

Xtrade Squeeze Meter

Compression precedes expansion. The market picks direction.

Arm both sides of the range — and let the break come to you.

Bookmap add-on

Both sides armed · no direction guessing

ENTRY · SL · TP1 · TP2 on FIRED

Self-calibrating · any instrument

FIZZLED is an answer

■ What This Manual Covers

The classic TTM Squeeze idea, upgraded with orderflow: **compression tends to precede expansion — but nobody knows the direction in advance.** So Xtrade Squeeze Meter doesn't guess. It measures compression on a 0–100 pressure gauge, detects when the market is unusually quiet, **locks the range and arms both sides** (ORB family: break above → long plan, break below → short plan), and the moment price breaks out it prints a complete trade plan — **ENTRY · SL · TP1 · TP2** — on the chart.

This manual documents the pressure sub-chart, the full SCANNING → SQUEEZING → ARMED → FIRED / FIZZLED lifecycle, the trade plan geometry, the HUD, every setting, and the self-calibration that makes thresholds portable across instruments.



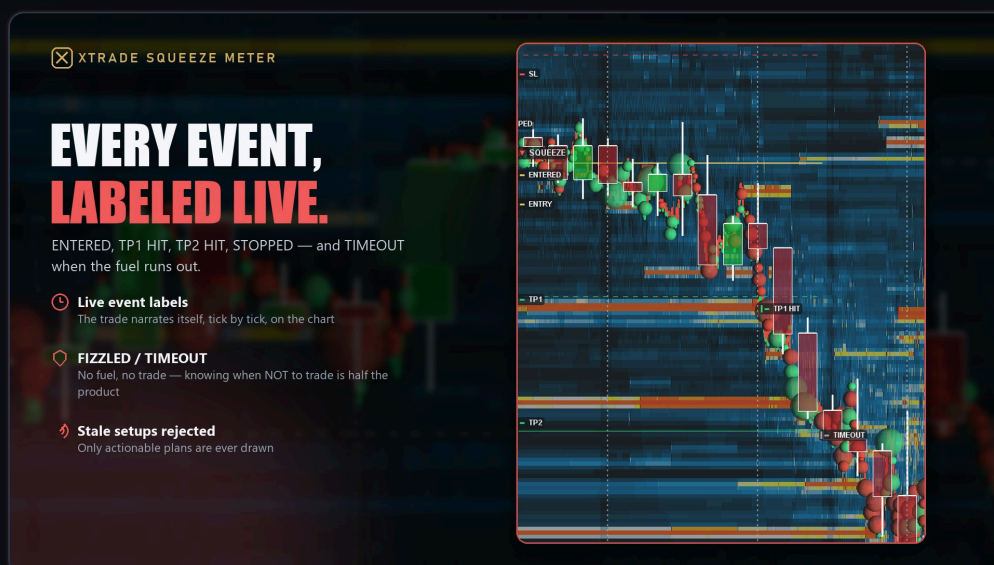
What You See On The Chart

■ Pressure sub-chart — the compression gauge

Element	Meaning
Pressure line (orange, 0–100)	The session percentile of the composite compression score — the metric the trigger actually uses. (The raw composite itself appears only as the HUD's big number.) 100 = the most compressed this instrument has been within this session's own rolling window — a trailing lookback over the current session, not a fixed calendar day.
Enter / exit reference lines	The trigger bands of the lifecycle (defaults 90 / 80). Pressure holding above the enter line starts a squeeze; falling back below the exit line ends it and locks the range.
Squeeze dots	The classic TTM squeeze dot row, kept for reference — the familiar view next to the upgraded pressure reading.

■ Main chart — the squeeze, in place

Element	Meaning
Orange background band	Shades the squeeze session on the price chart — the compression window, visible where it happened. Intensity is configurable.
Range edges (gray short dashes)	Once ARMED, the locked range — sqHigh / sqLow — is drawn on price. These are the two lines the market must vote through.
Event pills	ARMED · SQUEEZE ▲ / ▼ · FIZZLED — lifecycle milestones, placed where they happened.
Trade plan	ENTRY (gold) · SL (red) · TP1 (green dashed) · TP2 (green solid), each with its price pill, plus lifecycle pills ENTERED · TP1 HIT · TP2 HIT · STOPPED · CANCELLED · TIMEOUT .
HUD card	Live state, pressure reading, component breakdown and setup tracking in a chart corner. Movable via offset settings.



