








# WTT Scalper Trading System - Quick Reference Guide

WaveRider Trading Technologies  
Advanced Scalp Channel-Based Scalping Strategy  
Rev1.5

## System Overview

The WTT Scalper is a sophisticated trading system designed for short-term scalping opportunities using scalp 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 scalp 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
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Group	Setting	Default	Description
Scalp Channels	Channel Length	20	Period for scalp channel calculation
	Channel 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 scalp 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.

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## Visual Elements

### Chart Components

- **Scalp 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 orange 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)

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## Strategy Version

### Automated Trading Features

The WTT Scalper is also available as a **Pine Script Strategy** with additional features for automated trading and backtesting.

### 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

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## Revision History

### Recent Updates

- **R1.5:** Simplified performance table - streamlined to show only essential metrics (win rate and squeeze status), changed squeeze indicator squares to orange for better WTT branding consistency
- **R1.4:** Trailing stop enhancement - added trailing stop functionality that activates when price reaches 50% of profit target, implemented ATR-based trailing stops with visual indicators
- **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 scalp channel-based trading system

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*Designed for conservative scalping with advanced risk management*