

Blitz RSI Divergence Ladder Update v.2

TradingView indicator — user manual · Pine Script v6 · overlay indicator

Indicator	Blitz RSI Divergence Ladder Update v.2 (Blitz RSI Div+ v2)
Source file	<code>blitz_rsi_divergence_ladder_update_v.2.pine</code>
English-only build	<code>blitz_rsi_divergence_ladder_update_v.2_EN.pine</code>
Pine version	v6 (overlay = true, 500 labels / 500 lines / 50 boxes)
Settings	13 groups · 87 inputs
Alerts	39 alert conditions
Document	2026-07-28 · written directly from the .pine source

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1. What this indicator does

Blitz RSI Divergence Ladder exists to stop you from **trading an RSI divergence on its own**. It treats a divergence not as an entry signal but as a *candidate*, and then requires two more gates — a **price structure break** and a **momentum confirmation** — before it calls anything an entry. That three-step sequence is the **Ladder**.

Stage	Label	Meaning
1/3	LONG 1/3 BULL DIV	An RSI divergence has been <i>confirmed</i> . This is not an entry. Just put it on your watchlist.
2/3	LONG 2/3 BREAK	Price closed above the high of the divergence pivot bar. Momentum actually turned.
3/3	LONG 3/3 CONFIRM	RSI above 50 <i>and</i> close above EMA21. This is the entry . The trade plan is drawn automatically.

The moment 3/3 fires, the indicator draws **entry, stop loss and target lines (TP1/TP2) plus shaded risk and reward zones**. When that trade finishes it stamps a result label — **WIN +2.10R** / **LOSS -1.00R** — and **adds it to the performance table in the bottom-right corner**. In other words, this indicator does not just print signals; it **keeps its own scorecard on the chart**.

Main components

- **3-stage ladder** — the RSI-divergence entry procedure (the core)
- **Automatic trade plan** — entry / SL / TP1 / TP2 plus risk and reward zones
- **Performance table** — win rate, total R, average R, estimated account return
- **Market structure** — BOS / CHoCH / SFP liquidity sweeps / S-R zones
- **Higher-timeframe dashboard** — 4H and daily bias plus a one-line action guide
- **Extra modules** — Pistol pattern, L pattern, Gartley harmonic, 4H 1:1 channel
- **Presets** — switch whole feature sets by trading purpose (reversal / trend / zone)
- **39 alerts** — per stage, per exit type, plus combined catch-all alerts

Two builds, one logic

The main file carries a `Visuals → Label language` input that switches

every chart label and the dashboard between plain Korean and English

— no file swap needed. The separate `_EN.pine` build is English-only (identical logic, minus the language input) for users who want the settings panel entirely in English.

2. Install and first setup

Installation

1. Open a TradingView chart → click the **Pine Editor** tab at the bottom
2. Paste the full contents of `blitz_rsi_divergence_ladder_update_v.2.pine`
3. **Save** (give it a name) → **Add to chart**
4. If the dashboard appears in the top-right corner, it is working.

Three things to check on first run

Setting	Group	Why it matters
Recommended combination (preset)	00. Best combination preset	Picks a whole feature set matched to your style. Default is Best 1 - Reversal .
Label language	Visuals	Plain Korean or English. Set it to English on the main build.
First / Second check timeframe	Trend / timeframe checks	The higher-timeframe filter. Defaults are 240 (4H) and D (daily) . Match them to your holding period.

Recommended starting configurations

Use case	Suggested setup
Swing trading (default)	15m–1h chart · preset Best 1 - Reversal · HTF 4H + D
Trend following	1h–4h chart · preset Best 2 - Trend · keep <code>Require DMI direction</code> on
Support / resistance trading	15m–1h chart · preset Best 3 - Zone · <code>Zone half-width (ATR)</code> 0.35–0.5
Video / presentation	<code>Presentation mode</code> ON + <code>Color theme</code> = High contrast + label size Large

Shortest path for a beginner

Leave the preset on

Best 1

and read only the top row of the dashboard —

“Guide”

. It tells you in plain words what to do right now: wait, watch, get ready, or manage a running trade.

