

The complete Terminal manual

Charting. Options. Company research. World context.

Version 1.5.32 / 5 October 2026

Published for Windows and Linux

All 161 commands + the new charting and research workflow

Professional English edition / recorded real-data figures

ANALYTICAL WORKSPACE - NO BROKER ORDER EXECUTION

Source clocks, units, model boundaries and missing inputs remain visible.

Trading involves substantial risk. Analytical tools, not financial advice.

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01 | Release scope and reading the data

The 1.5.32 English edition

GEX Levels Terminal combines charting, options and company research with macro and world context. This complete guide covers the published Windows and Linux 1.5.32 release and all 161 registered commands, including functions whose data or account prerequisites are not available in every session. A catalogue entry is not a promise of a complete feed or an executable trading function.

The command appendix is extracted from the immutable Windows 1.5.32 package. Figures are actual recorded Terminal views from the 5 October 2026 authenticated review, not generated market examples. Their displayed field-specific dates and units remain visible. They illustrate the interface at a recorded moment, not a continuously live feed. No personal position or fabricated trading result is presented.

Surface	Release status	What to check
Windows	Version 1.5.32 published.	Install from the official Terminal page; confirm the installed version.
Linux	Version 1.5.32 published.	Use the Linux package and verify local OS/display support.
macOS	No new 1.5.32 package is announced here.	Signing, notarization and platform validation remain prerequisites.
Indicator and Pine	Separate products and delivery surfaces.	Account access, the current export and platform-specific capability limits.
Website journal/workspace	Account-backed services.	Authentication, permissions and the operation's actual result.
Personal feed and orderflow	Explicitly configured read-only connections.	Entitlements, observed channels, freshness and source identity.

One canonical options selection

The level map and its associated options context retain the same snapshot identity, symbol, basis, mode and capture. Repeated requests can reuse unchanged snapshots through conditional responses and request coalescing; this does not authorize a looser licensing check or silently replace the selected book. A separately updated price quote is not the original options snapshot's spot.

Read the timestamp, denominator, unit, instrument and coverage before comparing values. A contract Greek, an OI-weighted exposure, a selected-row subtotal and a whole-book headline are different quantities. Missing inputs remain missing; an observed zero is kept as zero. Historical data must actually exist for the requested date.

Type	Meaning	Boundary
Market observation	A supplied dated quote, contract, level or filing.	Available coverage and reporting lag still apply.

Type	Meaning	Boundary
Archive	An explicitly retained capture.	Missing dates or contracts are not reconstructed.
Estimate or local model	A result from eligible inputs and stated assumptions.	Not a guaranteed quote, observed dealer position or trade instruction.
User scenario	An entered hypothetical shock or held leg.	Not a broker position, forecast or executed order.
Unavailable	Inputs, identity, freshness, rights or access do not pass the view's checks.	Never treated as zero or silently substituted.

Trading involves substantial risk of loss. GEX Levels is an analytical tool, not financial advice. Past market behavior does not guarantee future results.

02 | First session and command navigation

Establish the operating context

Open SET to inspect the licence/session and local preferences. Use DATA and an instrument's COVER view to determine whether its prices, levels, options, history and source routes are available. Check the actual installed version through the application's release information. Keep a record of the version used for research. Opening the Terminal does not prove that a personal feed is connected or that a cached value is current.

Press Ctrl+K to focus the command line. Enter a supported instrument followed by a function, for example **SPY GEX**. Commands are case-insensitive and the parser accepts instrument/function order flexibly. Enter **MACRO** for a function that does not require an instrument. A tile number can direct the result, as in **NQ SURF 3**. These are illustrative navigation examples, not market recommendations.

Functions with needs = symbol use the instrument context. Functions with needs = none can open without one; some still accept a company, date or symbol through their own controls. OPRICE is a manual calculator and should be opened as OPRICE, then supplied with explicit contract assumptions. CRELATED is opened directly or from a company dossier; it does not fetch a commercial network.

Find a function or entity

F1 opens the function launcher. HELP exposes the catalogue, WORDS shows recognized plain-language terms, GLOSS explains terminology and HIST reopens recent commands. Ctrl+P opens the jump palette; Ctrl+M reopens the last function with the same symbol. Universal search can match a company, country, port, commodity or exchange from the indexes actually loaded. Select a ranked result to open its appropriate view. A name match is a navigation aid, not proof of entity identity.

Do not interpret a visible launcher entry as a delivered capability. DEPTH and FLOW open read-only observed-source views; channel prerequisites still apply. AICREDITS is unavailable while prepaid execution is being set up. SECURITY is gated in V1 and does not load account-session or device records. DOM and FOOT have explicit source prerequisites and must not show invented books or prints.

A practical first workflow

1. Open WATCH or MON to choose an instrument from available observations.
2. Open the instrument's INSTR, COVER and DATA views. Resolve stale or absent inputs first.
3. Use GEX, PX, CHAIN and EXP for the price/level/expiry context.
4. Open OPTRESEARCH for options work, or the relevant macro/company/world workflow.
5. Record assumptions in NOTE, save meaningful evidence in RRUNS or DESKREPORT, and verify the exported file.

03 | Workspace, linked windows and accessibility

Arrange a research screen

The workspace uses tiles, split layouts and saved screens. Focus a tile before entering a command. Split right with Ctrl+backslash or down with Ctrl+Shift+backslash; duplicate with Ctrl+D and close with Ctrl+W. Ctrl+Enter maximizes/restores the focused tile. Ctrl+Tab moves to the next tile. Ctrl+L locks/unlocks the arrangement. Ctrl+Shift+E equalizes splits; Ctrl+Z and Ctrl+Shift+Z undo/redo layout edits. These controls operate on layout, not on research or account transactions.

Switch between saved screens with Ctrl+1 through Ctrl+9. Right-click a tile header for its menu, symbol and research-context links. NOTE adds local contextual notes; DASH composes widgets; SPACE provides locally saved notes and tool tiles. Save arrangements that answer a defined question rather than treating the screen itself as a frozen dataset.

Link symbol, research date and expiry

Groups A-D share a symbol and optional UTC research date/expiry. Explicit groups remain isolated from the ordinary global symbol selection. Splits inherit context; screen exports preserve it. Detached windows share local link selections. Changing date/expiry notifies consumers without creating a historical request or changing a valuation clock. Not every panel consumes every context field.

PX and CHAIN can use retained native option-book coordinates when filtered; futures proxies are labelled. OPTPORT applies an expiry to the local payoff selection, disclosing absent held expiries. EVENTS uses the UTC date to filter events. A captured layout opens a new screen and its panels retain their normal data behavior; offline model replay is a distinct operation.

Readable controls

Use SET and ACCESS for interface preferences, colours, font sizing and language where the build exposes them. F2 is the current keyboard reference. Ctrl+F searches within the window. Ctrl+Shift+F enables focus mode. Ctrl+Shift+N creates a note next to the tile. Ctrl+Shift+I prints the focused tile. Esc closes menus or leaves a field. Global Ctrl+Shift+G brings the Terminal forward where OS registration succeeds.

Presentation mode can conceal personal figures in supported views, but a capture can still include private text, titles or other windows. Inspect the entire visible area before saving or sharing. Multi-monitor scaling, unplug/reconnect and restoration need validation on the installed platform; source tests do not replace those checks.

04 | Markets, prices, levels and session context

Start with the instrument and coverage

INSTR provides the served price, level/option context, contract facts and links. WATCH tracks the selected quote universe; MON applies a common construction across the board; SCR highlights cross-sectional outliers. DISCOVER links these views with OVC and INSTR. Ranks organize attention and do not imply expected returns. Quote modes and dates are part of the observation, not a universal real-time guarantee.

PX combines source OHLCV, levels, strike profiles, VWAP and available technical studies on one price axis. SESS gives prior-day, overnight, VWAP-band and expected-move context. PROF is time-at-price market profile and auction context; it must not be mistaken for an exchange volume-at-price or live order book. FUT supplies tick/point/roll facts for futures. Confirm the exact contract, price unit and multiplier before comparing instruments or sizing a position.

Read levels as research references

GEX shows the served level map: walls, flip, zero gamma and focus levels. CHAIN displays supplied strike exposures; LVL organizes available levels and confluence; LEVEL exposes origin, conversion and available expiry attribution. STR and REG provide modelled dealer/regime context. HEDGE and GAMMAFIELD are explicit scenarios; they do not reveal actual dealer inventories or a broker's executable hedging flow.

The current canonical options context retains the selected source, price basis, mode and capture. Complementary data from a different selection is rejected after bounded resynchronization. The options header uses the snapshot actually displayed. A personal L1 quote is separate from the options snapshot's spot. Native strikes must be converted only once; unverified personal-contract overlays are withheld.

Review the session without inventing history

DIFF compares the first retained sample with the current reading; SESSIONDIFF compares two chosen captures. Neither promises an exchange opening observation when it was not archived. STATS summarizes available session ranges and timing. TOUCH reviews observed interactions with levels. REPLAY requires retained level/price history. ANALOG presents similar sessions as anecdotes, and SWEEP examines parameter/tolerance grids against permutation evidence rather than turning a attractive cell into an established edge.

PLAN combines map, calendar and carry. REPORT creates a compact briefing that can be copied as text or picture. A plan and report retain their source limits; they do not convert missing data into a trading instruction.

05 | Options book, Greeks and expiry analytics

Select the evidence before interpreting exposure

EXP shows the available expiry distribution, expected move and skew. OPT is the options cockpit for served term, skew, forward-event premium, pinning and archive tools. OPT0 focuses on available same-day contracts. OVC compares the main option ETF observations; OPTWATCH stores option underlyings. CRYPTO presents the separate BTC/ETH options context when served. None of these entries proves a complete global chain, a maintained tick archive or execution rights.

GREEKS defaults to supplied exposure rows, keeping source signs and units visible. Its explicit local front-expiry model is a different selection. A front-expiry calculation or a selected-row sum is not the total across all expirations. Missing IV can leave an observed exposure available while preventing repricing. Current integration preserves source spot/native strikes and rejects inconsistent conversions or incompatible complement identities.

Delta, gamma, vega, theta, charm, vanna and higher-order sensitivities are conditional quantities. Read their displayed denominator, scaling, time convention and inventory convention. A change in IV by one percentage point is different from a one-percent relative change in IV. A per-contract Greek, a contract-multiplied exposure and an OI-aggregated dealer proxy are different objects. GLOSS and TRUST provide definitions and exclusions.

Distinguish the expiry tools

Tool	What to inspect	Required evidence and limit
MAXPAIN	Call/put intrinsic payout by settlement price, tied minima and OI coverage.	Selected-expiry strikes, types, OI and coverage; a partial known-OI minimum is not a full-chain minimum or forecast.
EXPROFILE	One-expiry GEX bars, delta crossings, IV and range/HV context.	Observed expiry rows; sourced prior close and settlement clock for range; supported closes for HV.
GAMMAFIELD	Repriced European gamma field, gradient and curvature over assumed prices.	Explicit IV/OI, rates, basis and inventory assumptions; fixed inputs, not actual dealer flow.
PRICECONE	Served per-expiry expected-move boundaries.	Compatible expiry/ATM move context; schematic boundaries, not probability bands.
XHEAT	Archived strike-by-expiry exposures and individual details.	Exact retained raw contracts; absent contract fields are not allocated from totals.
WHATIF	Hypothetical price distance to observed fixed levels.	A served level map and user-entered price; does not reprice exposure.

VDESK opens these tools and contextual notes as a linked research screen while preserving the existing screen. Use it to move between price, observed expiry exposure and scenarios without confusing their units or clocks.

06 | Volatility, archives and three-dimensional views

Compare representations explicitly

SURF draws an exposure field; VOL draws a volatility representation; LAB offers alternate renderings of the field. The available modes include lit surface, contour terrain, columns, mesh, radial, volumetric cloud and ribbons. Camera controls provide top/front/side, reset/fit, orbit, pan, zoom and keyboard inspection. The top view is an exact view rather than a perspective approximation. A representation can be navigable while still using an inferred smile or repeated front profile; its source label controls interpretation.

A compact live term representation uses served summary coordinates. An archived raw smile uses retained individual observations. A fitted SSVI surface uses coherent user-supplied European evidence. These do not become interchangeable because all can appear as a surface. Later horizon rows derived from a supplied front profile are not newly observed expiries. Missing raw rows remain missing.

Follow available history

OPTHIST tracks retained option readings; OPTOI examines observed OI/volume/IV/gamma changes; OPTREPLAY reads fields actually archived at the selected time. Raw archive tools inside OPT support term, delta-grid, differences, forward variance and capture-coverage inspection. Inventory entries and raw captures must agree. An absent requested capture is not replaced by the latest one.

FVAR derives adjacent-expiry forward implied volatility from served ATM terms. TROLL, VCARRY and VRPQ expose carry or IV/RV context with stated horizon limits. EVTFX reviews term gaps rather than isolated event variance. SFEAR and SURFQ organize raw dimensions and diagnostics; QFRAG checks quote/snapshot readiness. ORION, DCRM, CLOCK, ENSEMBLE, UQ, EMISM and XGRAV each expose a defined model or convention, not a proprietary consensus forecast. MARKOV estimates transition frequencies from archived observations; VOVV measures archived IV-change dispersion. Short samples and missing states constrain these readings.

RVOL computes supported realized-volatility estimators on supplied bars. CAL evaluates calendar context and safeguards. Never compare different underlyings, horizons, sampling frequencies or return definitions as though they were the same risk measure.

07 | SKEWLAB: observed skew and realized volatility

Read the selected raw book

Open a supported symbol's SKEWLAB. The live view uses the canonical options selection and native underlying coordinates. Compact source summaries remain separately labelled and are accepted only for the same snapshot/selection/mode. The archive view loads the exact selected current/prior captures and checks symbol, clocks, expiry identities and row counts. Locked, stale or inconsistent states remain visible.

Choose source delta with published IV, or retained local spot-model delta with local IV. Source delta does not borrow model delta for missing values. A local basis needs the retained BSM schema, numerical inputs, quote/maturity clocks and compatible settlement/calendar metadata. Undeclared source conventions prevent a harmonized historical comparison. Delta is a signed fraction; the displayed landmarks use absolute 10, 25, 50, 75 and 90 percent.

An exact unique coordinate is used directly. Otherwise the tool interpolates only within compatible observed brackets on the same option side, with valid strike ordering. Missing wings, duplicates, invalid IV/delta or crossed/negative quotes can make a cell unavailable. It never substitutes an unbracketed nearby row or extrapolates. Bracket evidence is a research coordinate, not a tradable contract quote.

RR, BF and historical comparison

RR at delta d equals call IV at $+d$ minus put IV at $-d$. BF at delta d equals the mean of those two IVs minus the compatible spot-ATM IV. Both differences are volatility percentage points. The ATM reference is a spot-strike reference; it is neither FX delta-neutral ATM nor a quoted market strangle. RR can exist while BF is unavailable.

Fixed-expiry changes require compatible symbol, source, basis, expiry, delta/IV convention, maturity clock and calendar metadata. Quote and capture clocks must advance. The same expiry ages between observations, so this is not constant-maturity history. Unknown provenance prevents subtraction instead of creating a plausible change.

Realized volatility and IV/RV context

Read candles explicitly and confirm the interval actually returned. RV uses zero-mean squared log close returns: 100 times the square root of the annualization factor times their mean. Daily choices declare a 252-session or 365-day assumption. Intraday choices declare regular New York hours with eligible short intervals or a continuous-calendar assumption. Gaps, duplicate/invalid closes and unknown granularity withhold RV; missing weekdays are not silently classified as holidays.

