



User Manual

Auction Market Theory levels, live in Bookmap

probabilities, not predictions

Version 2.0.52 · Beta

SDES.DEV · sdes.dev/amt-foresight · sean@sdes.dev

Not financial advice. Data may be wrong. You alone verify every value and own every decision.

What is AMT ForeSight?

AMT ForeSight is a Bookmap add-on that puts the reference points an Auction Market Theory trader works from — prior-day and overnight levels, the Initial Balance state machine, multi-day naked VPOCs, day-type and open-type reads — directly on your chart, each carrying a live hit rate and distance-to-price.

It does not tell you what will happen. It frames what usually happens around these levels given today's context, so you can weigh the odds and make your own call. Every number is an aggregate prior — today can and often does override the average.

AMT ForeSight ships as one add-on with three tiers — read the whole auction for free; pay only for the tooling layered on top:

- Free (\$0, always free) — the entire stats read: the AMT stats window (prior-day & overnight levels with hit rates and distance), day-type / open-type classification with a directional bias read (auto and your own discretionary bias), the Day-structure line, the IBC / IBF / IB30 Initial Balance framework, VWAP stats (RTH & full-session), the gapped-over $\square$ / $\square$ markers, and Session Rebuild — the mid-session attach / post-crash rebuild that restores your chart from Bookmap's stored history. Settings reachable from any chart; replay-safe and session-aware.
- Pro — your levels drawn on the chart and the working tools on top: on-chart level lines with eight hit styles, per-level colour / line-style / display overrides plus style templates, and the Alarm Function (custom time / session alarms with voice, chime or tone, pre-alerts and a spoken countdown).
- Pro+ — everything in Pro plus the live-auction power tools: VPOC-migration tracking (stats panel, shift count, naked/tested VHVN), on-chart VPOC badges & VHVN clustering, voice & sound migration alerts, Custom Levels (with CSV auto-feed), multi-day HTF tracked levels with automatic naked-VPOC detection, and multi-feed Cloud Notes publishing — with no gates, plus priority on new features as they ship.

One .jar, gated at runtime by a license key. The free tier runs with no key; entering a key on the License tab unlocks the paid tier you hold. Pricing for the paid tiers is being finalized ("coming soon") — during the private beta you can request a key and try any paid tier free.

The AMT framework and the IBC / IBF reference statistics are grounded in publicly taught Auction Market Theory (Dalton / Market Profile). AMT ForeSight is the software that surfaces them on your chart — it is not affiliated with, nor a substitute for, any specific educator's course.

What you need

- Bookmap v7.6.0 or later.

- A Rithmic data feed for the current beta. AMT ForeSight reads ticks directly from Rithmic while running inside Bookmap. Support for Bookmap's other feeds is pending Bookmap's developer approval of the add-on.
- Windows for any paid tier: license activation uses a Windows machine fingerprint, and the voice alerts use the Windows speech engine.

What's new in 2.0.52

2.0.52 is the current build of the 2.0 line (private beta). Highlights since the last manual revision (2.0.38):

- Automatic gap tracking. On a real gap day ForeSight auto-seeds the gap-fill targets as tracked levels — Gap Body (the prior close) and Gap Wick (the prior high/low) — named for the prior day whose gap is being filled, with a startup backfill that seeds weeks of still-unfilled past gaps. Value-gap days additionally tag P VAH / P VAL on the chart with "· VALUE GAP". (See "Multi-day HTF levels.")
- Reliability package. An honest feed-stall banner when your data feed goes quiet, a stats window that self-heals if a dead feed strands it, and a "Rebuild window" button in Configure add-ons as the manual escape hatch. (See "Sessions, rollover & replay safety.")
- HTF LEVELS panel upgraded. The panel now scrolls (no row cap), sorts nearest-to-price first within each type group, and the distance column heat-colours from gray to amber as a level approaches price. (See "The stats window.")
- Tracked-levels dialog polish. A persistent Sort mode, remembered dialog size, delete-row confirmation, dropdowns that show the resolved default (e.g. "(default · ANGLE+)"), and a Display column whose LABEL / LINE choices now genuinely work. (See "Multi-day HTF levels.")
- Every popout window remembers where you put it — monitor, position and size — including Settings, Alarms, Tracked levels, Custom Levels, Cloud Notes and the editors.
- Chart & IBC/IBF readability. Colliding VPOC / DVPOC / VHVN badges now stagger left at their true price instead of painting over each other, and the IBC / IBF window gained a full colour pass keyed to the same probability thresholds as the stats panel.
- Fixes worth knowing: a VHVN is now marked tested only by a touch that happens after the node was born, and 19 settings that previously didn't survive a backup/restore now persist.

Live (RTH) behaviour is byte-for-byte unchanged across the 2.0 line — every replay path is replay-only and self-gates on the replay session. Settings remain strictly additive (no saved setting is ever lost). Licensing is intact and unconditional on every build.

Known limitation (refinement in progress). After you seek / scrub the playhead forward past a VPOC shift, the spoken "VPOC moved..." cue for that shift may not re-announce. The visual VPOC migration and the normal forward-play voice are unaffected.

Getting started (quick start)

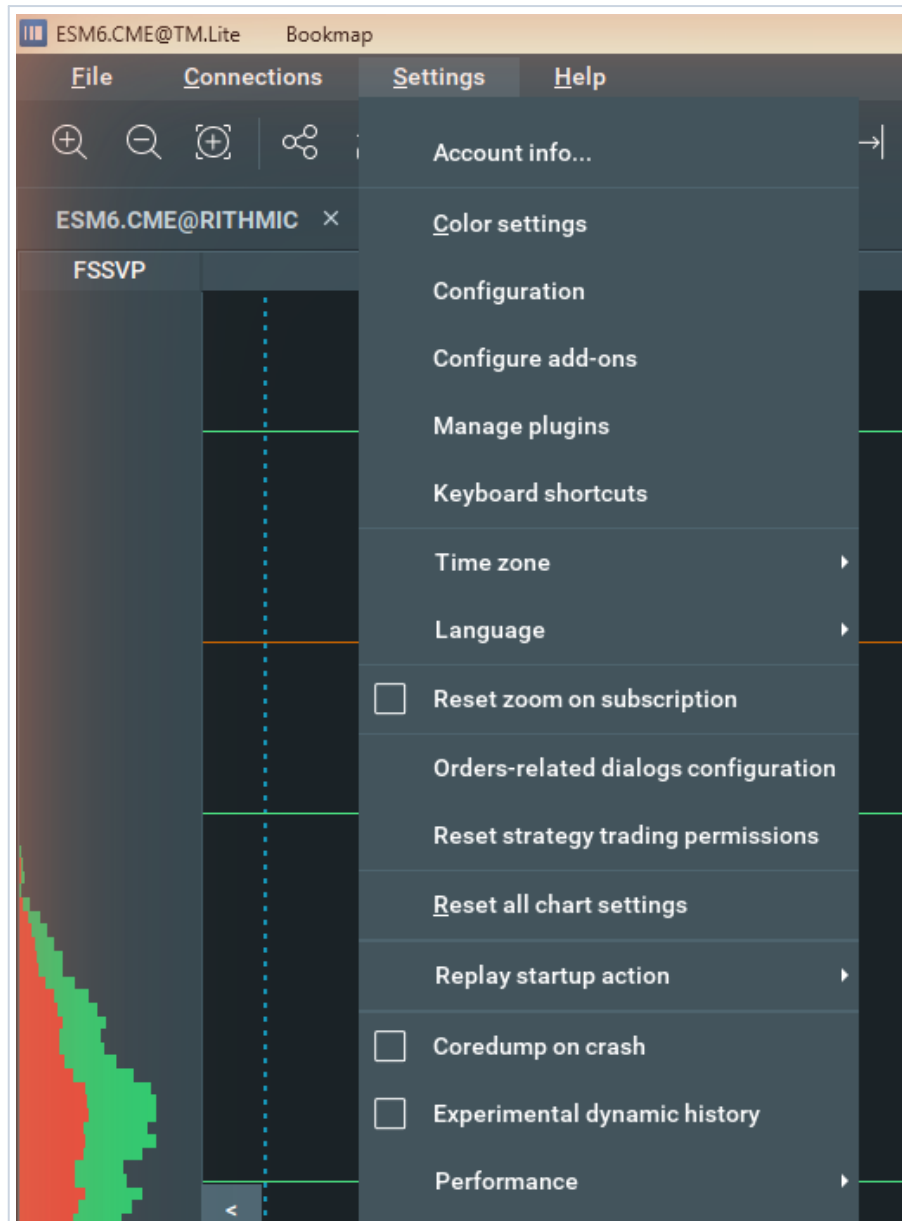
You will be running in a few minutes. Steps 1–3 get the free stats window on your chart; step 4 unlocks Pro.

1 — Add the add-on to Bookmap

Download AMT ForeSight from sdes.dev/amt-foresight. There are two builds — pick the one for your data feed; both are the same licensed add-on, every tier free to download:

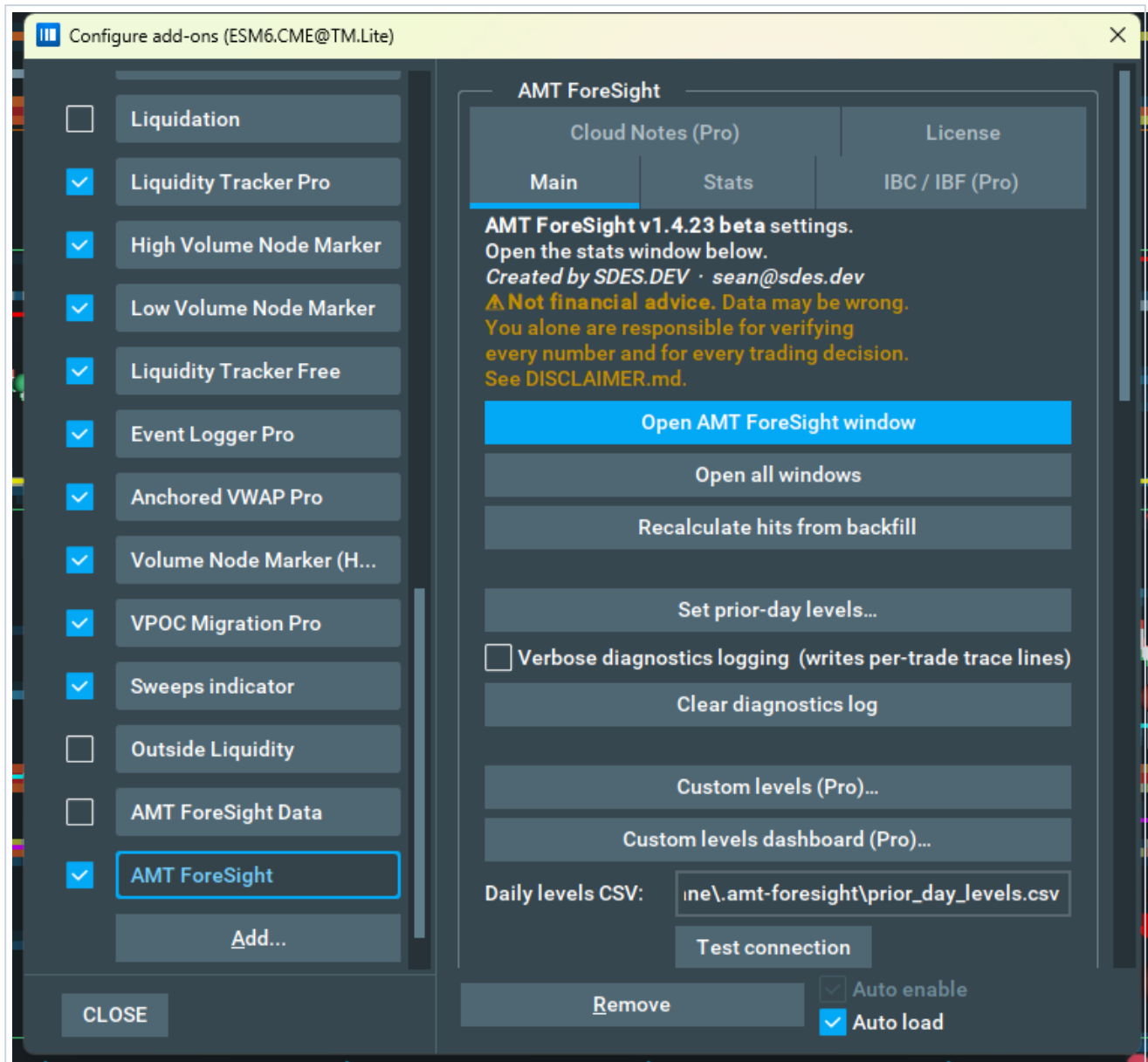
- Standard download (`amt-foresight.jar`) — most users. For traders on their own broker or data provider (Rithmic, CQG Continuum, dxFeed, Tradovate, or any non-Bookmap data). This is the default build, and the one wired to the in-app auto-updater.
- BookmapData (live) edition — for traders running Bookmap's own realtime BookmapData feed. A separate, Bookmap-authorized build cleared to run live on BookmapData — same features, same activation, your existing license key unlocks it. It updates more slowly (each release must be re-authorized by Bookmap before it can run on BookmapData) and is deliberately off the in-app auto-updater. Use it only if you trade on BookmapData; on a broker feed use the Standard download.