3. What you see on the chart

3-1. Screen layout

Position	Element	Contents
Top right	Dashboard (10 rows)	Guide · RSI · Trend+ADX · 4H channel · Pattern · Gartley · MA gap · 4H · Daily · Position
Bottom right	Performance table (6 rows)	Trades (W/BE/L) · win rate · total R · avg R · last · account return
Bottom left	Legend (optional)	Meaning of 20 labels. Only shown when <code>Large legend override = Force on</code>
On the chart	Labels · lines · zones	Ladder stages, structure signals, trade plan, S-R zones

3-2. Label dictionary

Category	Label (English)	Meaning
Ladder	LONG 1/3 BULL DIV	Bullish divergence confirmed (not an entry)
	SHORT 1/3 BEAR DIV	Bearish divergence confirmed
	... CAUTION	Fired inside a strong opposite trend (yellow, low reliability)
	LONG / SHORT 2/3 BREAK	Pivot trigger broken by the close
	... STRUCTURE BREAK	The 2/3 break agrees with market structure (blue / orange highlight)
	LONG / SHORT 3/3 CONFIRM STRONG	Entry. STRONG = strong ADX trend plus structure agreement
Market structure	BULL / BEAR BOS	Break of Structure — trend continuation
	BULL / BEAR ChoCH	Change of Character — first sign of a reversal
	BULL SFP LIQ SWEEP	Low swept, then reclaimed — stop hunt below
	BEAR SFP LIQ SWEEP	High swept, then rejected — failed breakout
Trade plan	ENTRY / SL	White solid line / red solid line (stop label also shows risk %)
	TP1 SWING	Yellow dashed + R multiple. Last confirmed swing high / low
	TP2 2R	Purple dotted. Twice the risk distance
	TP1 HIT / TP2 HIT	Target touched
Results	WIN +x.xxR	Trade closed in profit
	BE x.xxR	Closed inside the breakeven band (excluded from win rate)
	LOSS -x.xxR	Trade closed at a loss
Exit / management	EXIT LONG LOW BROKEN	Stop line (invalidation low) lost
	EXIT SHORT HIGH BROKEN	Stop line broken to the upside
	EXIT LONG / SHORT TREND DOWN / UP	Trend flipped against the position
	EXIT LONG / SHORT BEAR / BULL DIV	Opposite divergence appeared (advisory)
	WATCH LONG / SHORT WEAK	One-time momentum-weakening warning
	LONG / SHORT SCALE OUT WEAK	Same event when WATCH partial-exit mode is on

Category	Label (English)	Meaning
Extra patterns	PISTOL LONG	Pullback long inside a stacked 50/200 uptrend
	EXIT PISTOL 200 LOST	Close below the 200 MA
	L LONG / L STRONG	Base built after a drop, 50 MA reclaimed / 200 MA broken
	EXIT L 50 LOST	Close below the 50 MA
	BULL / BEAR GARTLEY	XABCD ratios met — harmonic reversal zone
4H channel	BREAK UP / DOWN 4H CH	Channel boundary broken
	CHANNEL UP / DOWN / BOX RANGE	Channel state label at the right edge

3-3. Colour scheme

Colour	Default	Used for
Green bull	#00BE87	Long stages, bull BOS, reward zone, WIN result
Red bear	#F04150	Short stages, bear BOS, stop line, risk zone, LOSS result
Blue bull accent	#009BDC	Bull CHoCH · SFP · STRONG · structure-backed 2/3
Orange bear accent	#FF8728	Bear CHoCH · SFP · STRONG · structure-backed 2/3
Yellow caution	#FFCD41	Counter-trend warning, WATCH, TP1 line, box range
Purple exit	#915FFF	All exit labels, TP2 line
Grey neutral	#5A5F69	Neutral states, BE result, Gartley ratio label

The `Colors / theme` group switches all of these at once between **Default / High contrast / Soft dark / Custom**.

4. Core engine — the 3-stage ladder

4-1. Exact trigger conditions

Stage	LONG condition	SHORT condition
1/3	A pivot low confirms and price is below the previous pivot low while RSI at that pivot is higher (regular bullish divergence)	A pivot high confirms and price is above the previous pivot high while RSI at that pivot is lower (regular bearish divergence)
2/3	On a later bar, close > the high of the pivot-low bar	On a later bar, close < the low of the pivot-high bar
3/3	On a bar after 2/3, RSI > 50 and close > EMA21	On a bar after 2/3, RSI < 50 and close < EMA21

Each stage must occur on a **different bar** — 1/3, 2/3 and 3/3 can never fire on the same candle. If a divergence in the opposite direction confirms, the current ladder is cancelled immediately and replaced.

