

U S E R M A N U A L

# Paratrade

## VOFA Volume Profile

A professional-grade TradingView indicator combining Volume Profile analysis, VSA signals, and dynamic VOFA supply/demand zones into a single unified trading intelligence layer.

<b>Volume Profile</b>	<b>VOFA Zones</b>	<b>VSA Signals</b>	<b>POC · VAH · VAL</b>	<b>LVN Detection</b>	<b>Climax Signals</b>
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## 01 Overview & Philosophy

The Paratrade VOFA Volume Profile indicator is built on the principle that price is merely the address — volume is the story. By layering Volume Spread Analysis (VSA) on top of a high-resolution volume profile, you see not just where price has been, but why it moved there, and which institutional fingerprints remain to guide future price action.

### Core Components

Component	Description
<b>Volume Profile Engine</b>	Builds a precision histogram of volume traded at each price level for every session, revealing the true structure of market interest.
<b>VOFA Dynamic Zones</b>	Automatically detects high-volume, wide-spread institutional footprints and draws them as supply/demand zones that extend and expire intelligently.
<b>VSA Signal Engine</b>	Identifies No Demand, No Supply, Test Bars, Buying Climax, Selling Climax, and Upthrust patterns with volume confirmation.
<b>Teal Session Detection</b>	Distinguishes high-volume institutional sessions from ordinary price action — entire profile and zones turn Teal for immediate visual clarity.
<b>LVN Zone Marking</b>	Low Volume Nodes — price vacuum areas where price accelerates — are highlighted and extended into the future as potential fast-travel zones.
<b>SP Bar Aggression Lines</b>	Single Print aggression bars draw dual reference lines that persist until price revisits them, marking institutional speed zones.

## 02 Volume Profile

The volume profile displays a horizontal histogram anchored to each session. Each row represents a price level; the width of the bar represents the relative volume traded at that level. This reveals the market's accepted price range and areas of institutional interest.

### Profile Elements

Element	Description
<b>Total Volume Bars</b>	All price rows outside the Value Area rendered in the Total Volume Color — representing the full traded range of the session.
<b>Value Area Bars</b>	Rows within the Value Area (68% of volume) use the Value Area Color, visually separating fair value from the session extremes.
<b>Teal Profile Mode</b>	When the session's total volume exceeds a significant multiple of the rolling average, the entire profile renders in Teal — a major institutional session signal.
<b>Placement Options</b>	Choose Left (anchored to session open) or Right (anchored to session close), and control the profile width as a percentage of session length.
<b>Developing Bar</b>	On the current unfinished session, a live developing profile is refreshed on each bar. Replaced by the final profile at session close — allows real-time VA and POC tracking throughout the day.

◆ **Note:** The Developing Bar profile updates in real time on the current session. This allows you to monitor the evolving POC, VAH, and VAL position as the session progresses — enabling live session-bias tracking.

## 03 Key Levels

### Point of Control (POC)

The single price level with the highest traded volume for the session. It acts as the session's gravitational center — price tends to return to it.

- Visual: A solid yellow line drawn across the session. After close, a dotted yellow line extends it forward until price touches and confirms it.
- TOH/TOB POC: When the POC sits at an extreme position within the Value Area (top or bottom), it turns White — indicating a directionally biased session.

### Value Area High (VAH) & Value Area Low (VAL)

The upper and lower boundaries of the price range in which 68% of the session's volume was traded. This is the market's accepted fair value range.

- Visual: Solid red lines during the session; dotted lines extending after close, until price breaches them.
- Lines turn White for TOH (VAH) or TOB (VAL) sessions — signaling directional bias.
- Line Breach Logic: Extended dotted lines are removed when price touches them. White levels trigger a White Bar signal on breach.

### Low Volume Nodes (LVN)

Price levels within the session where very little volume was traded, surrounded by high-volume areas. These are market vacuums where price can travel quickly with minimal resistance.

- Visual: Highlighted in orange within the profile, and extended forward as live orange boxes until price trades through them.
- LVNs act as targets for rapid price moves. Expect acceleration when price approaches from either side.
- LVN levels factor into the indicator's VSA signal filtering — a Test Bar at an LVN carries elevated significance.

**Pro Tip** — The combination of a White POC/VAH/VAL (TOH/TOB session) with an LVN directly above or below creates a high-probability directional setup. The white color means institutional bias exists; the LVN means there is minimal overhead resistance.