In Bookmap, open the Settings menu and choose Configure add-ons (the four-diamond toolbar button opens the same window).



Bookmap's Settings menu — Configure add-ons is the entry point for installing the add-on.

In Configure add-ons click Add..., point it at the `amt-foresight.jar` you downloaded, then tick AMT ForeSight in the list to enable it and tick Auto load so it starts with every chart.



The Configure add-ons window: AMT ForeSight enabled in the list on the left, its Main settings tab on the right, Auto load ticked.

2 — Open the stats window

On the Main tab, click Open AMT ForeSight window. The free stats window appears and starts tracking.

3 — Point it at your prior-day levels

AMT ForeSight needs the prior session's reference values to classify the day. Click Set prior-day levels... and enter the required Prior-day RTH values (P High / P Low / P Close / P VPOC / P VAH / P VAL); overnight, Initial-Balance and P Settle fields are optional. (Or point Daily levels CSV on the Main tab at a CSV that supplies them.) Overnight levels are captured automatically during Globex.

Optional — P Settle (prior-day settlement). The editor has a "P Settle: (Settlement — optional)" field for the prior session's official settlement price. Leave it blank to skip it (like the other optional fields). When set, P Settle draws on the chart and is hit-tracked exactly like the other prior-day levels — it appears in LEVELS, NEXT UP and the hit sequence, counts toward the "X/N hit" tally, and accrues your personal hit rate over sessions. There's no published research stat for settlement, so its Stat % shows "—" while your My % still builds. A "↗ Get settlement from CME (e-mini S&P 500)" link under the field opens the CME daily-settlements page when you don't have the value in your CSV.

Prior-day levels (manual entry)

Prior-day RTH required for opening-type classification

P High: 7557.25

P Low: 7515.0

P Close: 7554.25

P VPOC: 7539.5

P VAH: 7543.5

P VAL: 7529.25

Overnight optional — leave blank to use addon's live tracking

ONH:

ONL:

ON VPOC:

ON Mid: (auto from ONH + ONL if blank)

Initial Balance (override) optional — only fill to manually override addon's self-computed IB

IBH:

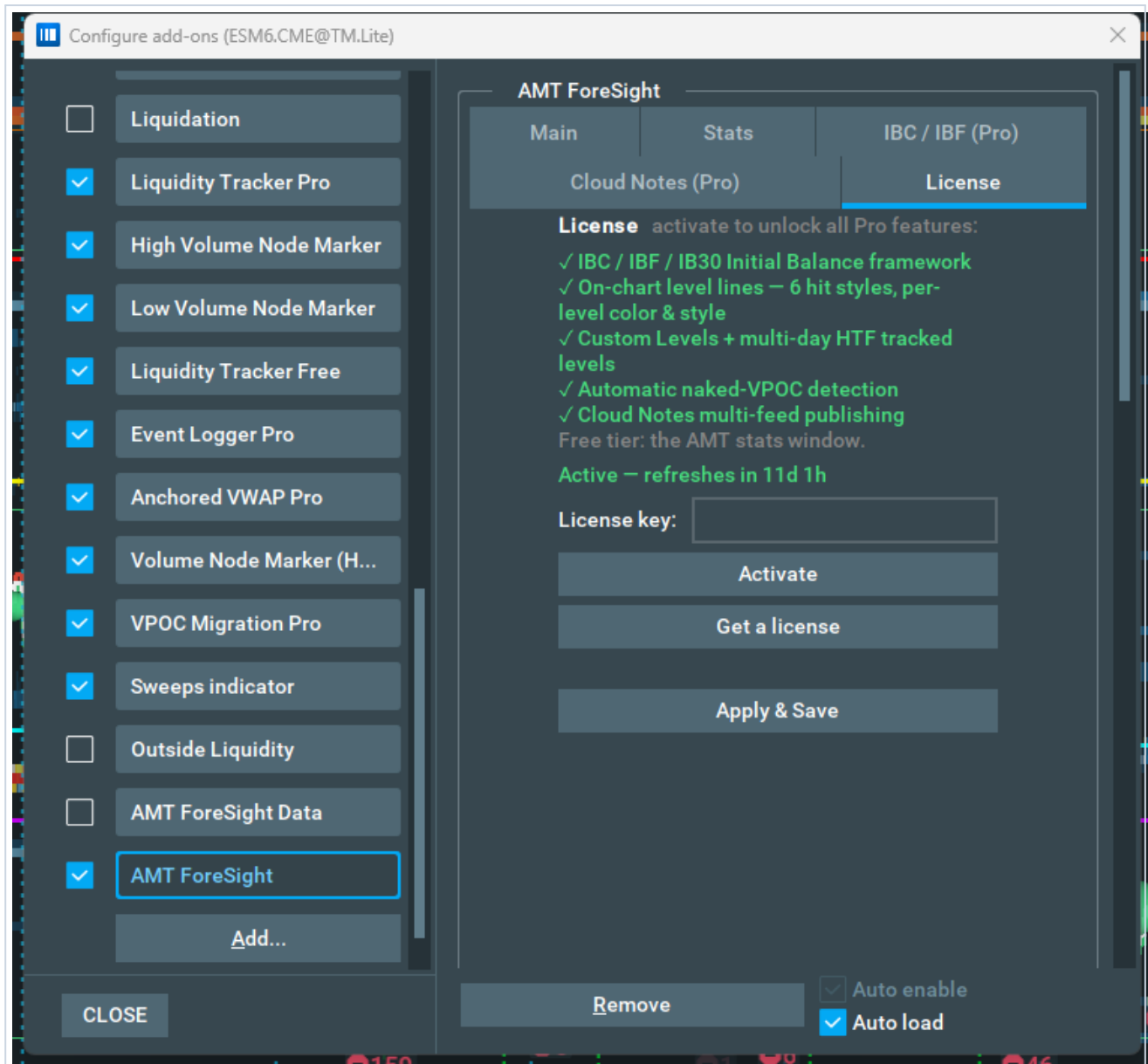
IBL:

Clear all Cancel Save & close

The Set prior-day levels window — required RTH values, optional overnight and IB overrides.

4 — Activate a paid tier (optional)

Open the License tab, paste your activation key, and click Activate. The full stats read works without a key; activation unlocks the paid tier you hold — chart lines, per-level styling and the Alarm Function (Pro), plus live VPOC tracking, voice/sound migration alerts, Custom & HTF levels and Cloud Notes (Pro+).



The License tab. Activation unlocks the paid-tier features; the free tier is always the full stats read.

Recommended chart-style starting point. The chart-line defaults already ship tuned to the developer's own ANGLE+ setup — a good place to start, then adjust to taste: Hit behavior = ANGLE+ (the shipped default), Label position = ORIGIN, Fixed-pixel angle = on, Angle pixel offset X = -80, Angle pixel offset Y = -50 (with Angle extension -3 pts, Angle duration -1 min, Dim level 128, STOP+/ANGLE+ opacity 128). All on Settings → Stats.

The stats window FREE

The stats window is the heart of the free tier — a single, always-on-top panel that classifies the day and tracks every reference level live.



Anatomy of the AMT ForeSight stats window.

Toolbar

A Day type override (leave on Auto-detect to let the add-on classify), an Instrument selector, Always on top, Reload CSV, and the editors — Set prior-day levels..., HTF levels (Pro+)..., Custom levels (Pro+)..., and Cloud Notes (Pro+).... Show chart toggles the on-chart lines; Balance shows the live

in/out-of-balance read; the Bias dropdown records your discretionary higher-time-frame bias (see Reading the day). The  Alarms button (Pro) opens the Alarm window.

Running more than one chart? Use the Instrument selector to lock AMT ForeSight to the contract you want (e.g. ES). On Auto it follows whichever instrument Bookmap binds — fine for a single chart, but with two charts open it could pick up the wrong feed. Pick your contract once; the choice persists, so every restart binds correctly from attach. (Switching mid-session rebinds live immediately, but reload Bookmap or scrub a replay for the new instrument's full history.)

LEVELS

Every framework level on one row: a hit-rate % bar (how often this level is tagged on a comparable day), the level name, its price, and the live distance to current price. Un-hit levels sort to the top.

Level markers. A level name can carry a small status glyph, colour-coded so the two can't be confused:

- Gapped-over ( / , amber) — the session opened past a level that already existed before the open, leaving it untouched. A gapped level is naked, not consumed, until price trades back and tests it during RTH. Only prior-day and HTF / custom levels are eligible (they pre-exist the open); IB levels and overnight levels are never flagged gapped-over — IB lines are created during the current RTH, and overnight levels aren't gap-relevant.
- Near-miss ($\approx 1t$ / $\approx 2t$, cyan) — price came within 1 or 2 ticks of the level this session but never reached it. Any level, including an IB level, can be a near-miss.

Hover a flagged level and the tooltip explains what its marker means in plain language, in the same colour as the on-row glyph.

HTF LEVELS

Multi-day tracked levels — naked VPOCs, composite VPOC/VAH/VAL, single prints, gap-fill levels — each showing drift versus its prior saved value. These persist across sessions until tagged.

The panel shows all active tracked levels (no row cap): past about 14 rows it becomes a scrollable list — the mouse wheel scrolls the HTF list first, then hands off to the main window. Within each type group, levels sort nearest-to-price first, so the levels in play float to the top of their group as price moves. Gap levels show "Gap Body" / "Gap Wick" type chips.

Distance heat. The distance cell warms by proximity: muted gray when far, ramping through light amber to deep amber as a level closes in on the current price (deep amber exactly at touch). Only the distance cell changes colour — names keep their type colours, and hit / expired rows stay dimmed. The band is scaled to context: by default a level starts warming at 25% of the prior day's range away from price, adjustable via "Level heat range (% of prior-day range)" in Settings.

NEXT UP, PAIRED STATS, HIT SEQUENCE

NEXT UP lists the nearest un-hit levels by distance. PAIRED STATS shows the probability that both halves of a pair (e.g. IBH & IBL, P VAH & P VAL) get tagged today. HIT SEQUENCE is a timestamped log

of every level price tagged this session.

Reading the day FREE

Opening context, open type & bias

As soon as RTH opens, AMT ForeSight classifies the open type relative to the prior day's value and range (open-drive, open-test-drive, in-range / out-of-range variants such as HIR-IV / LIR-OV) and derives a directional bias. The context line under the title carries this read; pre-open it shows an estimated type from the current price.

Your discretionary bias FREE

The add-on's bias is an intraday-structural read derived from the opening context — your own higher-time-frame view may differ. A Bias dropdown next to Balance lets you record yours without overriding the automatic read:

- AUTO (the default) — shows only the add-on's automatic bias, exactly as before.
- LONG / SHORT / NEUTRAL — keeps the automatic line and adds a second "Your bias: ..." line (direction-coloured: long = green, short = red, neutral = muted) so you see both at once.

Both biases are journaled per trading day to `~/.amt-foresight/bias_journal.csv` (date, autoBias, userBias). The Bias control resets to AUTO on a new day, so each session starts from the add-on's own read. An optional, dismissible hint — "Your bias: not set · pick your HTF bias ☐

Display + journal only. Picking a discretionary bias never changes the automatic read, the commentary, or any statistic — it is purely a record of your view alongside the add-on's. It is shown but not written during a replay.