Live labels in place: pressure sub-chart below, squeeze band and locked range on price, event pills where the lifecycle moved.

SCANNING → ARMED → FIRED

— Or Honestly, FIZZLED

■ The state machine

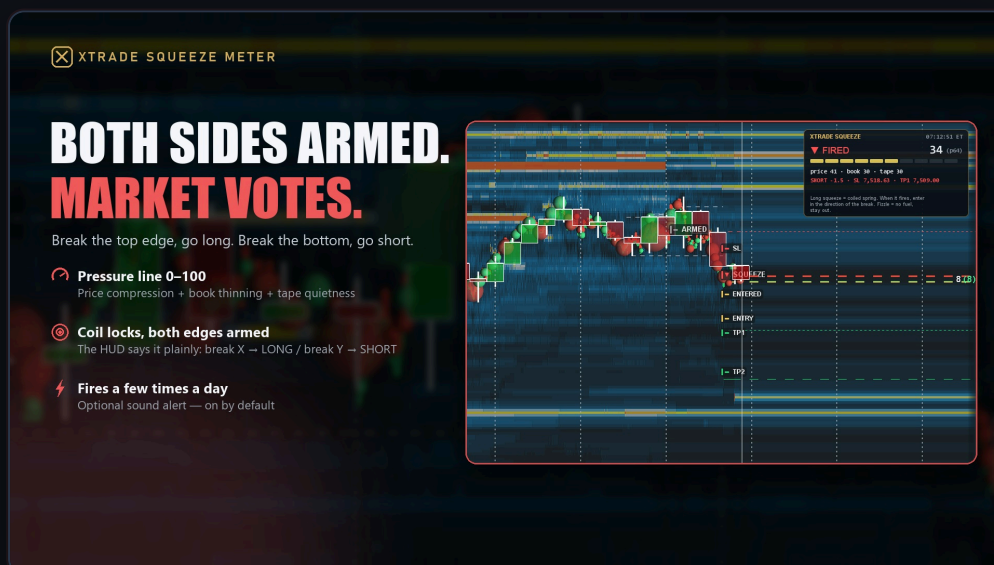
- 1 SCANNING.** The add-on watches the pressure percentile. Nothing is predicted, nothing is drawn yet.
- 2 SQUEEZING.** Pressure holds at or above the **enter percentile** for 5 consecutive bars — compression is confirmed, the squeeze session starts and is timed. The orange band shades the chart.
- 3 ARMED.** Pressure falls back below the **exit percentile** — the quiet phase is over. The range of the squeeze is locked (sqHigh / sqLow) and the HUD states it plainly: ARMED: >X LONG / <Y SHORT. Both sides armed. No direction bet.
- 4 FIRED ▲ / ▼.** Price breaks an edge plus the break buffer — the market has voted. The full trade plan (ENTRY · SL · TP1 · TP2) is drawn instantly, in the direction of the break.
- 5 FIZZLED.** No break within the armed window (N bars). The compression released nothing — a clear, explicit **no-trade**. The HUD keeps watching and records whatever the release does afterward.

■ One setup at a time

A **FIRED in the opposite direction cancels the old plan** — the book never holds two contradictory setups. At most one active setup exists at any moment, so what you see on the chart is always the single current commitment.

⚠ What ARMED is NOT

- **ARMED is not an entry signal.** It is a locked range with two armed triggers. Entering inside the range is a guess — exactly what this tool refuses to do.
- **FIZZLED is not a failed signal.** No fuel is information. Not trading that release is a position, and often the profitable one.



ARMED: range locked, both sides armed — the HUD spells out which break means long and which means short.

FIRED — A Complete Plan, Not An Arrow

■ Geometry (long example — short is the mirror)

Line	Placement
ENTRY	The break of the range's upper edge, plus the configurable tick buffer. (Standard; Conservative enters at the broken edge + 1 tick on the retest.)
SL	sqMid — the midpoint of the locked range. Half-range risk, not full-range risk.
TP1	ENTRY + 1 × range. A mark, not a forced exit — you decide what to do there.
TP2	ENTRY + 2 × range. The full expansion target — the plan completes here.