The tool reports requested versus observed sample length, completion cutoff, calendar span, gaps and exclusions. IV minus trailing RV is descriptive: future expiry IV and past realized observations have different horizons. The candle completion bound must not exceed the option quote. A historical candle response may reflect revised data; historical vintages are not established.

Prepare selected evidence, then save the local JSON. Allowlisted selected-expiry rows, clock/model metadata and eligible candle closes are retained; other expiries, account fields and arbitrary provider objects are

excluded. Changing controls or data invalidates a prepared export. SHA-256 detects changes but does not authenticate the provider, sign the author or grant rights.

08 | OPRICE: explicit pricing and reproducible receipts

Choose a compatible model

OPRICE is a manual vanilla-option workbench. Enter the model, call/put, source declaration, premium currency, spot or forward, strike, remaining calendar days, annual volatility, continuously compounded rate and continuous yield where applicable. A source label is a declaration, not an authenticated quote. Optional public contract identity, observation time and multiplier are retained as metadata. The entered maturity stays explicit and is not silently inferred from a date field.

Model	Input convention	Supported interpretation
Black-Scholes-Merton	European spot input, annual lognormal IV and continuous yield.	Standard vanilla theoretical premium and supported Greeks.
Black-76	European declared forward input.	Forward valuation; do not apply a second dividend adjustment.
Bachelier normal	Declared forward and normal volatility in price units per square root of year.	Normal model; volatility units differ from lognormal IV percent.
American CRR tree	American spot, bounded tree and continuous-yield assumptions.	Price and tree diagnostics; American Greeks and IV inversion are withheld in this release.

Discrete cash-dividend schedules and unsupported deliverables are rejected. A CRR convergence comparison is a diagnostic, not a guaranteed error bound. Expired maturities or impossible scenarios are refused rather than being valued under a silently substituted model.

Reconcile quotes and explore scenarios

Optional bid/ask premiums permit model IV reconciliation where supported. Entered quotes are assumptions; a bid/ask-implied IV interval is not a statistical confidence interval. Underlying shifts use price units and volatility shifts use the selected model's units. The workbench's relative volatility scenario convention differs from SURFBOOK's parallel volatility-point shock. Read the labels before comparing them.

Prices and Greeks remain per underlying price unit unless expressly labelled otherwise. The optional declared multiplier is metadata in OPRICE and is not automatically applied to its theoretical premium or Greeks. A portfolio tool uses quantities and multipliers separately.

Save, verify and replay

Export calculation JSON or research HTML. The receipt records inputs, declared contract, observation/calculation clocks, model/numerical versions, quote reconciliation, scenario results and limits. Import the saved JSON/HTML, verify the structured payload's SHA-256 and replay the exact supported model. Edited or unsupported versions are rejected. A legacy file can be inspected without being falsely certified as replayed.

For HTML, integrity applies to the embedded structured payload, not the surrounding presentation. A checksum is not a signature or source authentication. Saving is local and sends nothing to a broker. Verify that the dialog reports success and retain a backup before relying on future replay.

09 | SSVI fitting, held positions and OPTRESEARCH

Fit original observations with SVIFIT

Import coherent, timestamped European standard-vanilla observations with continuous-yield semantics. Supply at least three maturities, explicit forward/settlement inputs and five to one thousand distinct strikes in total per maturity, including at least one on each side of its forward. The requirement is five strikes in total, not five per wing. Missing source clocks, inconsistent terms or inadequate common support prevent a usable fit.

The constrained power-law SSVI family uses equally weighted slice IV residuals and checks ATM total variance, sufficient model-consistency bounds, common support and residual quality. Inspect observed IV, fitted IV, residuals and maturity/moneyness diagnostics. A failed gate disables interpolation. Validated support is bounded: do not extrapolate or call an imported research fit a continuously maintained vendor surface.

Reuse the held book through SURFBOOK

From SVIFIT, choose **Use this frozen fit with held positions**, transferring original fit evidence rather than only coefficients. From OPTPORT, choose **Use these explicit held legs with SSVI**. Preserve exact UTC settlement times, quantities, multipliers, rates and contract semantics. Confirm currency and native instrument identity; no MNQ/NQ/QQQ conversion is inferred.

SURFBOOK refits original evidence and uses Black-76 for supported European legs at exact supplied forward/maturity coordinates inside the fit bounds. It reports fitted IV, premium/unit, modelled position value, forward delta and vega per annual IV point. Surface and held-book clocks remain separate. If a leg cannot be priced, the whole-book total is unavailable; a known-leg subtotal remains explicitly partial.

Apply manual forward percent, parallel annual IV-point and elapsed-calendar-day shocks. These use a frozen research curve and declared scenario assumptions. They are not freshly calibrated surfaces, executable marks, broker margin or an inherited arbitrage certification for the shocked surface. Recalculate after edits and export reproducible frozen evidence for replay.

The ten-step OPTRESEARCH workflow

OPTRESEARCH preserves the chosen symbol while opening the existing tools. It organizes evidence rather than copying their datasets or manufacturing a synchronized pipeline.

Step	Tool	Research action
1	GREEKS	Separate the served selected book from the local front-expiry model.
2	VOL	Inspect compact term representation and camera views.
3	XHEAT	Inspect retained raw strike/expiry contracts.
4	SKEWLAB	Review supported delta landmarks, history and observed RV.

Step	Tool	Research action
5	SVIFIT	Fit coherent European evidence and inspect residuals.
6	SURFBOOK	Reprice explicit held legs within surface support.
7	OPRICE	Reconcile a named vanilla model, save and replay its receipt.
8	OPTPORT	Inspect held risk, scenarios and exact snapshots.
9	PNLEX	Explain two marked valuations with cash, fees and residual.
10	DESKREPORT	Freeze available evidence, clocks and limits.

10 | Portfolio risk, sizing and P/L explanation

Separate held risk from market-wide proxies

OPTPORT models locally entered option legs, payoff at expiry and supported risk graphs. It is not a broker-position connection. Enter exact contract semantics, signed quantity, premium, multiplier, costs, source clock and settlement assumptions. Unsupported American exercise, adjusted deliverables, invalid horizons and missing terms remain flagged. RBUCKET groups actually entered risk by expiry, absolute model delta and moneyness; it does not bucket an invented inventory.

PBUILD models a declared stock/ETF budget, weights, sector exposure and available distributions. CORR uses delivered observations for the WATCH universe; correlation is historical and sampling-dependent. SCEN stores user-declared shocks. PORTRISK links allocation, correlation, scenarios and risk-budget tools, without inferring broker balances or fills.

Tool	Use	Required declaration and exclusion
CALC	Convert a declared stop and cost model into size/R context.	Point/tick values and costs; not a broker sizing approval.
RBUDGET	Volatility/expected-move sizing envelope.	Declared risk budget and eligible volatility context.
HCAP	Exposure versus recent reported activity.	Compatible activity data; no executable-liquidity claim.
TAIL	Unpriced tail-structure templates.	Complete missing contract/price terms before portfolio import.
REVSTRESS	Solve a declared linear loss threshold.	Linear shocks/weights; excludes option convexity.
LIQBUD	Cost-aware volatility envelope.	Manually declared cost proxy, not live market impact.
MARGSTRESS	Funding/margin sensitivities.	Entered assumptions, not broker margin or liquidation rules.
HEDGEERR	Discrete delta/gamma rebalance sensitivity.	Declared band and sensitivities, not a fill simulation.
VOLCTRL	One-period target-vol sizing with a gross cap.	Explicit target/input volatility and cap.
CRASHLAD	Compare entered hedge payouts under portfolio shocks.	User-entered payouts, not priced insurance.

Explain observed P/L with PNLEX

Supply two actual marked valuations, open/close quantities, signed trading cash, fees, multiplier and model inputs. PNLEX performs ordered full repricing of opening positions and reconciles price, volatility, time, carry, trading, mark/model residual and fees to the observed result. The attribution is order-dependent. It is not the WHATIF fixed-level screen and is not broker-verified P/L. Expired legs need a settlement ledger; FX and funding effects are not invented.

EVENTLAB compares valid before/after observations for matching maturity, source and basis around a declared event. It can compare supplied historical events, but a term gap or IV change does not isolate causal event variance. VOLSCAN compares term IV, skew, declared RV, gamma concentration and eligible historical readings while retaining missing fields.

11 | Local datasets, analysis, replay and simulation

Import evidence in DATALAB

DATALAB accepts the supported CSV, TSV, JSON and JSONL formats for local research. Confirm delimiter, column types, date/time unit, instrument identity, price basis and missing-value conventions. Inspect validation failures before analysis. It offers column exploration, 2D/3D charts, OHLC checks, local replay and backtesting on your supplied observations. An imported file is untrusted data; it is not executable instructions and does not become a licensed live feed.

ANALYSIS operates on those locally imported datasets: choose columns, add arithmetic formulas, filter observations and save reusable specifications. Verify that a formula references the intended column and units; missing inputs should not become valid zeros. A specification preserves a method, not necessarily a permanently embedded source file.

BTLAB queries point-in-time retained level snapshots for a selected interval. DATALAB historical OHLC rehearsal is a separate data path from served session replay and from PAPER. Confirm which timestamp represents decision time and avoid using observations that became available later. The existence of a backtest does not establish statistical edge or future performance.

POSIM and PAPER have different input contracts

POSIM is a local quote ledger for stocks, futures and option legs. Declare capital, margin assumptions, quotes, multi-leg quantities, bid/ask, fill/partial-fill assumptions and costs. Its auditable export records a simulated ledger. It does not route to a broker and a declared margin figure is not an external margin requirement.

PAPER rehearses trades against eligible displayed quote references. Missing, stale, invalid or mismatched symbol/time blocks fills. Stops use the observed quote rather than an assumed skipped stop price; targets and limits follow their declared local rules. Intraminute touches, actual spread/depth, exchange queues and partial fills are unknown. New fills include declared costs/multiplier; legacy records retain earlier assumptions. A closed trade reaches the account journal only when the operation is confirmed; an unsuccessful send is not a synced entry.

OPS links PLAN, CALC, PAPER, ALERT and JRN. Its title is an operations checklist; there is no live execution, order routing or RFQ facility.

12 | Company filings, ownership and relationships

Build a company dossier with CO

Search an issuer in CO and confirm the matched company identity. The dossier combines available filed facts, valuation/profile evidence, analyst/catalyst context, people and ownership sources. Evidence can be independently unavailable: a failure of company facts should not erase otherwise served ownership or LEI evidence. EQDESK links CO, NET, EARN and FOLLOW into a repeatable company review.

Form 4 filters expose reporting person, transaction code, original/amended filing and inclusive date ranges. Choose transaction date or filing/disclosure date explicitly. The panel retains quantity, acquired/disposed direction, reported post-transaction holding, direct/indirect type, calendar lag and SEC archive link. Rows are a served non-derivative sample, not necessarily unique transactions, people or issuer-wide net ownership changes. Original and amended rows are not automatically offset. A true reported zero is distinct from an unserved value; currency may be absent.

13F views separate reporting-period end from filing date and show available read status, option flags and raw units. The collector predominantly keeps the latest filing per manager. A comparison needs an unambiguous same-CIK pair. Where scale/class/units or prior period are absent, position deltas, entries/exits and a complete holder register cannot be inferred. Schedules 13D/13G preserve type/amendment and source clocks; missing stake percentages/effective dates do not support an invented activism label.

People retain filed officer/director/holder roles, title, source and evidence age. An old filing does not establish a current mandate or departure. Exhibit 21 subsidiaries retain filing age and list limitations. LEI links distinguish accounting consolidation, entity status, registration status and retrieval time; an undated relationship is not newly effective just because it was retrieved today.

Navigate NET without changing the evidence type

NET positions parents, reported beneficial owners and 13F managers upstream of the focal company; subsidiaries and people/industry context appear downstream. Fit uses content bounds; zoom anchors at the pointer; pan and keyboard controls support navigation. Search and paginated lists expose all returned records even when the graph previews a subset. Counts refer to available-source records, not a complete global universe.

Customers/buyers and suppliers/subcontractors have no verified commercial source in this graph. Shared industry classification or peer membership is not a business relationship. Accounting parents, legal subsidiaries, filed ownership and private commercial declarations remain separate. SEC and LEI evidence carry distinct provenance and missing current-status fields.

CRELATED: a private commercial notebook

Open CRELATED directly or use the CO Customers action. A staged issuer from CO takes priority, including issuers outside the ordinary market-symbol list. The default notebook is empty. It never turns SEC, peer, Exhibit 21 or LEI rows into private customer/supplier records.

Each record requires issuer symbol, user-declared corporate counterparty, explicit customer/supplier/subcontractor/partner type from the issuer's perspective, evidence date and public HTTPS source URL. An optional note is limited to one thousand characters. The declaration remains user-declared-unverified. Names, corporate identity, source-page contents and current relationship status are not verified. Evidence age measures age, not truth.

Review and confirm additions, edits, removals and imports. Source URLs reject embedded credentials, query/hash, local/IP hosts and unsupported ports; validation is syntactic, not a page/DNS check. Storage is device-local and separate from the account journal. The bounded validated JSON format rejects unknown fields, duplicate/conflicting identities and invalid values. Import merges eligible new IDs, skips identical IDs and refuses conflicts atomically. Corrupt storage is preserved and reported.

Export the selected issuer with its retained history, or all private notes when the issuer filter is blank. Check actual save success; the review history retains removal events and exported copies provide independent backups. The notebook supports at most one hundred active entries, four hundred review events and a bounded import payload. No scraping, automatic enrichment, public graph or account synchronization is provided.

13 | World, commodities, trade and news

Move from a headline to sourced context

WIRE classifies and filters available headlines by feed/country. MAP places available geographic events and layers on a globe or flat map; NEWS opens the corresponding news-oriented view. A geographic coincidence is not evidence of market causality. GLOBALRISK links WIRE, MAP, FUND, TRADE and CHOKE so the reader can verify a story against physical and economic context.

ENERGY combines power-station reference information and available American inventory observations. FUND organizes weather, gas, oil, trade, carbon, revisions, crops and positioning sources. Reference installed capacity is not current power production; a public production series is not a live field-level register. SUPPLY and MINE describe available producers, concentration, routes and commodity context, not a verified company-to-company customer/supplier graph.

TRADE uses available seaborne-trade observations; PORT examines a selected port's cargo history; CHOKE reviews available strait/chokepoint records. Port cargo classes are not necessarily individual commodities or shipments. CONGEST measures stopped-vessel context from the stream and retained port memory. AIS source geography and subscription coverage constrain the display; an unobserved vessel is not an absent vessel.

Work with mixed frequencies

Trade, inventories, positioning, weather and filed facts have different sampling/reporting calendars. Read the unit, observation date and revisions. A source cache refresh does not change a monthly figure into today's production. Countries, ports, materials, plants and exchanges can be opened through loaded search indexes. Verify exact matches and source links where they are available.

World sources may be public, account-served or key-dependent. The documentation is a source inventory rather than a guarantee of every route's present availability or redistribution terms. DATA displays health and provenance. Do not infer access to paid vessel history, individual shipments, proprietary mine production or a complete commercial supply-chain database.

14 | Macro, rates, events and cross-asset research

Use the correct reporting clock

MACRO organizes available economic readings by section. RATES displays served policy decisions and meeting schedules. EVENTS separates scheduled release time, consensus and actual data when supplied. A surprise needs compatible consensus and actual units; a scheduled bank event with only a date has no invented intraday instant. EARN shows available upcoming earnings and list context; FOLLOW tracks followed-company filings and notifications.