Day type

The Day type dropdown classifies the developing session (Normal, Normal Variation, Trend, Double Distribution Trend, Neutral, Balanced). On Auto-detect it updates live as the profile develops — a working hypothesis, not a closing label — and you can override it manually.

The Day-structure line FREE

Once RTH opens, a compact Day-structure read appears under the context/bias line, built from public Auction Market Theory:

- Range — Outside day / Inside day / Range ext ↑ / Range ext ↓ (today's high & low versus the prior day's).
- Value — today's developing value area versus the prior value area: Higher / Lower / Inside / Unchanged / Overlapping (→ higher / → lower) value.
- Value migration — a multi-day streak (e.g. 3rd day higher) as value migrates in one direction.

- Non-confirmation — a "new high/low, value lagging" warning when a fresh extreme prints but value has not followed.

Each read is marked forming intraday and flips to confirmed at the RTH close. The whole line can be switched off in Settings → Main (Show AMT day-structure line).

Initial Balance: IBC / IBF / IB30 FREE

The IBC / IBF window tracks the first hour's Initial Balance live and frames what usually happens after it breaks — continuation versus failure — with reference probabilities keyed to today's open type. The whole Initial Balance framework — the window, the state machine and the reference-rate tables — is part of the free read.



The IBC / IBF window: a WATCHING / CONFIRMED state machine, the IB30 / IBF30 section, and the reference-rate tables.

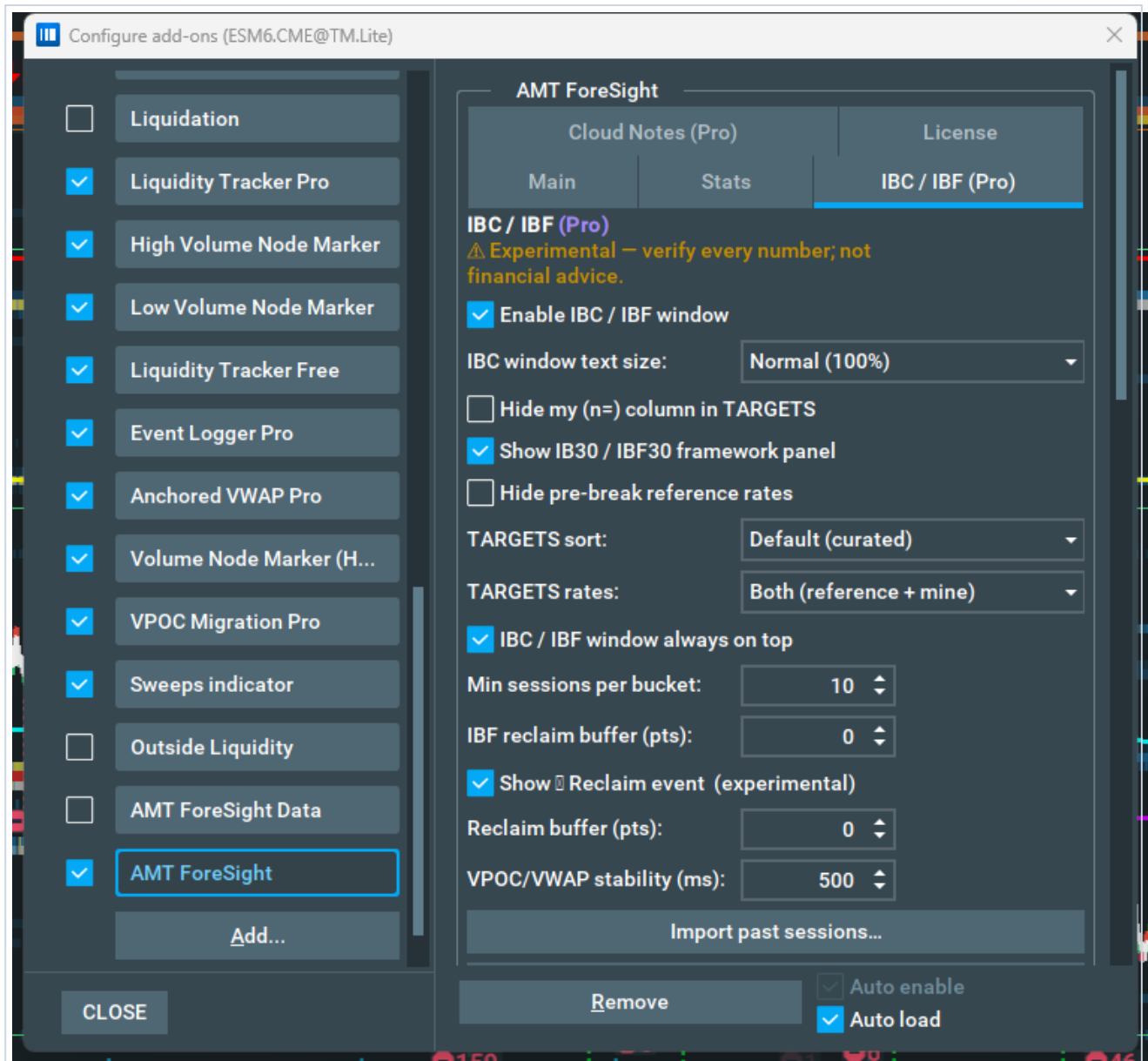
- WATCHING / CONFIRMED — the live state machine: first IB break, two-reclaim failure, reclaim events and IB-Neutral, each moving from watching to confirmed as price acts.

- IB30 / IBF30 — the 30-minute Initial Balance and its post-scale reference rates (toggled by Show IB30 / IBF30 framework panel).
- REFERENCE RATES — aggregate prior probabilities (return-to-VPOC, extension hit rates, target hit rates). What usually happens across many sessions — today's context can override them.

Colour-coded for scanning. The state headline glows warm gold while developing ("No break yet") and flips to the outcome colour on confirmation — Continuation green, Failure amber, IB-Neutral slate-blue. Dormant watch rows stay muted gray while armed rows light up in their outcome colour, the frozen IBH / IBL values render bold so values pop and prose recedes, and every probability percentage is heat-coloured by the same thresholds the stats panel's Stat % has always used ($\geq 70\%$ green, $\geq 45\%$ amber, below that dim red).

IBC / IBF settings

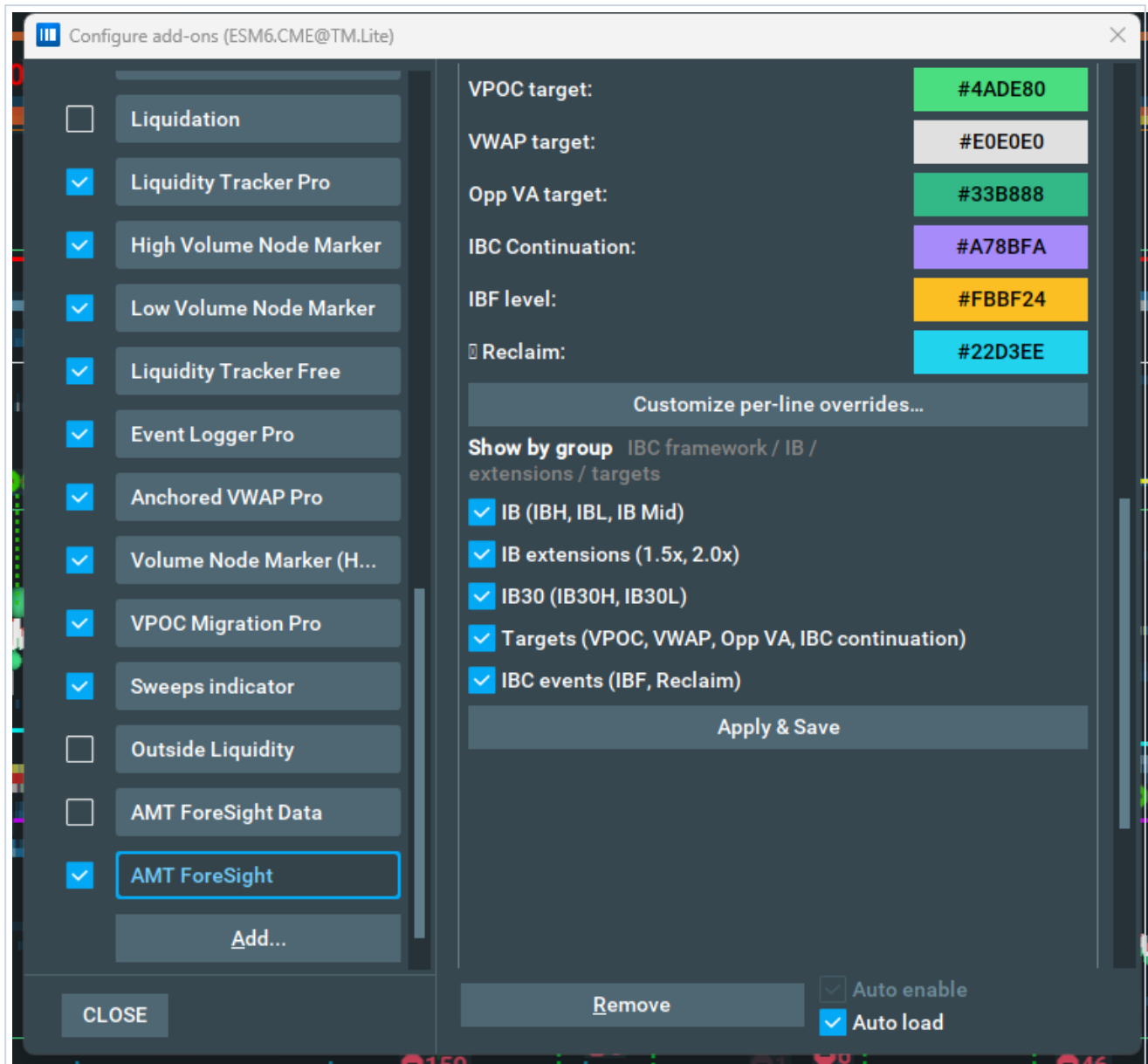
Configured on Settings → IBC / IBF (Pro):



The IBC / IBF (Pro) settings tab — framework options.

- IBC window text size — Small (85%) · Normal (100%) · Large (115%) · Extra large (130%) · Huge (150%).
- TARGETS sort — Default (curated) · by probability · by distance to price.
- TARGETS rates — Reference only · Mine only · Both (reference + mine).
- Plus Show IB30/IBF30 panel, Hide pre-break reference rates, reclaim buffers, Min sessions per bucket, and Import past sessions... to seed your own stats.

The tab also sets the per-line chart colours for the framework lines, extensions and targets:



IBC / IBF chart-line colours for the framework lines, extensions, and targets.

On-chart level lines PRO

With Pro, every framework level is drawn as a horizontal line on the Bookmap chart, labelled with the level name and (optionally) the time it was tagged.



