

MASTER METHODOLOGY ENCYCLOPEDIA

Crossovers Scanner

Volume 4 · Multi-timeframe / Composite / Internals · CR-121 to CR-160

Forty methodologies covering multi-timeframe alignment, composite multi-indicator crossovers, market-internals crossovers (breadth, sentiment), and relative-strength crossovers. These methodologies build on Volumes 1-3 by combining single-timeframe single-indicator signals into higher-conviction confluence patterns.

ENROLLED-STUDENT EDITION

ABOUT THIS VOLUME

Crossovers Scanner Volume 4

This is Volume 4 of the Crossovers Scanner category in the Master Methodology Encyclopedia. Forty methodologies, codes CR-121 to CR-160. Every methodology in the standard eight-section encyclopedia template.

SCOPE

- **Section A — Multi-Timeframe Crossovers (CR-121 to CR-130)** — MTF EMA, RSI, MACD, Donchian, SuperTrend, Cloud.
- **Section B — Composite Indicator Crossovers (CR-131 to CR-140)** — Two- and three-indicator agreements; quorum logic.
- **Section C — Market Internals Crossovers (CR-141 to CR-150)** — Advance/Decline, McClellan, TICK, TRIN, VIX, PCR.
- **Section D — Relative Strength Crossovers (CR-151 to CR-160)** — Stock/index, sector rotation, Mansfield RS, country.

COMPLIANCE

Every methodology is presented as education, not advice. All examples are anonymised, use a 30-day minimum data lag, and avoid specific securities. No methodology is presented as a real-time signal, recommendation, or model portfolio.

HOW TO READ

Each methodology follows the uniform eight-section template (Markets → Diagram → Formula → Formula Note → Parameters → Interpretation → Signal → Example → Mistakes → Timeframes). Use the consistent structure to compare methodologies by jumping directly to the section you need.


CR-121 · Daily / Weekly EMA Cross Alignment


Multi-TF
Stage 2 - MTF EMA

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF 

Lower TF 

Composite cross signals confluence

3 · FORMULA

Cross: Daily EMA20 > Daily EMA50 AND Weekly EMA20 > Weekly EMA50

4 · FORMULA NOTE

MTF alignment of fast-vs-slow EMA crosses across daily and weekly timeframes; classic MTF trend confirmation.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Daily / Weekly EMA Cross Alignment fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-122 · 1H / Daily SMA Cross Alignment

Multi-TF
Stage 2 - Intraday-daily

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: 1H Close > 1H SMA50 AND Daily Close > Daily SMA50

4 · FORMULA NOTE

Intraday and daily SMA agreement; useful for trend-aligned intraday entries.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; 1H / Daily SMA Cross Alignment fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-123 · Daily / Weekly RSI Cross

Multi-TF
Stage 3 - MTF momentum

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Daily RSI > 50 AND Weekly RSI > 50

4 · FORMULA NOTE

MTF RSI agreement reduces single-timeframe noise.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Daily / Weekly RSI Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-124 · Daily / Weekly MACD Cross

Multi-TF
Stage 3 - MTF MACD

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Daily MACD > Signal AND Weekly MACD > 0

4 · FORMULA NOTE

MTF MACD agreement combines short-term momentum with weekly trend.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Daily / Weekly MACD Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-125 · Triple Timeframe Cloud Cross

Multi-TF
Stage 3 - MTF Ichimoku

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Close > Cloud on 1H, Daily, AND Weekly

4 · FORMULA NOTE

Ichimoku cloud alignment across three timeframes; very rare, very high conviction.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Triple Timeframe Cloud Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-126 · MTF Donchian Stack

Multi-TF
Stage 3 - MTF Turtle

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Daily Donchian break AND Weekly Donchian Width expansion

4 · FORMULA NOTE

Donchian breakout on daily plus weekly volatility expansion confirms regime change.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; MTF Donchian Stack fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-127 · MTF SuperTrend Alignment

Multi-TF
Stage 2 - MTF SuperTrend

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: 4H, Daily, Weekly all show same SuperTrend direction

4 · FORMULA NOTE

Three-timeframe SuperTrend agreement; useful for medium-term position trades.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; MTF SuperTrend Alignment fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-128 · Quad EMA Stack

Multi-TF
Stage 2 - 4-period stack

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: EMA8 > EMA13 > EMA21 > EMA55 (Fibonacci stack) all aligned

4 · FORMULA NOTE

Fibonacci-period EMA stacking aligned represents strong trend regime.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Quad EMA Stack fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-129 · Daily-Weekly-Monthly RSI Cross

Multi-TF
Stage 3 - Long-horizon

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Daily RSI > 50 AND Weekly RSI > 50 AND Monthly RSI > 50

4 · FORMULA NOTE

Three-timeframe RSI agreement spans years of holding-period horizon.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Daily-Weekly-Monthly RSI Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-130 · Cross-asset Index Confirmation

Multi-TF
Stage 3 - Index regime

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Stock cross + Sector index aligned + Broad index aligned