4-2. Ladder expiry

If the ladder does not advance within `Cancel ladder after bars` (default **72 bars**) of the 1/3 signal, it is discarded. That is 18 hours on a 15-minute chart, three days on an hourly.

4-3. STRONG and CAUTION grades

Grade	Stage	Condition
STRONG	3/3	$ADX \geq 25$, close on the correct side of EMA21, DI direction agrees — and (if <code>Require structure agreement</code> is on) a same-direction structure break exists within the last 72 bars
CAUTION	1/3	The divergence appeared in the middle of a <i>strong opposite</i> trend ($ADX \geq 25$) — a high-failure-rate setup
STRUCTURE BREAK	2/3	Market structure (BOS / CHoCH / SFP) confirmed in the same direction within the last 72 bars

Understand the pivot confirmation lag

Stage 1/3 needs a confirmed pivot. With the default `Pivot right bars = 6`, the label only appears **6 bars after**

the pivot and is drawn

6 bars back in the past

. That is 90 minutes on a 15-minute chart, six hours on an hourly. This is not repainting — it is the cost of waiting for confirmation, and it is exactly why the indicator treats 1/3 as a *candidate* rather than an entry.

5. Trade plan (entry, stop, targets)

When 3/3 confirms, the indicator draws the following set. `Show trade plan after 3/3` must be on; by default `Targets override = Force on`, so it appears under every preset.

TP2 2R	62,150		purple dotted	
TP1 SWING	61,900	2.6R - - - -	yellow dashed	<- green reward zone
ENTRY	61,250	=====	white solid	
SL	60,800	-0.73% =====	red solid	<- red risk zone

Line	How the price is derived	Notes
ENTRY	The close of the bar where 3/3 confirmed	White solid line, price on the label
SL	The 1/3 pivot price that created the ladder (pivot low for longs, pivot high for shorts)	Red solid line; the label also shows risk as a % of entry
TP1	The last confirmed swing high (long) / swing low (short)	Yellow dashed with its R multiple. Not drawn if no swing exists beyond the entry
TP2	Entry ± (risk × 2) = 2R	Purple dotted. Controlled by <code>Show TP2 at 2R</code>
Risk zone	Entry to stop	Red shading (<code>Shade risk / reward zones</code>)
Reward zone	Entry to the furthest target	Green shading

What is R?

R is the risk you took on one trade — the distance from entry to stop — expressed as 1. +2R means you made twice your stop distance. It lets you compare results across instruments and account sizes. Getting stopped out is −1R.

How a trade closes

Any of the following **freezes the plan lines and zones at that bar** (they stop extending right), stamps the result label, and adds the trade to the performance table:

- Stop line lost (low broken / high broken)
- Trend-flip exit
- TP2 reached
- TP1 reached when no TP2 exists
- Breakeven stop triggered (in TP1 partial-exit mode, price returns to entry)

6. Reading the performance table

The six-row table in the bottom-right corner tallies the real outcome of every plan the indicator drew **within the bars currently loaded on your chart**. Scroll further back in history and the numbers recalculate.

Row	What it shows
Trades (HTF)	Trade count and breakdown n (W wins / BE breakeven / L losses)
Win rate (ex-BE)	Wins ÷ (wins + losses) × 100. Breakeven trades are removed from the denominator
Total R	Sum of R across all counted trades — the real score
Avg R	Total R ÷ number of trades (breakevens included)
Last	R of the most recently closed trade

Row	What it shows
Account return (est.)	Total R × Risk per trade % , simple (non-compounded)

6-1. The four settings that shape these numbers

Setting	Default	Effect on the tally
Stats scope	HTF aligned	HTF aligned counts only trades where <i>both</i> higher timeframes agreed at entry — the recommended way to use the indicator. All signals includes counter-trend setups too.
TP1 partial exit + breakeven stop	on	Assumes half the remaining position is banked at TP1 and the stop moves to breakeven for the rest. If price then closes back at entry, the trade ends there.
WATCH partial exit	on	On a WATCH (weakening) signal, assumes half of what is left is closed at that bar's close . The label changes to SCALE OUT.
Breakeven band (±R)	0.1	Results between −0.1R and +0.1R are classified as breakeven , not win or loss, and are excluded from the win rate.

