WTT Scalper Trading System

Advanced Keltner Channel-Based Scalping Strategy
Rev1.3

System Overview

The WTT Scalper is a sophisticated trading system designed for short-term scalping opportunities using Keltner Channels. It focuses exclusively on squeeze release signals, combining volatility expansion detection, trend filtering, and volume confirmation to identify high-probability entry and exit points with conservative risk management.

Key Features

🎯 Single-Timeframe Analysis

Simplified and reliable Keltner Channel analysis focused on the current timeframe for consistent performance.

📊 Squeeze Release Detection

Identifies high-probability volatility expansion opportunities with volume confirmation and trend filtering.

⚡ Squeeze Detection

Detects low volatility periods (squeezes) and alerts when volatility expansion begins.

📈 Trend Filtering

Uses 50-period EMA to ensure trades align with the overall market direction.

🛡 Dynamic Risk Management

ATR-based stop losses and profit targets that adapt to current market volatility.

📊 Performance Tracking

Comprehensive tracking of trades, win rate, drawdown, and overall performance metrics.

🎨 Color-Coded Risk Management

Stop losses match signal colors for intuitive visual association and easier risk identification.

Input Settings

Group	Setting	Default	Description

Group	Setting	Default	Description
Keltner Channel	KC Length	20	Period for Keltner Channel calculation
	KC Multiplier	2.0	ATR multiplier for channel width
	MA Type	EMA	Moving average type (SMA, EMA, WMA, HMA)
	Source	Close	Price source for calculations
Trading	Volume Filter	True	Require above-average volume for signals
	Volume MA Length	20	Period for volume average calculation
Risk Management	ATR Length	14	Period for ATR calculation
	Stop Loss ATR Multiplier	1.5	ATR multiplier for stop loss distance
	Profit Target ATR Multiplier	2.5	ATR multiplier for profit target distance
	Risk Per Trade (%)	2.0	Percentage risk per trade
Squeeze	Enable Squeeze Detection	True	Enable squeeze detection feature
	Bollinger Bands Length	20	Period for Bollinger Bands calculation
	BB Multiplier	2.0	Standard deviation multiplier for BB
Visual	Show KC Bands	True	Display Keltner Channel bands
	Show Trend MA	False	Display 50-period EMA trend line
	Show Trade Signals	True	Display entry and exit signals
	Show Performance Table	False	Display performance metrics table

Signal Types

Signal Type	Condition	Visual Indicator	Description
Long Squeeze	Squeeze release + price above KC middle + uptrend + volume	Orange triangle (small)	Squeeze release signal
Short Squeeze	Squeeze release + price below KC middle + downtrend + volume	Purple triangle (small)	Squeeze release signal

Alert System

Available Alerts

- **LONG Signal**: "WTT Scalper: LONG signal at [price] | Check levels on chart"
- **SHORT Signal**: "WTT Scalper: SHORT signal at [price] | Check levels on chart"
- **Squeeze Detected**: "WTT Scalper: SQUEEZE detected - Low volatility period, prepare for breakout"
- **Squeeze Release**: "WTT Scalper: SQUEEZE RELEASE - Volatility expansion beginning"

> **Note**: All alerts use `alert.freq_once_per_bar` to prevent spam and include dynamic price information.

Visual Elements

Chart Components

- **Keltner Channels**: Orange bands with purple middle line
- **Trend MA**: 50-period EMA (optional display)
- **Squeeze Signals**: Small triangles (orange for long, purple for short)
- **Squeeze Indicator**: Tiny yellow squares at top/bottom when squeeze active
- **Stop Loss**: Color-coded dots (orange for long, purple for short) showing exit levels
- **Profit Targets**: Green dots showing take-profit levels
- **Performance Table**: Dark theme with bright text showing metrics

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Performance Metrics

The system tracks comprehensive performance data including:

- **Total Trades**: Number of completed trades
- **Win Rate**: Percentage of profitable trades
- **Total P&L**: Overall percentage gain/loss
- **Max Drawdown**: Largest peak-to-trough decline
- **Current Position**: Active trade status (LONG/SHORT/FLAT)
- **Bars in Trade**: Duration of current position
- **Squeeze Status**: Current squeeze condition (ACTIVE/NONE)

