

Technical Analysis Dashboard v4.63 - User Manual & Feature Guide

Welcome to the Technical Analysis Dashboard! This guide will explain each feature on the panel so you can make informed trading decisions.

Section B: Standard Indicator Analysis

This section provides an at-a-glance summary of classic technical indicators calculated on the timeframe you select in the settings (default is the current chart timeframe).

- **MA (Moving Average):**
 - **What it is:** This is not a single MA. It's a powerful bias gauge that checks the current price against six different Simple Moving Averages (5, 10, 20, 50, 100, 200 by default).
 - **How to read it:**
 - **Very Strong BUY/SELL:** Price is above/below all six moving averages. This indicates a very strong, established trend.
 - **Strong BUY/SELL:** Price is above/below five of the six MAs.
 - **BUY/SELL:** Price is above/below four of the six MAs.
 - **Neutral:** Price is in the middle of the MAs, suggesting a ranging or consolidating market.
 - **Percentage (e.g., 83%):** This shows the strength of the bias. 100% means all 6 MAs are aligned.
- **MACD (Moving Average Convergence Divergence):**
 - **What it is:** A classic momentum indicator.
 - **How to read it:**
 - **BUY:** The MACD line is above its signal line, indicating bullish momentum.
 - **SELL:** The MACD line is below its signal line, indicating bearish momentum.
 - **CROSS:** The lines are crossing, a potential change in momentum is occurring right now.
- **Stochastic:**

- **What it is:** A momentum indicator that compares a closing price to a range of its prices over a certain period.
- **How to read it:**
 - **BUY:** The main line (%K) is above its signal line (%D), indicating bullish momentum.
 - **SELL:** The main line is below its signal line, indicating bearish momentum.
 - **CROSS:** The lines are crossing, a potential shift in momentum is happening.
- **ADX (Average Directional Index):**
 - **What it is:** Measures the *strength* of a trend, not its direction.
 - **How to read it:**
 - **Strong BUY/SELL:** The ADX value is high (default > 40), indicating a very strong trend. The direction is determined by which DI line (+DI or -DI) is on top.
 - **Medium BUY/SELL:** The ADX value is moderate (default > 30), indicating a healthy trend.
 - **Weak BUY/SELL:** The ADX value is low (default > 20), indicating a weak or developing trend.
 - **No Trend:** The ADX value is very low (default < 20), indicating a ranging or directionless market.
- **RSI (Relative Strength Index):**
 - **What it is:** A momentum oscillator that measures the speed and change of price movements.
 - **How to read it:**
 - **Overbought:** The RSI is at a high level (default > 70). This suggests the market may be due for a pullback or reversal to the downside.
 - **Oversold:** The RSI is at a low level (default < 30). This suggests the market may be due for a bounce or reversal to the upside.
 - **BUY/SELL:** The RSI is in neutral territory but is above 50 (bullish momentum) or below 50 (bearish momentum).

- **NEUTRAL:** The RSI is at or very near the 50 level.
 - **CCI (Commodity Channel Index):**
 - **What it is:** An oscillator used to identify cyclical trends.
 - **How to read it:** Similar to RSI.
 - **Overbought:** CCI is high (default > 100), suggesting potential for a bearish reversal.
 - **Oversold:** CCI is low (default < -100), suggesting potential for a bullish reversal.
 - **BUY/SELL:** CCI is positive (bullish momentum) or negative (bearish momentum).
 - **NEUTRAL:** CCI is at or very near the 0 level.
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Section C & Market Conditions

- **Market:**
 - **What it is:** This simplifies the ADX reading into a single, easy-to-understand market condition.
 - **How to read it:**
 - **Strong/Medium Trend:** The market is moving with clear direction and force. Trend-following strategies are favored.
 - **Weak Trend:** A trend exists but is losing steam or may be reversing.
 - **Ranging:** The market has no clear direction. Range-trading or reversal strategies are favored.
- **Volatility:**
 - **What it is:** This compares the short-term volatility (using a 14-period ATR) to the long-term baseline volatility (100-period ATR).
 - **How to read it:**
 - **Very High/High:** Price is moving much more than usual. This means higher risk but also potential for larger, faster profits. Be cautious of erratic moves.
 - **Medium:** Normal market volatility.

- **Low/Very Low:** The market is quiet. This can be a sign of consolidation before a big move.
 - **Overall:**
 - **What it is:** This is the dashboard's "master signal." It takes all the enabled indicators from Section B, analyzes them across up to three different timeframes, and assigns a weighted score.
 - **How to read it:** It gives a final, conclusive bias (e.g., "Strong BUY (85%)"), representing the synthesized opinion of the entire indicator suite. This is your most powerful at-a-glance summary.
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Section D: Support & Resistance (SupDem) Engine v2.0

This engine automatically identifies and qualifies key Supply (Resistance) and Demand (Support) zones.