Do not misread “Account return”

It is simply
total R × risk per trade
 . At 1% risk, +5R total is roughly +5% — simple interest, no compounding, no fees, no slippage.
Leverage is only the tool you use to reach that 1% risk; it is not a return multiplier.

This table is not a backtest

These are not strategy backtest results. They are an after-the-fact tally of the plans the indicator drew
inside the loaded bar range
 . Fees, slippage and fill failures are not modelled, and with a small sample the win rate swings wildly.
Treat the numbers as meaningful only after dozens of trades have accumulated.

7. Complete exit rules

Exit type	Trigger	Nature
LOW / HIGH BROKEN	Close beyond the stop line (the 1/3 pivot)	Hard exit. Monitored from stage 1 onward; resets the position state
TREND DOWN / UP	Trend flips against a position at stage 2 or later	Hard exit. See the trend definitions below
BEAR / BULL DIV	A divergence confirms against the open position	Advisory. Label and alert only — the plan is not force-closed

Exit type	Trigger	Nature
WATCH ... WEAK	At stage 2+, close crosses to the wrong side of EMA21 <i>and</i> RSI crosses the 50 line	One-time warning. In partial-exit mode, half the remainder is banked
TP1 HIT	High (long) / low (short) touches TP1	Partial exit plus stop moved to breakeven (when enabled)
TP2 HIT	High / low touches TP2	Trade closed and tallied

Internal trend definitions

State	Condition
Trend Up	close > EMA21 <i>and</i> EMA21 > EMA55 <i>and</i> RSI ≥ 50 <i>and</i> (+DI ≥ −DI when Require DMI is on)
Trend Down	close < EMA21 <i>and</i> EMA21 < EMA55 <i>and</i> RSI ≤ 50 <i>and</i> (−DI ≥ +DI when Require DMI is on)
Strong Up / Down	ADX ≥ 25 <i>and</i> close on that side of EMA21 <i>and</i> DI direction agrees

8. Market structure signals

The indicator remembers the most recent confirmed pivot high and low as “structure levels” and derives four signals from how price interacts with them.

Signal	Condition	Interpretation
BULL BOS / BEAR BOS	Close crosses the structure high (or low) while the previous bias was already in that direction	Break of Structure — trend continuation
BULL CHoCH / BEAR CHoCH	Same break, but the previous bias was the opposite	Change of Character — the first sign of a reversal
BULL SFP	Low dips below the structure low but the close finishes above it , and the previous bar's low was above	Liquidity sweep — stops hunted, then reclaimed
BEAR SFP	High pokes above the structure high but the close finishes below it	Liquidity sweep — failed breakout

Support / resistance zones

Around the latest confirmed pivot low and high the indicator draws a box extending **ATR(14) × Zone half-width** (default 0.35) above and below. Each new confirmed pivot deletes the old box and redraws, so **only the newest support and resistance zone is ever shown**. Both extend to the right.

How to combine structure with the ladder

The highest-conviction sequence is

1/3 divergence → SFP or CHoCH → 2/3 break → 3/3 confirm

. The

Best 1 - Reversal

preset enables exactly this combination.

9. The four extra modules

These modules only run when the **Patterns / Gartley / channel** override is set to **Force on**, or when the preset is **Custom**. They are off under all three Best presets.

9-1. Pistol pattern

A pullback long inside an established uptrend.

- MA50 > MA200 and **both rising** (slope measured over 5 bars)
- The low has **not touched the 200 MA for 20 bars**
- The low dips to within 1% of the 50 MA but **the close holds above it**
- Close is higher than the previous close
- Optional: 1H/4H higher-timeframe flow must be long-friendly

- **Exit:** close below the 200 MA

9-2. L pattern

The moment a market stops falling, builds a base and starts to turn up.

