

M15 Heikin Ashi Overlay Strategy — Enhanced v1.6

Overview

This is a fully self-configuring M15 Heikin Ashi overlay strategy designed for TradingView. It combines HA smoothing, EMA trend, VWAP, volume filtering, Stochastic oscillator, and dynamic ATR-based trade management to generate high-probability signals with optional manual override.

The strategy includes automated session detection, symbol-based default volatility factors, and adaptive ATR multipliers.

Features

- **Heikin Ashi Overlay:** Smooth HA candles with adjustable sensitivity.
- **EMA Trend Filter:** Fast (21) and slow (200) EMA trend confirmation.
- **VWAP Confluence:** Trades align with VWAP slope for trend confirmation.
- **Volume Filter:** Optional filter to only take trades when volume is above its moving average.
- **Stochastic Oscillator:** Configurable K/D periods with adjustable accuracy tolerance.
- **Adaptive ATR:** SL, TP, break-even, and trailing stops scale dynamically with recent volatility.
- **Symbol-Specific Defaults:** Default ATR multipliers for XAU, BTC, and GBPJPY.
- **Manual ATR Override:** Option to manually set ATR multiplier.
- **Session Detection:** Auto-detects London and New York sessions, avoids signals outside active sessions.
- **Break-Even & Trailing Stops:** Optional BE and ATR-based trailing stop.
- **Alerts:** Customizable alerts for Long and Short entries.
- **Visual Confluence Zones:** Background highlights for bullish and bearish zones.
- **Plug-and-Play:** Automatically adapts to other symbols with self-configuring ATR multipliers.

Setup Guide

1. **Add the Script to TradingView:**
2. Copy the Pine Script code into a new TradingView Pine Editor script.
3. Save and add it to your M15 chart.
4. **Configure Inputs:**
5. **Symbol filter** : Choose specific symbols or leave as "Any".
6. **Signal accuracy** : Adjust signal tolerance between 0.3–1.0.
7. **Position size % of equity** : Set risk percentage per trade.
8. **ATR length** : Period for ATR calculation.
9. **Volatility sensitivity** : Adjust how strongly ATR adapts to recent volatility.
10. **Manual ATR multiplier** : Enable manual override if you want fixed ATR multipliers.
11. **Enable volume filter** : Toggle volume-based trade filtering.
12. **Enable session detection** : Toggle London/NY session filtering.

13. Optional Inputs:

- 14. `HA smoothing length` : Adjust HA candle smoothing.
- 15. `EMA fast/slow` : Modify EMA periods.
- 16. `Stoch K/D length and smoothing` : Customize stochastic oscillator.
- 17. `ATR % for Stop/Target` : Adjust risk/reward levels.
- 18. `Break-even`, `Trailing stop` : Enable/disable trade management features.

19. Activate Alerts:

- 20. Use the provided `alertcondition` entries for Long and Short signals.
- 21. Configure TradingView alerts to receive notifications.

22. Backtesting:

- 23. Use TradingView's strategy tester to evaluate performance.
- 24. Adjust inputs as needed for each symbol based on volatility and session behavior.

Notes

- Ensure you test the strategy on demo or paper trading before using live capital.
- ATR multipliers and session detection are fully self-configuring but can be manually overridden.
- The strategy is designed to be flexible and adapts automatically to new symbols if no manual input is provided.