MACROFLOW opens EVENTS, RATES, MACRO and CAL. XASSET links FUT, POS, ENERGY, SUPPLY and CMP. POS shows reported futures participant positioning with its reporting lag and historical context. CMP compares selected instruments through compatible engine readings; matching screen placement alone does not harmonize contracts, currencies or sampling horizons.

VIX displays the Terminal's own variance-index construction next to the published reading when served. Their universe, clock and methodology can differ; a local model must remain labelled as such. CAL investigates calendar effects with statistical safeguards; a selected historical pattern is not a forecast.

Relate events to held exposures

Where supported, EVENTS reviews explicitly imported local option legs against the release/schedule instant and entered settlement time. It assumes those positions remain held through the event. Exposure may continue after a last-trade cutoff until settlement. Unsupported terms remain flagged; an invalid CSV withholds that symbol's review rather than showing zero risk. Gross contract counts are absolute quantities, not comparable cross-contract notional, live balances or event sensitivity.

Record the question, instruments, event clocks and assumptions in NOTE or a frozen research folder. EVENTLAB's matching before/after IV evidence complements the calendar, but it does not identify a causal event premium by itself.

15 | Research folders, reports and exports

Capture an answer that can be checked

RRUNS stores reproducible local research context and frozen dossiers. Calculate an OPTPORT portfolio, give the dossier a question/name if desired and choose **Save to research folder**. A dossier embeds entered positions, contract semantics, carry assumptions, source clocks when supplied, evaluation instant, allowlisted workspace context and build label. Inherited symbols become explicit at capture.

Verify/replay the dossier before using it as evidence. Exact replay and checksums reject edited inputs or results that no longer reproduce. An imported captured layout creates a new screen and does not replace existing screens. Layout navigation can open live data; the frozen model replay is separately offline. Unserved immutable quote/dataset identifiers remain null. A research date does not rewrite the original valuation clock.

The private folder has bounded capacity and per-record/import limits. Export files for backup; layout/profile export does not back up the separate dossier folder. Removal requires confirmation and needs an exported copy for recovery. Corrupt or full storage must not silently overwrite earlier work.

Choose the export for its purpose

Export path	What it preserves	What it does not certify
REPORT text or picture	A readable briefing of available map/indices/events.	Synchronized quotes, trade execution or current vendor completeness.
DESKREPORT PDF and JSON	Classified sections, inputs/context, clocks, limits and checksum evidence.	Provider authenticity or redistribution permission.
OPTPORT / RRUNS snapshot or dossier	Exact model inputs, supported results and reproducibility context.	Actual holdings, broker marks, margin or fills.
OPRICE JSON/HTML receipt	Explicit named-model calculation and replayable structured payload.	Signed author/source, proprietary vendor-equivalent pricing.
SKEWLAB / SURFBOOK JSON	Selected evidence, clocks, support and model results.	A live surface, missing-history reconstruction or execution quote.
CRELATED JSON	Validated private user declarations.	Current verified customer/supplier identity or relationships.
DIAG bundle	Allowlisted redacted runtime/support context.	Permission to include unrelated private data or credentials.

Native save dialogs distinguish success, cancellation and error. A button click or browser save request is not confirmation that a file exists. Reopen the saved artifact and retain necessary input evidence. SHA-256 verifies payload consistency, not trust or commercial rights. Inspect visible-window captures for personal material; presentation mode is not a substitute for reviewing the saved file.

16 | CONNECT: the local API and MCP gateway

Enable only selected datasets

CONNECT starts disabled. With an active Terminal session and working OS credential encryption, explicitly enable the loopback gateway. It binds to 127.0.0.1, uses a stable saved port for that installation and refuses startup when the saved port is unavailable. The access capability is separate from the licence and account session. Reveal/copy it only to the intended local client's secure credential settings. Rotation revokes existing clients; stopping clears shared memory; revocation also invalidates local access.

Attest that you own the chosen dataset or have explicit export rights, including rights to share with your AI provider. Choose a dataset JSON. Nothing is shared automatically. The accepted format is **gex-user-dataset-v1** with id, name, declared columns and scalar rows. Column names and scalar values are validated; secret-like field names, nested arbitrary objects and invalid row types are rejected. Limits include fifty thousand rows, forty columns and bounded payload/page size. Missing values remain null.

Local client setup

Use a local MCP client supporting Streamable HTTP. Copy the displayed MCP endpoint and set the separate Bearer capability in the client's protected credential settings. Saved connection JSON describes the endpoint without credentials; it is not a universal automatic installer or a replacement for the client's configuration. A web-only assistant cannot reach the PC's loopback address. An AI service may transmit the selected rows to its provider, so local connectivity does not imply offline AI processing.

The MCP surface exposes **gex_catalog** to list selected datasets and **gex_dataset** to read one bounded page by id, offset and limit. The supported maximum is five hundred rows per request, with a byte bound that can shorten a page. Follow nextOffset until null. Unsupported methods/arguments return errors; imported text remains untrusted data rather than executable instructions.

The REST surface provides GET /v1/catalog and GET /v1/datasets/<id>?offset=0&limit=500. Authentication, Host/Origin validation and rate limits apply. There are no dataset write routes. The MCP POST transport carries read-only tool calls; it does not authorize data mutation.

Save the provided Python client or Excel Power Query template if appropriate. The Python client prompts privately for the key. Keep Excel's key parameters in a private workbook. Structural validation of a template does not certify it in every Excel installation. Keep the Terminal open for local access.

Explicit boundary

The gateway reads only rights-attested user-selected datasets held for sharing. It is not a vendor API proxy, live quote stream, personal-feed exporter, account browser, filesystem/shell executor, broker connector or order router. It cannot expose upstream licence/session credentials. If OS sealing fails, the connector remains disabled; there is no plaintext fallback. DEVHUB links this gateway with COVER, DATA and DIAG.

17 | CONNECTIONS: personal market data

Coverage and implementation status

CONNECTIONS concerns personal stocks, futures, forex, crypto and index observations: L1 quotes, L2 books and source-supplied bars. It is distinct from CONNECT's dataset export service. It does not subscribe to options, ingest an options chain, grant account access, place orders or export provider flows to MCP/AI.

Provider	Current status	Prerequisites and limitations
Coinbase Exchange	Direct public read-only ticker and level2_batch; the integration note reports a real public L1/L2 verification.	Crypto only; no account key. Current connector supplies quotes/depth, not candle history or trade tape.
Interactive Brokers	Supplied local Python bridge, tested locally.	Customer config, official separately installed SDK, exact contract and personal L1/L2 entitlements; actual account validation remains necessary.
Rithmic, CQG, dxFeed, DTN IQFeed	Provider catalogue and normalized-bridge path.	Approved/entitled adapters and SDK/vendor arrangements pending; no validated native adapter claimed.
Other authorized source	Normalized local ingestion contract.	Source adapter must map actual observations; arbitrary APIs are not automatically compatible.

Rithmic, CQG, dxFeed and DTN IQFeed remain pending provider SDK/access arrangements. Catalogue presence and a normalized ingestion contract do not certify a native adapter, approved entitlements or a live provider connection.

Create and use a profile

Set exact source instrument, chart alias, currency and size units, then confirm local-use rights. Connect explicitly; profiles do not auto-connect on restart. Coinbase receives its public observations directly. Other sources use a separate loopback-only listener and per-profile ingestion key. Keep provider and broker credentials inside their approved applications; do not paste them into a chart or dataset.

In PX, choose the personal source explicitly. Only matching aliases are offered. A disconnect/loss of activation does not silently switch to the standard feed. Quote and book inspection can remain available while bars are absent. Only matching source OHLC is plotted; eligible smaller source bars aggregate only across complete contiguous intervals. Selection changes clear incompatible bars immediately and do not silently fall back to another source or interval. Missing volume stays unavailable. Quotes are not fabricated into candles, and no merged price basis or fake history is provided.

Standard options/level overlays stay separate unless the personal contract's mapping and price basis have been verified. ORDERFLOW, DOM and DEPTH inspect the selected configured source. FOOT and CVD additionally require qualified execution side, continuity and instrument metadata; an L2 subscription alone does not supply them.

IBKR and bridge behavior

The customer configures TWS/IB Gateway's localhost socket and Read-Only API setting, installs the official Python SDK separately, signs into an entitled account and uses exact localSymbol/conId/exchange/currency. The bridge cannot attest or change the broker's read-only setting. Test a paper account with its actual market-data subscriptions first. OPT/FOP and ambiguous identities are rejected; no option feed or orders are included.

Quote/depth callbacks without exchange timestamps are labelled receipt time. Actual market-data mode controls real-time/delayed/frozen labels; an unset sentinel remains unavailable. Optional IBKR five-second MIDPOINT bars are source observations, not executed-trade OHLCV, and have no trade volume. Separate L2 errors stop the bridge instead of implying that L1 rights include depth.

The normalized ingress accepts validated quote/trade/book/bar/status observations on a loopback POST route. Browser Origins are denied. Invalid events reject a batch atomically. Quote replacements leave absent fields null; sequence gaps clear depth until a fresh snapshot. Heartbeats do not refresh quote clocks. Raw observations are in memory rather than uploaded to the site. Keys/profiles are OS-sealed, rotatable and revocable with no plaintext fallback. Personal display rights do not imply redistribution/export rights.

18 | Settings, security, alerts and account workflows

Settings and local-state care

SET exposes licence, window and local-storage controls supported by the build. Layout/preferences are stored separately from sealed credentials. Privileged desktop code handles network requests, credential sealing and file dialogs; the renderer should not receive raw licence/session secrets. Atomic state writes, quarantine and daily backups support recovery, but an export of one store is not a backup of every separate local research/notebook store.

Before restoring or clearing data, export the relevant screens, dossiers and private notes. Confirm exactly which store the action affects. Do not transfer a sealed credential file to another machine expecting it to decrypt. An optional local passphrase/lock is not proof of account MFA, remote device management or a server-session audit. SECURITY remains in development/gated and does not provide those records.

Alerts, notifications and collaboration

ALERT evaluates declared model/level rules with local delivery; NOTIF lists fired notifications and can navigate to the relevant symbol. FOLLOW tracks available filings. ALERTOPS links rules, notifications, filings, wire and events. An alert is a condition report, not an order or recommendation. Closing/suspending the application, missing observations and notification permissions can affect delivery.

JRN is the same account journal used on the website. WORK provides account teams, shared watchlists and data status. REVIEW and COLLAB organize these existing services. Personal NOTE content and CRELATED declarations remain local. Account permissions and explicit sharing determine access; a failed operation must not be described as synced. The unavailable AICREDITS view does not run AI requests, reserve credit or call a provider in the present setup.

Troubleshoot with evidence

Symptom	First check	Safe next action
Blank instrument/options panel	COVER, DATA, licence/session and source/capture availability.	Record exact symbol, requested function, clock and availability reason.
Surface/skew result withheld	Brackets, source/basis conventions, clocks, support and required terms.	Correct evidence or keep the unavailable result; never fill a missing wing.
Personal quote but no PX bars	Selected profile and source bar support.	Use quote/book inspection; obtain real source bars if entitled.
Local gateway cannot start	Active session, OS sealing and saved-port availability.	Resolve the listener conflict and retry explicitly.
Export cancelled or failed	Native dialog result and file existence.	Save again after reviewing scope; do not call it saved prematurely.
Synced journal/team operation fails	Account permission, session and network response.	Preserve the local evidence and verify the account operation.
Old installed version	Installed version versus confirmed platform release.	Follow verified release information; source changes alone do not update it.

DIAG exports an allowlisted redacted support bundle; review it before sharing. TRUST, GOVERNANCE, RELIABILITY, ACCESS and BUSINESS provide methodology, availability and evidence workflows. CHANGELOG describes the available release feed, not proof that every platform has shipped the local source. A useful support report includes version/platform, command/instrument, actual state, timestamp and a clean capture, never a credential.

19 | Complete additions and remaining boundaries

The fifteen documented functional gaps

The current implementation note distinguishes the original competitor-gap review from later local work. This manual does not claim equivalence to any competitor's data coverage or proprietary calculations. It records every local addition described in `desktop/docs/terminal-competitor-gaps-20261004.md` and preserves the external gaps.

Gap	Current local capability	Boundary that remains
1	CO Form 4 filters, dates, amendment/type, quantities, reported holding and source.	Served non-derivative sample; no complete normalized Forms 3/4/5 history or automatic amendment netting.
2	CO returned 13F periods, period/filing clocks and eligible same-CIK date pairs.	Mostly latest-only collector; absent units/classes prevent invented position changes.
3	CO 13D/13G type/amendment filters and precise filing provenance.	No inferred stake percent, effective event, supersession or activism state.
4	CO filed roles, title, recent evidence sorting and age.	A filing is not verification of a current mandate.
5	Exhibit 21 age/status and distinct LEI entity/registration/retrieval metadata.	No current economic-control or complete worldwide-group claim.
6	Sourced SEC concentration text and private CRELATED declarations/import/export.	No verified/exhaustive vendor commercial network or automatic enrichment.
7	Canonical options selection in Greeks, skew, screening, portfolio and reports.	Partial/absent quotes and front-expiry aggregates are not the complete book.
8	SKEWLAB raw/live/archive distinctions and ten-step OPTRESEARCH.	Retained snapshots do not become continuous multi-expiry live coverage.
9	Exact/bracketed delta landmarks, RR10/RR25, BF10/BF25 and evidence.	No wing extrapolation or harmonized source-delta history without conventions.
10	Four explicit OPRICE models, units, assumptions, rejections and scenarios.	No discrete cash dividends, silent American Greeks or proprietary vendor recipe.
11	OPRICE receipts, clocks/versions, checksums and exact supported replay.	Source declaration is unsigned; HTML integrity covers its payload only.
12	OPTPORT-to-SURFBOOK held terms and distinct whole/known-leg values.	No invented currency conversion, broker margin or total with excluded legs.
13	Compatible fixed-expiry skew history and sourced candle RV with horizon checks.	No bought tick history, inferred holiday calendar or constant-maturity premium.

Gap	Current local capability	Boundary that remains
14	SVIFIT original evidence refit, Black-76 held legs and replayable scenarios.	Imported bounded research fit; shocked curves do not inherit fit certification.
15	Existing planning, risk and simulations retained.	Live orders and RFQ intentionally absent.

What completion of local QA establishes

Dedicated notes report numerical regressions, native Electron wide/narrow UI checks, unavailable/stale states, actual saved-file readback and replay verification. Those establish tested behavior, not commercial data rights, vendor approval or platform signing. Windows and Linux 1.5.32 publication is separately verified in this edition; macOS is not newly announced. This edition's own PDF QA verifies catalogue coverage, text, bookmarks and rendered layout separately.

Provider coverage, maintained history, current commercial customer/supplier data, installed platform behavior and confirmed release delivery remain independent requirements. A local feature can be complete within its declared input scope while those external dependencies remain unresolved.

20 | What's new in 1.5.32

A clearer charting workspace

PX puts the chart first. The Studies & options drawer contains a searchable study catalogue, multiple overlays and up to three independently scaled lower-study panes. Each study supports its relevant numeric settings, visibility, colours and line width. Study presets are kept locally for the selected chart/source/instrument; they are not automatically applied to a different feed.

Candles, close line and OHLC rendering share the existing chart. Pan, time zoom, price-axis scaling, auto-price, follow-latest, reset, crosshair and the OHLCV readout remain available. Select 1m, 5m, 15m, 1h, 4h or 1d only when matching source bars are supplied. A quote or an unavailable interval does not become synthetic candle history.