- $MA50 < MA200$ with at least one of them falling (bearish stack)
- A **drop of 4% or more** from the 30-bar high
- The lowest low of the last 8 bars is **above** the prior base low (higher low)
- Close above the 50 MA, either by crossing it or after touching it from below
- **L STRONG**: the close later **crosses above the 200 MA**
- **Exit:** close below the 50 MA

9-3. Gartley harmonic

When the last five swings (X-A-B-C-D) satisfy the Gartley ratios, point D is marked as a reversal zone.

Ratio	Target	Tolerance
XAB (AB/XA)	0.618	Gartley ratio tolerance %, default ±10%
ABC (BC/AB)	0.382 – 0.886	
BCD (CD/BC)	1.272 – 1.618	
XAD (AD/XA)	0.786	

- $X \rightarrow D$ must span no more than `Max X-D bars` (default 180)
- The high/low sequence must form a valid zig-zag (checked internally)
- Optional `Require RSI side`: bullish Gartley needs RSI below 50 at D, bearish needs it above
- When lines are drawn, the actual computed ratios appear on B and C, and XAD / BCD below D

9-4. 4H 1:1 channel

Builds a channel from two pivots on the higher timeframe set by `Channel timeframe` (default 240 minutes).

State	Condition	Drawing
BOX RANGE	Both recent lows and both recent highs vary by 1.2% or less	Horizontal top and bottom + midline
CHANNEL UP	The two recent lows are rising	Trendline through the lows + a parallel line (1:1)
CHANNEL DOWN	The two recent highs are falling	Trendline through the highs + parallel line

Channel width comes from the actual distance to the opposite pivot; if that is too narrow it is widened to three times $ATR(14)$. A close beyond either boundary prints **BREAK UP** or **BREAK DOWN**.

10. Reading the dashboard

Row	Example	How to read it
Guide	Long setup 2/3 Wait for 3/3 confirm	Read this first. Plain-language instruction for right now (table below)
RSI	58.3 Neutral	Current RSI plus Overbought (>70) / Oversold (<30) / Neutral
Trend	Trend Up ADX 27.4	Trend verdict plus ADX. ADX above 25 means a strong trend
4H Channel	Up / Down / Box / Waiting / Off	"Off" means the extra modules are disabled
Pattern	Pistol / L / L Strong / Pistol setup / –	"setup" = conditions nearly met (yellow)
Gartley	Bull 12 bars	Direction of the last Gartley and how many bars ago
MA Gap	Wide 3.8%	Distance between MA50 and MA200. "Wide" warns of overextension
240 (4H)	Long OK RSI 61.2	Bias on the first higher timeframe
D (daily)	Long OK RSI 55.8	Bias on the second higher timeframe
Position	Long S2	Direction and stage of the ladder in progress

How HTF bias is judged: that timeframe's RSI ≥ 50 *and* close $\geq$ EMA21 → **Long OK**; RSI ≤ 50 *and* close $\leq$ EMA21 → **Short OK**; otherwise **Neutral**.

What the Guide row tells you

Situation	Text	Action
No ladder, unclear HTF	Wait / No clear HTF bias	Do nothing
HTF long + overbought	HTF long + overbought / Don't chase, wait for dip	No chasing
HTF long, normal	HTF long / Wait for long signal at support	Wait for a 1/3 near support
Stage 1/3 running	Long candidate 1/3 / Wait for break (2/3)	Observe only
Stage 2/3 running	Long setup 2/3 / Wait for 3/3 confirm	Get ready — still not an entry
Stage 3/3 running	Long running 3/3 / Manage via TP / exit labels	Manage the plan
HTF disagrees	Counter-trend long setup / Better to skip (stage 1) Long 2/3, HTF disagrees / Manage tightly (stage 2+)	Yellow warning. Skip it, or cut size and targets

11. Presets and overrides

A preset is a **single switch that decides which features are on**, tuned to a trading purpose. It sits at the top of the 00. Best combination preset group.

