Strategy Settings Optimization — Executive Summary

Provider: openai | Model: gpt-4o-mini | Prompt tokens: 2149 | Output tokens: 855 | Total: 3004

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- **Ichimoku Parameter Adjustments:**
  - **Tenkan Period:** Reduce from 9 to 7 for increased responsiveness to price changes.
  - **Kijun Period:** Shorten from 26 to 20 to better capture trend reversals.
  - **Senkou B Period:** Decrease from 52 to 48 to enhance cloud responsiveness.
  - **Chikou Offset:** Lower from 26 to 20 for better alignment with current price action.
  - **Senkou Offset:** Adjust from 26 to 20 to improve predictive quality.

- **Signal Logic Enhancements:**
  - Maintain current buy and sell logic to ensure strict trend confirmation.
  - Add condition: "Chikou Above Price" to strengthen buy signals.

- **Risk Management Improvements:**
  - Tighten stop loss from 5.0% to 3.0% to protect capital during volatility.
  - Introduce a take profit target of 10.0% to secure gains effectively.
  - Transition from fixed to volatility-based position sizing to optimize risk exposure.

- **Proposed Experiments:**
  - Conduct a walk-forward grid to optimize Ichimoku parameters across multiple timeframes.
  - Implement a trend filter A/B test to evaluate the impact of additional entry conditions.

Recommended setting changes:
- tenkan_period: current=9, suggested=7. Reducing the tenkan period may increase responsiveness to price changes, potentially capturing more short-term trends.
- kijun_period: current=26, suggested=20. A shorter kijun period can help in identifying trend reversals more quickly, enhancing entry signals.
- senkou_b_period: current=52, suggested=48. Slightly decreasing the senkou B period may improve the cloud's responsiveness to price movements.
- chikou_offset: current=26, suggested=20. Reducing the chikou offset can help align signals more closely with current price action.
- senkou_offset: current=26, suggested=20. Adjusting the senkou offset can enhance the predictive quality of the cloud.
- Signal logic:
  • buy_logic: AND -> AND (Maintaining the current logic ensures strict adherence to trend confirmation.)
  • sell_logic: AND -> AND (Keeping the sell logic consistent helps avoid premature exits.)
  • add_conditions: ['ChikouAbovePrice']
- Risk management:
  • stop_loss_pct: 5.0 -> 3.0 (Tighter stop losses can help preserve capital during volatile market conditions.)
  • take_profit_pct: None -> 10.0 (Implementing a take profit target can lock in gains and improve overall risk management.)
  • position_sizing: fixed -> volatility (Switching to a volatility-based position sizing can optimize risk exposure relative to market conditions.)

Experiments to run:
- Walk-forward grid: Optimize Ichimoku parameters across multiple timeframes.
- Trend filter A/B: Test additional conditions for entry signals.