Study family	Available studies	Main interpretation limit
Trend and averages	SMA, EMA, WMA, HMA, Ichimoku and Supertrend.	Warm-up and the chosen seed/displacement conventions matter.
Channels and volatility	Bollinger, Donchian, Keltner and ATR.	Periods refer to supplied bars, not an inferred exchange calendar.
Momentum and direction	RSI, MACD, stochastic, Stoch RSI, ROC, momentum, CCI and ADX/+DI/-DI.	Independent periods and missing-row resets; no automatic trading signal.
Candle-volume studies	OBV, MFI and CMF.	Require actual eligible candle volume; not tape, bid/ask aggression or money-flow observations.

The catalogue contains 25 study keys, including the short/long SMA and EMA presets. Blank, invalid or insufficient inputs produce unavailable/warm-up states, not a invented line. Real gaps break the plotted series.

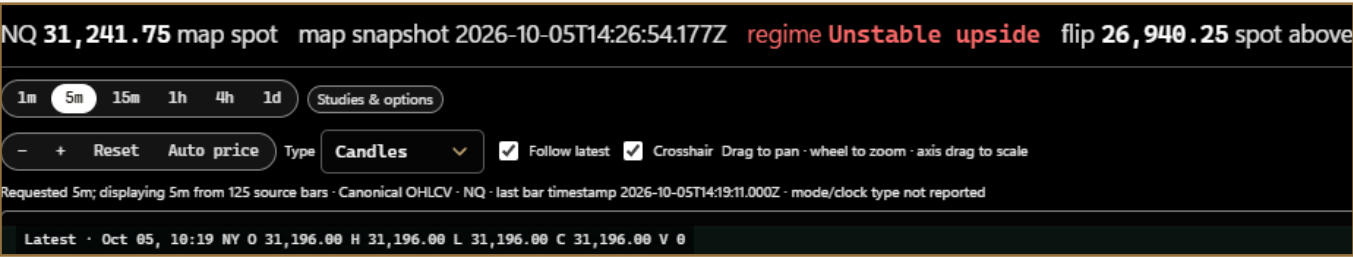
Drawings, measurements and local chart presets

Add a trendline, horizontal ray, rectangle, text or measurement. Edit exact UTC time and price coordinates; use undo/redo and the recoverable local drawing library. Drawings belong to their declared source, instrument, unit and interval. A view preset restores supported chart structure/viewport, while a study preset owns study parameters and styling. Neither imports broker positions or places orders.

Native interface | recorded capture



Enlarged native detail



PX: the real recorded price chart with level overlays and a separate strike-exposure profile. The chart, quote and options map retain their respective clocks.

Source: Recorded authenticated Terminal review. Source/capture clock: Field-specific UTC/source clocks retained in the panel; no common timestamp inferred. Screen recorded: 5 October 2026; exact capture time is not asserted by this document.

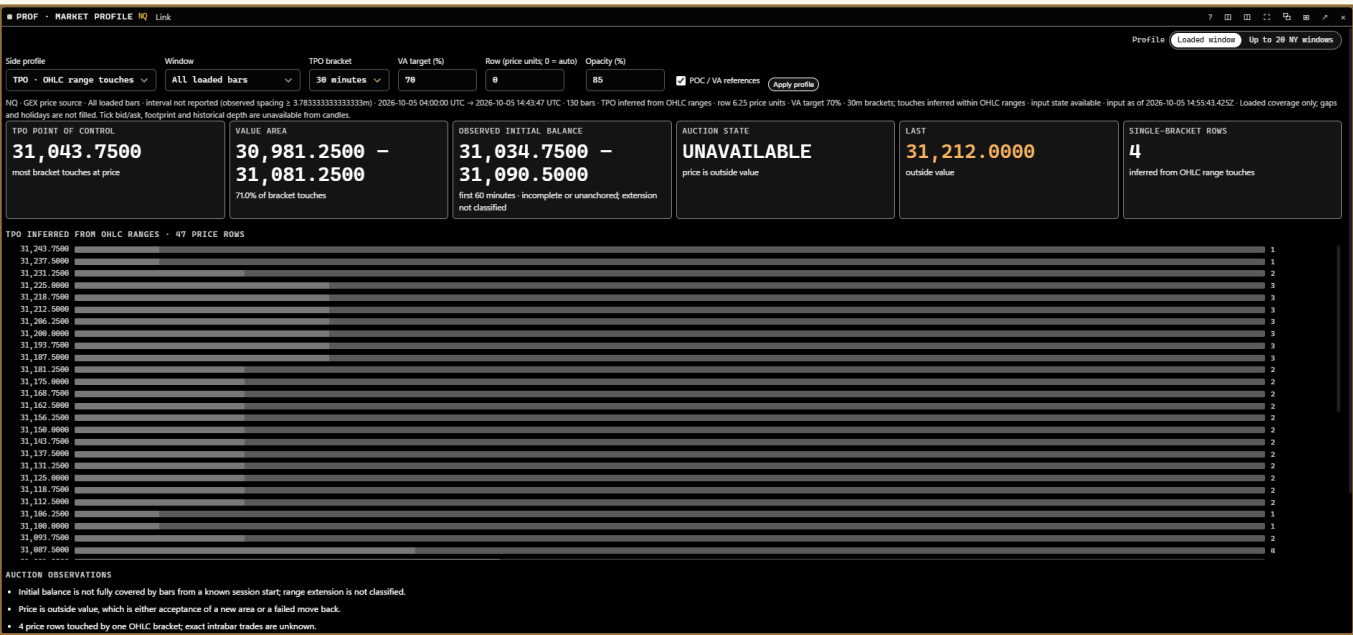
Native panel regions and enlarged details; application chrome and content outside the stated region are excluded. Original pixels are retained.

Profiles on the price axis

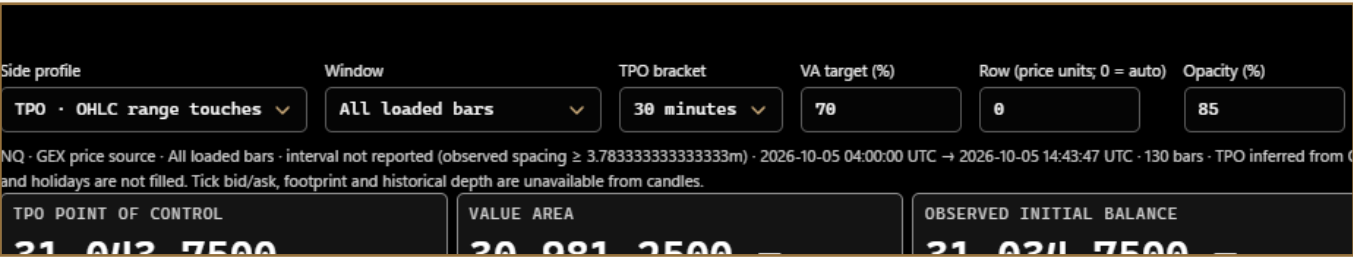
PX and PROF offer TPO time-at-price and an explicitly named OHLCV volume estimate. Choose the loaded window, last UTC day or the explicit New York 09:30-16:00 window; configure 15/30/60-minute brackets, price step, 50-100% value-area coverage, opacity and the PX profile width. Inspect POC, VAL, VAH and eligible initial balance.

TPO counts bar-range touches. The volume estimate distributes each candle's observed volume equally across its touched price rows. It is not execution volume-at-price, an exchange footprint or aggressor flow. Missing/negative volume is excluded and counted; a zero total does not produce a false POC or value area. Linked research dates filter loaded evidence without fabricating historical sessions.

Native interface | recorded capture



Enlarged native detail



PROF: recorded TPO controls and profile geometry for the actually loaded window. Profile coverage and method remain part of the reading.

Source: Recorded authenticated Terminal review. Source/capture clock: Field-specific UTC/source clocks retained in the panel; no common timestamp inferred. Screen recorded: 5 October 2026; exact capture time is not asserted by this document.

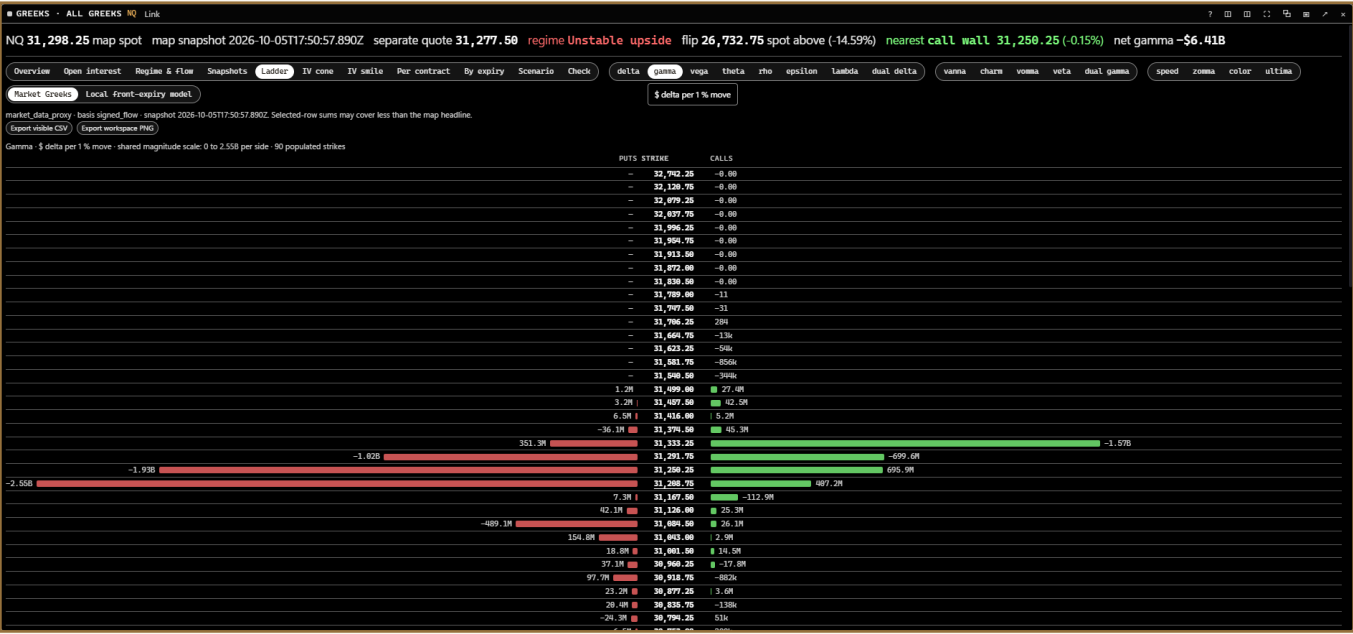
Native panel regions and enlarged details; application chrome and content outside the stated region are excluded. Original pixels are retained.

Options and Greeks that keep their input checks

The main options book remains the reference for its supplied exposures. An absent eligible Greek can use a dated estimate when compatible original option inputs are available; the existing market exposure is not overwritten by a local repricing. Stale, incompatible or incomplete inputs remain unavailable. Higher-order and local-model quantities retain their displayed units and conventions.

Lambda is shown as a per-contract dimensionless quantity when eligible, not added into a misleading market-wide total. Theta and veta require valid maturities and model inputs. The header preserves the map spot and identifies a separate quote rather than treating them as the same observation. This release does not claim a fully supplied live chain at every expiry.

Native interface | recorded capture



Enlarged native detail



GREEKS: real recorded gamma ladder with its selected-book units and headline context. A visible strike-row subtotal is not automatically the all-expiry headline.

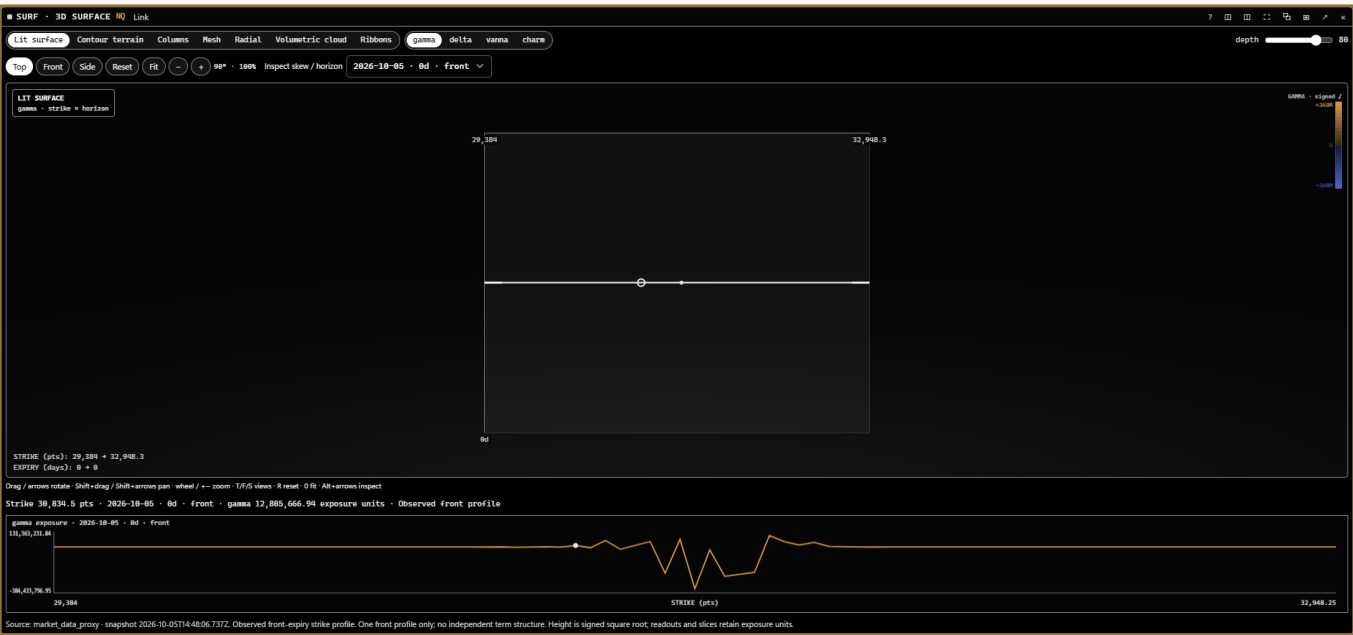
Source: Recorded authenticated Terminal review. Source/capture clock: Field-specific UTC/source clocks retained in the panel; no common timestamp inferred. Screen recorded: 5 October 2026; exact capture time is not asserted by this document.

Native panel regions and enlarged details; application chrome and content outside the stated region are excluded. Original pixels are retained.

The SKEWLAB contract explorer pairs observed calls and puts by native strike. Select a table row or smile point with pointer or keyboard; inspect bid/ask, arithmetic midpoint for valid two-sided quotes, IV, delta, available served Greeks, OI, volume and contract terms. Choose strike or absolute-delta axes. Contract selection clears when source, capture, basis or maturity changes. Unknown contract terms and invalid/crossed quotes are not invented.

SURF, VOL and LAB retain Top, Front, Side, Reset and Fit camera controls, zoom, pan and slice inspection. A missing surface sample stays missing. Different render styles do not create independently observed future expiries or a full historical surface.

Native interface | recorded capture



Enlarged native detail



SURF: recorded top-down inspection of the supplied field. Camera freedom does not enlarge the underlying data coverage.

Source: Recorded authenticated Terminal review. Source/capture clock: Field-specific UTC/source clocks retained in the panel; no common timestamp inferred. Screen recorded: 5 October 2026; exact capture time is not asserted by this document.

Native panel regions and enlarged details; application chrome and content outside the stated region are excluded. Original pixels are retained.