Feature	Best 1 Reversal	Best 2 Trend	Best 3 Zone	Custom
Divergence lines	•	–	•	manual
BOS / CHoCH	•	•	–	manual
SFP liquidity sweeps	•	–	–	manual
Support / resistance zones	–	–	•	manual
Trade plan	•	•	•	manual
Dashboard	–	•	–	manual
1/2/3 labels	•	•	•	manual
Large legend	–	–	–	manual
Extras (patterns · Gartley · channel)	–	–	–	•

• = enabled by the preset · – = disabled by the preset

Overrides — forcing a feature regardless of preset

The nine entries below the preset each accept **Follow preset / Force on / Force off**. **Force always wins over the preset.**

Override	Default	Result
S/R zones override	Force on	Out of the box these are always on, whatever the preset says
Targets override	Force on	
HTF dashboard override	Force on	
The other six overrides	Follow preset	Take the preset value from the table above

If you want the extra modules

Pistol, L, Gartley and the 4H channel are off under all three Best presets. Turn them on with Patterns / Gartley / channel =

Force on

, or switch the preset to

Custom

.

12. Full settings reference

13 groups, 87 inputs. Entries in **bold** materially change the indicator's output.

00. Best combination preset (10)

Input	Default	Description
Recommended combination	Best 1 - Reversal	Best 1 / Best 2 / Best 3 / Custom
Divergence override	Follow preset	Each accepts Follow preset / Force on / Force off
BOS / CHoCH override	Follow preset	
SFP override	Follow preset	
S/R zones override	Force on	
Targets override	Force on	
HTF dashboard override	Force on	
1/2/3 labels override	Follow preset	
Large legend override	Follow preset	
Patterns / Gartley / channel	Follow preset	

RSI (4)

Input	Default	Description
RSI length	14	RSI period (min 2)
Overbought	70	Overbought level (50–100)
Oversold	30	Oversold level (0–50)
RSI confirmation level	50	The 3/3 confirmation line; also used for HTF bias

Divergence (3)

Input	Default	Description
Pivot left bars	6	Bars required to the left of a pivot
Pivot right bars	6	Bars required to the right — this sets the signal delay
Draw divergence lines	on	Connecting lines between the two pivots

Market structure / liquidity (5)

Input	Default	Description
Show BOS / CHoCH	on	Structure break and change-of-character labels
Show liquidity sweeps (SFP)	on	Sweep labels
Require structure agreement for STRONG	on	Off = STRONG granted on the ADX condition alone
Show latest support / resistance zones	on	Newest S/R boxes

Input	Default	Description
Zone half-width (ATR)	0.35	Half-width = ATR(14) × this value (0.05–2.0)

Swing targets (10)

Input	Default	Description
Show trade plan after 3/3	on	Entry / SL / TP line set
Show TP2 at 2R	on	The 2R target line
Shade risk / reward zones	on	Red and green shading
Show WIN / LOSS result labels	on	Result label at trade close
Show performance stats table	on	Bottom-right table
TP1 partial exit + breakeven stop	on	Assume half out at TP1, stop to breakeven
WATCH partial exit	on	Assume half of the remainder out on WATCH
Stats scope	HTF aligned	HTF aligned / All signals
Breakeven band (±R)	0.1	Breakeven classification band (0–0.5)
Risk per trade %	1.0	Used for the account-return row (0.1–10)

Entry ladder (2)

Input	Default	Description
Cancel ladder after bars	72	Discard the ladder if it stalls this long after 1/3 (5–500)
EMA confirmation length	21	The 3/3 confirmation EMA; also used for trend and WATCH

Pistol / L patterns (14)

Input	Default	Description
Show Pistol / L labels	on	Pattern entry labels
Show Pistol / L exits	on	Pattern exit labels
Show 50 / 200 MAs	off	Plot the MA lines (aqua / orange)
50 / 200 MA type	EMA	EMA / SMA
Fast MA length	50	Fast MA period
Slow MA length	200	Slow MA period
Slope check bars	5	Lookback for MA slope
Pistol: 200 no-touch bars	20	Bars the 200 MA must stay untouched
50 support distance %	1.0	Tolerance for “touched the 50 MA”
L: base lookback bars	30	Window used to find the base
L: higher-low bars	8	Window used to confirm a higher low
L: prior drop %	4.0	Minimum preceding decline

Input	Default	Description
Wide 50-200 gap %	3.0	Threshold for the dashboard "Wide" MA-gap flag
Require 1H / 4H flow for Pistol	off	Demand higher-timeframe agreement

Harmonic patterns (5)

