BARS EDGE TRADER™

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Bet Fair Value Gap Indicator Manual for NinjaTrader 8

Overview

The **Bet Fair Value Gap** (FVG) indicator, developed by Bars Edge Trader identifies price imbalances or "fair value gaps" on a chart. These gaps represent areas where price moves rapidly, leaving unfilled zones that may act as support or resistance. The indicator also detects Break of Structure (BOS) signals, which occur when FVGs form at new highs or lows. It is designed for use in NinjaTrader 8 and is suitable for traders analyzing market imbalances for potential trading opportunities.

This manual provides detailed instructions for installing, configuring, and using the **Bet Fair Value Gap** indicator.

Installation

1. **Download the Indicator**:
   - Obtain the `Bet Fair Value Gap` indicator from www.barsedgetrader.com or the vendor's official source.
   - Ensure you have a valid license from Bars Edge Trader .
2. **Import into NinjaTrader 8**:
   - Open NinjaTrader 8.
   - Navigate to **Tools > Import > NinjaScript Add-On**.
   - Select the downloaded `Bet Fair Value Gap` file (typically a `.zip` or `.cs` file).
   - Follow the prompts to complete the import.
3. **Apply to a Chart**:
   - Open a chart in NinjaTrader 8.
   - Right-click the chart and select **Indicators**.
   - Locate `Bet Fair Value Gap` in the list of available indicators.
   - Add it to the chart and configure the parameters as needed (see Configuration below).
4. **Verify Licensing**:
   - The indicator requires a vendor license from Bars Edge Trader. Ensure the license is valid by checking the vendor details:

- **Vendor**: Bars Edge Trader
- **Indicator**: Bet Fair Value Gap
- **Website**: www.barsedgetrader.com
- **Support**: support@barsedgetrader.com
  - The indicator will not function without a valid license.

Features

- **Fair Value Gap Detection**:
  - Identifies bullish and bearish FVGs based on price gaps between candles.
  - A bullish FVG occurs when the low of the current candle is higher than the high of the candle two bars prior.
  - A bearish FVG occurs when the high of the current candle is lower than the low of the candle two bars prior.
- **Break of Structure (BOS) Signals**:
  - Detects BOS signals when FVGs form at new highs (bullish) or lows (bearish) within a specified lookback period.
  - Visualizes BOS signals with diamond markers on the chart.
- **Visual Representation**:
  - Draws rectangular zones for active FVGs, with customizable colors and opacity for bullish and bearish gaps.
  - Removes zones when they are mitigated (price revisits the gap) or after a specified cleanup period (~1 day).
- **Alerts**:
  - Configurable alerts for bullish/bearish FVGs and BOS signals.
  - Supports sound notifications using a customizable sound file.
- **Customizable Parameters**:
  - Adjust gap size, ATR period, impulsive movement requirements, and more.

Configuration Parameters

The indicator offers several customizable parameters, accessible through the NinjaTrader 8 Indicators window.

Parameters

1. **Min Gap Size (Ticks)**:
   - **Description**: Minimum size of the price gap (in ticks) to qualify as an FVG.
   - **Default**: 1
   - **Range**: 1 to `int.MaxValue`
   - **Usage**: Increase to filter out smaller gaps and focus on significant imbalances.