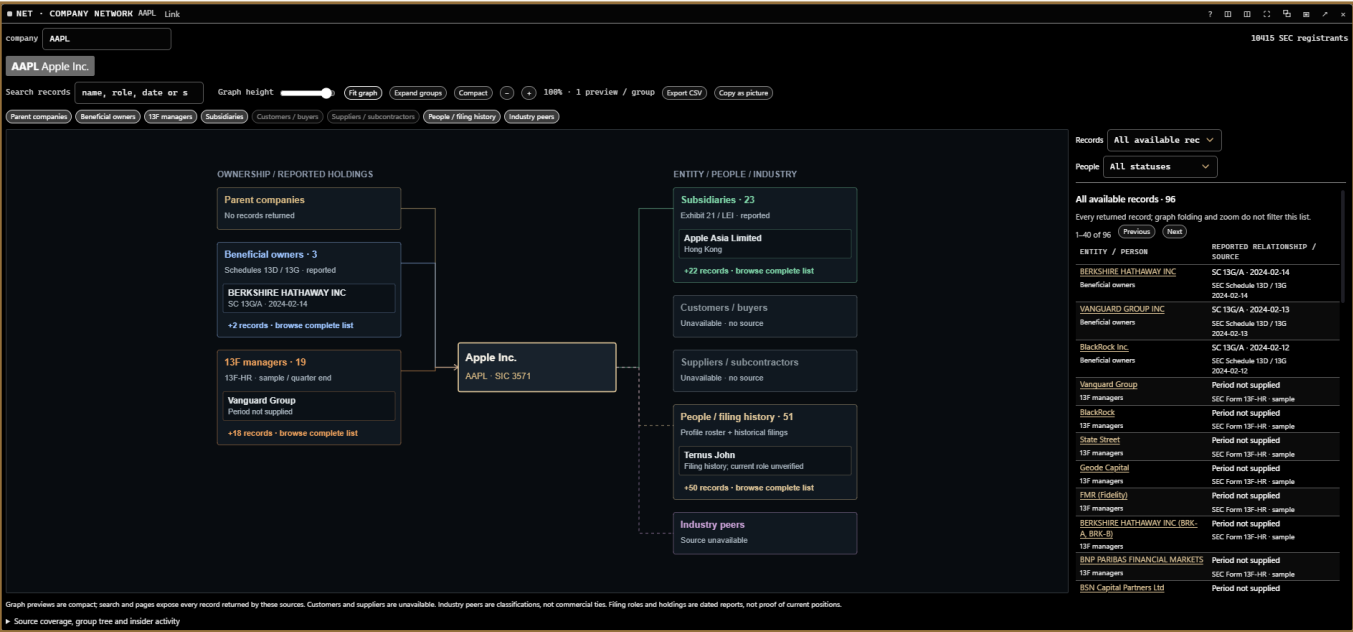
Company research and a usable network

NET keeps the focal company's screen centre, zoom and selected detail when groups are folded or unfolded. Fit is explicit. Source groups, complete paginated lists and individual evidence remain separate from the bounded graph preview. Current automatic supplier/customer relationships are not claimed without a verified source.

COSCAN adds an explicitly selected SEC issuer basket and manually selected comparables. Filter name, reported metric, exact unit, bounds, period end and available served sector; inspect raw values, tags, reporting period, filing and data evidence. Incompatible periods/units and absent observations remain visible. This is not automatically normalized global peers, quarterly history, consensus valuation or a recommendation.

CRELATED adds review states, corroboration citation/reason, evidence history and conflict-safe import/export. Entries remain private user declarations rather than independently verified commercial relations. Deletions are kept in the local review history; exports retain the stated issuer history.

Native interface | recorded capture



Enlarged native detail



NET: real AAPL filed relationship records, expanded groups and evidence lists. Returned records are not a complete current worldwide ownership or commercial network.

Source: Recorded authenticated Terminal review. Source/capture clock: Field-specific UTC/source clocks retained in the panel; no common timestamp inferred. Screen recorded: 5 October 2026; exact capture time is not asserted by this document.

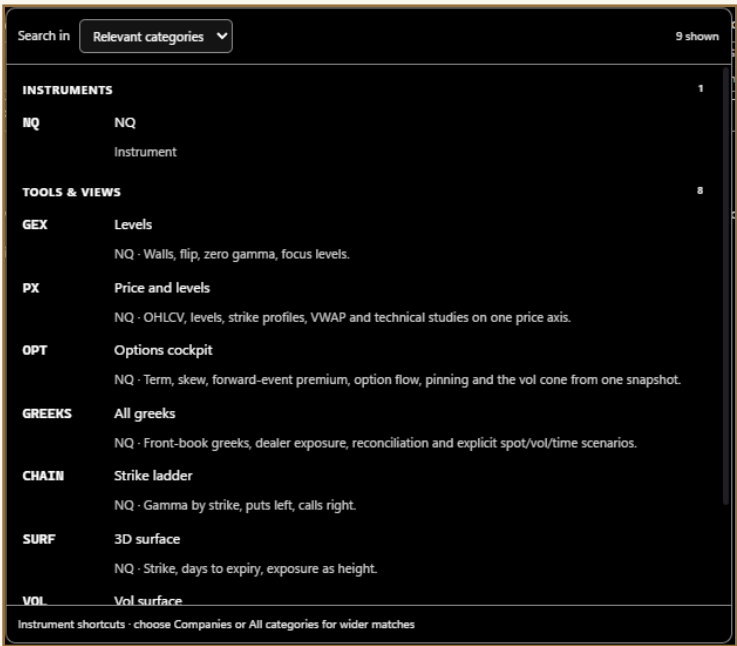
Native panel regions and enlarged details; application chrome and content outside the stated region are excluded. Original pixels are retained.

Less clutter in search and saved screens

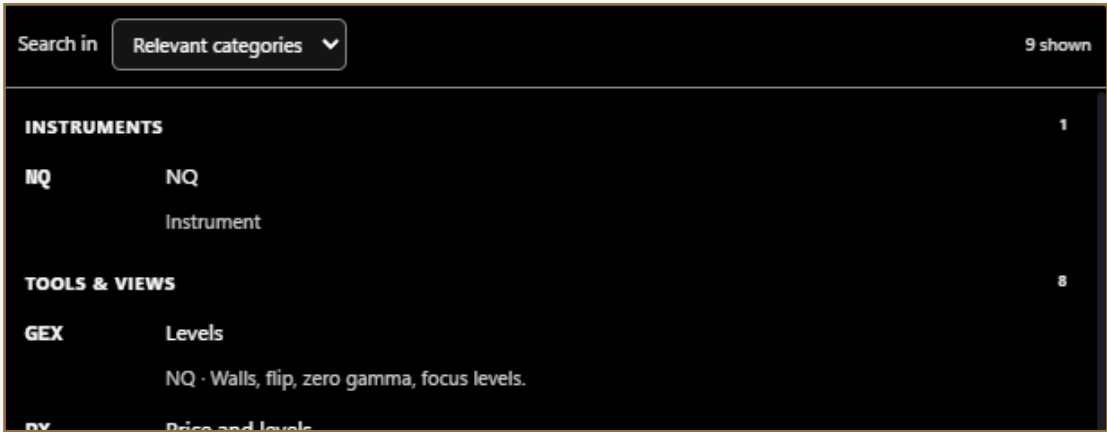
The command search distinguishes categories. NQ prioritizes the instrument and tools; unrelated company-name matches belong to the explicit Companies selection. Select a category before browsing entities, then select the result's identity rather than relying on a partial name. Changing NQ to a price view retains the intended instrument instead of falling back to the previous tile's symbol.

Saved screens support management and duplication while preserving chart references, linked contexts and notes. The company dossier workflow connects existing CO/NET/RELATED views. Large tables retain sorting, source evidence and the complete export rather than silently cutting the dataset to what happens to be visible.

Native interface | recorded capture



Enlarged native detail



Search: recorded 1.5.32 NQ results with categories and instrument-first navigation.

Source: Recorded authenticated Terminal review. Source/capture clock: Field-specific UTC/source clocks retained in the panel; no common timestamp inferred. Screen recorded: 5 October 2026; exact capture time is not asserted by this document.

Native panel regions and enlarged details; application chrome and content outside the stated region are excluded. Original pixels are retained.

Read-only orderflow, with genuine feed prerequisites

ORDERFLOW brings DOM, depth, tape, footprint and CVD into one read-only desk for an explicitly selected configured source. DOM and depth require actual observed L2. Tape requires supplied prints. Footprint/CVD require source-qualified aggressor side and documented complete window coverage; footprint also needs trusted instrument tick metadata. Candles and L1 quotes are not substitutes.

At the release review, a source supplying all the footprint/CVD prerequisites was not configured. Those branches therefore remain data-blocked, not advertised as populated live features. Selecting a tab cannot activate a provider, buy entitlements or place an order. Refresh/pause and bounded tables help inspect available observations without flooding requests.

Clearer account, data and desktop controls

The customer desk consolidates customer records, account/access context, support, requests and email preferences into linked admin workflows. The eligible optional-email audience respects current account status, verification, notification settings and suppressions; selecting it does not send a campaign.

The data view distinguishes missing, delayed, stale, unsupported and access-dependent states. Settings use a more readable responsive layout. The bottom status band no longer hides its text. Repeated unchanged levels use a common snapshot transport and coalesced requests, reducing avoidable transfer without promising a measured percentage saving.

The local gateway remains loopback-only and read-only for selected rights-attested datasets. There is no broker order routing, provider credential export or automatic permission to redistribute market feeds. Unavailable capabilities retain their concrete prerequisite instead of being replaced by fabricated data.

Install and check

Download Windows or Linux 1.5.32 from <https://gex-levels.com/desktop>. Confirm the installed version, review DATA/COVER and select your intended instrument, interval and source. Existing local workspaces should be preserved. Check saved studies and drawings against their original source/unit context before reuse. No new macOS release or live broker execution is announced.

Trading involves substantial risk of loss. GEX Levels is an analytical tool, not financial advice. Past market behavior does not guarantee future results.

Appendix A | Every registered command

The actual registry contains **161 unique commands**. This appendix retains all of them, including preparation and gated entries. Public English labels use neutral provider descriptions; command codes, data requirements and chapter mapping retain the implemented input scope.

Usage examples use SPY solely as an illustrative navigation symbol. Substitute a supported instrument; a function can reject unsupported coverage even when the symbol is recognized. Needs = none means no command-line instrument is required, not that the function requires no inputs.

Group	Registered count
3D	3
Desk	44
Flow	3
Macro	7
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Coverage result: registry 161; documented 161; omitted 0; duplicates 0.

Map | 46 commands

ANALOG | Similar sessions

Field	Reference
Code	ANALOG
English label	Similar sessions
Usage	SPY ANALOG
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Which past sessions looked like today at 10:00, and what they did next. An anecdote, labelled.

Data requirement: Explicit retained level captures and eligible session/price history; missing captures are not filled.

CHAIN | Strike ladder

Field	Reference
Code	CHAIN
English label	Strike ladder
Usage	SPY CHAIN
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Gamma by strike, puts left, calls right.

Data requirement: Compatible instrument prices, native/display units, source clock and served level map; individual fields can be unavailable.

CLOCK | Charm clock

Field	Reference
Code	CLOCK
English label	Charm clock
Usage	SPY CLOCK
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Declared remaining-session sensitivities around the served charm convention; not a hedge-flow forecast.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

CRYPTO | Crypto map

Field	Reference
Code	CRYPTO
English label	Crypto map
Usage	CRYPTO
Needs	none
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: BTC and ETH dealer positioning from Deribit: walls, flip, our zero gamma, DVOL, thirty days.

Data requirement: Served crypto options context for BTC/ETH and available retained history; independent of personal Coinbase quotes.

DCRM | Dispersion risk map

Field	Reference
Code	DCRM
English label	Dispersion risk map
Usage	SPY DCRM
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Index-versus-sector option-volatility dispersion and a proxy implied-correlation reading.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

DIFF | Since the open

Field	Reference
Code	DIFF
English label	Since the open
Usage	SPY DIFF
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Every level's first sample of the day against now, with its path.

Data requirement: Explicit retained level captures and eligible session/price history; missing captures are not filled.

EMISM | Expected-move mismatch

Field	Reference
Code	EMISM
English label	Expected-move mismatch
Usage	SPY EMISM
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Compare straddle, sigma, implied-variance and realised-volatility conventions without a forecast.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

ENSEMBLE | Model ensemble

Field	Reference
Code	ENSEMBLE
English label	Model ensemble
Usage	SPY ENSEMBLE
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Transparent option-model coverage and disagreement board; no blended forecast score.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

EVTFX | Event volatility

Field	Reference
Code	EVTFX
English label	Event volatility
Usage	SPY EVTFX
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Forward event gaps actually priced in the served option term structure.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

EXP | Expiries

Field	Reference
Code	EXP
English label	Expiries
Usage	SPY EXP
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Which expiry weighs the most today: volume share, expected move, skew.

Data requirement: Canonical selected options snapshot: source/basis/mode/capture, actual expiry rows and declared units. Missing fields do not become whole-book totals.

EXPROFILE | Expiry GEX / delta / IV

Field	Reference
Code	EXPROFILE
English label	Expiry GEX / delta / IV
Usage	SPY EXPROFILE
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: One-expiry observed GEX bars, 25 delta crossings, IV profiles, sourced prior-close range and historical volatility.

Data requirement: Observed expiry GEX/delta/IV; sourced prior close and settlement instant for ranges; supported closes for historical volatility.

FVAR | Forward variance

Field	Reference
Code	FVAR
English label	Forward variance
Usage	SPY FVAR
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Adjacent-expiry forward implied volatility from served ATM IV terms; no surface smoothing.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

GAMMAFIELD | Repriced gamma field

Field	Reference
Code	GAMMAFIELD
English label	Repriced gamma field
Usage	SPY GAMMAFIELD
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Explicit fixed-IV/OI European gamma price scenarios, gradient and curvature; not flow or provider volatility trigger.

Data requirement: Explicit European IV/OI, contract terms, rates/forward basis and fixed inventory convention; local scenario only.

GEX | Levels

Field	Reference
Code	GEX
English label	Levels
Usage	SPY GEX
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Walls, flip, zero gamma, focus levels.

Data requirement: Compatible instrument prices, native/display units, source clock and served level map; individual fields can be unavailable.

GREEKS | All greeks

Field	Reference
Code	GREEKS
English label	All greeks
Usage	SPY GREEKS
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Front-book greeks, dealer exposure, reconciliation and explicit spot/vol/time scenarios.

Data requirement: Canonical selected options snapshot: source/basis/mode/capture, actual expiry rows and declared units. Missing fields do not become whole-book totals.

MARKOV | Options Markov regimes

Field	Reference
Code	MARKOV
English label	Options Markov regimes
Usage	SPY MARKOV
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Observed three-state transition frequencies from archived ATM IV and net-gamma snapshots.

Data requirement: Retained option snapshots/chain samples with compatible observation times; unavailable dates and rows stay absent.

MAXPAIN | Expiry payout / Max Pain

Field	Reference
Code	MAXPAIN
English label	Expiry payout / Max Pain
Usage	SPY MAXPAIN
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Call/put intrinsic payout curve by settlement price, tied minima and explicit OI coverage.

Data requirement: Selected-expiry call/put strikes, observed OI and declared chain coverage; partial known-OI payout remains partial.

OPT | Options cockpit

Field	Reference
Code	OPT
English label	Options cockpit
Usage	SPY OPT
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Term, skew, forward-event premium, option flow, pinning and the vol cone from one snapshot.