Input	Default	Description
Show Gartley labels	on	Gartley labels
Draw latest Gartley XABCD	on	Draw the legs and ratio annotations
Gartley ratio tolerance %	10.0	Ratio tolerance (1–30)
Max X-D bars	180	Maximum X→D span (20–500)
Require RSI side for Gartley	off	Demand the right RSI side at D

4H 1:1 channel (8)

Input	Default	Description
Show 4H 1:1 channel	on	Draw the channel
Channel timeframe	240	Timeframe the channel is built from
Channel pivot left / right bars	5 / 5	Pivot confirmation for the channel
Box flat threshold %	1.2	Variation allowed to call it a box range
Show channel midline	on	Dashed midline
Show channel state label	on	State label at the right edge
Show channel break labels	on	Break up / break down labels

Exit / trend change (5)

Input	Default	Description
Slow EMA trend length	55	Slow EMA used in the trend verdict
Require DMI direction for trend flip	on	Demand DI agreement on a flip (fewer false signals)
Show standalone trend change labels	off	Trend-flip labels independent of any position
Show exit labels	on	All exit labels
Show trend EMAs	off	Plot EMA21 / EMA55

Trend / timeframe checks (6)

Input	Default	Description
First check timeframe	240 (4H)	First higher timeframe
Second check timeframe	D (daily)	Second higher timeframe
DMI length	14	DMI period

Input	Default	Description
ADX smoothing	14	ADX smoothing period
Strong trend warning ADX	25.0	Strong-trend threshold (drives STRONG / CAUTION)
Show dashboard	on	Top-right dashboard

Visuals (7)

Input	Default	Description
Presentation mode	off	For video: hides WATCH / OB-OS / standalone trend labels, forces at least Large labels, thickens plan lines
Show 1/2/3 labels	on	Ladder stage labels
Show OB/OS warnings	off	Overbought / oversold circle markers
Color OB/OS bars	off	Tint overbought / oversold candles
Main label size	Small	Small / Normal / Large / Huge
Label language	Korean (plain)	Korean / English
Show signal legend	on	Bottom-left legend (subject to the override)

Colors / theme (8)

Input	Default	Description
Color theme	Default	Default / High contrast (video) / Soft dark / Custom
Custom: bull / bear / caution / exit	indicator defaults	Applied only under the Custom theme
Custom: bull / bear accent	blue / orange	Accent for CHoCH · SFP · STRONG
Custom: entry line	white	Colour of the entry line

13. All 39 alerts

In TradingView: **Create alert** → **choose this indicator as the condition** → **pick from the list below**. Use **Once Per Bar Close** so alerts fire only on confirmed bars.

Category	Alert name
Ladder stages	Long 1/3 - Bullish RSI divergence
	Long 2/3 - Pivot break
	Long 3/3 - RSI and EMA confirmation
	Short 1/3 - Bearish RSI divergence
	Short 2/3 - Pivot break
	Short 3/3 - RSI and EMA confirmation
Trend change	Trend changed up
	Trend changed down
Exit / management	Watch long - weak
	Watch short - weak
	Exit long - trend down
	Exit short - trend up
	Exit long - low broken
	Exit short - high broken
	Exit long - bear divergence
	Exit short - bull divergence
Patterns	Pistol long
	Exit pistol - 200 lost
	L long
	L strong - 200 break
	Exit L - 50 lost
Harmonic	Bullish Gartley
	Bearish Gartley
4H channel	4H channel break up
	4H channel break down
Market structure	Bullish BOS
	Bearish BOS
	Bullish CHoCH
	Bearish CHoCH
	Bullish SFP liquidity sweep
	Bearish SFP liquidity sweep

Category	Alert name
Targets	TP1 swing target hit
	TP2 2R target hit
RSI warnings	RSI overbought warning
	RSI oversold warning
Combined (recommended)	Any long signal — long 1/3-2/3-3/3 · Pistol · L · L Strong · bullish Gartley
	Any short signal — short 1/3-2/3-3/3 · bearish Gartley
	Any long exit — invalidation · trend flip · opposite divergence · WATCH · Pistol/L exits
	Any short exit — invalidation · trend flip · opposite divergence · WATCH

Start with just the four combined alerts

If your plan limits the number of alerts,

Any long / short signal + Any long / short exit

is enough to follow the indicator's whole flow. Add

3/3

and

SFP / CHoCH

once you are comfortable.

