

## Investment / Swing Trade Algorithm

### Executive Summary

The Investment/Swing Trade algorithm is a medium-term growth strategy designed to capture larger moves in digital asset markets while still protecting principal. By grouping buy trades and only selling once a critical maturity threshold is reached, the algorithm maximizes profits from upward trends and avoids premature exits.

### How It Works

- Operates on 15-min and 1-hour candles, analyzing up to one year of historical data.
- Calculates standard indicators (SMA9, SMA21, RSI, StochK/D, MACD, pivot points, OBV, volume MA).
- Buys are grouped, and profitability is measured across the group, not individually.
- A trade group reaches 'maturity' when 75% of buys exceed a 10% profit threshold.
- Dynamic RSI and StochK thresholds generate more frequent, adaptive buy and sell signals.
- When sells occur, only the value of the initial buy plus fees is liquidated; profits remain invested in the digital asset.

### Advantages

- Strategic compounding: Retains profits in the asset, building long-term exposure.
- Risk-adjusted exits: Group-based sell logic reduces premature liquidation.
- Dynamic signals: Adapts to market volatility and trend shifts in real time.
- Higher growth potential: Seeks to outperform short-term strategies by capturing larger trend moves.
- Capital preservation: Ensures that only the original stake is sold, protecting retained gains.