USER GUIDE

GammaOrderBook Overlay

See the gamma structure behind any chart —
drawn on top of the platform you already trade.

APPLIES TO	GammaOrderBook Overlay 1.0.0
SYSTEMS	Windows 10 / 11 · x64 & ARM64
DATA	Cboe, delayed (via GammaOrderBook server)

Windows 10 / 11 | x64 · ARM64 | Portable

Illustrated with screenshots captured from a real working session on TradingView, NinjaTrader 8 and MetaTrader 5. The operator's email address and device ID are masked; the figures are otherwise untouched.

gammaorderbook.com

About this guide

This guide teaches you to **operate** GammaOrderBook Overlay: install it, activate the trial or the subscription, mark and calibrate the chart area, and read every element the overlay draws. It is written for traders who use the product, not for programmers.

It assumes you already have a charting platform open and a market you follow. The overlay does not provide prices: it draws on top of the chart you are looking at, using that chart's price scale as its ruler.

How to use this guide

- **First run?** Follow Section 4 (activation) and Section 6 (five-minute quick start).
- **Already running and want to understand the chart?** Section 7 explains each element and Section 8 explains the numbers.
- **Lost a shortcut?** Section 11 has the complete list.
- **Something is wrong?** Section 13 is the troubleshooting table; Section 14 explains what to send to support.

About the figures

Every screenshot here comes from a real session: the overlay running over TradingView, NinjaTrader 8 and MetaTrader 5, with the live values of that day. Because the screen was the operator's own, the email address and the device ID in the license screenshot were masked. Prices and indicator values in the figures are examples from that session; they are not recommendations.

> **TIP**
> The app is a **separate program**, not a plugin inside your platform. Nothing is installed in NinjaTrader, MetaTrader, TradingView or BlackArrow — which is also why the overlay works over any of them, and even over two at once.

Conventions

- **Bold** marks interface labels, buttons and tab names, exactly as they appear on screen.
- Ctrl+Alt+X marks a keyboard shortcut — the default combination (Section 11 explains the fallback rule).
- **Panel** means the GammaOrderBook Overlay configuration window (the app calls it the Studio); **overlay** means the transparent drawing layer on top of the chart.
- **Zone** means one marked chart area — one rectangle with its own calibration and options.

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SECTION 01

What this product is

GammaOrderBook Overlay is a **separate Windows program** that draws option-gamma structure on top of **any** charting platform. It opens a transparent, always-on-top window that ignores the mouse (click-through) and paints over the area of the chart you mark — NinjaTrader 8, MetaTrader 4/5, TradingView Desktop, BlackArrow, or any other.

Because it is not inside the platform, you never change your charts, indicators or templates. You keep trading exactly as you do today; the overlay only adds a layer of information aligned to the price scale of the chart underneath it.

The overlay is **not a plugin**: it installs nothing inside your platform, does not change its files, templates, indicators or settings, and does not care which version you run. It is a **transparent film lying on top of the screen** — your platform keeps receiving every click while the overlay only draws. That is why the product is called an *overlay*: a layer above the chart, not a part of it.

> TIP
> **In practice:** it works over any proprietary broker software — NinjaTrader 8, MetaTrader 4/5, Sierra Chart, BlackArrow and other terminals — and over anything that runs in a browser, **TradingView** above all, including web terminals such as Tradovate. Validated on NinjaTrader 8, MetaTrader 5, Sierra Chart and TradingView (desktop and web).

1.1 What it draws on the chart

- **GEX bars** — gamma exposure per strike, drawn from the right edge towards the candles: green for positive gamma, red for negative.
- **Panorama** — the gamma profile of every expiration added together, drawn from the left edge towards the candles.
- **Zero Gamma (ZG)** — the price where total gamma flips sign, with optional ETF and Index-only variants.
- **Support and resistance lines** — levels delivered by the server, in green and red.
- **Liquidity zones** — translucent bands LZ1 to LZ5.
- **Bias box** — the server's bias score, signal, open-interest reading and the components behind them.
- **VXX** — a volatility thermometer shown next to Zero Gamma, only during the regular cash session.