2. **ATR Period**:
   - o **Description**: Period for the Average True Range (ATR) calculation, used to assess impulsive movements.
   - o **Default**: 14
   - o **Range**: 1 to `int.MaxValue`
   - o **Usage**: Adjust to change the sensitivity of the impulsive movement detection.
3. **Require Impulsive Middle Bar**:
   - o **Description**: If enabled, the middle bar of the three-bar FVG pattern must have a range greater than the ATR multiplied by the Impulsive Multiplier.
   - o **Default**: True
   - o **Usage**: Enable to ensure only significant price movements create FVGs.
4. **Impulsive Multiplier**:
   - o **Description**: Multiplier applied to the ATR to determine if the middle bar is impulsive.
   - o **Default**: 0.5
   - o **Range**: 0 to `double.MaxValue`
   - o **Usage**: Increase to require larger price movements for FVG detection.
5. **Right Extension (Bars)**:
   - o **Description**: Number of bars to extend FVG zones into the future on the chart.
   - o **Default**: 20
   - o **Range**: 1 to `int.MaxValue`
   - o **Usage**: Adjust to control how far FVG zones extend to the right.
6. **Lookback Period for High/Low**:
   - o **Description**: Number of bars to look back for detecting new highs and lows for BOS signals.
   - o **Default**: 20
   - o **Range**: 1 to `int.MaxValue`
   - o **Usage**: Increase for a broader lookback period to identify significant highs/lows.
7. **Show BOS Entry Signals**:
   - o **Description**: If enabled, displays diamond markers for BOS signals at new highs (bullish) or lows (bearish).
   - o **Default**: True
   - o **Usage**: Enable to visualize BOS signals, useful for trend-following strategies.
8. **Mitigation Proximity (Ticks)**:
   - o **Description**: Proximity (in ticks) within which a bearish FVG is considered mitigated if the price approaches the high of the zone.
   - o **Default**: 2
   - o **Range**: 0 to `double.MaxValue`
   - o **Usage**: Adjust to fine-tune when bearish FVGs are considered filled.

System Parameters

1. **Bearish Bullish Brush Opacity**:
   - o **Description**: Opacity of the FVG zones (0 = transparent, 100 = fully opaque).
   - o **Default**: 10
   - o **Range**: 0 to 100

- o **Usage**: Adjust to change the visibility of FVG zones on the chart.
2. **Bearish Brush Color**:
   - o **Description**: Color of bearish FVG zones.
   - o **Default**: Red
   - o **Usage**: Customize to differentiate bearish FVGs visually.
3. **Bullish Brush Color**:
   - o **Description**: Color of bullish FVG zones.
   - o **Default**: Green
   - o **Usage**: Customize to differentiate bullish FVGs visually.
4. **Bearish Breakout Diamond Color**:
   - o **Description**: Color of diamond markers for bearish BOS signals.
   - o **Default**: Magenta
   - o **Usage**: Customize for visibility of bearish BOS signals.
5. **Bullish Breakout Diamond Color**:
   - o **Description**: Color of diamond markers for bullish BOS signals.
   - o **Default**: Blue
   - o **Usage**: Customize for visibility of bullish BOS signals.
6. **Enable Alerts**:
   - o **Description**: Enables alerts for FVG and BOS signals.
   - o **Default**: False
   - o **Usage**: Enable to receive notifications for significant events.
7. **Sound File**:
   - o **Description**: Path to the sound file for alerts.
   - o **Default**: `\sounds\Alert1.wav`
   - o **Usage**: Specify a custom sound file for alerts (must be in NinjaTrader's sound directory).

Usage

- **Chart Setup**:
  - o Apply the indicator to any NinjaTrader 8 chart (e.g., stocks, forex, futures).
  - o Ensure the chart has sufficient bars (at least 3 for FVG detection, more for ATR if `RequireImpulsive` is enabled).
- **Interpreting FVGs**:
  - o **Bullish FVG**: A green zone indicating a gap where the price moved up rapidly, leaving an unfilled area below. This may act as support.
  - o **Bearish FVG**: A red zone indicating a gap where the price moved down rapidly, leaving an unfilled area above. This may act as resistance.
  - o Zones are drawn with a transparent border and filled with the specified brush color and opacity.
- **BOS Signals**:
  - o A blue diamond marker indicates a bullish BOS (FVG at a new high), suggesting a potential trend continuation.

