4. Trading: Price Deltas

The **Price deltas** module schedules **temporary price offsets (in pips)** for a chosen **Symbol/Pair** over a defined **time window**. While a delta is active, the platform **publishes** the adjusted price and **executes** orders against it. All users see and trade on the shifted price for that symbol during the window.

Typical uses

1. Staging and simulation for demos or QA.
2. Short operational adjustments, including stepwise ramps by chaining minute windows.
3. Temporary mitigation of third-party feed anomalies.

Finding the page

Left navigation → **Trading** → **Price deltas**.

Page layout & controls

1. **Settings by symbols group**: Filter the list to **Crypto, Commodities, Forex, Stocks, Indices**.
2. **Total**: Count of deltas in the current view.
3. **Search**: Free-text filter by Symbol.
4. **+ Add**: Opens the **Add delta price** dialog.
5. **Active:** Displays current price deltas that are applied now or in the future.
6. **History:** Displays previous price deltas and past changes.

Table columns

1. **Symbol** — target pair, e.g., `BTC/USDT`.
2. **From date** — start of the effective window (DD/MM/YYYY hh:mm).
3. **To date** — end of the window.
4. **Value** — delta in price units or pips (positive or negative).
5. **Actions** — edit (available for active price deltas) or delete.

Columns support sorting where indicated.

Creating a delta

Click **+ Add** to open the form.

Fields

1. **Symbol** *(required)*: Select a single pair.
2. **From** *(required)*: Start timestamp.
3. **To** *(required)*: End timestamp.
4. **Value** (required): Integer or decimal value entered in pips or price units; positive raises price, negative lowers it.

Symbol Display Format

In the Symbol dropdown, instruments are displayed using a two-line format for clarity and consistency across the platform.

Each option shows:

Line 1 — Symbol code (e.g., EURUSD, BTC/USDT)
Line 2 — Human-readable instrument name (e.g., Euro vs US Dollar, Bitcoin / US Dollar)

Example:

> EURUSD
> Euro vs US Dollar
>
> BTC/USDT
> Bitcoin / US Dollar

This format matches the display behavior used in:

1. Orders → Add Order
2. Trading Groups
3. Trading → Configurations

The two-line format improves readability and reduces symbol selection errors.

Creating a delta → Fields:
Offset value and interval — you can specify a positive or negative price offset for a chosen pair. The minimum supported interval is **1 minute**, ensuring precise short-term adjustments.

Creating a delta → Behavior:
Offsets apply to the **full candle** within the defined window. This includes short 1-minute bars, allowing fine-grained control.

> **Note:** Chaining multiple 1-minute windows with small positive or negative offsets creates smooth shifts, visible ramps, or even “pump-and-dump” patterns for testing and demonstrations.

Behavior:

When the current time is within `[From, To)`, the system **adds the delta** to the symbol’s price stream and trades at the **adjusted** price.
Example: market 905; **+1000 pips** → 915; **−1000 pips** → 895.
The offset applies to the **whole bar (full candle)** within the window.
Chaining short windows (e.g., 1-minute intervals) with modest pips produces visible step patterns.

Validation:

1. `From < To`.
2. `Pips` must be numeric (decimals supported).
3. Conversion from pips to price respects the instrument’s minimum tick/precision; sub-tick results are rounded by instrument rules.

Overlaps & priority: Multiple deltas may overlap for the same symbol. Platform policy is **last applied wins**, unless your instance defines an explicit priority rule. Prefer non-overlapping windows for deterministic behavior.

Save to persist the rule.

Managing deltas

Delete: removes the rule immediately. If it was active, price reverts to the unadjusted stream.
Audit: creating and deleting deltas are logged with user, timestamp, and parameters.

Interaction with other Trading settings

Spread, Commission, Swaps from **Configurations** still apply **after** the delta; the delta shifts the **base price**, not fees.
Weekends/Holidays: if a non-trading window closes the market, deltas have no effect during the closure; they resume if still within time when trading reopens.
Timezone: deltas are stored/evaluated in UTC; coordinate any time conversions with the symbol’s trading hours if needed.

Best practices

1. Use **short windows** (1–5 min) for tests; chain them to shape controlled ramps.
2. Record **reason/issue ticket** in your ops notes whenever applying a production delta.
3. Avoid overlaps unless you explicitly rely on the latest-wins behavior.
4. Coordinate with **Risk** before applying large negative deltas to liquid markets.

5. Keep a ready **rollback** step (e.g., planned delete at hand).

Examples

1. **Month-long uplift**
   `Symbol=SOL/USDT`, `From=01/09 00:00`, `To=30/09 00:00`, `Pips=+3333` → continuous positive offset for the month.
2. **Five-minute demo staircase**
   Create 5 consecutive 1-minute windows on `BTC/USDT` with `Pips=+200` each to show a clear step-up pattern.
3. **Temporary offset for feed issue**
   `ETH/USDT`, `From=24/10 00:00`, `To=28/10 00:00`, `Pips=+111.0` to neutralize a known pricing discrepancy during that period.

Limitations & notes

Deltas affect **only** the targeted symbol; crosses or synthetics require their own deltas.
Historical OHLC may reflect adjusted prices for "as-traded" storage; confirm your data policy.
Monitoring is recommended for unusually large or long-lived deltas.
Candle data and historical OHLC records are stored **per broker**. Changes in price or trading settings for one broker do not affect others. Historical as-traded data reflects only the broker's own feed.

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