1.2 What it does not do

- It does **not** send orders and does not connect to your broker.
- It does **not** produce buy or sell signals. The bias box is a calculated reading of structure — not an entry signal, and it does not replace risk management.
- It is **not** a real-time OPRA feed: the data is Cboe data, delayed, delivered by the GammaOrderBook server.
- It does **not** touch the registry, does not install services and does not need administrator rights.

> **NOTE**
>
> **Data cadence.** The server publishes new data roughly every 2 minutes and the app refreshes every 120 seconds by default. The license is validated at start-up and every 4 minutes; a session token lasts 24 hours.

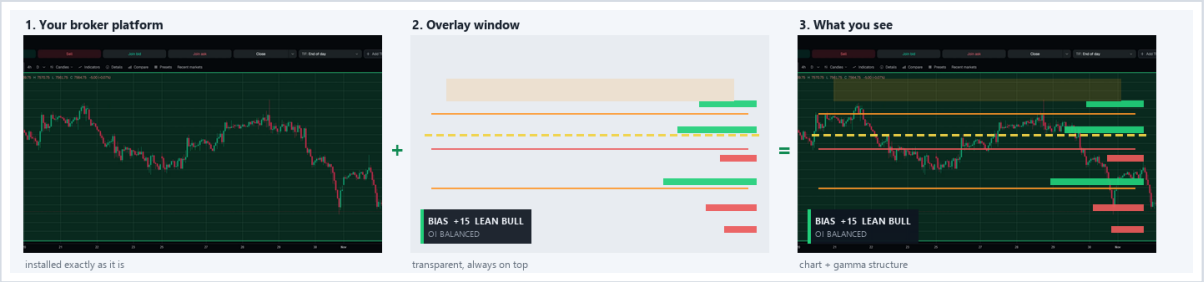


Figure 1 — Why it is called an overlay: 1 — your broker platform, exactly as installed; 2 — the separate overlay window, transparent and click-through; 3 — what you see on screen. Nothing is installed or modified in the platform.

> **NOTE**
>
> **What this means for you:** there is nothing to reinstall, reconfigure or update inside your platform; you can keep two platforms open side by side and compare; and if the overlay is closed, your platform keeps working exactly as before — nothing was integrated, so nothing is left behind.

SECTION 02

Before you start

2.1 System requirements

Item	Requirement
Operating system	Windows 10 (build 19041 / 20H1 and later) or Windows 11
Architecture	x64 and ARM64 — a single installer (on ARM64, Windows runs it in x64 emulation)
Installation	**Per-user** install wizard — no administrator password. No service and no registry entry to run
Runtime	.NET 10 Desktop bundled (self-contained): nothing to install
Disk	About 117 MB of free space (the setup file is about 38 MB)
Screen	One transparent window covering the whole virtual desktop (all monitors)
Chart platform	Any: proprietary broker terminals (NinjaTrader 8, MetaTrader 4/5, Sierra Chart, BlackArrow, others) and browser platforms (TradingView, Tradovate, broker web terminals)
Network	Outbound HTTPS (443) to gamma-auth.gammaorderbook.com; proxy respected
Instances	One copy per Windows session (single-instance lock)
Languages	App: English (default), Portuguese and Spanish. Installer: English and Portuguese (BR)

> **NOTE**
> macOS, Linux, Android, iOS and Windows older than 10 are **not** supported.

2.2 What you need to use it

- A charting platform running with your market data — the overlay draws over it, it does not fetch prices.
- An internet connection for license validation and data (the app retries automatically when the connection drops).
- An email address to start the trial or to hold the subscription.

2.3 Where it works

- **Proprietary broker software** — practically every terminal on the market: NinjaTrader 8, MetaTrader 4/5, Sierra Chart, BlackArrow and the proprietary platforms of your broker. Validated on NinjaTrader 8, MetaTrader 5, Sierra Chart and TradingView.
- **Broker platforms in a browser** — any platform that runs inside a browser window, with **TradingView** as the reference case (desktop application or web) and broker web terminals such as Tradovate behaving exactly the same way.
- **Several charts and assets at once** — one zone per chart, on one monitor or several: ES, NQ, RTY, GC, BTC and ETH can be on screen simultaneously (Section 9).