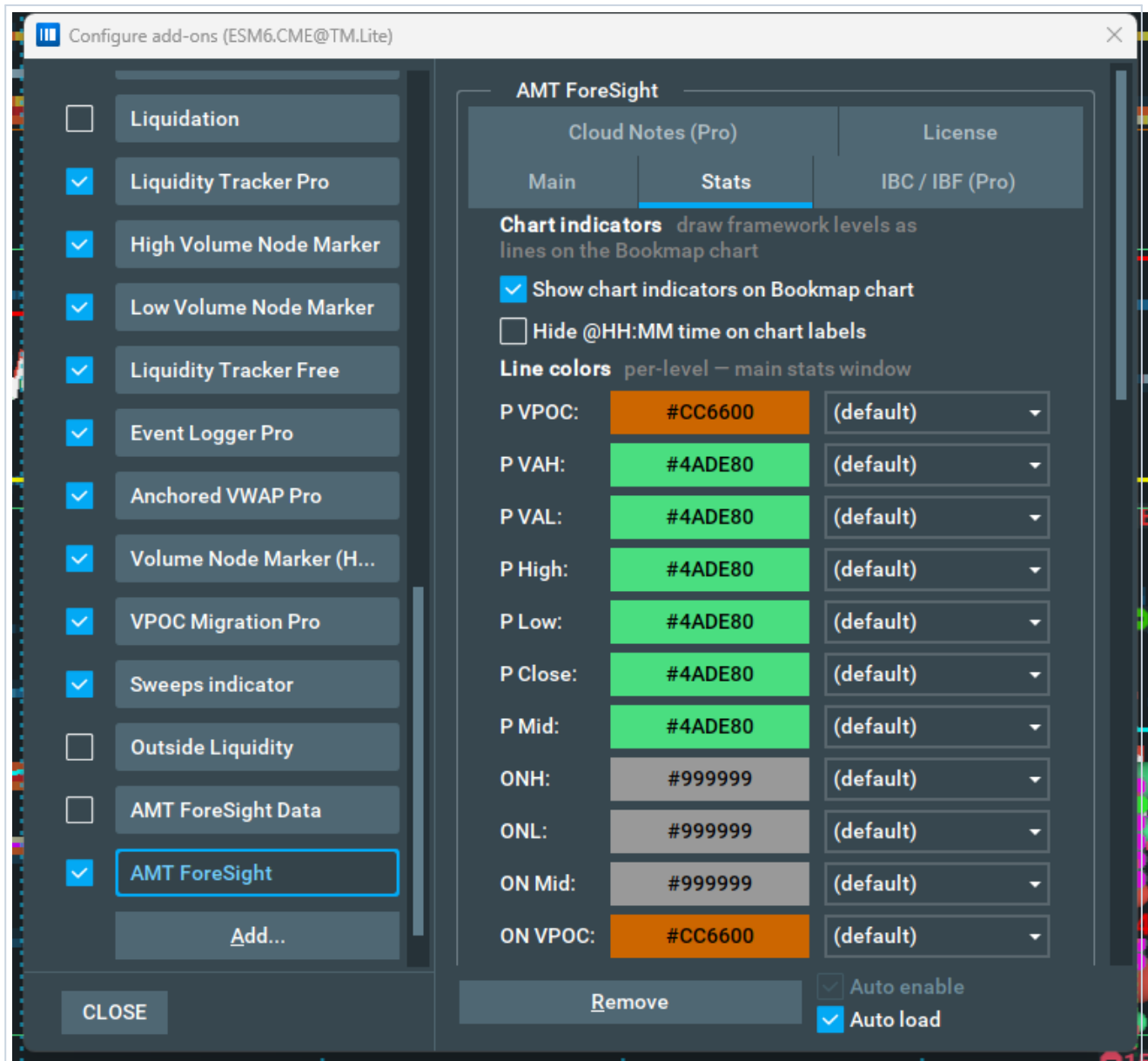
Framework levels on the chart: prior-day & overnight tags pinned to the price axis, target labels showing points gained and times tagged, and level lines whose style changes when price tags them.

Hit styles

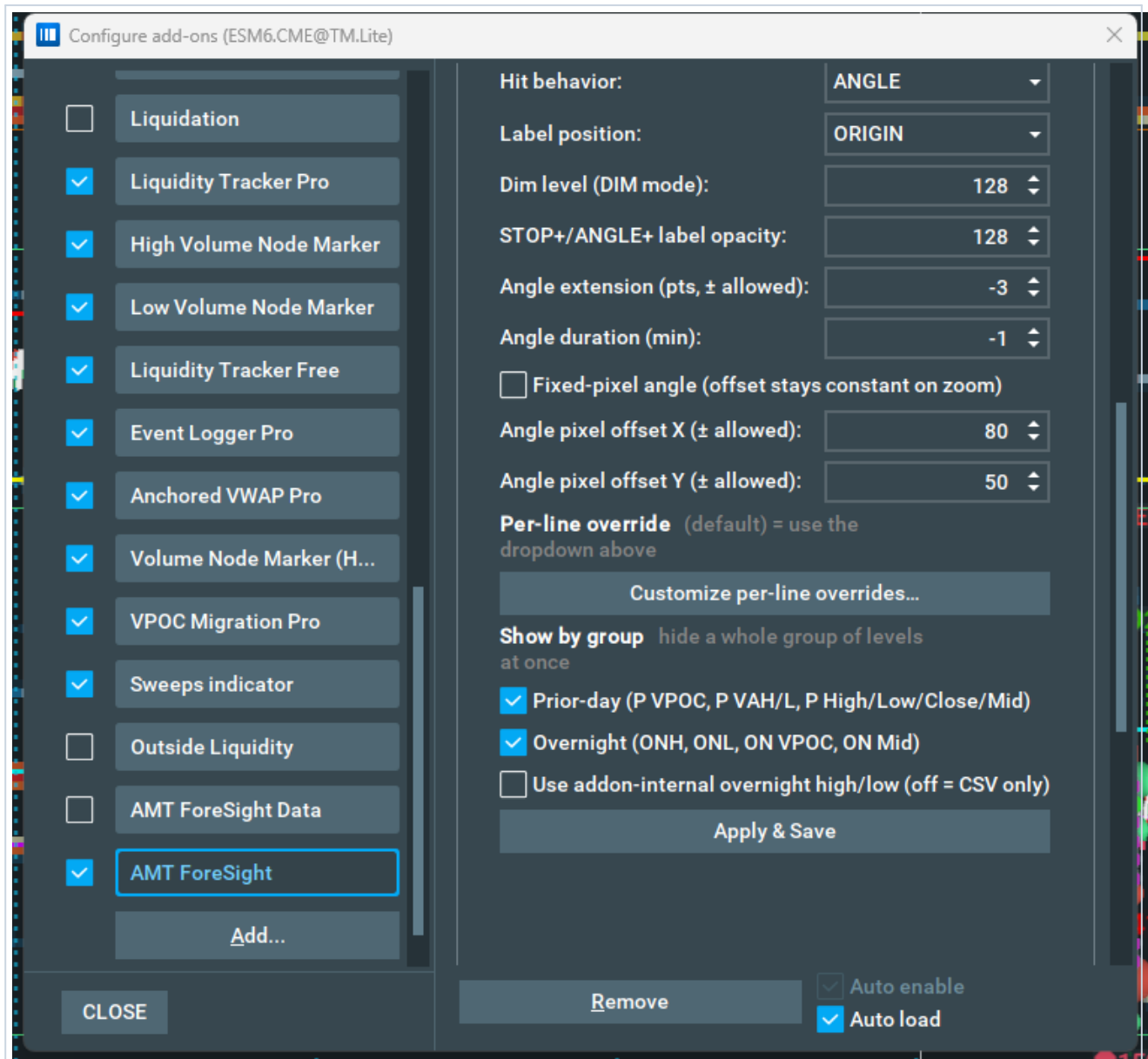
Each level can change appearance the moment price tags it. There are eight hit styles. Set a global default (Hit behavior, Settings → Stats — the shipped default is ANGLE+) and override per level:

Style	Behaviour on hit
DASH	line switches to short dashes
DIM	line fades to a configurable opacity
STOP	line truncates at the hit; a marker freezes the label there
STOP+	STOP, plus a higher-opacity frozen label
ANGLE	line truncates; a slanted "trajectory" overlay is drawn at the hit
ANGLE+	ANGLE, plus a higher-opacity frozen label
HIDE	line disappears after the hit
NONE	no change

Line style options are (default) / Solid / Dashed / Wide dash / Hidden; display is (default) / Both / Line only / Label only / Hidden.



Settings → Stats: chart-indicator toggles and the per-level line colours for prior-day and overnight levels.

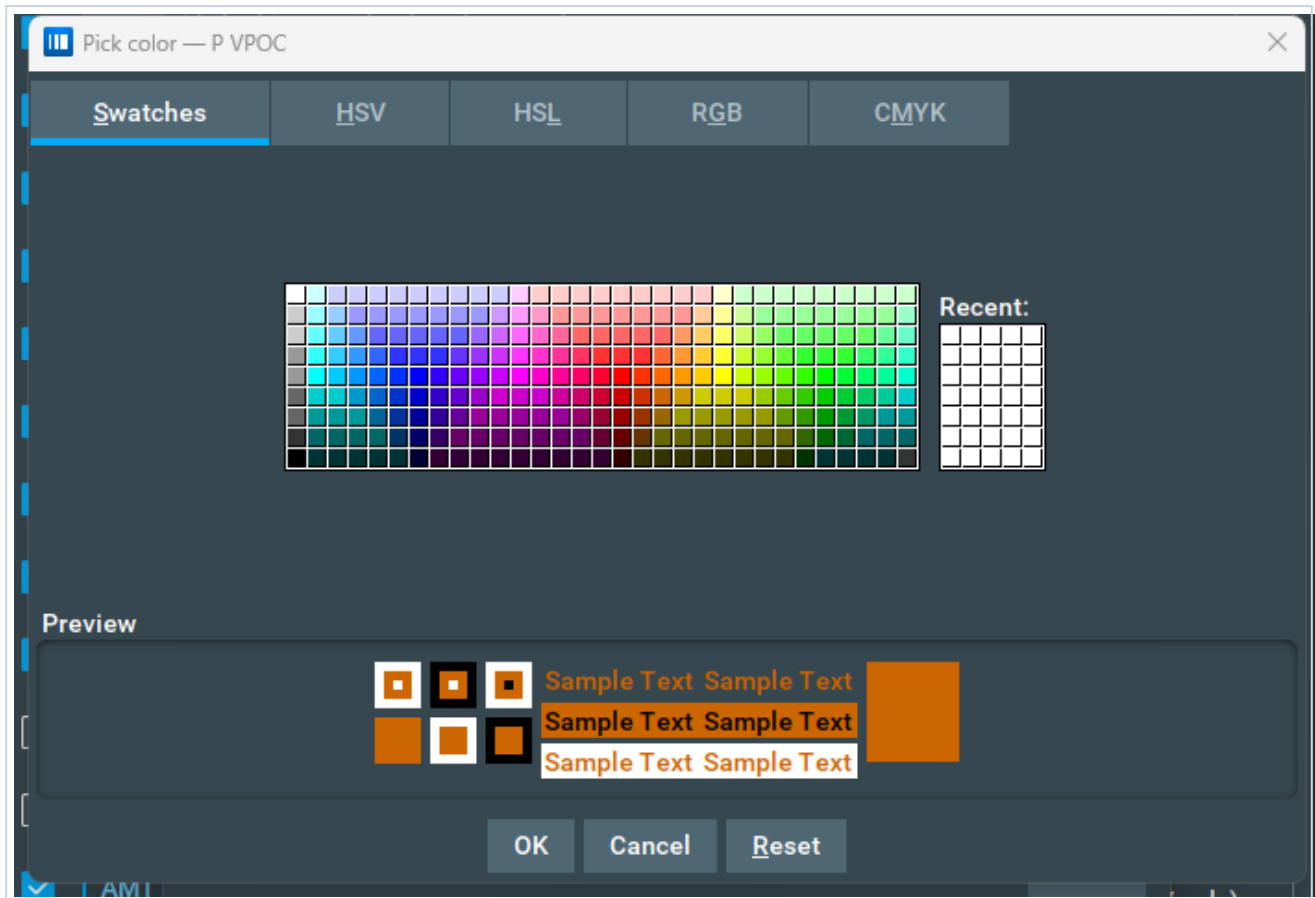


Settings → Stats, continued: hit behaviour, label position, dim level and the ANGLE-mode geometry.

Recommended starting point: Hit behavior ANGLE+ (the shipped default), Label position ORIGIN, Angle extension −3 pts, Angle duration −1 min. Then adjust to taste.