- **Resistance / Support:**
 - **What it is:** Shows the price range of the nearest valid resistance or support zone.
 - **How to read it:**
 - **1.2550 - 1.2525 (Quality: 95%):** A fresh, strong zone that has not been tested much and is still recent. These are high-probability zones.
 - **1.2550 - 1.2525 (Quality: 45%):** An older zone that has been tested multiple times. It is weaker and more likely to break. Approach with caution.
 - **1.2550 - 1.2525 (Broken):** This zone has failed. Price has decisively broken through it, and it is no longer valid as support or resistance.
- **SR Alert:**
 - **What it is:** A real-time status of what price is doing in relation to the zones.
 - **How to read it:**
 - **Searching...:** The engine is looking for a new, valid zone.
 - **Monitoring...:** Valid zones are found, but price is in the middle ("no man's land").

- **Monitoring Resist/Support...:** Price has entered or is very close to a zone. This is a "call to action" to pay close attention to the chart.
- **Breakout Trend:** Price has decisively closed *through* a zone.
- **Reversal Trend:** Price has touched a zone, moved away, and confirmed a reversal.

Section I: Smart Money Concepts (SMC) Engine v2.0

This is an advanced engine that analyzes price action from the perspective of institutional "Smart Money."

- **Structure:**
 - **What it is:** Identifies the current market structure.
 - **How to read it:**
 - **Bullish (BOS):** Price is making higher highs and higher lows (Break of Structure). The trend is up.
 - **Bearish (BOS):** Price is making lower lows and lower highs. The trend is down.
 - **Reversal (CHoCH):** Price has just shown a "Change of Character" (e.g., after a downtrend, it just made a higher high). This is the *first signal* that a trend reversal may be starting.
- **Supply / Demand:**
 - **What it is:** Unlike the S/R engine, this *only* displays an Order Block (OB) if it is a **high-probability** setup. An OB is the specific candle that initiated a major market move.
 - **How to read it:** If a price range appears here, it means the engine has found an OB that either caused a Break of Structure (BOS) or has a Fair Value Gap (FVG) next to it, making it a point of interest for institutional traders. If it shows "---", no high-probability OB is currently in play.
- **State:**
 - **What it is:** This is the most important SMC signal, telling you what to do *now*.
 - **How to read it (in order of priority):**

- **Liquidity Sweep Reversal!: HIGHEST PRIORITY SIGNAL.** Price has just faked out traders by running above an old high or below an old low, and then immediately reversed with force (creating a CHoCH). This is a very powerful reversal signal.
 - **Sweep Confirmed, Wait CHoCH:** Price has taken liquidity (the fakeout), but has not yet confirmed the reversal. This is a warning to be ready for a potential reversal.
 - **In Demand/Supply Zone (HP):** Price has entered one of the high-probability OBs listed above. This is a prime area to look for trade entries.
 - **Waiting Pullback:** The structure is clear (e.g., Bullish BOS), but price is far from a valid zone. The engine is waiting for price to return to a high-probability zone.
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Section J: Predictive Analysis Engine

This engine uses classic theories to forecast potential future price movements.

- **Fibo Swing:**
 - **What it is:** Identifies the price swing being used for Fibonacci calculations.
 - **How to read it:**
 - **(Major):** Uses a long-term swing (default 250 bars) to give you the big picture context.
 - **(Recent):** Uses the most recently completed ZigZag swing, which is better for short-term, intraday analysis.
- **Retracement:**
 - **What it is:** Identifies the most critical area for a price pullback.
 - **How to read it:**
 - **Golden Pocket (SR+SMC Conf.): HIGHEST CONFLUENCE.** The 50-61.8% Fibo zone aligns with *both* a major S/R zone and a high-probability SMC zone. This is an extremely strong area of interest.
 - **Golden Pocket (S/R or SMC Confluence):** A very strong signal where the Fibo Golden Pocket aligns with one other key zone.

- **Golden Pocket (1.1480-1.1510):** A standard Golden Pocket. Significant on its own, but less confirmed than one with confluence.
- **Extension:**
 - **What it is:** Potential profit targets if price reverses from the retracement zone and continues its trend.
- **EW (Elliott Wave) Phase:**
 - **What it is:** Attempts to identify a complete 5-wave impulse pattern.
 - **How to read it:**
 - **No Clear Impulse:** A standard 5-wave pattern is not currently visible.
 - **A-B-C Correction Expected:** The engine has identified a complete 5-wave impulse and is now forecasting the path of the subsequent 3-wave correction (A, B, and C), using other engine data as potential targets.