- o A magenta diamond marker indicates a bearish BOS (FVG at a new low), suggesting a potential trend continuation.
- **Mitigation**:
  - o FVGs are removed when the price revisits the gap (mitigation).
  - o For bullish FVGs, mitigation occurs when the price falls to or below the zone's low.
  - o For bearish FVGs, mitigation occurs when the price rises to or above the zone's high or within the `MitigationProximity` threshold.
- **Alerts**:
  - o When `EnableAlerts` is true, the indicator triggers alerts for:
    - ▪ Bullish FVG (`FVG_Bullish_[bar number]`).
    - ▪ Bearish FVG (`FVG_Bearish_[bar number]`).
    - ▪ Bullish BOS (`BOS_Bullish_[bar number]`).
    - ▪ Bearish BOS (`BOS_Bearish_[bar number]`).
  - o Alerts include a sound notification using the specified `SoundFile`.

Strategies

The `Bet Fair Value Gap` indicator can be used in various trading strategies:

1. **Support/Resistance Trading**:
   - o Use bullish FVGs as potential support zones for buying opportunities.
   - o Use bearish FVGs as potential resistance zones for selling opportunities.
2. **Breakout Trading**:
   - o BOS signals (bullish or bearish) indicate potential trend continuations.
   - o Enter trades in the direction of the BOS signal, using the FVG zone as a reference for stop-loss placement.
3. **Reversal Trading**:
   - o Monitor mitigated FVGs for potential reversals when the price re-enters the zone.
4. **Integration with Strategies**:
   - o The `FVGValues` and `BOSValues` properties provide signals for automated strategies:
     - ▪ `FVGValues`: 1 (bullish FVG), -1 (bearish FVG), 0 (no FVG).
     - ▪ `BOSValues`: 1 (bullish BOS), -1 (bearish BOS), 0 (no BOS).

Notes

- **Performance**:
  - o The indicator is optimized for real-time and historical data but may require sufficient chart history for accurate ATR calculations and lookback periods.
  - o Use `Calculate.OnBarClose` to ensure stable results, as set by default.

- **Compatibility**:
  - Designed for NinjaTrader 8.
  - Requires a valid license from Bars Edge Trader.
- **Limitations**:
  - The indicator relies on three-bar patterns for FVG detection, so it requires at least three bars of data.
  - Alerts and drawings are only active in real-time mode (`State.Realtime`).
- **Support**:
  - For issues or questions, contact support@barsedgetrader.com.
  - Check www.barsedgetrader.com for updates and documentation.

Troubleshooting

- **Indicator Not Displaying**:
  - Verify the license with Bars Edge Trader.
  - Ensure the chart has enough bars for the lookback period and ATR calculations.
  - Check that `IsOverlay` and `DrawOnPricePanel` are set correctly.
- **Alerts Not Triggering**:
  - Ensure `EnableAlerts` is set to `True`.
  - Verify the `SoundFile` path is correct and the file exists in NinjaTrader's sound directory.
- **Zones Not Appearing**:
  - Check the `MinGapSize` and `ImpulsiveMultiplier` settings to ensure they are not too restrictive.
  - Ensure the chart is in real-time mode for drawing updates.
- **Errors in NinjaTrader**:
  - Re-import the indicator to ensure no file corruption occurred.
  - Contact support if errors persist.

Version History

- **Version 2.55** (June 5, 2025):
  - Added error checking and improved display functionality.
  - Enhanced cleanup logic for old FVG zones.
  - Last updated by developer (BB).

Disclaimer

Futures Trading Risk Warning: The Bet Fair Value Gap indicator is a tool for technical analysis and does not guarantee trading success. Trading futures, forex, stocks, or other financial instruments involves substantial risk of loss and is not suitable for all investors. Past performance is not indicative of future results. You may lose all or more of your initial investment. The indicator provides no assurance of profitable trades and should not be relied upon as the sole basis for trading decisions. Always conduct thorough testing, including backtesting and paper trading, and implement robust risk management strategies before using the indicator in live trading. Consult with a qualified financial advisor to ensure that trading, particularly in futures, aligns with your financial goals and risk tolerance. Bars Edge Trader and the developers of Bet Fair Value Gap are not responsible for any financial losses incurred while using this indicator.