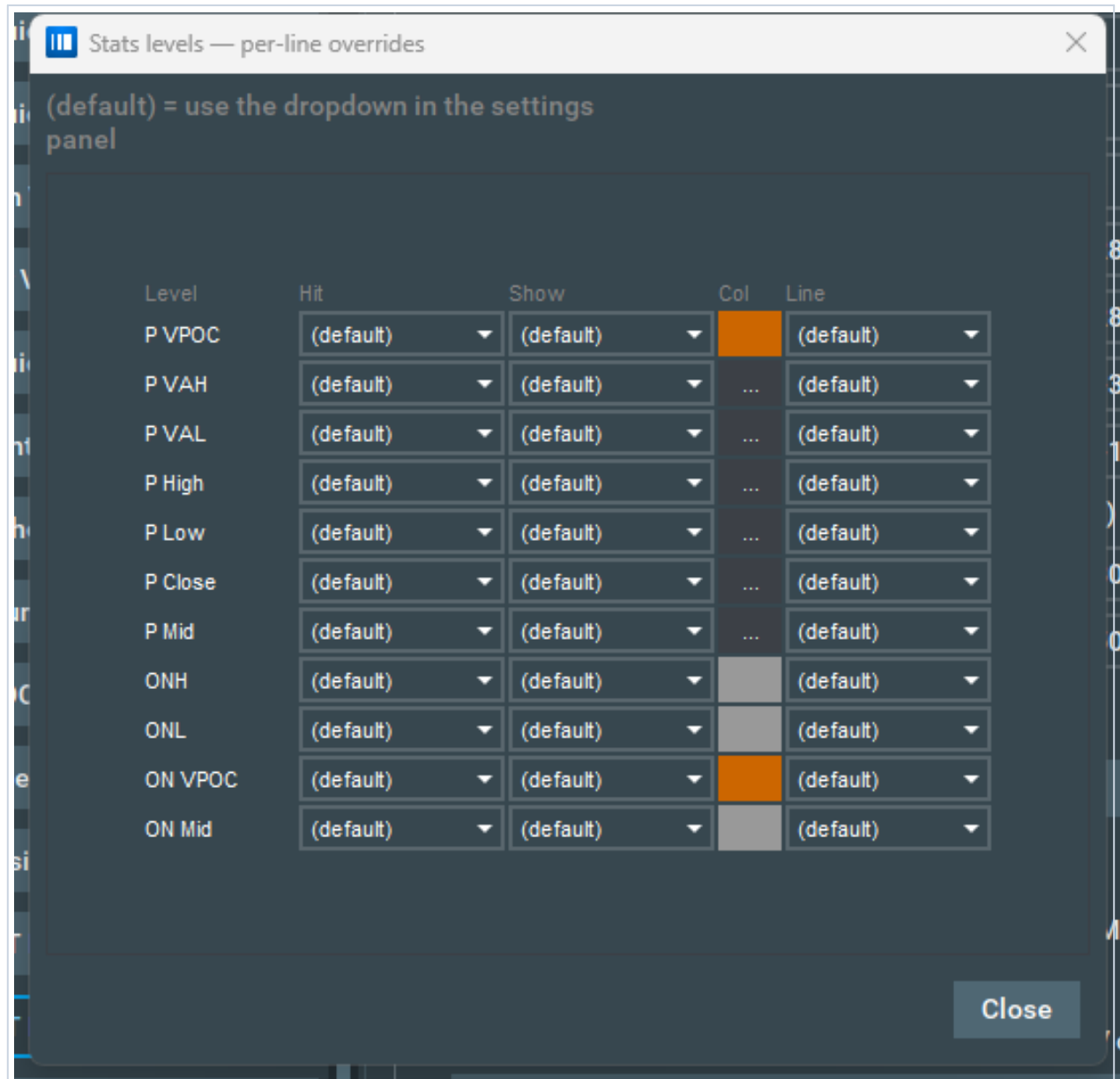
Per-level styling PRO

On Settings → Stats each level has its own colour and line style. Click a colour swatch to open the picker:



The colour picker — Swatches / HSV / HSL / RGB / CMYK with a live preview.

The Customize per-line overrides... dialog gives every level its own Hit / Show / Colour / Line override in one grid; (default) means "use the dropdown in the settings panel". Right-click a colour cell to clear it (the level falls back to its group colour).



The per-line overrides grid — Hit / Show / Colour / Line per level.

The framework families (IB lines, extensions, IB30, targets) have the same override grid on the IBC / IBF tab.

VPOC migration tracking & alerts

PRO+

Pro+ adds live VPOC tracking: a stats panel that follows the developing-session VPOC as it migrates, with a shift count, the direction of travel, and the naked / tested state of recent VHVNs (volume high-volume nodes). On the chart it draws VPOC badges and clusters nearby VHVNs so the migration is readable at a glance.

Naked vs. tested — the birth-time rule. A VHVN counts as tested only when price returns to its exact tick after the node was born. A touch that happened earlier in the session — before the VPOC migrated off that node — never marks it tested, so a node left behind by an afternoon migration stays honestly naked even though price traded there in the morning.

Badges never paint over each other. When two migration badges (VPOC / DVPOC / VHVN) land at nearby prices, the colliding badge keeps its true price and slides left until it clears — badges at near-identical prices form a leftward train, every one at its honest vertical position. Only when a pathological cluster runs out of leftward room does a badge nudge vertically instead, and then it draws a thin leader line back to its true price so the price is never silently wrong.

Voice & sound migration alerts

You can have AMT ForeSight announce VPOC-migration events as they happen — a VPOC shift (the developing VPOC moves to a new node) and a naked-VHVN touch (price returns to a previously naked node). Each event has its own Sound and Voice toggle, so you can pick beeps, spoken alerts, both, or neither per event:

- Sound — a short rising tone fanfare.
- Voice — Windows text-to-speech speaks the event (e.g. "V-POC moved up," "V-H-V-N touched").

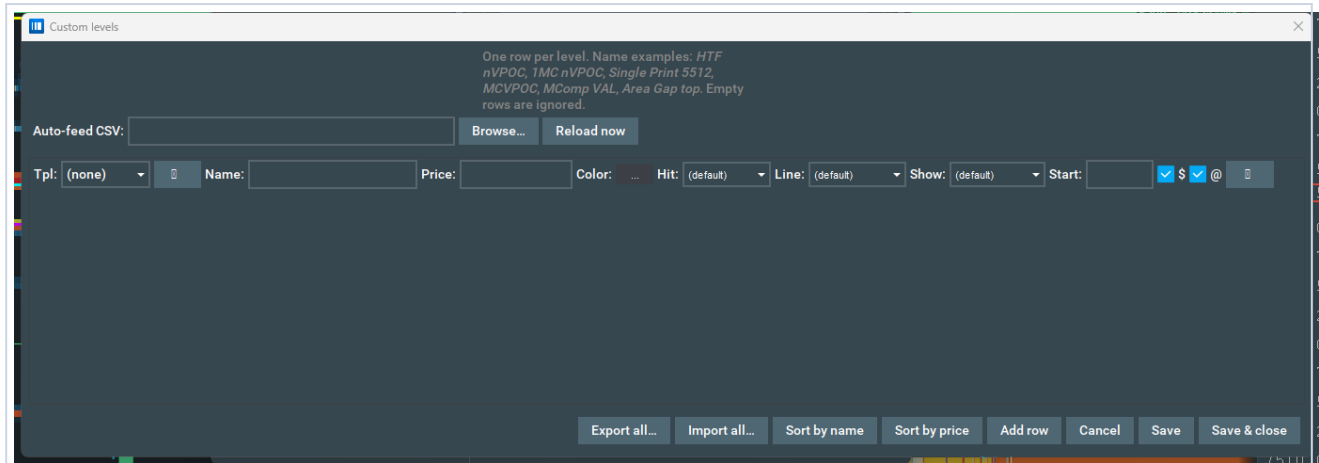
Set them on the VPOC section of the settings, alongside a Voice picker (Default / Female / Male), a speech-rate control, and a per-event cooldown in minutes (default 2) so a choppy session can't spam you. Alerts fire live only — never on replayed or backfilled data — and are debounced by the cooldown. There's a Test action to hear the current voice.

Voice setup. Voice uses the Windows speech engine and works out of the box on a normal Windows install — no extra download. As of v1.6.41 the engine is launched by absolute path (System32 → Sysnative → PowerShell 7), so voice now fires reliably even on machines with a trimmed or non-standard PATH where it could previously stay silent. If a voice alert ever doesn't sound, the diagnostics log records which executable it tried. Voice is Windows-only; the Sound beeps work anywhere.

Custom Levels

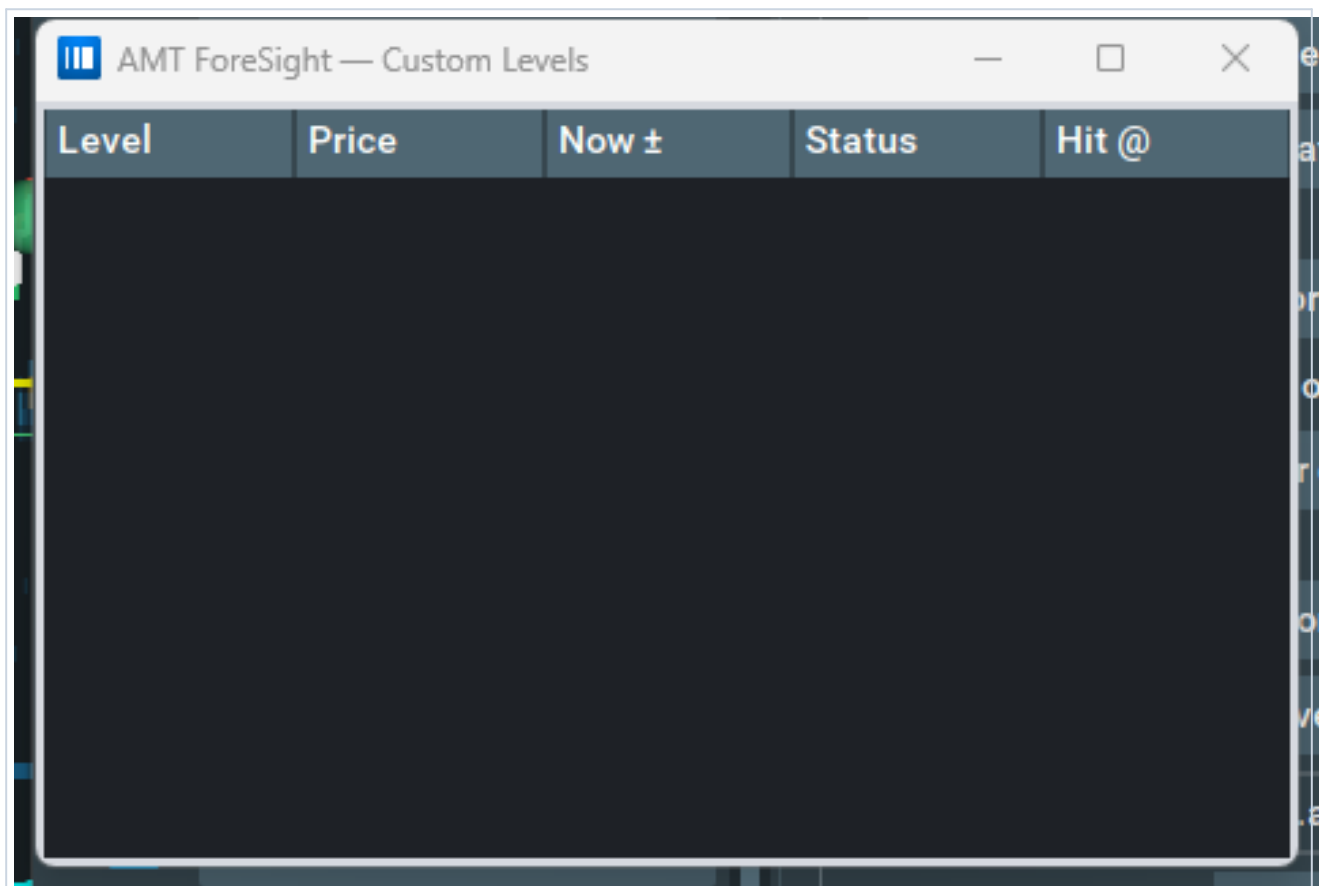
PRO+

Add your own named price levels — they flow through the same hit-detection, chart-drawing and Cloud Notes machinery as the built-ins.



The Custom Levels editor: a per-level row (template, name, price, colour, hit-style, line, display, start time), an optional auto-feed CSV, and import/export.

Type levels one per row, or point Auto-feed CSV at a file and the editor hot-reloads whenever it changes. A separate Custom Levels dashboard gives a live readout — each custom level with its distance to price (Now $\pm$), Status, and hit time:



The live Custom Levels dashboard — Level / Price / Now $\pm$ / Status / Hit @ (shown empty here).