## 04 Session Patterns

The indicator classifies each completed session into one or more structural pattern types, displayed as labels at the top of the session profile.

Pattern	Label Color	Description
<b>CVA — Consecutive Value Area</b>	White	Current session's Value Area fits entirely within the prior session's VA. Labels sequentially for streaks (CVA, CVA 1, CVA 2). Indicates market acceptance and potential breakout brewing.
<b>TOH — Top of High</b>	Orange	The POC sits in the upper extreme of the Value Area. Signals bullish institutional interest — the market accepted higher prices. Often precedes continuation upward.
<b>BOH — Bottom of High</b>	Lime	The POC sits in the lower extreme of the Value Area. Signals bearish institutional interest — the market rejected higher prices. Potential continuation down.
<b>P Profile</b>	Aqua	Bulk of session volume sits in the upper portion of the day's range. Bullish — indicates acceptance at higher prices with a long lower tail.
<b>B Profile</b>	Fuchsia	Bulk of session volume sits in the lower portion of the day's range. Bearish — indicates acceptance at lower prices with a long upper tail.
<b>MTOH / MTOB</b>	Yellow	Moderate TOH and TOB signals shown when the profile has directional bias but does not meet the full extreme threshold. Supplementary label.

## 05 VSA Signals

Volume Spread Analysis identifies the relationship between the spread (high–low range), closing position, and volume of each bar to infer the likely intentions of the smart money operating in the market.

Signal	Visual	What It Means	Action Bias
<b>No Demand (ND)</b>	Red dot above bar	Narrow range up bar, closes high, lower volume than prior two bars. Market moved up with no professional buying — a sign of weakness in an upswing.	<b>Bearish</b>
<b>No Supply (NS)</b>	Lime circle below bar	Narrow range down bar, mid-close, lower volume. Market moved down with no professional selling — a sign of potential strength building.	<b>Bullish</b>
<b>Test Bar (Basic)</b>	Yellow circle below bar	Low volume test of a prior low. Price dips into a previous low and closes above it on low volume — confirming no new supply entered on the test.	<b>Bullish</b>
<b>Confirmed Test</b>	Lime circle below bar	Enhanced Test Bar satisfying additional trend and volume criteria. More reliable confirmation of prior support holding.	<b>Strong Bullish</b>
<b>Upthrust (UT)</b>	Encoded in bar logic	Wide-range bar pushing above a prior high and closing in the lower portion on volume. Classic VSA sign of professional distribution at highs.	<b>Bearish</b>
<b>Selling Climax (SC)</b>	White dot below bar	Wide range down bar, closes low, highest volume in 60 bars, in confirmed downtrend. Exhaustion of selling pressure — possible trend reversal zone.	<b>Watch Reversal</b>
<b>Buying Climax (BC)</b>	Red dot above bar	Wide range up bar, closes high, highest volume in 60 bars, in confirmed uptrend below a fresh daily high. Distribution at highs — potential reversal warning.	<b>Bearish Warning</b>

◆ **Signal Confluence:** VSA signals gain significant power when they occur at Volume Profile key levels (POC, VAH, VAL), at LVN zones, or near active VOFA supply/demand zones. The indicator automatically checks for zone proximity when filtering Test Bars — a test at a VA level is far more meaningful than one in open space.

## 06 VOFA Zones

VOFA (Volume & Force Analysis) Zones are dynamically created supply and demand zones that mark bars with exceptional volume and spread characteristics — the footprint of institutional order placement.

### Zone Lifecycle — Step by Step

1. **Zone Detection** — Each bar is evaluated against a rolling average of spread and volume. When a bar exhibits significantly above-average spread and above-average volume, and closes in either the upper or lower portion of its range, a zone is created spanning from the close to the near extreme (high or low).
2. **Primary vs Secondary** — Primary zones require the highest standard — wide spread and high volume together. Secondary zones use a moderately wide spread combined with very high volume. Both are drawn but can be styled independently. Teal session zones are automatically colored differently.
3. **Initial Period & Extension** — After creation, the zone is given an initial window. Once that period expires without a price touch, the zone is extended forward in time — becoming a live reference zone that price may return to test in future sessions.
4. **Zone Stop Logic** — When price revisits an extended zone and closes with a directional bar that closes outside the zone's range, the zone is stopped — changing to its touched color and frozen at the moment of reaction. A Zone Stop Dot is plotted on the triggering bar.
5. **First Bar Pattern** — When the first bar of a new session meets zone-quality criteria, a purple dot is plotted — identifying a high-significance opening bar. This First Bar Pattern signals immediate institutional involvement at the session open.