4 · FORMULA NOTE

Single-stock signal confirmed by sector and broad-index regime alignment.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Cross-asset Index Confirmation fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-131 · RSI / MACD Composite Cross

Composite
Stage 2 - Two-indicator

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: RSI > 50 AND MACD > Signal

4 · FORMULA NOTE

Two-indicator agreement; reduces single-indicator false signals.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; RSI / MACD Composite Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-132 · Triple Confirmation Cross

Composite
Stage 3 - Three-indicator

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Price > EMA200 AND MACD > 0 AND RSI > 50

4 · FORMULA NOTE

Three-fold composite; trend, momentum, and bias all agree.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Triple Confirmation Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-133 · ADX-Filtered MA Cross

Composite
Stage 2 - Trend strength filter

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $EMA\ fast > EMA\ slow\ AND\ ADX > 20$

4 · FORMULA NOTE

MA cross filtered by trend strength; cuts whipsaws in chop.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; ADX-Filtered MA Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-134 · Volume-Weighted RSI Cross

Composite
Stage 3 - Volume-aware momentum

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $VW-RSI > 50$

4 · FORMULA NOTE

Volume-weighted RSI uses volume as bar weight; less noisy than standard RSI.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Volume-Weighted RSI Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-135 · Stochastic / RSI Combined Cross

Composite
Stage 3 - Two-oscillator

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Stoch %K > %D AND RSI > 50

4 · FORMULA NOTE

Two-oscillator agreement for momentum-shift confirmation.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Stochastic / RSI Combined Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-136 · Squeeze Momentum Cross

Composite
Stage 3 - John Carter

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: TTM Squeeze release + Momentum oscillator direction

4 · FORMULA NOTE

John Carter's TTM Squeeze with momentum oscillator confirmation.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Squeeze Momentum Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-137 · Heikin-Ashi / EMA Composite

Composite
Stage 2 - HA confirmation

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Heikin-Ashi colour change + Close > EMA50

4 · FORMULA NOTE

Heikin-Ashi candles' colour change with trend-filter confirmation.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Heikin-Ashi / EMA Composite fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-138 · Williams %R / Stochastic Cross

Composite
Stage 3 - Two-mom

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: %R > -50 AND Stoch %K > 50

4 · FORMULA NOTE

Two-momentum-oscillator agreement; both measure overbought/oversold from different angles.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Williams %R / Stochastic Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-139 · ROC / RSI Cross

Composite
Stage 3 - Velocity + level

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $ROC > 0$ AND $RSI > 50$

4 · FORMULA NOTE

Rate of change with RSI; velocity and level both positive.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; ROC / RSI Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-140 · Five-Indicator Quorum Cross

Composite
Stage 3 - Quorum logic

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Quorum (≥ 3 of 5 indicators agree)

4 · FORMULA NOTE

Quorum-based composite; flexible to single-indicator failures while requiring majority agreement.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Five-Indicator Quorum Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-141 · Advance / Decline Line Cross

Internals
Stage 2 - Breadth

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: AD Line > SMA(AD, 50)

4 · FORMULA NOTE

Advance/Decline line crossing its long-period MA marks broad-market breadth shift.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Advance / Decline Line Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-142 · McClellan Oscillator Cross

Internals
Stage 3 - Breadth oscillator

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $McClellan > 0$

4 · FORMULA NOTE

McClellan oscillator (Sherman & Marian McClellan) crossing zero signals breadth regime change.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; McClellan Oscillator Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-143 · TICK Index Cross

Internals
Stage 3 - Intraday breadth

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: TICK > +500 AND prior <= +500

4 · FORMULA NOTE

TICK index measures intraday market breadth; extreme readings precede trend exhaustion.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; TICK Index Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-144 · TRIN (Arms Index) Cross

Internals
Stage 3 - Arms

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $TRIN < 1.0$ AND prior ≥ 1.0

4 · FORMULA NOTE

Richard Arms' TRIN measures advancing volume vs declining volume.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; TRIN (Arms Index) Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.


CR-145 · New High / New Low Ratio Cross


Internals
Stage 3 - 52-week breadth

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF 

Lower TF 

Composite cross signals confluence

3 · FORMULA

Cross: $NH/NL \text{ ratio} > 1.0$

4 · FORMULA NOTE

52-week new high/new low ratio crossing 1.0 marks broad-market regime shift.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; New High / New Low Ratio Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-146 · High Beta / Low Beta Ratio Cross

Internals
Stage 3 - Risk-on detector

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $HB/LB \text{ ratio rising} > SMA(HB/LB, 20)$

4 · FORMULA NOTE

High-beta vs low-beta ETF ratio crossing its mean signals risk-on regime.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; High Beta / Low Beta Ratio Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-147 · Cyclical / Defensive Sector Cross

Internals
Stage 3 - Sector rotation

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Cyclical sector index > Defensive sector index relative

4 · FORMULA NOTE

Cyclical-vs-defensive sector relative strength as macro cycle indicator.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Cyclical / Defensive Sector Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-148 · Bond / Equity Yield Spread Cross