Multi-day HTF levels & automatic naked VPOCs PRO+

The Tracked levels dialog holds higher-time-frame levels that persist across sessions: naked VPOCs, composite VPOC / VAH / VAL, single prints and gap-fill levels. Each row shows its type, name, price, styling, and a Status / Drift read versus the prior saved value. A level stays active until price tags it, remains visible for the rest of that day, then expires the next session (an expired bucket keeps the history, toggled by Show expired).

Working in the dialog. A persistent Sort mode (None / Price ↓ / Type) replaces the old one-shot sort buttons — the pick is remembered across restarts, re-sorting happens only on open / add / delete / save (never while you type), and a freshly added row always lands at the bottom with focus so you can name it immediately. The dialog remembers its size across re-opens and restarts. Deleting a row asks first (Delete level "6.02 NVPOC"?) — though a freshly added blank row deletes without nagging.

The per-row style columns. Hit-style, Display and Persist dropdowns show the resolved default — e.g. "(default · ANGLE+)", "(default · BOTH)" — computed from the same chain the chart renderer uses (row override → Type default → global), so the label can never disagree with what's drawn. The Display column controls how the level renders on the chart: (default · X) inherits, BOTH = line + price-axis badge, LINE = the line only (no badge), LABEL = the badge only (no line), HIDDEN = neither. Changes apply immediately on Save.

Tracked levels — multi-day persistent.
Levels persist across sessions until deleted or hit. A hit level remains visible today, then auto-expires tomorrow.
MCVPOC/VAH/VAL show drift vs the prior saved value.

Type	Name	Price	Hit-style	Display	Persist	Status / Drift
Naked VPOC	5.25 NVPOC	7558.50	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7558.50)
Naked VPOC	5.22 NVPOC	7507.75	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7507.75)
Naked VPOC	5.21 NVPOC	7465.25	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7465.25)
MC VPOC	MCVPOC	7420.00	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7420.00)
MC VAH	MCVAH	7454.00	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7454.00)
MC VAL	MCVAL	7358.75	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7358.75)
Other	5.25 ATH	7569.75	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7569.75)
Naked VPOC	5.5 NVPOC	7287.00	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7287.00)
Naked VPOC	5.4 NVPOC	7230.00	(default)	BOTH	(default)	active — +0.00 vs 2026-05-27 (7230.00)

+ Add row ☐ Show expired Sort by price Sort by type Type defaults... Cancel Save Save & close

The Tracked levels dialog — multi-day persistent levels with per-level styling and drift versus the prior saved value.

Name vs Type — and why each Name must be unique. A tracked level carries two distinct fields. Name is the level's chart badge (e.g. 5.26 NVPOC) and its storage key — it is how the level is saved and looked up, so every tracked level must have its own unique Name. Type (Naked VPOC / MC VPOC / MC VAH / MC VAL ...) is a separate field that routes the level for tracking & statistics and shows as its generic name (e.g. "nVPOC") in the stats window. They do different jobs, so both are kept. A blank Name or a Name that duplicates another row is now flagged on save (you'll get a dialog listing exactly what's wrong, with the option to fix or save anyway) — rows are no longer silently dropped or overwritten. Recommended convention: name a level after the date it is anchored to — e.g. 5.26 (month.day) — or add a number to keep it unique.

Automatic naked VPOCs: when a session ends, that session's VPOC is captured and added as a dated naked level automatically (e.g. 6.2 NVPOC). It stays naked until price trades back to its exact price, then expires. This now fires both at the continuous 18:00 ET rollover and when you End Day (or the add-on auto-ends at RTH close) and shut down overnight — so a session VPOC carries forward correctly even when the add-on doesn't run continuously across the rollover. The two paths are idempotent (no duplicates).

Auto vs. hand-entered. A level the add-on created automatically (a naked VPOC or a gap level) is flagged ☐ "Auto" so you can tell it apart from a level you typed in: an inline ☐ marker on the HTF Levels row, "Auto-generated" in that row's tooltip, and an ☐ Auto badge in the Tracked levels... dialog. Hand-entered levels show nothing.

Automatic gap tracking PRO+

On a real gap day, ForeSight auto-seeds the gap-fill targets as tracked levels — the same auto-seed path as naked VPOCs (☐ Auto marker), so they flow into everything tracked levels already do: chart lines and badges, the HTF panel, stats, and hit announcements.

- Gap Body — seeded at the prior RTH Close, the full-fill target (the same reference the context strip's "Gap +x.xx%" line uses).
- Gap Wick — seeded at the prior High (gap up) or prior Low (gap down), but only when the open also gapped past it — a true wick gap.

Named for the prior day — the day being filled. A gap level is anchored to the session whose levels it represents, matching the NVPOC convention (a level is named for the day it formed). Example: 6/2 closes at 7628.25 and 6/3 gaps down below it — the Body level at 7628.25 is 6/2's close, so it's named "6.2 Gap Body". The prior date comes from your stored session history, so a Monday gap anchors to Friday and a post-holiday gap to the actual last session — never calendar-minus-one.

Until-hit lifecycle. Price returning to the level = gap filled — the level dims as hit-today and expires on the next session. An unfilled gap simply persists, day after day, until it fills. No-gap days seed nothing, and tiny gaps are filtered by a quiet built-in threshold (the open must clear the prior close by at least 4 ticks or 5% of the prior day's range, whichever is larger).

Historical backfill. On startup ForeSight scans its own stored session history and seeds every past opening gap that is still unfilled — so the chart immediately shows the real backlog of open gaps with their original anchor dates (e.g. "5.28 Gap Body"), exactly like a backlog of naked VPOCs. A gap that any later stored day already traded through is never seeded.

Your edits are respected. A gap level you deleted stays deleted — neither the startup scan nor the live seed will ever resurrect it. A row you renamed or price-edited by hand is treated as yours and never touched. Re-attaching mid-day never double-seeds, and replays never seed or write anything.

Value-gap days get a chart tag too. When the day opens out of the prior value area, the relevant prior-value level's chart label carries a "· VALUE GAP" tag for the session — a gap above value tags P VAH (e.g. "P VAH 7449.75 · VALUE GAP"), a gap below value tags P VAL — in the same warm amber-gold accent as the panel's day-type headline. No new lines are drawn, the tag clears at rollover, and it can never disagree with the panel's day-type read (it reuses the same classification, including a manual day-type override). True range-gap days tag too: the Gap Wick / Body levels mark the range gap while this tag marks the value re-entry level. Toggle: "Label value gaps on the chart (P VAH/VAL tag)" in Settings (default on).

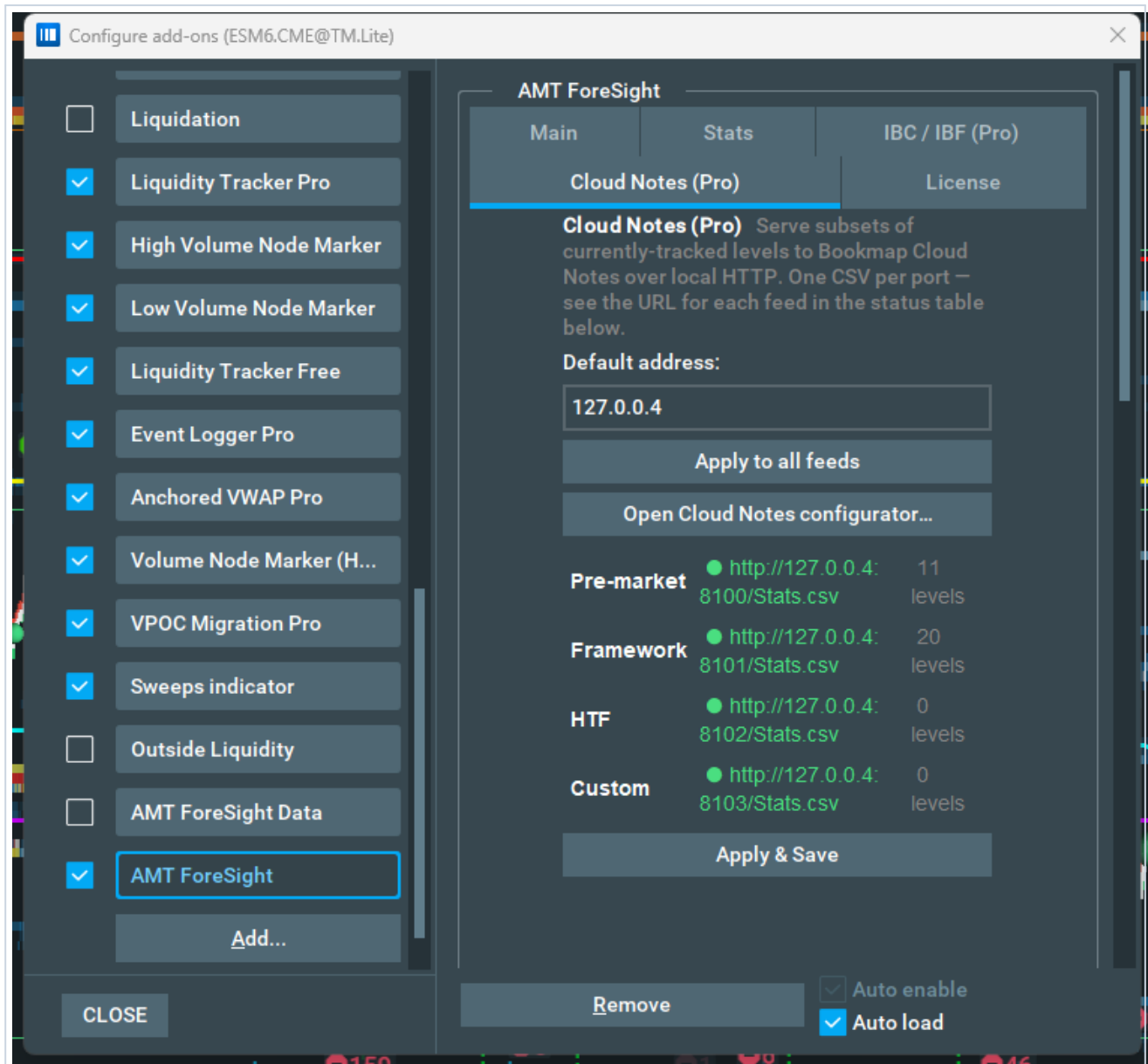
Keep a tested naked VPOC: the End-of-Day review PRO+

A naked VPOC is usually spent once price tests it — but if it was the session high or low, or price clearly rejected off it, it's a proven level worth keeping. At End Day a review lists the naked VPOCs that were hit that session; each is pre-checked when it was the session HOD/LOD or held there (proximity to a prior-day level shows as an info tag). Keep the ones you want and they're promoted to a persistent p/NVPOC — relabeled (e.g. 6.4 NVPOC → 6.4 p/NVPOC), given a distinct colour, and kept on the chart until you remove them. The rest retire as before.

The automatic end-of-day (RTH close) flags the review as pending rather than popping a dialog at you; a manual End Day opens it right away, and you can open it any time from Tracked levels... → "Review hit naked VPOCs." A "p/NVPOC near-dist (ticks)" setting (default 4 = 1.00 pt on ES) controls how close to the high/low a hit must be to get pre-checked.