**VSA Only Mode** — When the VSA Only toggle is enabled, all volume profile visuals, level lines, and zone boxes are hidden. Only LVN extension boxes, Yellow Bars, Purple Bars, and SP Bar Lines remain visible — providing a clean view focused purely on active signal levels.

## 07 Bar Colors & SP Lines

The indicator overrides TradingView's default bar color to communicate high-priority signal conditions instantly. These colors are applied in strict priority order.

### Bar Color Priority

Priority	Color	Trigger Condition	Significance
<b>1 — Highest</b>	<b>White Bar</b>	Price touched and confirmed a White (TOH/TOB) extended VA level.	Institutional level breached — highest priority alert.
<b>2</b>	<b>Yellow Bar</b>	Ultra High Volume	Confirmed institutional activity on this bar.
<b>3</b>	<b>Purple Bar</b>	Very High Volume	Elevated activity — slightly below Yellow Bar intensity.

### SP Bar Aggression Lines

An SP Bar is detected when the current bar's directional move extends more than 50% of the prior bar's spread beyond that bar's opposite extreme. Two dashed lines are drawn — one at the near extreme and one at the far extreme:

- Red Dashed Lines: Bearish SP Bar — aggressive downward move. Lines mark the prior bar's low and the current bar's high.
- Lime Dashed Lines: Bullish SP Bar — aggressive upward move. Lines mark the prior bar's high and the current bar's low.
- SP lines extend forward and are removed when price touches the relevant extreme, or when crossed on the same day of creation.

## 08 Settings Reference

## VSA Only Mode

Setting	Description	Type
VSA Only Toggle	When enabled, strips the chart to its essential signal layer: LVN extension zones, Yellow Bars, Purple Bars, and SP Lines only. Ideal for clean trade entry execution view.	Bool

## Volume Profile Settings

Setting	Description	Type
Periodic Timeframe	The higher timeframe used to define each profile period. Default is Daily (D). Can be set to any intraday, weekly, or monthly timeframe.	TF
Regular Session Reset	When enabled, aligns the profile window to the regular trading session rather than the 24-hour extended session.	Bool
Show Volume Profile	Toggles the visual histogram bars on or off. Key levels remain visible independently.	Bool
Number of Rows	Controls the resolution of the profile histogram (10–100 rows). More rows provide finer price granularity.	Int
Placement	Position the profile to the Left (anchored to session open) or Right (anchored to session close).	String
Profile Width %	Sets the horizontal width of the profile as a percentage of the session's bar count.	Int
Show Teal Profile	When enabled, high-volume sessions render in Teal rather than the default color scheme.	Bool
Show LVN Zones	Toggles the orange LVN highlight boxes within the profile and their forward extensions.	Bool
Background Fill	Draws a subtle background color spanning the full session range, visually separating sessions on the chart.	Bool

## Session Pattern Settings

Setting	Description	Type
Show CVA	Enables Consecutive Value Area label detection. Requires a qualifying prior session to establish the reference VA.	Bool
Show BOH/TOH	Enables the Bottom of High / Top of High session bias label above each qualifying session's profile.	Bool
Show P/B Profile	Enables the P Profile and B Profile classification label.	Bool
Show MTOH/MTOB	Enables the Moderate TOH/TOB label — shown only when BOH/TOH is not already displayed.	Bool

## VSA Signal Toggles

Setting	Description	Type
Show No Demand Bars	Toggles the red dot label above No Demand bars.	Bool
Show No Supply Bars	Toggles the lime circle below No Supply bars.	Bool
Test Bars	Toggles the three Test Bar plotshapes (Basic, Confirmed, Strong).	Bool
Show Buying Climax Dot	Toggles the red Buying Climax dot above qualifying bars.	Bool
Show White Bars	Enables the White bar color override when a White VA level is breached.	Bool
Show Yellow Bars	Enables the Yellow bar color override for Ultra high-volume bars.	Bool
Show Purple Bars	Enables the Purple bar color override for VOFA-threshold very high volume bars.	Bool
Show SP Bar Lines	Toggles the dashed aggression reference lines from Single Print Bar events.	Bool