Strategy Version

The WTT Scalper is also available as a **Pine Script Strategy** with additional features:

Strategy-Specific Features

- **Automated Trading**: Real entry/exit orders with stop losses and profit targets
- **Position Management**: Proper risk management with ATR-based sizing
- **Backtesting Capability**: Full strategy testing in TradingView
- **Pyramiding Options**: Add to winning positions (optional)
- **Fixed Position Sizing**: Option to use fixed dollar amounts
- **Enhanced Performance Tracking**: Real P&L and drawdown calculations

Strategy Inputs

Group	Setting	Default	Description
Strategy	Enable Strategy Trading	True	Turn strategy on/off
	Max Concurrent Positions	1	Limit number of open trades
	Use Fixed Position Size	False	Option to use fixed dollar amounts
	Fixed Position Size ($)	1000	Fixed dollar amount per trade
	Enable Pyramiding	False	Add to winning positions
	Pyramid Limit	2	Maximum number of pyramid entries

Trading Logic

Entry Conditions

Long Entry:

- ✅ Squeeze just ended (volatility expansion beginning)
- ✅ Price above Keltner middle line
- ✅ Price above 50-period EMA (uptrend)
- ✅ Volume above 20-period average

Short Entry:

- ✅ Squeeze just ended (volatility expansion beginning)
- ✅ Price below Keltner middle line
- ✅ Price below 50-period EMA (downtrend)
- ✅ Volume above 20-period average

Exit Conditions

Long Exit:

- Price crosses below Keltner middle line
- Price crosses below Keltner lower band
- Stop loss hit (1.5× ATR below entry)
- Profit target hit (2.5× ATR above entry)

Short Exit:

- Price crosses above Keltner middle line
- Price crosses above Keltner upper band
- Stop loss hit (1.5× ATR above entry)
- Profit target hit (2.5× ATR below entry)

Risk Management

Position Sizing

- **ATR-Based**: Calculates position size based on risk percentage
- **Risk Per Trade**: 2.0% of account equity (configurable)
- **Dynamic Stops**: 1.5× ATR from entry price
- **Profit Targets**: 2.5× ATR from entry price
- **Risk/Reward Ratio**: 1.67:1 (2.5÷1.5)

Conservative Approach

- **Multiple Confirmations**: Trend + volume + squeeze release required
- **Trend Alignment**: Only trade with the overall trend
- **Volume Confirmation**: Require above-average volume
- **Volatility Awareness**: Capitalize on squeeze releases

Revision History

Recent Updates

- **R1.3**: Squeeze-only strategy - converted to squeeze release signals only, changed visual signals to directional triangles, updated stop loss colors to match signals, improved signal quality and reduced noise
- **R1.2**: Simplified interface - removed unnecessary input controls, hardcoded trend filter to 50-period EMA, removed unused inputs, streamlined alerts
- **R1.1**: Fixed plot issues - resolved "Undeclared identifier 'plot'" errors, improved Pine Script v5 compatibility
- **R1.0**: Initial release - comprehensive Keltner Channel trading system

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Usage Tips

Best Practices

1. **Market Selection**: Works best in trending markets with clear volatility cycles
2. **Timeframes**: Designed for short-term scalping (1-15 minute charts)
3. **Risk Management**: Always use proper position sizing and never risk more than 2% per trade
4. **Patience**: Wait for squeeze releases rather than chasing random breakouts
5. **Confirmation**: Use volume and trend filters to confirm signal quality

Common Mistakes to Avoid

- ❌ Trading against the trend
- ❌ Ignoring volume confirmation
- ❌ Over-leveraging positions
- ❌ Chasing signals without squeeze context
- ❌ Not using stop losses

Support

For questions or support regarding the WTT Scalper Trading System, refer to the Pine Script code comments or the comprehensive HTML documentation.

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Designed for conservative scalping with advanced risk management