SECTION 03

Install and first launch

3.1 Install

1. Download **GammaOrderBookOverlay-Setup-1.0.0.exe** (about 38 MB) and keep it in your *Downloads* folder.
2. Double-click the file and follow the wizard. It installs **for your user only** — no administrator password required.
3. Choose the installer language, then **Next** → keep the suggested folder → **Next** → tick *Create a desktop shortcut* if you want one (it is unticked by default) → **Install**.
4. At the end, keep **Launch GammaOrderBook Overlay** checked and click **Finish**: the panel opens over your desktop.

> **NOTE**
> **One copy per Windows session** (single-instance lock): a second launch simply closes itself.

3.2 Windows SmartScreen and antivirus

The program is not signed with a paid certificate, so Windows may warn once — now on the **setup file**: **"Windows protected your PC"** → **More info** → **Run anyway**. It is a reputation warning, not an error.

> **WARNING**
> If your antivirus quarantines the installer, the usual reason is a heuristic against programs that capture the screen: the overlay reads the price axis with OCR **inside its own process** and never calls PowerShell, cmd or external scripts. Allow the installer and the app folder.

3.3 The very first run

Since there is no zone yet, the overlay shows a short notice on the desktop: **"Mark your chart area — drag with Ctrl+Alt+N, then calibrate with Ctrl+Alt+O"**. Open the panel with **Ctrl+Alt+P**: it sits next to your chart and is where the license, the options and the zone list live.

SECTION 04

License, trial and activation

The overlay validates the license when it starts and every 4 minutes afterwards. Without a valid license the data is not downloaded and **nothing is drawn** — by design there is no local gamma file to fall back on.

4.1 Start the 14-day trial

1. Open the panel with **Ctrl+Alt+P** and go to the **License** tab.
2. Type your **email address** in *License email* — the same address you will use if you subscribe later.
3. Click **Start the free trial (14 days)**. No card is needed.
4. The status line changes to **Trial activated** (or **License active** when a plan is already attached) and the overlay starts drawing on the calibrated zone.

> **NOTE**
> The trial is consumed **per computer**, not per email address: reinstalling Windows does not grant a new trial.

4.2 Subscribe

- **US$ 39 per month**, or **R$ 99 per month** in Brazil — monthly plans only.
- Click **Subscribe / renew the license**: the checkout opens in your browser.
- After paying, nothing else is needed — the app polls the server every 25 seconds (for up to 15 minutes) and starts drawing by itself.
- Promotional pricing may occasionally be offered at checkout; the plan remains monthly.