Data requirement: Canonical selected options snapshot: source/basis/mode/capture, actual expiry rows and declared units. Missing fields do not become whole-book totals.

OPT0 | 0DTE desk

Field	Reference
Code	OPT0
English label	0DTE desk
Usage	SPY OPT0
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Same-day expiry, expected move, pinning and the concentration actually served.

Data requirement: Canonical selected options snapshot: source/basis/mode/capture, actual expiry rows and declared units. Missing fields do not become whole-book totals.

OPTHIST | Options regime

Field	Reference
Code	OPTHIST
English label	Options regime
Usage	SPY OPTHIST
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Rolling own readings of IV, flip, pinning and hedging.

Data requirement: Retained option snapshots/chain samples with compatible observation times; unavailable dates and rows stay absent.

OPTOI | Options OI history

Field	Reference
Code	OPTOI
English label	Options OI history
Usage	SPY OPTOI
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Observed compact-chain OI, volume, IV and net-gamma changes.

Data requirement: Retained option snapshots/chain samples with compatible observation times; unavailable dates and rows stay absent.

OPTREPLAY | Options replay

Field	Reference
Code	OPTREPLAY
English label	Options replay
Usage	SPY OPTREPLAY
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Read the chain-sample fields actually archived at a past session time.

Data requirement: Retained option snapshots/chain samples with compatible observation times; unavailable dates and rows stay absent.

OPTWATCH | Options watchlist

Field	Reference
Code	OPTWATCH
English label	Options watchlist
Usage	OPTWATCH
Needs	none
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Saved option underlyings with their own front IV, skew, carry and expected move.

Data requirement: Canonical selected options snapshot: source/basis/mode/capture, actual expiry rows and declared units. Missing fields do not become whole-book totals.

ORION | Options regime

Field	Reference
Code	ORION
English label	Options regime
Usage	SPY ORION
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: ORION: dealer-pressure, volatility, expiry and event context with explicit input coverage.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

OVC | Options vol board

Field	Reference
Code	OVC
English label	Options vol board
Usage	OVC
Needs	none
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Front IV, skew and IV-versus-RV across the main option ETFs.

Data requirement: Canonical selected options snapshot: source/basis/mode/capture, actual expiry rows and declared units. Missing fields do not become whole-book totals.

PLAN | Session plan

Field	Reference
Code	PLAN
English label	Session plan
Usage	SPY PLAN
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: The map, the calendar and the carry, in order.

Data requirement: Served map, available calendar/carry and explicit user plan; no broker execution.

PX | Price and levels

Field	Reference
Code	PX
English label	Price and levels
Usage	SPY PX
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: OHLCV, levels, strike profiles, VWAP and technical studies on one price axis.

Data requirement: Source OHLCV or declared bars and session reference fields; a quote alone does not supply candle history.

QFRAG | Quote fragility

Field	Reference
Code	QFRAG
English label	Quote fragility
Usage	SPY QFRAG
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Visible option-snapshot readiness checks for missing surface, parity and timestamp fields.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

REG | Regime and flow

Field	Reference
Code	REG
English label	Regime and flow
Usage	SPY REG
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: What the desk has to hedge, and which way.

Data requirement: Compatible instrument prices, native/display units, source clock and served level map; individual fields can be unavailable.

REPLAY | Session replay

Field	Reference
Code	REPLAY
English label	Session replay
Usage	SPY REPLAY
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: A past session bar by bar, the levels as they were.

Data requirement: Explicit retained level captures and eligible session/price history; missing captures are not filled.

SESS | Session map

Field	Reference
Code	SESS
English label	Session map
Usage	SPY SESS
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Prior day, overnight, VWAP bands, expected move.

Data requirement: Source OHLCV or declared bars and session reference fields; a quote alone does not supply candle history.

SFEAR | Surface of Fear

Field	Reference
Code	SFEAR
English label	Surface of Fear
Usage	SPY SFEAR
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Raw ATM level, term, skew, wing and IV-versus-RV dimensions; no fitted surface or score.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

SKEWLAB | Skew / observed volatility research

Field	Reference
Code	SKEWLAB
English label	Skew / observed volatility research
Usage	SPY SKEWLAB
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	07

Function: Bracketed delta landmarks, fixed-expiry archived skew comparisons and sourced trailing RV. Native underlying units, no wing extrapolation.

Data requirement: Canonical raw book or exact compatible archives; source/model delta and IV provenance, observed brackets, valid maturity clocks. RV additionally needs eligible sourced candle closes.

STATS | Session statistics

Field	Reference
Code	STATS
English label	Session statistics
Usage	SPY STATS
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Overnight and RTH ranges, initial balance, hour of the high and low, sixty sessions.

Data requirement: Explicit retained level captures and eligible session/price history; missing captures are not filled.

STR | Dealer structure

Field	Reference
Code	STR
English label	Dealer structure
Usage	SPY STR
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: What the desk has to hedge from here.

Data requirement: Compatible instrument prices, native/display units, source clock and served level map; individual fields can be unavailable.

SURFQ | Surface diagnostics

Field	Reference
Code	SURFQ
English label	Surface diagnostics
Usage	SPY SURFQ
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Raw expiry-surface coverage and consistency checks; no fitted or filled surface.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

SVIFIT | Calibrated IV surface

Field	Reference
Code	SVIFIT
English label	Calibrated IV surface
Usage	SPY SVIFIT
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	09

Function: Constrained European SSVI fit, observed residuals, analytic consistency gates; no extrapolation.

Data requirement: Coherent European original IV evidence: at least three maturities, exact forwards/settlements, 5-1000 distinct strikes per slice, two wings, consistent clocks and bounded support.

SWEEP | Parameter sweep

Field	Reference
Code	SWEEP
English label	Parameter sweep
Usage	SPY SWEEP
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: The touch statistics under every tolerance and horizon, against a permuted grid. Built to kill false edges.

Data requirement: Explicit retained level captures and eligible session/price history; missing captures are not filled.

SYNFWD | Synthetic forward

Field	Reference
Code	SYNFWD
English label	Synthetic forward
Usage	SPY SYNFWD
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Near-ATM put-call-parity consistency and synthetic-forward basis from the served chain.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

TOUCH | Level touches

Field	Reference
Code	TOUCH
English label	Level touches
Usage	SPY TOUCH
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: How the levels behaved when price reached them, session by session.

Data requirement: Explicit retained level captures and eligible session/price history; missing captures are not filled.

TROLL | Term roll and carry

Field	Reference
Code	TROLL
English label	Term roll and carry
Usage	SPY TROLL
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Raw term slope, served carry and forward event gaps, without a calendar P/L claim.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

UQ | Dealer model uncertainty

Field	Reference
Code	UQ
English label	Dealer model uncertainty
Usage	SPY UQ
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Transparent magnitude and sign sensitivities around the served exposure convention.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

VCARRY | Volatility carry

Field	Reference
Code	VCARRY
English label	Volatility carry
Usage	SPY VCARRY
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Served IV-versus-realised-volatility context with explicit horizon matching.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

VOVR | Volatility of volatility

Field	Reference
Code	VOVR
English label	Volatility of volatility
Usage	SPY VOV
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Observed dispersion of archived ATM-IV changes; not a forward vol-of-vol quote.

Data requirement: Retained option snapshots/chain samples with compatible observation times; unavailable dates and rows stay absent.

VRPQ | VRP quality

Field	Reference
Code	VRPQ
English label	VRP quality
Usage	SPY VRPQ
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Implied-versus-realised-volatility context with horizon, event and surface checks; not a return forecast.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

XGRAV | Expiry gravity

Field	Reference
Code	XGRAV
English label	Expiry gravity
Usage	SPY XGRAV
Needs	symbol
Registry group	Map
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Served expiry concentration and pinning conventions with explicit interpretation limits.

Data requirement: Served option term/smile/Greeks and the particular model inputs shown by the view; horizon/convention checks constrain the result.

Markets | 8 commands

DEPTH | Book depth

Field	Reference
Code	DEPTH
English label	Book depth
Usage	DEPTH
Needs	none
Registry group	Markets
Availability	Read-only implemented view; qualified connected-source capabilities required
Workflow chapter	17

Function: Observed current depth from your configured feed; no invented historical heatmap.

Data requirement: An explicitly selected active personal source; DOM/depth need observed L2, tape needs supplied prints, and footprint/CVD need qualified side and complete window coverage. No orders.

FLOW | Trades tape

Field	Reference
Code	FLOW
English label	Trades tape
Usage	FLOW
Needs	none
Registry group	Markets
Availability	Read-only implemented view; qualified connected-source capabilities required
Workflow chapter	17

Function: Observed trades from your configured feed; aggressor statistics require an explicitly qualified side.

Data requirement: An explicitly selected active personal source; DOM/depth need observed L2, tape needs supplied prints, and footprint/CVD need qualified side and complete window coverage. No orders.

LEVEL | Level inspector

Field	Reference
Code	LEVEL
English label	Level inspector
Usage	SPY LEVEL
Needs	symbol
Registry group	Markets
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Inspect level origin, conversion and available expiry attribution.

Data requirement: Compatible instrument prices, native/display units, source clock and served level map; individual fields can be unavailable.

ORDERFLOW | Orderflow desk

Field	Reference
Code	ORDERFLOW
English label	Orderflow desk
Usage	ORDERFLOW
Needs	none
Registry group	Markets
Availability	Read-only implemented view; qualified connected-source capabilities required
Workflow chapter	17

Function: Read-only DOM, depth, tape, qualified footprint and CVD from your selected configured feed.

Data requirement: An explicitly selected active personal source; DOM/depth need observed L2, tape needs supplied prints, and footprint/CVD need qualified side and complete window coverage. No orders.

PRICECONE | Implied-price cone

Field	Reference
Code	PRICECONE
English label	Implied-price cone
Usage	SPY PRICECONE
Needs	symbol
Registry group	Markets
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Per-expiry expected-move boundaries from the served option book; not price forecasts.

Data requirement: Compatible served expiry ATM expected-move data; no missing expiries fabricated and no probability interpretation.

SESSIONDIFF | Session changes

Field	Reference
Code	SESSIONDIFF
English label	Session changes
Usage	SPY SESSIONDIFF
Needs	symbol
Registry group	Markets
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Compare chosen archived level captures; missing observations remain missing.

Data requirement: Explicit retained level captures and eligible session/price history; missing captures are not filled.

WHATIF | Interactive price scenarios

Field	Reference
Code	WHATIF
English label	Interactive price scenarios
Usage	SPY WHATIF
Needs	symbol
Registry group	Markets
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Move a hypothetical price against fixed observed levels without repricing dealer exposure.

Data requirement: Served fixed level map and a user-entered hypothetical price; no exposure repricing.

XHEAT | Strike x expiry exposure

Field	Reference
Code	XHEAT
English label	Strike x expiry exposure
Usage	SPY XHEAT
Needs	symbol
Registry group	Markets
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Inspect real archived contract exposures across strikes and expirations.

Data requirement: Exact retained raw strike/expiry exposure rows and capture identity; absent fields remain unavailable.

3D | 3 commands

LAB | Model lab

Field	Reference
Code	LAB
English label	Model lab
Usage	SPY LAB
Needs	symbol
Registry group	3D
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Seven ways to draw the same field, side by side.

Data requirement: Served front exposure/compact term fields or exact raw archive observations, with representation labels and camera controls.

SURF | 3D surface

Field	Reference
Code	SURF
English label	3D surface
Usage	SPY SURF
Needs	symbol
Registry group	3D
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Strike, days to expiry, exposure as height.

Data requirement: Served front exposure/compact term fields or exact raw archive observations, with representation labels and camera controls.

VOL | Vol surface

Field	Reference
Code	VOL
English label	Vol surface
Usage	SPY VOL
Needs	symbol
Registry group	3D
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: The smile and the term structure as one shape.

Data requirement: Served front exposure/compact term fields or exact raw archive observations, with representation labels and camera controls.

Desk | 44 commands

ANALYSIS | Analysis builder

Field	Reference
Code	ANALYSIS
English label	Analysis builder
Usage	SPY ANALYSIS
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	11

Function: Saved columns, arithmetic formulas and filters on your locally imported observations.

Data requirement: User-imported CSV/TSV/JSON/JSONL data, validated columns/types/units and eligible timestamps/OHLC for replay/backtest.

CALC | Sizing and costs

Field	Reference
Code	CALC
English label	Sizing and costs
Usage	CALC
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: A stop becomes a size; friction becomes an R.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

CORR | Correlation board

Field	Reference
Code	CORR
English label	Correlation board
Usage	CORR
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Delivered correlation between the symbols on WATCH, five-minute returns.

Data requirement: Compatible delivered returns for WATCH instruments and disclosed sample/horizon; no forward correlation.

CRASHLAD | Crash-insurance ladder

Field	Reference
Code	CRASHLAD
English label	Crash-insurance ladder
Usage	CRASHLAD
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Compare user-entered hedge payouts against three declared portfolio shocks.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

CRELATED | Private commercial relationship notes

Field	Reference
Code	CRELATED
English label	Private commercial relationship notes
Usage	CRELATED
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	12

Function: Your source-declared customer, supplier, subcontractor and partner research. Dated public evidence, local only; not a verified or exhaustive vendor supply chain.

Data requirement: Confirmed user-declared corporate counterparty/type, evidence date and valid public HTTPS source; device-local unverified records, no vendor graph.

DASH | Widgets board

Field	Reference
Code	DASH
English label	Widgets board
Usage	DASH
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	03

Function: Compose small widgets on a grid: quote, levels, regime, VIX, next event, clocks, board, headlines, alerts, note.

Data requirement: Local screen/layout and note preferences; widgets separately require their underlying observations.

DATALAB | Local data & backtest

Field	Reference
Code	DATALAB
English label	Local data & backtest
Usage	DATALAB
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	11

Function: Import your own CSV/TSV/JSON/JSONL; explore columns and 2D/3D charts, validate OHLC, replay and backtest locally.

Data requirement: User-imported CSV/TSV/JSON/JSONL data, validated columns/types/units and eligible timestamps/OHLC for replay/backtest.

DESKREPORT | Desk evidence report

Field	Reference
Code	DESKREPORT
English label	Desk evidence report
Usage	SPY DESKREPORT
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	15

Function: Classified snapshot sections, source/model context, checksummed JSON and PDF export.

Data requirement: Served map, available option/session/event sections and user note; each section retains its classification, clock and missing fields.

EVENTLAB | Event volatility lab

Field	Reference
Code	EVENTLAB
English label	Event volatility lab
Usage	SPY EVENTLAB
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Matching maturity IV before/after declared events and supplied historical comparisons.

Data requirement: Declared event instant and compatible before/after observations for the same expiry/source/basis; historical events only if supplied.

FOLLOW | Filings watch

Field	Reference
Code	FOLLOW
English label	Filings watch
Usage	FOLLOW
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Companies followed and their new SEC filings, with a notification.

Data requirement: Local rule definitions and available current observations/filings; app/OS notification permissions and source availability affect delivery.

HCAP | Hedging capacity

Field	Reference
Code	HCAP
English label	Hedging capacity
Usage	SPY HCAP
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Exposure relative to recent reported activity, with no claim about executable liquidity.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

HEDGE | Hedging scenarios

Field	Reference
Code	HEDGE
English label	Hedging scenarios
Usage	SPY HEDGE
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: What the desk has to trade if price moves. An estimate.

Data requirement: Explicit European IV/OI, contract terms, rates/forward basis and fixed inventory convention; local scenario only.