14. Practical trading routine

At every bar close — three steps

1. **Read the dashboard's Guide row.** If it says "Wait", you are done.
2. **Check that both HTF rows (4H and daily) agree.** If they disagree, skip the signal or cut your size.
3. **When 3/3 prints, take the plan exactly as drawn.** Use the stop where the indicator put it and do not move it.

Managing an open trade

1. **WATCH ... WEAK** → consider closing half of what remains
2. **TP1 HIT** → bank half and **move the stop to entry (breakeven)**
3. **TP2 HIT** or any **EXIT** label → close the rest

This is exactly the sequence the performance table assumes. The numbers in that table are **the results of managing trades this way** — manage differently and your real results will differ.

Video / presentation setup

- **Presentation mode ON** — hides noisy labels (WATCH, OB/OS, standalone trend), enlarges the key ones, thickens the plan lines
- **Color theme = High contrast**
- **Main label size = Large or Huge**
- Optionally set **Large legend override = Force on** to show the bottom-left legend

15. Troubleshooting

Symptom	Cause and fix
No trade plan lines (entry / SL / TP)	They are drawn only after a 3/3 confirmation . Check that <code>Targets override</code> is not Force off and <code>Show trade plan after 3/3</code> is on.
TP1 is missing but TP2 is there	There was no confirmed swing high (or low) beyond the entry price. In that case only the 2R target is drawn.
Performance table is empty or shows “–”	(1) No trade has closed yet, or (2) <code>Stats scope = HTF aligned</code> and no trade had HTF agreement — switch to All signals to check.
Dashboard shows “Off” for channel / pattern / Gartley	The extra modules are disabled by the preset. Set <code>Patterns / Gartley / channel = Force on</code> .
Divergence labels appear late	Expected. The indicator waits <code>Pivot right bars</code> (default 6) for confirmation. Lowering it speeds things up but produces more false signals .
Too few signals	Drop to a lower timeframe, set <code>Pivot left/right bars</code> to 4–5, or raise <code>Cancel ladder after bars</code> .
Chart is too cluttered	Turn <code>Presentation mode</code> on, <code>Show OB/OS warnings</code> off, and switch the preset to Best 2 - Trend .
Old labels disappear	Pine limits: 500 labels, 500 lines, 50 boxes. The oldest are dropped automatically. Reduce the visible history.
Should I trade the yellow CAUTION signals?	Not recommended . They are divergences inside a strong opposite trend and fail often.
Labels are in Korean	Set <code>Visuals → Label language</code> to English , or load the <code>_EN.pine</code> build.

16. Limitations and disclaimer

You are responsible for your own trading decisions

This indicator is an **analysis aid**

. It does not guarantee profit, it is not investment advice, and every trade you place — and its outcome — is yours alone.

Technical limitations

- **Signal delay** — divergences wait for pivot confirmation (6 bars by default). This is not a tool for calling exact tops and bottoms.
- **Higher-timeframe data behaviour** — 4H and daily values use `lookahead_off` so there is no look-ahead bias, but **they keep changing until that higher bar closes**. Judging after the HTF bar closes is safer.
- **The stats table is not a backtest** — no fees, slippage or fill failures, and the values shift with the loaded bar range.
- **Sample bias** — a win rate computed from a handful of trades means nothing.

- **Weak in ranges** — being divergence-based, it produces more false signals when there is no direction. A “Box range” channel state plus a low ADX is your warning.
- **Drawing limits** — 500 labels / 500 lines / 50 boxes; beyond that the oldest drawings are removed.

Recommended operating rules

1. Only enter when **both higher timeframes agree**.
2. Stages 1/3 and 2/3 are **preparation**; enter at **3/3**.
3. **Do not move** the stop the indicator drew.
4. **Skip the yellow CAUTION setups**.
5. Keep risk per trade at **1–2% of the account** or less.

Blitz RSI Divergence Ladder Update v.2 — User Manual (English)

Source: `blitz_rsi_divergence_ladder_update_v.2.pine` · Pine Script v6 · document date 2026-07-28

Written directly from the .pine source. When you modify the indicator, update this document alongside it.