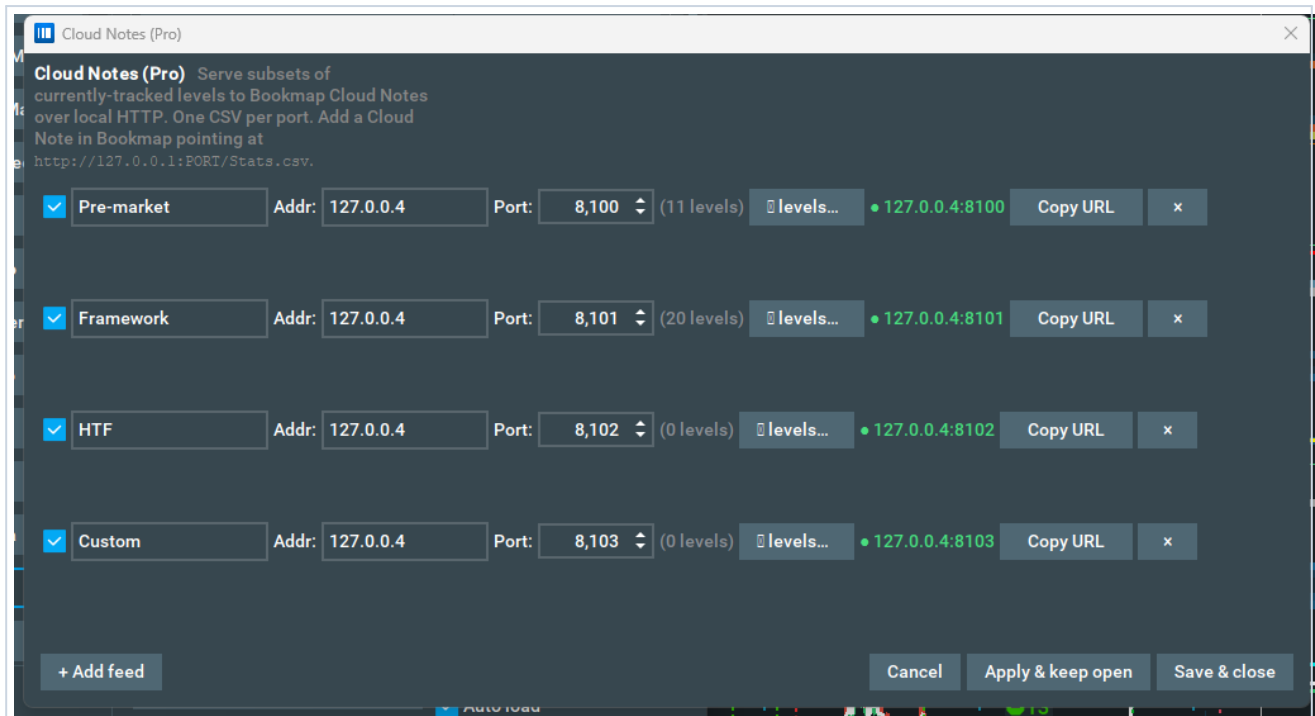
Cloud Notes feeds PRO+

Cloud Notes publishes any subset of your tracked levels to Bookmap's Cloud Notes panel over local HTTP — multiple categorised feeds, each on its own port, with per-level colours that inherit your chart styling. The Settings → Cloud Notes (Pro) tab shows the live status of each feed:



The Cloud Notes (Pro) settings tab — default address and the live status table for each feed.

Open Cloud Notes configurator... opens the full editor — enable a feed, set its bind address and port, pick its levels, and copy its URL:



The Cloud Notes configurator: one feed per row, each with its own address, port, level picker, live status and Copy URL.

The levels... picker groups every available level (Overnight, Prior day, Initial Balance, IB30, IBC events, tracked, custom); each has a background/text colour swatch, and the ... button resets a level's Cloud Note colours so they inherit from its chart-line colour:



The per-feed level picker — grouped levels with per-level colour swatches that inherit from the chart styling.

Sending a feed to a Bookmap Cloud Notes column

1. In the configurator, enable a feed and click levels... to choose what it carries.
2. Click Copy URL — e.g. `http://127.0.0.4:8100/Stats.csv`.
3. In Bookmap, add a Cloud Notes column (right-click the column-header area) and paste the feed URL.
4. The levels appear on the next poll, in their broadcast colours.

STATS	HTF
P VAH	
P VPOC	MCLVN
P Mid	
P VAL	
	MCHVN
P Low	

The receiving side: two Bookmap Cloud Notes columns. The STATS column carries the prior-day feed (P VAH / P VPOC / P Mid / P VAL / P Low); the HTF column carries composite levels (MCLVN / MCHVN). Colours match the publisher's per-level styling.

The Alarm Function PRO

Session alarms fire a sound, a spoken voice, and/or a popup at times you choose — RTH open and close, lunch, the electronic-session opens, your own news times, or any custom time. Alarms are purely time / session based (there is no price-trigger field — price alerting is the level-hit system, covered above). They are driven off the session's data clock and are replay-safe: they fire on the genuine live session only, and never on a replay scrub or a backfill rebuild.

Opening the Alarms window

Click ☐ Alarms on the main window's Session row to open the floating AMT ForeSight — Alarms window. The ☐ / ☐ bell on the stats window is the master mute toggle — ☐ means alarms are on, ☐ means muted; the Enable alarms checkbox at the top of the Alarms window does the same thing. Alarm times use your Session timezone (Settings → Main; default US Eastern), shown in the window header.

Adding an alarm

In the ☐ Add New Alarm form, set:

- Name — what the alarm is (e.g. RTH Open, Fed Speech). With the Voice sound, this name is what gets spoken.
- Time — 24-hour HH:mm in the session timezone (e.g. 09:30).
- Repeat — Daily, Weekdays (Mon–Fri), a specific weekday, or Once (fires one time, then disables itself).
- Sound — Voice (Windows speech speaks the alarm's name), Chime, or Tone.
- Notify — show a popup toast when the alarm fires.
- Pre-alerts — optional heads-up checkboxes (15 / 10 / 5 / 3 / 2 / 1 minutes) that also fire ahead of the alarm time.

Click ☐ Preview to hear the current sound/voice without saving, ☐ Preview countdown to hear the spoken countdown (name + "5... 4... 3... 2... 1... now"), then ☐ Add Alarm to save it. Adds save immediately.

Quick-add chips. Two rows of one-click presets save you typing common alarms:

- Sessions — RTH Open / RTH Close (pre-filled from your configured RTH open/close), ETH Open / Close, London Open / Close, Asia Open / Close.
- Zones — time-block alarms that announce when the clock enters a window, optionally remind every N minutes while inside it, and announce when it exits.

Managing alarms

Every saved alarm shows as a row under Active Alarms, each with:

- Edit — change its name, time, repeat, sound and pre-alerts.
- ☐ Test — fire it once now, to confirm how it sounds.
- ☐ — remove it.

- A checkbox to enable / disable that one alarm without deleting it.

All of these save immediately. A spoken countdown (the selected voice counts the final seconds) can sound as the soonest enabled alarm approaches.

Replay safety

Alarms never fire on a replay or a backfill rebuild — the alarm check no-ops on anything that isn't the genuine live session, so scrubbing a replay can't trigger them. They re-arm each new live session.

Voice & sound. The Voice option uses the Windows speech engine (Windows-only); Chime and Tone work anywhere. A per-alarm Once alarm disables itself after firing so it can't repeat.

Replay that reveals in step FREE

The headline capability of the 2.0 line: in a Bookmap Replay, AMT ForeSight now reveals in step with the playback cursor instead of dumping the whole day at once. As the present line reaches each event, that event reveals; scrub back and it retreats — so a replay reads exactly as the live session did at that moment.

What reveals in step at the cursor:

- Level hits — the line dim, the angle "exhaust trail", the on-chart hit dot / marker, the right-edge label, and the stats window's "X / N levels hit" count and hit sequence. Standard, prior-day / overnight, multi-day HTF / tracked, and your own custom levels all reveal in step.
- VPOC & VHVN — the developing VPOC value and the DVPOC read track the cursor (sampled as-of the present line), and VHVN migration badges appear once the cursor passes the shift that left them behind.
- Initial Balance — the IB30 / IB60 range develops as-of the cursor and locks at its window close, exactly as live.

The footer clock and the Price readout follow the present line (price-at-cursor) during a replay. Live (RTH) behaviour is byte-for-byte identical — every reveal path is replay-only and self-gates on the replay session.

Replay sandbox — your live data is never touched

Reviewing a replay is completely safe. Editing or saving any level while in a replay — prior-day, tracked / HTF, custom, or any other type — applies only to the replay you're looking at; it is never written to disk. When you Save such an edit in a replay, the editor shows an honest "AMT ForeSight — replay sandbox" notice telling you the edits apply to this replay only and your live levels are unchanged. Your live levels, settings, snapshots and hit history are left exactly as they were. You can scrub, edit, and experiment freely.

Spoken migration cues in replay

During a replay AMT ForeSight speaks the VPOC migration as it develops — "VPOC moved up" / "VPOC moved down" with a chime as each shift is reached at the playhead — plus the naked / tested VHVN touch cues. These reveal in step with the cursor like everything else, and retreat on a scrub-back.

Voice auto-mute for fast replay. At high replay speeds the playhead crosses many levels per second, which would overwhelm the one-at-a-time voice engine. A setting "Auto-mute voice during fast replay / above [N]× speed" (on the Alerts / VPOC settings; default ON, 4×) suppresses the spoken replay cues above the chosen speed so the voice can't drone through stale phrases. The visual reveals and markers always remain — only the voice is muted, and only above the threshold. At or below it the voice behaves exactly as in normal play. Live audio is unaffected.

Known limitation (refinement in progress). If you seek or scrub the playhead forward past a VPOC shift, the spoken "VPOC moved..." cue for that shift may not re-announce. The visual VPOC migration and the normal forward-play voice are unaffected — this only affects the spoken re-announce after a forward seek, and a fix is queued.

Sessions, rollover & replay safety

AMT ForeSight uses a proper Globex session model: the session rolls at 18:00 ET, with RTH/ETH hit-gating and a configurable session window and timezone (Settings → Main). Prior-day and overnight levels are re-captured right up to the bell. End Day freezes the day (it does not clear it) and seeds that session's VPOC as a naked VPOC; with "Auto-end session at close time" enabled the addon also auto-ends at RTH close to finalize the trading day. (An accidental End Day is one click to undo — the button becomes Resume Day.)

No more dead-ends after a missed End Day. If a frozen session (a manual End Day, or the auto-end) is left attached and idle while the day rolls over, it now self-heals — the freeze auto-thaws once the new trading day begins, so stats resume on their own with no reinstall and no manual click required. A deliberate same-day End Day stays frozen (Resume Day remains your choice). When you are on a new day with stale levels, the banner points you at "Set prior-day levels..." — the action that actually moves you forward — and Resume Day / Start New Day are clearly enabled rather than greyed out. The "Set prior-day levels..." dialog now also shows the current trading day in its header, with a note that the fields you enter are the prior session's values, so there's no ambiguity about which day you're setting up.

Replay is always safe. Your saved levels, hit history, naked VPOCs, custom levels and Cloud Notes feeds are never altered by a Bookmap replay — live builds the record, replay only observes it, and any edit you make in a replay stays in the replay sandbox (see Replay that reveals in step). Scrub freely.

Self-contained recovery. Hits, levels and session state persist to disk and restore on a mid-session restart, without depending on backfill depth or any external source. Settings survive an uninstall/reload. If Bookmap is launched with the addon already loaded and the addon goes live before Bookmap has finished loading its history, it now re-attempts the session rebuild automatically on a short backoff until the rebuild succeeds — so IB levels, RTH levels, VPOC and hits appear on their own after a cold start, with no need to remove and re-add the addon.