HEDGEERR | Discrete hedge-error grid

Field	Reference
Code	HEDGEERR
English label	Discrete hedge-error grid
Usage	HEDGEERR
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: A local delta-gamma sensitivity grid with a declared rebalance band.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

INSTR | Instrument profile

Field	Reference
Code	INSTR
English label	Instrument profile
Usage	SPY INSTR
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: One stable starting point: served price, levels, option context, contract facts and direct links.

Data requirement: Compatible instrument prices, native/display units, source clock and served level map; individual fields can be unavailable.

JRN | Journal

Field	Reference
Code	JRN
English label	Journal
Usage	JRN
Needs	none
Registry group	Desk
Availability	Account service and permission dependent
Workflow chapter	18

Function: Your account journal: the same synced trades and reviews as gex-levels.com/journal.

Data requirement: Active account session, permissions and available website journal/team services; personal local notes remain separate.

LIQBUD | Cost-aware risk budget

Field	Reference
Code	LIQBUD
English label	Cost-aware risk budget
Usage	LIQBUD
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: A local volatility sizing envelope with an explicit manually declared cost proxy.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

LVL | Level engine

Field	Reference
Code	LVL
English label	Level engine
Usage	SPY LVL
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Every level we hold, from every source, then confluence.

Data requirement: Compatible instrument prices, native/display units, source clock and served level map; individual fields can be unavailable.

MARGSTRESS | Funding and margin grid

Field	Reference
Code	MARGSTRESS
English label	Funding and margin grid
Usage	MARGSTRESS
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: User-declared funding and margin sensitivities; not a broker margin calculation.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

MON | Monitor

Field	Reference
Code	MON
English label	Monitor
Usage	MON
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: The board: every symbol, one construction.

Data requirement: Served quote/level observations for the chosen comparison universe; clocks and coverage must be comparable.

NOTE | Desk note

Field	Reference
Code	NOTE
English label	Desk note
Usage	NOTE
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	03

Function: A sticky note per screen, saved as you type, with the arrangement.

Data requirement: Local screen/layout and note preferences; widgets separately require their underlying observations.

OPRICE | Option pricing workbench

Field	Reference
Code	OPRICE
English label	Option pricing workbench
Usage	OPRICE
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	08

Function: Explicit BSM, Black-76, normal or American-tree valuation; quote IV reconciliation and auditable local scenarios.

Data requirement: Explicit vanilla contract/model inputs, rate, yield, maturity, volatility units, currency and source declaration; optional entered quotes. No market data is inferred.

OPTPORT | Options portfolio

Field	Reference
Code	OPTPORT
English label	Options portfolio
Usage	SPY OPTPORT
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Local option legs, expiry payoff and risk graph. No broker connection.

Data requirement: Locally entered held option legs, quantities/multipliers, premiums/costs, explicit contract semantics and eligible model inputs; no live broker positions.

PAPER | Paper trading

Field	Reference
Code	PAPER
English label	Paper trading
Usage	SPY PAPER
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	11

Function: Rehearse on quote references: market orders, stops, targets, P&L, a closed trade sent to your journal.

Data requirement: Eligible matching timestamped displayed quote and declared fill/cost rules; stale/missing evidence blocks local fills.

PBUILD | Portfolio builder

Field	Reference
Code	PBUILD
English label	Portfolio builder
Usage	PBUILD
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Your budget, stock/ETF weights, sector exposure and latest available distributions. No order execution.

Data requirement: Declared allocation/budget/weights and available reference distributions; no account balances or orders.

PNLEX | Observed P/L explain

Field	Reference
Code	PNLEX
English label	Observed P/L explain
Usage	SPY PNLEX
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Two marked valuations, trading cash, ordered full repricing, fees and explicit residuals.

Data requirement: Two sourced marked valuations, open/close quantities, signed trading cash, multiplier, fees and supported model inputs; residual and attribution order retained.

POSIM | Position simulator

Field	Reference
Code	POSIM
English label	Position simulator
Usage	POSIM
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	11

Function: Local stock/futures/options quote ledger: capital, declared margin, multi-leg orders, bid/ask partial fills, costs and auditable export. Not broker execution.

Data requirement: Declared local capital, contract terms, quotes, bid/ask, quantities, cost and margin/fill assumptions; simulated ledger only.

PROF | Market profile

Field	Reference
Code	PROF
English label	Market profile
Usage	SPY PROF
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Time at price, value area, initial balance, auction state.

Data requirement: Source OHLCV or declared bars and session reference fields; a quote alone does not supply candle history.

RBUCKET | Position risk buckets

Field	Reference
Code	RBUCKET
English label	Position risk buckets
Usage	SPY RBUCKET
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Held-position expiry x absolute delta x moneyness buckets in OPTPORT.

Data requirement: Locally entered held option legs, quantities/multipliers, premiums/costs, explicit contract semantics and eligible model inputs; no live broker positions.

RBUDGET | Volatility risk budget

Field	Reference
Code	RBUDGET
English label	Volatility risk budget
Usage	SPY RBUDGET
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: A transparent volatility and expected-move sizing envelope from a declared risk budget.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

REPORT | Morning report

Field	Reference
Code	REPORT
English label	Morning report
Usage	SPY REPORT
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	15

Function: One page: the map, the desk's own indices, the day's events. Copy as text or picture.

Data requirement: Served map, available option/session/event sections and user note; each section retains its classification, clock and missing fields.

REVSTRESS | Reverse stress threshold

Field	Reference
Code	REVSTRESS
English label	Reverse stress threshold
Usage	REVSTRESS
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Solve a user-declared linear loss threshold; excludes option convexity and broker constraints.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

RRUNS | Research runs

Field	Reference
Code	RRUNS
English label	Research runs
Usage	SPY RRUNS
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	15

Function: Local, reproducible context captures: instrument, workspace, version and timestamp. No credentials.

Data requirement: Eligible local research context or frozen calculated option dossier; exact input/clock/version evidence and integrity/replay validation.

RVOL | Realised volatility

Field	Reference
Code	RVOL
English label	Realised volatility
Usage	SPY RVOL
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	06

Function: Five estimators on the same bars, and what the chain charges.

Data requirement: Eligible timestamped source bars and explicit estimator/annualization conventions; not a matched future IV outcome.

SCEN | Scenario library

Field	Reference
Code	SCEN
English label	Scenario library
Usage	SPY SCEN
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Named local shock vectors for price, IV, correlation, rates and liquidity. Assumptions, not forecasts.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

SCR | Screener

Field	Reference
Code	SCR
English label	Screener
Usage	SCR
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: What stands out against the rest of the board.

Data requirement: Served quote/level observations for the chosen comparison universe; clocks and coverage must be comparable.

SPACE | Blank workspace

Field	Reference
Code	SPACE
English label	Blank workspace
Usage	SPACE
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	03

Function: Your own notes and tool tiles. Saved locally with the screen; no live orders or executable content.

Data requirement: Local screen/layout and note preferences; widgets separately require their underlying observations.

STRAT | Structures

Field	Reference
Code	STRAT
English label	Structures
Usage	SPY STRAT
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	11

Function: Priced on our chain, anchored on the map.

Data requirement: Served option chain, eligible contract prices and map context; a research structure is not an executable broker order.

SURFBOOK | Surface / held-position research

Field	Reference
Code	SURFBOOK
English label	Surface / held-position research
Usage	SPY SURFBOOK
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	09

Function: Explicit SSVI fit -> European held legs with contract/source clocks, forward/IV/time scenarios and reproducible evidence. No extrapolation or live marks.

Data requirement: Original usable SSVI evidence plus declared European held legs, exact supplied maturity, quantity/multiplier, rate, currency and source clocks.

TAIL | Tail hedge lab

Field	Reference
Code	TAIL
English label	Tail hedge lab
Usage	SPY TAIL
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Unpriced local structure templates to complete and import into the options portfolio.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

VDESK | Visual options desk

Field	Reference
Code	VDESK
English label	Visual options desk
Usage	SPY VDESK
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	05

Function: Open linked price, expiry exposure, scenarios and notes; saved research layouts.

Data requirement: Existing linked tool inputs and local layout/context; each child view retains its own data prerequisites.

VOLCTRL | Volatility-control sizing

Field	Reference
Code	VOLCTRL
English label	Volatility-control sizing
Usage	VOLCTRL
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: A one-period local target-volatility sizing rule with an explicit gross cap.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

VOLSCAN | Relative volatility screener

Field	Reference
Code	VOLSCAN
English label	Relative volatility screener
Usage	SPY VOLSCAN
Needs	symbol
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Term IV, skew, declared RV, gamma concentration and comparable historical observations.

Data requirement: Canonical served or supplied comparable term IV/skew, declared RV, eligible gamma rows and historical observations; missing metrics stay unavailable.

WATCH | Quote board

Field	Reference
Code	WATCH
English label	Quote board
Usage	WATCH
Needs	none
Registry group	Desk
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Market quotes for your list, free for everyone: last, change, range, volume.

Data requirement: Served quote/level observations for the chosen comparison universe; clocks and coverage must be comparable.

WORK | Shared workspace

Field	Reference
Code	WORK
English label	Shared workspace
Usage	WORK
Needs	none
Registry group	Desk
Availability	Account service and permission dependent
Workflow chapter	18

Function: Teams, shared watchlists and data status synced with your website account.

Data requirement: Active account session, permissions and available website journal/team services; personal local notes remain separate.

World | 16 commands

CHOKES | Chokepoints

Field	Reference
Code	CHOKES
English label	Chokepoints
Usage	CHOKES
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: The twelve straits world trade has no way around, and what goes through them.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

CO | Company

Field	Reference
Code	CO
English label	Company
Usage	CO
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	12

Function: Search a company: what it filed, what it is worth, what analysts expect, where it operates.

Data requirement: Matched issuer and available SEC filings/facts plus separately served company/profile/LEI context; exact source/reporting clocks and coverage limits.

CONGEST | Port congestion

Field	Reference
Code	CONGEST
English label	Port congestion
Usage	CONGEST
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Hulls stopped near each port, from the vessel stream, against the port's own month.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

COSCAN | Company screener

Field	Reference
Code	COSCAN
English label	Company screener
Usage	COSCAN
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	12

Function: Explicit SEC company basket, reported fundamentals, source evidence and manually selected comparables.

Data requirement: Explicit SEC issuer basket, available reported fundamentals and exact tag/unit/period comparisons; no invented peer valuation or quarterly history.

EARN | Earnings ahead

Field	Reference
Code	EARN
English label	Earnings ahead
Usage	EARN
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Who reports in the next ten days, when, the consensus, and your lists marked.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

ENERGY | Energy

Field	Reference
Code	ENERGY
English label	Energy
Usage	ENERGY
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Every power station of 25 MW and up, and the weekly American inventories.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

EVENTS | Economic calendar

Field	Reference
Code	EVENTS
English label	Economic calendar
Usage	EVENTS
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: What is released, when, the consensus, and the surprise once it lands.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

FUND | Global fundamentals

Field	Reference
Code	FUND
English label	Global fundamentals
Usage	FUND
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Weather shocks, EU gas, global oil, trade, carbon, revisions, crops and bank positioning.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

MAP | World map

Field	Reference
Code	MAP
English label	World map
Usage	MAP
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Globe or flat, with headlines, fires, quakes, hazards and vessels.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

MINE | Materials

Field	Reference
Code	MINE
English label	Materials
Usage	MINE
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Who produces a commodity, how concentrated it is, and how it ships.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

NET | Company network

Field	Reference
Code	NET
English label	Company network
Usage	NET
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	12

Function: What a company owns, who runs it, who declared a stake in it, and who it is measured against.

Data requirement: Matched issuer and available SEC filings/facts plus separately served company/profile/LEI context; exact source/reporting clocks and coverage limits.

NEWS | World news

Field	Reference
Code	NEWS
English label	World news
Usage	NEWS
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: The same map, opened on the wire.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

PORT | One port

Field	Reference
Code	PORT
English label	One port
Usage	PORT
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: A port's own two years of cargo, what it handles, and what crude landed there.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

SUPPLY | Supply chain

Field	Reference
Code	SUPPLY
English label	Supply chain
Usage	SUPPLY
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Where a commodity comes from and where it goes: producers, routes, storage and the chokepoints between them.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

TRADE | Seaborne trade

Field	Reference
Code	TRADE
English label	Seaborne trade
Usage	TRADE
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Daily cargo tonnage and port calls by country, measured from satellite AIS.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

WIRE | The wire

Field	Reference
Code	WIRE
English label	The wire
Usage	WIRE
Needs	none
Registry group	World
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Every headline, classified by rule, filterable by country and feed.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

Macro | 7 commands

CAL | Calendar studies

Field	Reference
Code	CAL
English label	Calendar studies
Usage	CAL
Needs	none
Registry group	Macro
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Ten years, and the test that keeps it honest.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

CMP | Compare

Field	Reference
Code	CMP
English label	Compare
Usage	CMP
Needs	none
Registry group	Macro
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Two instruments side by side, read through the same engine so the numbers are comparable.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

FUT | Futures specs

Field	Reference
Code	FUT
English label	Futures specs
Usage	FUT
Needs	none
Registry group	Macro
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Tick, point value, and the roll.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

MACRO | Macro desk

Field	Reference
Code	MACRO
English label	Macro desk
Usage	MACRO
Needs	none
Registry group	Macro
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Every macro reading behind the map, section by section.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

POS | Futures positioning

Field	Reference
Code	POS
English label	Futures positioning
Usage	POS
Needs	none
Registry group	Macro
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Who is long and who is short, by participant category, against its own history.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

RATES | Policy rates

Field	Reference
Code	RATES
English label	Policy rates
Usage	RATES
Needs	none
Registry group	Macro
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Where every central bank has set its rate, when it moved, when it meets.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

VIX | Our VIX

Field	Reference
Code	VIX
English label	Our VIX
Usage	VIX
Needs	none
Registry group	Macro
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Our variance index next to the published one.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

Flow | 3 commands

DOM | Book ladder

Field	Reference
Code	DOM
English label	Book ladder
Usage	DOM
Needs	none
Registry group	Flow
Availability	Read-only implemented view; qualified connected-source capabilities required
Workflow chapter	17

Function: Read-only observed L2 from your selected configured feed, with source clocks and scoped depth coverage.

Data requirement: An explicitly selected active personal source; DOM/depth need observed L2, tape needs supplied prints, and footprint/CVD need qualified side and complete window coverage. No orders.

FOOT | Footprint

Field	Reference
Code	FOOT
English label	Footprint
Usage	FOOT
Needs	none
Registry group	Flow
Availability	Read-only implemented view; qualified connected-source capabilities required
Workflow chapter	17

Function: Observed execution bins only when the selected source supplies qualified aggressor side, continuity and instrument tick metadata.

Data requirement: An explicitly selected active personal source; DOM/depth need observed L2, tape needs supplied prints, and footprint/CVD need qualified side and complete window coverage. No orders.

OF | Orderflow satellite

Field	Reference
Code	OF
English label	Orderflow satellite
Usage	SPY OF
Needs	symbol
Registry group	Flow
Availability	Connection-dependent analytical frame
Workflow chapter	17

Function: Venues and sessions on the globe. The frame the tape will be drawn on.

Data requirement: The legacy analytical frame requires its own licensed book/tape wiring; personal CONNECTIONS L2 does not certify DOM/FOOT integration. No simulated observations.

Workflow | 21 commands

ACCESS | Accessibility & trust

Field	Reference
Code	ACCESS
English label	Accessibility & trust
Usage	ACCESS
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Interface settings, glossary, command discovery and methodology.

Data requirement: Local interface/licence/storage settings and OS facilities; no secrets included in this manual or exports.