■ Standard

Enter **at market the moment the break confirms** — you are in the move as it happens, at whatever price the breakout gives you (slippage included). The plan is born ACTIVE.

■ Conservative

Wait for a **retest of the broken edge** before entering — the plan is born PENDING. Better price, but if no retest comes within 10 bars the plan is CANCELLED. You will miss some moves.

■ Lifecycle events

Event pill	Meaning
ENTERED	Price touched the entry — the plan is live; floating P&L tracks on the HUD.
TP1 HIT / TP2 HIT	Target reached. TP1 is a mark, not a forced exit; TP2 completes the plan.
STOPPED	Stop touched — plan closed at a loss.
CANCELLED	An opposite FIRED replaced this plan, or (Conservative) no retest arrived within 10 bars.
TIMEOUT	The plan stayed ACTIVE for 60 minutes without resolving — closed flat. If TP1 was touched along the way, it is scored WIN_TP1 (shown in the HUD LAST row).



A complete trade: squeeze band, locked range, the break that fired it, and ENTRY / SL / TP1 / TP2 managing the position to the end. Plans also stop out — see the lifecycle table above.

The Monitoring Card

■ Line by line

Row	Meaning
State row	The lifecycle, in words: SCANNING (with a distance-to-trigger hint), SQUEEZING (with elapsed minutes), ARMED , FIRED ▲/▼ , FIZZLED , or WARMING UP while the initial calibration window fills.
Pressure number	The big reading: current raw composite pressure, with its own session percentile in small print next to it — the number the trigger layer actually watches.
Gauge bar	A 10-segment meter of the same pressure value — glanceable from across the room.
Components	price 82 · book 91 · tape 77 — price compression, book thinning, tape suppression, each 0–100 where 100 is maximum compression. See <i>what</i> is quiet, not just that it is.
SETUP / LAST	While ARMED: the break levels and what each means. While active: direction and floating P&L. Afterward: the last result — including, after a fizzle, what the release did without you (+X pts in N min), so review is honest.
How-to footer	Three short mode-dependent usage lines, so the card always tells you which playbook is active and what it is waiting for.

■ Why the percentile matters more than the number

Raw pressure values mean different things on different instruments and different sessions. The small percentile next to the big number is the self-calibrated one — it answers **"how quiet is this, for this instrument, this session?"** That is the number the trigger layer uses, and the reason the defaults travel across instruments without tuning (see page 7).

The card parks in a chart corner and can be moved with the HUD offset settings so it never collides with your other add-ons.

■ Trigger

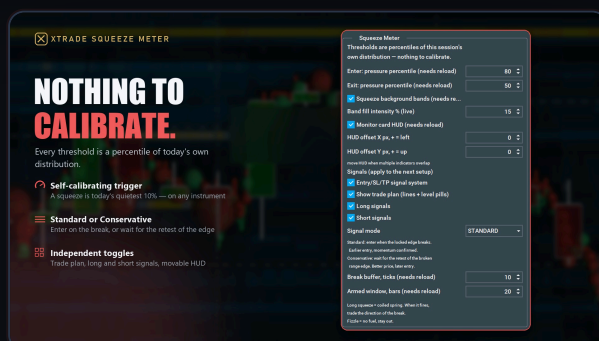
Setting	Default	Meaning
Enter percentile	90 (80–99)	Pressure must hold at or above this percentile for 5 consecutive bars to start a squeeze.
Exit percentile	80 (50–89)	Pressure falling back below this ends the squeeze and locks the range. On save, enter – exit is enforced at ≥ 5 .
Armed window, bars	20 (5–60)	Bars the market gets to break the range before the setup is declared FIZZLED.
Break buffer, ticks	2 (0–20)	Extra ticks beyond the range edge required to confirm a break — wick noise filter.

■ Signals

Setting	Default	Meaning
Signal system	On	Master switch for the trade-plan engine.
Signal mode	STANDARD	STANDARD = market entry on the break (born ACTIVE) · CONSERVATIVE = enter on retest of the broken edge (born PENDING; cancelled if no retest within 10 bars).
Long signals / Short signals	On / On	Independent direction switches.
Show trade plan	On	Visibility of plan lines and pills on the chart.
Sound alert on fire	On	Audible "Squeeze fired" chime the moment a break confirms (silent during +history backfill; fires in replay).