Internals
Stage 3 - Yield-spread

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Earnings yield > 10Y bond yield AND prior <=

4 · FORMULA NOTE

Equity earnings yield crossing above bond yield is a valuation signal.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Bond / Equity Yield Spread Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-149 · India VIX Cross

Internals
Stage 2 - Volatility regime

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $VIX > SMA(VIX, 20)$

4 · FORMULA NOTE

India VIX crossing above its mean signals volatility regime change.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; India VIX Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-150 · Put / Call Ratio Cross

Internals
Stage 3 - Sentiment

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $PCR > 1.0$ AND $prior \leq 1.0$

4 · FORMULA NOTE

Put/call ratio crossing 1.0 reflects sentiment regime shift; contrarian indicator.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Put / Call Ratio Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-151 · Stock / Index Relative Strength Cross

Relative strength
Stage 2 - RS

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $\text{Stock/Index ratio} > \text{SMA}(\text{ratio}, 50)$

4 · FORMULA NOTE

Relative strength of stock vs broad index; standard institutional rotation signal.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Stock / Index Relative Strength Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-152 · Sector / Index RS Cross

Relative strength
Stage 2 - Sector rotation

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Sector/Index > SMA(50)

4 · FORMULA NOTE

Sector vs broad index RS for institutional sector rotation.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Sector / Index RS Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-153 · Dual RS Confirmation

Relative strength
Stage 3 - Stock + sector

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: $Stock/Sector > 0$ AND $Sector/Index > 0$

4 · FORMULA NOTE

Double RS: stock outperforms sector AND sector outperforms market. High-conviction long candidate.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Dual RS Confirmation fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-154 · Mansfield RS Cross

Relative strength
Stage 3 - Stan Weinstein

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Mansfield RS > 0

4 · FORMULA NOTE

Stan Weinstein's Mansfield RS uses centred normalisation around zero.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Mansfield RS Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-155 · RS Line Slope Cross

Relative strength
Stage 3 - RS velocity

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF

Lower TF

Composite cross signals confluence

3 · FORMULA

Cross: $\text{Slope}(\text{RS}, 5) > 0$ AND prior ≤ 0

4 · FORMULA NOTE

RS line slope direction change precedes RS line cross by 1-3 bars.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; RS Line Slope Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-156 · Multiple Stock RS Stack

Relative strength
Stage 3 - Basket alignment

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Stock A RS > Stock B RS > Stock C RS for multi-stock portfolio

4 · FORMULA NOTE

Basket-level RS stacking for portfolio rotation decisions.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Multiple Stock RS Stack fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-157 · Sector Rotation Cross

Relative strength
Stage 3 - Cycle-aware

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Cyclical leading + early-cycle sectors strong

4 · FORMULA NOTE

Sector rotation pattern aligned with business cycle phase.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Sector Rotation Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-158 · Country / Region RS Cross

Relative strength
Stage 3 - Macro RS

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Country ETF / World ETF ratio rising

4 · FORMULA NOTE

Country vs world relative strength for macro asset allocation.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Country / Region RS Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-159 · Currency-adjusted RS Cross

Relative strength
Stage 3 - FX-aware

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: Stock RS adjusted for INR vs USD

4 · FORMULA NOTE

Currency-adjusted RS for cross-border portfolios.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; Currency-adjusted RS Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.

CR-160 · 52-Week RS Rank Cross

Relative strength
Stage 3 - IBD-style

1 · MARKETS

All liquid markets.

2 · DIAGRAM

Higher TF ■■■■■■

Lower TF ■■■■■■

Composite cross signals confluence

3 · FORMULA

Cross: 52W RS rank > 80

4 · FORMULA NOTE

IBD-style 52-week relative strength rank crossing the 80th percentile.

5 · PARAMETERS

Parameter	Default	Range	Notes
Period	varies	varies	Indicator-specific
Source	Close	Close/HL2	Price source
Confirmation	1 bar	1-3	Persistence
Composite	AND/OR	AND/OR	Combination logic

6 · INTERPRETATION

- Multi-timeframe / composite signals require alignment across multiple inputs.
- First confluence after extended absence is highest-quality.
- Volume confirmation strengthens.
- Stop placement is structural at the lower-timeframe entry candle.

7 · SIGNAL CRITERIA & ENTRY RULES

- Composite condition fires with confirmation bar.
- Volume support.
- All component indicators must agree.
- Stop: structural; target: 1.5R+

8 · EXAMPLE

Hypothetical liquid market; 52-Week RS Rank Cross fired during a confirmed regime with volume confirmation. (Anonymised, 30-day data lag.)

COMMON MISTAKES

- Treating the cross as a stand-alone entry signal with no regard for trend context.
- Using too-tight stops at the cross point — typical noise will trigger them.
- Position sizing identically across regimes — high-volatility crosses need smaller size.
- Ignoring volume confirmation on the cross bar.
- Backtesting only winners and dismissing losers as 'unusual'.

RECOMMENDED TIMEFRAMES

Daily and weekly primary; some MTF setups span 1H and Daily.