open`).
- Signal prints a **fresh swing low** (`s.Low ≤ lowest low of window`) and dips below the prior close (`s.Low < p.Close`).
- Signal **closes back above the prior body midpoint**: `s.Close ≥ p.Close + PenetrationFrac × body` .
- But does **not** fully engulf: `s.Close < p.Open` .
- Decisive bullish signal body: `s.Close > s.Open` .

Short entry — dark-cloud-cover reclaim ending an up-drive

The exact mirror image: a net **up** run into a decisive **bullish** prior bar, a signal that prints a **fresh swing high** and pokes above the prior close, then closes back deep inside the prior body below its midpoint (`s.Close ≤ p.Close - PenetrationFrac × body`) without engulfing (`s.Close > p.Open`), with a decisive bearish signal body (`s.Close < s.Open`).

Stop loss & take profit

Risk is defined structurally by the rejected extreme:

- **Long:** stop sits just below the pattern low — $\min(s.Low, p.Low) - BufferFrac \times signal\ range$. The take profit is placed at $RiskReward \times$ that stop distance above entry.
- **Short:** stop sits just above the pattern high — $\max(s.High, p.High) + BufferFrac \times signal\ range$, with the take profit $RiskReward \times$ the stop distance below entry.

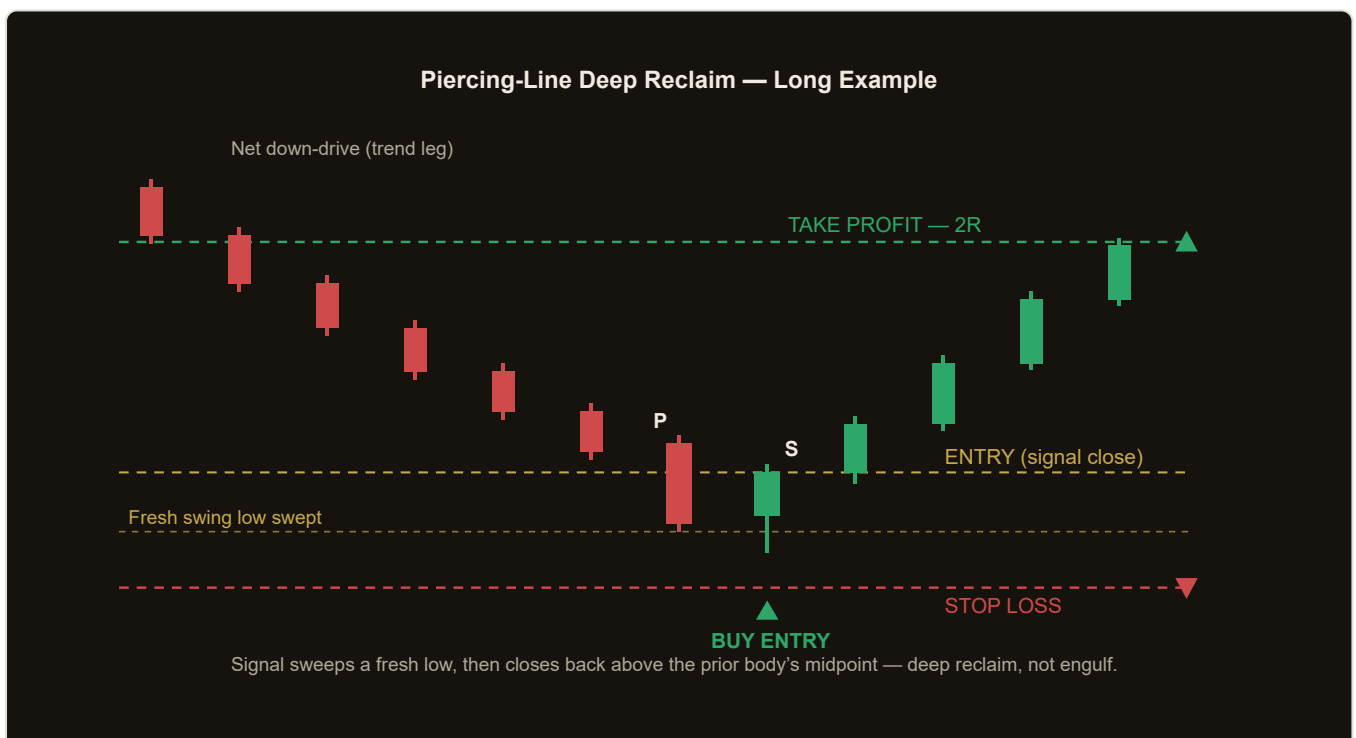
Entry is taken at the current Ask (long) or Bid (short) immediately on the bar following the signal. If the computed risk distance is non-positive the trade is skipped. There is no trailing stop and no time exit — each position runs to its fixed stop or target.

Worked long example

A market drops for several bars, then prints a wide bearish candle (the prior drive). The next candle jabs to a fresh swing low — sweeping the stops below — then reverses hard and closes back above the bearish body's midpoint, but still below its open. A long is opened at the Ask; the stop goes just under the pattern low and the target sits two times that distance above entry (default RiskReward = 2.0).

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.



Illustrative example only. Actual market behaviour varies.

Parameters

Parameter	Default	Description
Lots	0.10	Fixed trade volume in lots (range 0.01–1.00, step 0.01).
RunBars	4	Number of bars in the directional run feeding the prior drive bar — the trend-leg gate (range 2–10, step 1).
Lookback	12	Swing-window length used for the fresh-extreme test (range 5–50, step 1).
PenetrationFrac	0.50	How deep into the prior body the close must reclaim, as a fraction of that body. 0.50 = the midpoint (range 0.50–0.95, step 0.05).
MinPriorBody	0.45	The prior bar's body must be at least this fraction of its full range to count as a decisive drive (range 0.20–0.80, step 0.05).
RiskReward	2.0	Take-profit distance as a multiple of the structural stop distance (range 1.0–5.0, step 0.5).
BufferFrac	0.10	Stop-loss buffer beyond the pattern extreme, as a fraction of the signal-bar range (range 0.00–1.00, step 0.05).
Magic	740913	Magic number identifying and isolating this strategy's positions.

Tuning note. `PenetrationFrac` is the heart of the pattern. At 0.50 you accept any close past the prior midpoint — more signals, looser quality. Push it toward 0.95 to demand a near-full reclaim (closer to an engulf) for fewer but stronger setups. Raising `MinPriorBody` and `RunBars` both make the EA pickier about the trend leg it fades.

Recommended Settings

The strategy was designed for **EUR/USD** or **XAU/USD** on the **M15** or **H1** timeframe, but it runs on any liquid symbol and timeframe since it relies only on raw candle geometry.

- **Symbol:** EUR/USD or XAU/USD (any liquid instrument is acceptable).
- **Timeframe:** M15 or H1.
- **Style:** counter-trend reversal — fading a tired drive at a deep body reclaim.
- **Defaults:** the shipped defaults (`PenetrationFrac` 0.50, `MinPriorBody` 0.45, `RunBars` 4, `Lookback` 12, `RiskReward` 2.0) are a balanced starting point. Always validate on the Strategy Tester for your broker's spread and symbol before going live.

Position sizing. `Lots` is fixed. Because the stop distance is structural and varies bar-to-bar, the cash risk per trade is not constant — size `Lots` conservatively relative to your account so that even a wide-stop setup stays within your per-trade risk limit.

How to Install on MetaTrader 5

- 1 Copy `MidBodyReclaimReversal.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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