AICREDITS | Prepaid AI workspace

Field	Reference
Code	AICREDITS
English label	Prepaid AI workspace
Usage	AICREDITS
Needs	none
Registry group	Workflow
Availability	Unavailable; execution setup pending
Workflow chapter	18

Function: Not available while prepaid execution is being set up.

Data requirement: Unavailable while prepaid AI execution is being set up; no executable request, provider call or credit reservation.

ALERTOPS | Alert operations

Field	Reference
Code	ALERTOPS
English label	Alert operations
Usage	ALERTOPS
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Rules, notifications, filings, headlines and scheduled events.

Data requirement: Local rule definitions and available current observations/filings; app/OS notification permissions and source availability affect delivery.

BTLAB | Backtest lab

Field	Reference
Code	BTLAB
English label	Backtest lab
Usage	SPY BTLAB
Needs	symbol
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	11

Function: Query point-in-time archived level snapshots over a selected date range.

Data requirement: Point-in-time archived level snapshots for the selected date interval; archive availability controls coverage.

BUSINESS | Business evidence room

Field	Reference
Code	BUSINESS
English label	Business evidence room
Usage	BUSINESS
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Reproducible product, operations and reporting evidence.

Data requirement: Current transport/cache/endpoint coverage or allowlisted redacted diagnostics and methodology context; no inferred missing source fields.

COLLAB | Shared desk

Field	Reference
Code	COLLAB
English label	Shared desk
Usage	COLLAB
Needs	none
Registry group	Workflow
Availability	Account service and permission dependent
Workflow chapter	18

Function: Account teams, shared watchlists and scoped personal records.

Data requirement: Active account session, permissions and available website journal/team services; personal local notes remain separate.

CONNECT | API / MCP gateway

Field	Reference
Code	CONNECT
English label	API / MCP gateway
Usage	CONNECT
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	16

Function: Local MCP, Excel, Python and script access to explicitly shared datasets; separate OS-encrypted capability, no provider proxy.

Data requirement: Active desktop session, OS-sealed separate capability and explicitly selected rights-attested scalar dataset JSON; local compatible client, no vendor flow.

DEVHUB | Developer hub

Field	Reference
Code	DEVHUB
English label	Developer hub
Usage	DEVHUB
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	16

Function: Scoped API access, coverage, data health and redacted diagnostics.

Data requirement: Active desktop session, OS-sealed separate capability and explicitly selected rights-attested scalar dataset JSON; local compatible client, no vendor flow.

DISCOVER | Discovery desk

Field	Reference
Code	DISCOVER
English label	Discovery desk
Usage	DISCOVER
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	04

Function: Screen, compare and open explainable market outliers.

Data requirement: Served quote/level observations for the chosen comparison universe; clocks and coverage must be comparable.

EQDESK | Company dossier

Field	Reference
Code	EQDESK
English label	Company dossier
Usage	EQDESK
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	12

Function: Filings, relationships, catalysts and follow-up in one equity workflow.

Data requirement: Matched issuer and available SEC filings/facts plus separately served company/profile/LEI context; exact source/reporting clocks and coverage limits.

GLOBALRISK | Global risk radar

Field	Reference
Code	GLOBALRISK
English label	Global risk radar
Usage	GLOBALRISK
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	13

Function: Headlines, geography, fundamentals, trade and chokepoints in one process.

Data requirement: Available public/account-served geographic, physical or news observations and source-specific dates/units/coverage; some routes need authorized keys.

GOVERNANCE | Data trust centre

Field	Reference
Code	GOVERNANCE
English label	Data trust centre
Usage	GOVERNANCE
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Availability, lineage, model definitions and support evidence.

Data requirement: Current transport/cache/endpoint coverage or allowlisted redacted diagnostics and methodology context; no inferred missing source fields.

MACROFLOW | Event risk board

Field	Reference
Code	MACROFLOW
English label	Event risk board
Usage	MACROFLOW
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: A repeatable macro, policy-rate and scheduled-event review.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

MICRO | Microstructure gateway

Field	Reference
Code	MICRO
English label	Microstructure gateway
Usage	SPY MICRO
Needs	symbol
Registry group	Workflow
Availability	Connection-dependent analytical frame
Workflow chapter	17

Function: Quote readiness, venues and explicit book/tape connection boundaries.

Data requirement: The legacy analytical frame requires its own licensed book/tape wiring; personal CONNECTIONS L2 does not certify DOM/FOOT integration. No simulated observations.

OPS | Trade operations

Field	Reference
Code	OPS
English label	Trade operations
Usage	SPY OPS
Needs	symbol
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	11

Function: Plan, size, rehearse, monitor and journal without broker routing.

Data requirement: The existing plan, sizing, paper-rehearsal, alert and account-journal tools; each retains its own required observations and permissions.

OPTRESEARCH | Options research workflow

Field	Reference
Code	OPTRESEARCH
English label	Options research workflow
Usage	SPY OPTRESEARCH
Needs	symbol
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	09

Function: Canonical served options -> archived raw smiles -> coherent fit -> held risk -> reproducible model receipts. Sources and clocks remain separate.

Data requirement: The ten existing tools and their separate data contracts; selected symbol preserved, no fabricated synchronized feed.

PORTRISK | Portfolio risk console

Field	Reference
Code	PORTRISK
English label	Portfolio risk console
Usage	PORTRISK
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	10

Function: Allocation, correlation, stress scenarios and explicit risk budgets.

Data requirement: User-declared shocks, budgets, sensitivities, cost/funding proxies or hedge payouts as labelled by the specific lab; no broker margin or executable liquidity.

RELIABILITY | Reliability centre

Field	Reference
Code	RELIABILITY
English label	Reliability centre
Usage	RELIABILITY
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Connection, cache, history, release and offline-state checks.

Data requirement: Current transport/cache/endpoint coverage or allowlisted redacted diagnostics and methodology context; no inferred missing source fields.

REVIEW | Review centre

Field	Reference
Code	REVIEW
English label	Review centre
Usage	REVIEW
Needs	none
Registry group	Workflow
Availability	Account service and permission dependent
Workflow chapter	18

Function: The synced website journal and a repeatable post-session review.

Data requirement: Active account session, permissions and available website journal/team services; personal local notes remain separate.

SECURITY | Account security centre · In development

Field	Reference
Code	SECURITY
English label	Account security centre · In development
Usage	SECURITY
Needs	none
Registry group	Workflow
Availability	Gated in V1; in development
Workflow chapter	18

Function: Gated in V1; no account-session or device data is loaded.

Data requirement: Gated in V1 / in development; no account-session or device records loaded.

XASSET | Cross-asset matrix

Field	Reference
Code	XASSET
English label	Cross-asset matrix
Usage	XASSET
Needs	none
Registry group	Workflow
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	14

Function: Futures facts, positioning, physical context, supply and comparisons.

Data requirement: Served macro/rate/positioning/event/earnings series or contract references; preserve reporting lag, calendar, source and model labels.

System | 13 commands

ALERT | Alerts

Field	Reference
Code	ALERT
English label	Alerts
Usage	SPY ALERT
Needs	symbol
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: A rule engine over the model. Local delivery only.

Data requirement: Local rule definitions and available current observations/filings; app/OS notification permissions and source availability affect delivery.

CHANGELOG | Release notes

Field	Reference
Code	CHANGELOG
English label	Release notes
Usage	CHANGELOG
Needs	none
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: What each version brought, from the update feed.

Data requirement: Available update/release feed and actual installed version; not evidence that every platform has published local source changes.

CONNECTIONS | Market data connections

Field	Reference
Code	CONNECTIONS
English label	Market data connections
Usage	CONNECTIONS
Needs	none
Registry group	System
Availability	Provider-specific availability; see chapter 17
Workflow chapter	17

Function: Your personal stocks, futures, forex, crypto and index feeds: L1 quotes, L2 books and source bars. Provider catalog; no options feeds, orders or MCP export.

Data requirement: Explicit personal profile, exact source identity and local-use rights. Coinbase public L1/L2 exists; IBKR needs customer SDK/config/entitlements; other native SDKs remain pending.

COVER | Data coverage

Field	Reference
Code	COVER
English label	Data coverage
Usage	SPY COVER
Needs	symbol
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: What the terminal can actually serve for this instrument right now, endpoint by endpoint.

Data requirement: Current transport/cache/endpoint coverage or allowlisted redacted diagnostics and methodology context; no inferred missing source fields.

DATA | Data quality

Field	Reference
Code	DATA
English label	Data quality
Usage	SPY DATA
Needs	symbol
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Providers, streams, states and where a number came from.

Data requirement: Current transport/cache/endpoint coverage or allowlisted redacted diagnostics and methodology context; no inferred missing source fields.

DIAG | Support diagnostics

Field	Reference
Code	DIAG
English label	Support diagnostics
Usage	SPY DIAG
Needs	symbol
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Export a redacted local support bundle: version, workspace and transport state only.

Data requirement: Current transport/cache/endpoint coverage or allowlisted redacted diagnostics and methodology context; no inferred missing source fields.

GLOSS | Glossary

Field	Reference
Code	GLOSS
English label	Glossary
Usage	GLOSS
Needs	none
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	02

Function: Every term the terminal uses, in one line each.

Data requirement: Local command catalogue, loaded entity indexes or glossary; no market subscription required for discovery.

HELP | Function list

Field	Reference
Code	HELP
English label	Function list
Usage	HELP
Needs	none
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	02

Function: Everything this terminal can draw.

Data requirement: Local command catalogue, loaded entity indexes or glossary; no market subscription required for discovery.

HIST | Command history

Field	Reference
Code	HIST
English label	Command history
Usage	HIST
Needs	none
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	02

Function: The last forty commands with the time; click one to run it again.

Data requirement: Local command catalogue, loaded entity indexes or glossary; no market subscription required for discovery.

NOTIF | Notifications

Field	Reference
Code	NOTIF
English label	Notifications
Usage	NOTIF
Needs	none
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Every alert that fired, most recent first; click a row to jump to that symbol.

Data requirement: Local rule definitions and available current observations/filings; app/OS notification permissions and source availability affect delivery.

SET | Settings

Field	Reference
Code	SET
English label	Settings
Usage	SET
Needs	none
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Licence, window, and what is kept on disk.

Data requirement: Local interface/licence/storage settings and OS facilities; no secrets included in this manual or exports.

TRUST | Methodology cards

Field	Reference
Code	TRUST
English label	Methodology cards
Usage	SPY TRUST
Needs	symbol
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	18

Function: Definitions, inputs, exclusions and interpretation boundaries for terminal option models.

Data requirement: Current transport/cache/endpoint coverage or allowlisted redacted diagnostics and methodology context; no inferred missing source fields.

WORDS | What can I type

Field	Reference
Code	WORDS
English label	What can I type
Usage	WORDS
Needs	none
Registry group	System
Availability	Included in 1.5.32; required evidence still applies
Workflow chapter	02

Function: Every plain word the command line understands, and the function it opens.

Data requirement: Local command catalogue, loaded entity indexes or glossary; no market subscription required for discovery.

Appendix B | Catalogue coverage and source record

The builder executes `desktop/renderer/lib/command.js` in an isolated JavaScript context and reads `GexCommand.FUNCTIONS`. It compares the registered codes with the explicit evidence mapping and every appendix heading, then reopens the PDF and checks the extracted text for every code. All 161 entries are included; omission list: [] (zero omissions).

The coverage manifest in the QA folder records each code, exact source label, needs/group, usage, evidence requirement, availability, chapter and PDF page. It also records source hashes to identify the local snapshot used. The accompanying validation record reports reopened page/text counts, bookmarks, complete render count and geometry findings. Visual inspection is recorded separately after reviewing the final montages and critical pages.

The full command list in registry order is:

MAXPAIN, EXPROFILE, GAMMAFIELD, ANALYSIS, SVIFIT, SKEWLAB, SURFBOOK, OPTRESEARCH, CRELATED, VOLSCAN, RBUCKET, PNLEX, EVENTLAB, DESKREPORT, CONNECTIONS, CONNECT, OPRICE, VDESK, PRICECONE, XHEAT, SESSIONDIFF, WHATIF, LEVEL, DATALAB, POSIM, SPACE, MACROFLOW, GLOBALRISK, EQDESK, XASSET, MICRO, OPS, PORTRISK, REVIEW, BTLAB, DISCOVER, ALERTOPS, COLLAB, AICREDITS, DEVHUB, GOVERNANCE, RELIABILITY, SECURITY, ACCESS, BUSINESS, PBUILD, INSTR, COVER, RRUNS, SCEN, DIAG, TRUST, RBUDGET, HCAP, TAIL, REVSTRESS, LIQBUD, MARGSTRESS, HEDGEERR, VOLCTRL, CRASHLAD, GEX, STR, CHAIN, EXP, OPT, ORION, DCRM, SFEAR, VRPQ, CLOCK, FVAR, SURFQ, SYNFWF, VCARRY, EVTFX, MARKOV, ENSEMBLE, QFRAG, EMISM, UQ, TROLL, XGRAV, VOVF, OPT0, OVC, OPTHIST, OPTOI, OPTWATCH, OPTREPLAY, OPTPORT, TOUCH, REPLAY, DIFF, STATS, ANALOG, CORR, PLAN, PX, REG, SESS, SURF, LAB, VOL, MON, SCR, STRAT, CALC, LVL, HEDGE, RVOL, PROF, ALERT, EVENTS, RATES, ENERGY, FUND, CO, COSCAN, NET, POS, SUPPLY, CMP, GREEKS, PORT, TRADE, CHOKE, MINE, MAP, WIRE, NEWS, MACRO, VIX, CAL, FUT, DOM, FOOT, OF, ORDERFLOW, DEPTH, FLOW, DATA, HELP, REPORT, JRN, WORK, CONGEST, FOLLOW, WATCH, EARN, PAPER, CRYPTO, NOTE, DASH, GLOSS, CHANGELOG, HIST, WORDS, NOTIF, SWEEP, SET.

Primary local implementation sources

- `desktop/docs/release-1.5.32-20261005.md`
- `desktop/renderer/lib/command.js`
- `desktop/renderer/core/technicals.js`
- `desktop/renderer/lib/chart-studies-ui.js`
- `desktop/renderer/lib/chart-workspace-tools.js`
- `desktop/renderer/lib/options-explorer.js`
- `desktop/renderer/lib/panels-network.js`
- `desktop/renderer/lib/company-discovery.js`

- desktop/renderer/core/orderflow.js
- desktop/renderer/lib/panels-orderflow.js

Release scope: Windows and Linux 1.5.32 are published. macOS is not newly released. Actual feed coverage, account entitlements and model prerequisites remain independent of installation.

Definitions used throughout

Term	Meaning
ATM	At-the-money reference under the explicitly displayed convention.
BF	Arithmetic butterfly IV difference against the declared ATM reference.
Capture	Retained dataset retrieval/snapshot identity, distinct from source quote time.
CIK	SEC issuer/filer identifier; matching names alone do not establish identity.
Delta	Model/source sensitivity with its sign, denominator and contract scaling.
Forward	Declared forward input, distinct from spot and display-proxy price.
IV	Annual implied volatility under a specified model/source convention.
L1 / L2	Quote fields / supplied depth levels; neither implies L3 or order routing.
Native basis	The source underlying price/strike units before any verified display conversion.
OI	Reported open interest, distinct from actual current dealer inventory.
RR	Call IV minus put IV at the declared compatible absolute delta landmark.
RV	Realized-volatility estimator on the specified historical observations.
SHA-256	Payload-change detection; not a signature, authentication or a data licence.
SSVI	Restricted fitted total-variance surface family used for imported research.
Volatility point	One percentage point of annual IV, not one percent relative IV.