When the data feed stalls

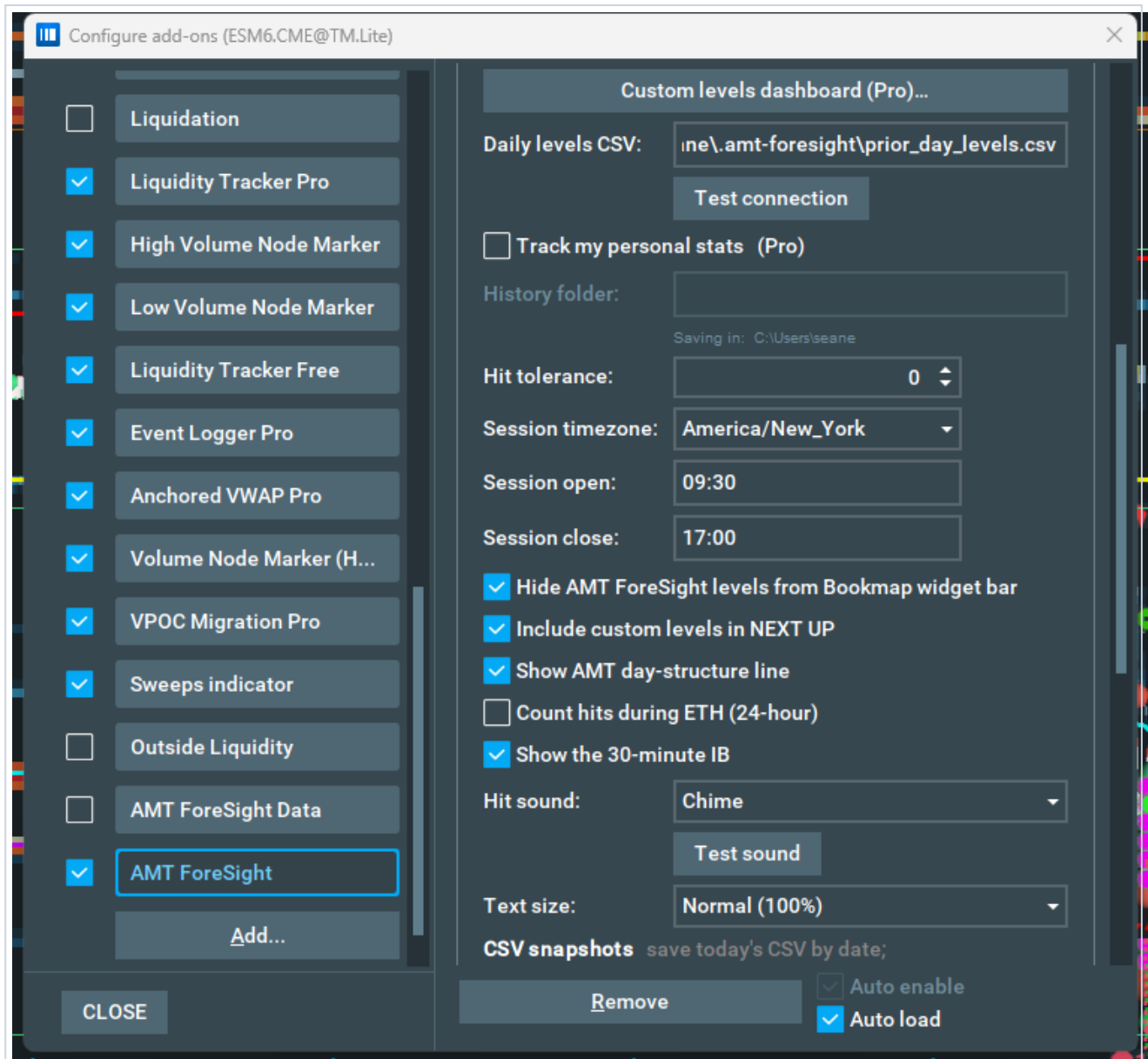
Sometimes the problem isn't ForeSight — it's the feed. When no realtime data has arrived for 30 seconds, the stats window shows an amber banner: "⏸ DATA FEED STALLED — no data for Ns (feed/connection issue, not ForeSight)". The seconds count up live, and the banner clears itself the instant data resumes — nothing to dismiss. An optional one-shot voice line ("data feed stalled" / "data feed resumed") announces it; toggle with "Speak feed-stall warnings" next to the voice settings (default on). The banner never fires during a replay.

The window heals itself. If you run more than one chart and the feed that owns the stats window dies, the window no longer stays stranded on the dead feed: any live instance takes ownership over automatically once the owner has been silent for about 45 seconds, and the window resumes on the live feed. Two healthy feeds never fight over it — ownership only moves when the current owner is genuinely dead or your locked Instrument says otherwise.

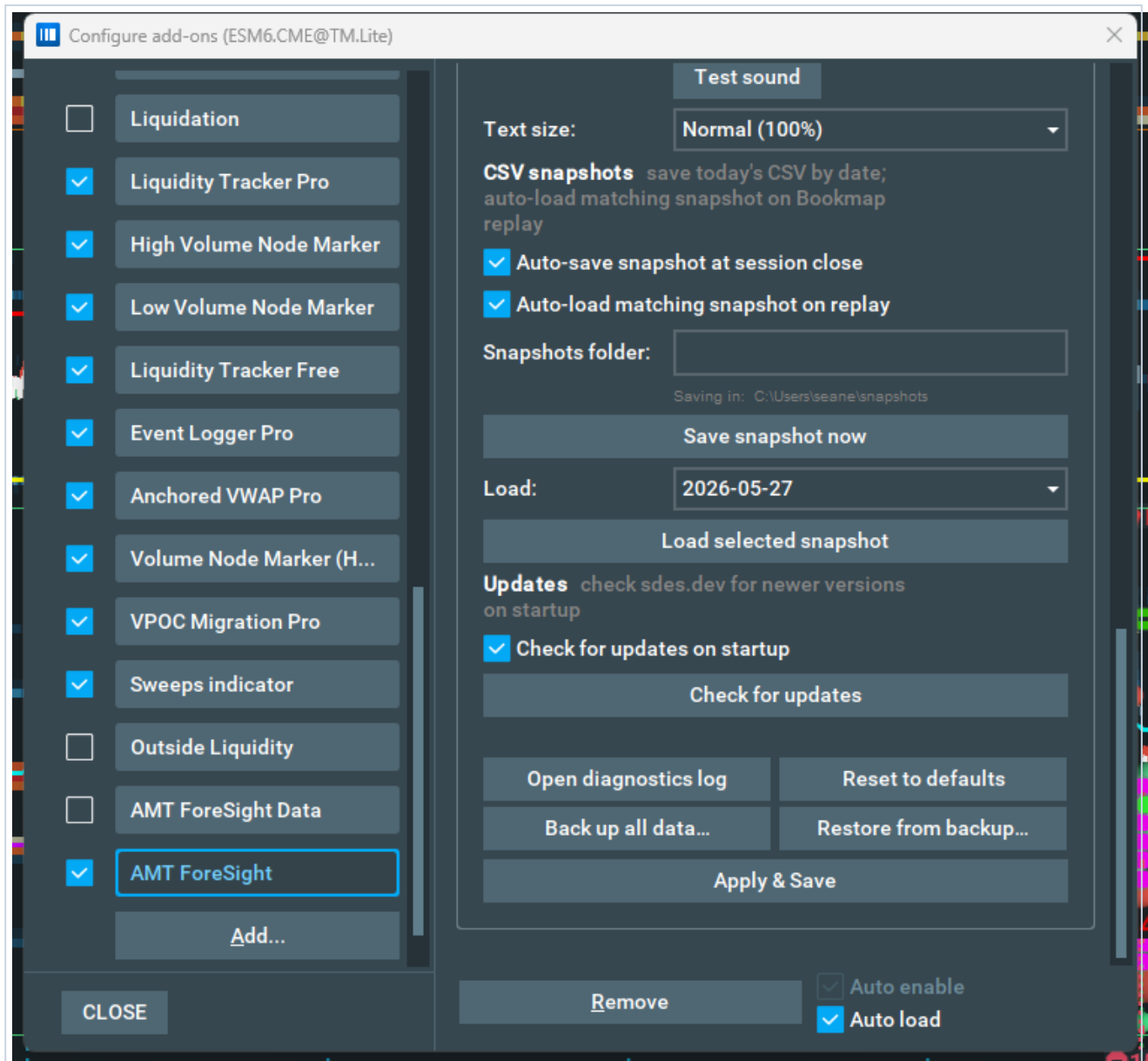
The manual escape: "Rebuild window". If the stats window is ever wedged, open Bookmap's Configure add-ons and click "Rebuild window" (next to "Open AMT ForeSight window", which only re-fronts the current window — frozen and all). It moves ownership to that chart's instrument, throws away the stale frame, and rebuilds it fresh. It's a pure display rebuild — your session data, hits, history and settings are untouched — and because it lives in Bookmap's own dialog it works even when the stats window itself is unresponsive. You never need to remove and reinstall the add-on to recover a stuck window.

Settings reference

The add-on's settings live in Bookmap's Configure add-ons window across these tabs: Main, Stats, IBC / IBF (Pro), Cloud Notes (Pro), VPOC, Opening Context, Alarms, and License. The Main tab holds the windows, the prior-day CSV, session window/timezone, the level toggles (including Show AMT day-structure line, Prompt me to set my higher-timeframe bias, Label value gaps on the chart and the Level heat range spinner), hit sound, CSV snapshots (auto-save / auto-load on replay), the Auto-end session at close time option, update checks, and backup/restore:



Settings → Main, middle — personal stats, session timezone/open/close, level toggles, hit sound.



Settings → Main, bottom — CSV snapshots, updates, diagnostics, backup/restore, Apply & Save.

Your windows stay put. Every popout window — Settings, Alarms, Tracked / HTF levels, Custom Levels (editor and dashboard), Cloud Notes, Set prior-day levels, and the override editors — reopens exactly where you left it, including which monitor, at the size you left it. If the saved monitor is no longer connected, the window falls back to its default placement instead of opening off-screen. (The main stats window and the IBC / IBF window already behaved this way.)

Backup / restore is complete. The settings backup file now carries every setting — including the context-line, opening-behaviour, range-projection and VWAP-cycle tuning options that older builds read on restore but never wrote, which could silently revert those customizations to defaults. Settings remain strictly additive: an old backup restores cleanly with defaults for anything it lacks.

Licensing & activation

A paid tier is unlocked with an activation key entered on the License tab — paste your key and click Activate. Licensing is single-machine: one key runs on one computer at a time. The add-on never stores any payment details. The free tier always works with no key.

There are three tiers:

- Free — the AMT stats window, the IBC / IBF / IB30 framework, VWAP stats, gapped-over markers, the auto + discretionary bias read, and Session Rebuild.
- Pro — adds on-chart level lines & hit markers (eight hit styles, per-level colour & style) and the Alarm Function.
- Pro+ — adds VPOC-migration tracking (panel, badges, clustering, voice/sound alerts), Custom Levels, multi-day HTF tracked levels, and Cloud Notes.

Your key activates the tier you hold; the free read is always available with no key. (Existing keys never lose access — older keys map forward to at least their previous feature set.)

Updating

The Standard build checks the website once per live session and shows a banner in the window's version line when a newer build is published. Click the version line to open the download page, then replace the .jar in Bookmap's add-ons. The BookmapData (live) edition is deliberately off the auto-updater — each release must be re-authorized by Bookmap before it can run on BookmapData, so it updates more slowly; re-download it from the website when a new authorized build is posted.

Support

- Email questions and bug reports are free — write to sean@sdes.dev. Replies are not instant (expect a day or two) but every email gets a real answer.
- Live screen-share setup help is available as a paid 1-on-1 session.

Sources & further reading

AMT ForeSight surfaces concepts from publicly taught Auction Market Theory / Market Profile — it does not originate them. The methodology behind the reads comes from:

- J. Peter Steidlmayer — originator of the Market Profile and Auction Market Theory (CBOT, 1980s), and of the original categorization of the trading day's open into its principal types. Markets and Market Logic (Steidlmayer & Koy); Steidlmayer on Markets: Trading with Market Profile.
- James F. Dalton, Eric T. Jones, Robert B. Dalton — formalized the trader-facing framework, including the named opening types used in the opening-behavior read (Open-Drive, Open-Test-Drive, Open-Rejection-Reverse, Open-Auction) and their relative confidence ordering. Mind Over Markets: Power Trading with Market-Generated Information; Markets in Profile (Dalton).

- The opening-context alignment decision tree (gap / in-range / in-value, responsive vs. impulsive), the IBC / IBF / IB30 Initial-Balance framework, and the per-context hit-rate statistics follow Auction Market Theory as taught in Tom B.'s TraderLab material, with some Initial-Balance conditional probabilities from WROD community research.

On the numbers: the opening types, the opening-context decision tree, and the reference hit rates are grounded in the sources above. Where AMT ForeSight must turn a qualitative description ("opens and drives aggressively one way") into a measurable rule, the detection thresholds (move size, open-price crossings, time windows) are practical settings, not values published in any of these books — they are exposed as adjustable knobs and default to values tuned for the ES. Treat any confidence wording as a guide, not a calibrated statistic.

Disclaimer

AMT ForeSight is not financial advice. Every statistic is an aggregate prior, and data can be wrong. You alone are responsible for verifying every number and for every trading decision. See `DISCLAIMER.md`. Markets involve substantial risk of loss.