■ Display

Setting	Default	Meaning
Background band	On	Shade squeeze sessions on the price chart.
Band intensity	15	Opacity of the squeeze shading.
HUD	On	Show the monitoring card.
HUD offset X / Y	—	Move the HUD in pixels to avoid other add-ons.



Why You Never Tune The Thresholds

■ Self-calibration — two layers of percentiles

Every instrument is quiet in its own way, so fixed thresholds don't travel. This add-on calibrates against the instrument itself, twice over:

- 1 Each component is a percentile.** Price compression, book thinning and tape suppression are each measured as an inverted percentile against this session's own rolling window — 100 means the most compressed this instrument has been within that window.
- 2 The trigger is a percentile of pressure.** The trigger layer then takes a percentile of the composite pressure itself. "Squeeze" literally means **"the quietest 10% of this session"** — by construction, not by a magic number.

Result: trigger frequency self-calibrates, and the same defaults work across instruments with no per-symbol tuning. The engine needs **60 bars of warmup** after attach (HUD shows **WARMING UP**) to build its first calibration window.

■ Data requirements — and graceful degradation

Feed	Behavior
1-minute bars (OHLC + volume)	Required. Drives the price and tape components and the lifecycle clock.
Incremental depth (aggregated, BBO ± 10 levels)	Feeds the book-thinning component. This is standard aggregated depth — not MBO ; no special data tier is needed.
Thin feed (no depth)	Degrades gracefully: the book component parks at neutral 50 and the engine runs on price + tape alone. Signals still work; one dimension of the read is simply abstaining.

■ Alerts

One event, one chime: **"Squeeze fired"** sounds on FIRED_UP / FIRED_DOWN, with LONG / SHORT in the alert text, and it is **on by default**. Alerts do not fire during historical backfill (the "+history" variant); they do fire in replay. SQUEEZE_START, ARMED and FIZZLED are deliberately silent: the alert means "a trade plan now exists", nothing more, nothing less.

Replay is fully supported — no MBO dependency. On thin feeds in replay, remember the book component reads neutral by design.

■ FAQ

Question	Answer
Is FIZZLED a failed signal?	No — it is an explicit no-trade. The range was armed, the market never voted, and standing aside was the position. Not trading is half the product. The HUD even logs what the release did afterward (+X pts in N min) so you can review honestly.
What does "both sides armed" actually mean?	When the squeeze ends, the range is locked and both edges are live triggers: break above → long plan, break below → short plan. You never predict direction; the market picks it and the plan appears already drawn.
Standard or Conservative?	Standard enters at market the moment the break confirms — you are in the move as it happens, at whatever price the breakout gives you (slippage included). Conservative waits for a retest of the broken edge — a better price, but if no retest comes within 10 bars the plan is cancelled and you miss that move. Pick your trade-off once; it applies to every setup.
Why don't the thresholds need tuning per instrument?	Two layers of percentiles: each component is measured against the session's own rolling window, and the trigger is a percentile of pressure itself. "Squeeze" = the quietest slice of the session, whatever the instrument.
Does TP1 close the trade?	No. TP1 is a mark on the chart, not a forced exit — scale, trail or hold, your call. TP2 completes the plan; the 60-minute timeout closes what never resolved.
Does it work in replay?	Yes. It needs 1-minute bars plus aggregated depth (BBO ± 10) — not MBO. On thin feeds the book component sits at neutral 50 and the engine runs on price + tape.
How many signals per day?	Typically a handful per session on index futures — a squeeze is the quietest slice of the session, and sessions don't produce many of those. Scarcity is the filter.
Is there a trial?	No trial is offered at this time. Every element, its timing and its limits are documented in this manual; if anything is still unclear, ask before you buy.

⚠ Known limitations — said plainly

- **Only a few signals per day.** That is the design, not a malfunction — compression this extreme is rare by definition.
- **A fizzled range can still release afterward.** The move may happen after the armed window closes, without a plan attached. The HUD records the release size for your review — we don't hide it.
- **Compression → expansion is a probability, not a guarantee.** Direction is the market's vote; sizing and the final decision remain yours.

Trading futures and options involves substantial risk of loss. Xtrade add-ons provide information, not investment advice. · Manual v1.0 · 2026-10-07