## VOFA Zone Settings

Setting	Description	Type
Zone Transparency	Controls the opacity of all VOFA zone boxes (0 = fully opaque, 100 = invisible).	Int
Primary Zone Color	Fill color for Primary VOFA Zones (high spread + high volume).	Color
Secondary Zone Color	Fill color for Secondary VOFA Zones (moderate spread + very high volume).	Color
Touched Primary Color	Color applied to Primary zones after they have been reacted to and stopped.	Color

Setting	Description	Type
<b>Touched Secondary Color</b>	Color applied to Secondary zones after they have been reacted to and stopped.	Color
<b>Zone Stop Dot Color</b>	Color of the dot plotted on the bar that triggered a VOFA Zone Stop event.	Color
<b>Show First Bar Pattern</b>	Enables the purple dot on qualifying first-bar-of-session VOFA patterns.	Bool

## 09

## Glossary

Term	Definition
<b>POC</b>	Point of Control — the price level with the highest volume traded in a session. Acts as a gravitational center for price.
<b>VAH</b>	Value Area High — the upper boundary of the price range encompassing 68% of session volume.
<b>VAL</b>	Value Area Low — the lower boundary of the price range encompassing 68% of session volume.
<b>LVN</b>	Low Volume Node — a price level with minimal traded volume between two high-volume areas. Price tends to accelerate through these zones.
<b>CVA</b>	Consecutive Value Area — current session's VA is contained entirely within the prior session's VA, signaling market acceptance and coiling.
<b>TOH</b>	Top of High — POC sits in the upper extreme of the Value Area. Indicates bullish session structure.
<b>BOH</b>	Bottom of High — POC sits in the lower extreme of the Value Area. Indicates bearish session structure.
<b>VSA</b>	Volume Spread Analysis — a methodology for reading the relationship between price spread, close position, and volume to identify smart money activity.
<b>ND</b>	No Demand — a narrow range up bar on reduced volume closing in the upper portion. Indicates professional absence from the upswing.
<b>NS</b>	No Supply — a narrow range down bar on reduced volume closing near mid-range. Indicates professional absence from the downswing.
<b>UT</b>	Upthrust — a wide-range bar pushing above a prior high and closing in the lower portion on volume. Classic distribution signal.
<b>SC</b>	Selling Climax — highest volume down bar closing on the low in a downtrend. Exhaustion of selling, potential reversal zone.
<b>BC</b>	Buying Climax — highest volume up bar closing on the high in an uptrend, below a fresh swing high. Distribution at the top.
<b>SP Bar</b>	Single Print / Aggression Bar — a bar whose directional move extends more than 50% of the prior bar's spread in one direction, marking an imbalance of supply or demand.

## 10 Recommended Workflow

The highest-probability trade setups occur when three or more elements align: a key Volume Profile level (POC/VAH/VAL), an active VOFA Zone, a VSA signal bar (Test or No Supply), and a relevant bar color (Yellow or Purple). The more confluence, the higher the conviction.

### Step-by-Step Process

6. **Read the previous session's profile** — Before the market opens, note the prior session's POC, VAH, and VAL. Check if any labels (CVA, TOH, BOH, P Profile, B Profile) were assigned. A TOH session followed by a gap-up open above VAH is a high-probability scenario for continuation.
7. **Identify extended levels and active zones** — Note all dotted lines extending from prior sessions — these are untested VA levels. Also note all active VOFA zone boxes that are still open. These form your primary reference architecture for the session.
8. **Watch the session open for signals** — The first bar of the session is critical. A Yellow or Purple first bar, especially one breaching a prior session's key level, is a high-significance event. A Purple First Bar Dot indicates institutional involvement at the session open.
9. **Use VSA signals for entries and exits** — Use No Supply + Test Bar combinations near VAL or active VOFA zones as long entry triggers. Use No Demand at VAH or in a VOFA resistance zone as short signals. Always require a VSA signal to occur at a key level.
10. **Monitor the developing profile** — As the session progresses, the developing POC, VAH, and VAL update in real time. Watch for the POC migrating toward an extreme — this builds a live BOH or TOH read for intraday bias management.
11. **Respect SP Lines and LVN extensions** — When price approaches a SP Bar dashed line or an LVN extension box, expect either acceleration through it or a reaction at it. These are the fastest-moving price areas on the chart and should factor into target selection and stop placement.

**Best Practice** — Always wait for a VSA signal bar (No Supply, Test, No Demand) to confirm a key level reaction before acting. Price touching a level is information; a qualifying VSA signal at that level is a trade trigger.