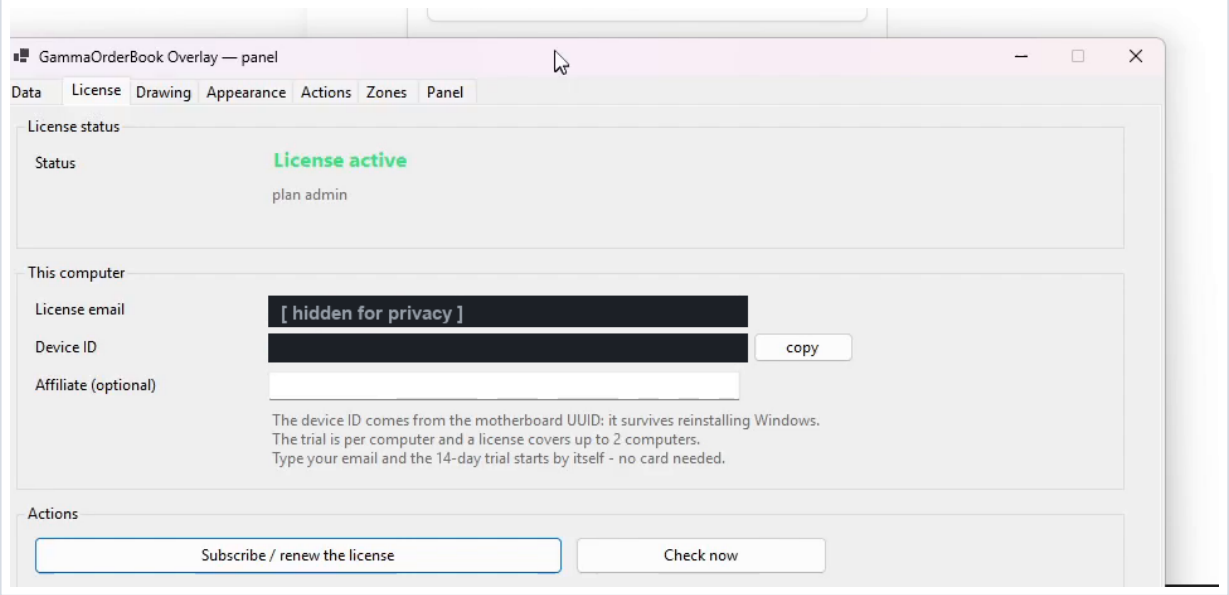


Figure 2 — The License tab with an active license. The email address and the device ID are masked in this figure; the app itself shows them.

4.3 Rules that matter

- One license covers **up to 2 computers**, but **one session at a time**. Opening the overlay on the second machine while the first is running shows *"In use on another computer"*: close it on the first machine and click **Try again**.
- The **device ID** is read from the motherboard firmware (SMBIOS UUID), so it survives reinstalling Windows and swapping disks. It is the ID to give to support.
- Trial, expiry and plan are checked on the server; the panel shows the status sentence, the plan, the expiry date, the device count and the time of the last data received.

4.4 License messages

What you see	Meaning	What to do
License active	Everything is fine	Use it
Trial activated	Trial just created	Use it
This computer already used the trial	The trial is per machine	Subscribe or contact support
Device limit reached	The email is already on 2 devices	Support removes one device
License expired	Subscription ended	Renew
License blocked	Refund, chargeback or cancellation	Contact support
Your plan does not include the overlay	Plan covers MT or NT only	Support changes the plan
Enter the email	The license email is missing	Fill in the License tab
No license for this email	No record for that address	Subscribe, or check the spelling
In use on another computer	Single session	Close it there, then Try again
No connection to the server	Internet, firewall or proxy	Check the connection; retries every 20 s
Could not validate	Unexpected server reply	Check now; if it persists, support

SECTION 05

The panel (Studio)

Ctrl+Alt+P opens the configuration window. It is not the overlay: it is the panel where the license lives, where the drawing options are set and where the zones are listed. Keep it beside the chart — closing it saves your settings.

Tab	What it is for
Data	Information only in production: the data comes from the server
License	Status, email, device ID, trial, subscribe, validate now
Drawing	Main chart options, per zone or as default for new zones
Appearance	Number size/color and bar thickness, GEX and panorama
Actions	Every command as a button, with the shortcut printed beside it
Zones	One row per zone: rectangle, instrument, coordinate, status
Panel	Language and the on-screen data text

5.1 License tab

Covered in Section 4. Two fields are worth remembering: **Device ID** (with a **copy** button) is the identifier support may ask for, and **Affiliate (optional)** is only filled when someone referred you.

5.2 Drawing tab

The combo **Editing** at the top decides where your changes are written: *default (new zones)* or one specific zone. Each zone keeps **22 own options**; a value left empty inherits the default. The most used ones:

Option	Values	Default
Default instrument	ES, NQ, RTY, GC, BTC, ETH	ES
Coordinate	futures / spot / manual	futures
Expiration	blended / 0DTE / all	0DTE
GEX source	combined (ETF+Index) / ETF / Index	combined
Zero Gamma	combined / ETF / Index	combined
Bar scale	auto / p90 / p98 / max	auto
Minimum filter (B)	0–5000 · 0 = automatic	0 (automatic)
Max GEX width (%)	5–48	33
Max panorama width (%)	5–48	33
Show GEX bars / panorama	on / off	on
Show liquidity zones / S-R lines	on / off (S-R: solid, dashed, dotted)	on
Show bias box	on / off	on
Show the panel on the chart too	on / off (off = panel stays in the window)	off

> **NOTE**
> Saving an option while a **zone** is selected gives that zone its own value — it will no longer inherit the default. To make zones uniform again, edit in the *default* scope and re-apply to the zone.

5.3 Appearance tab

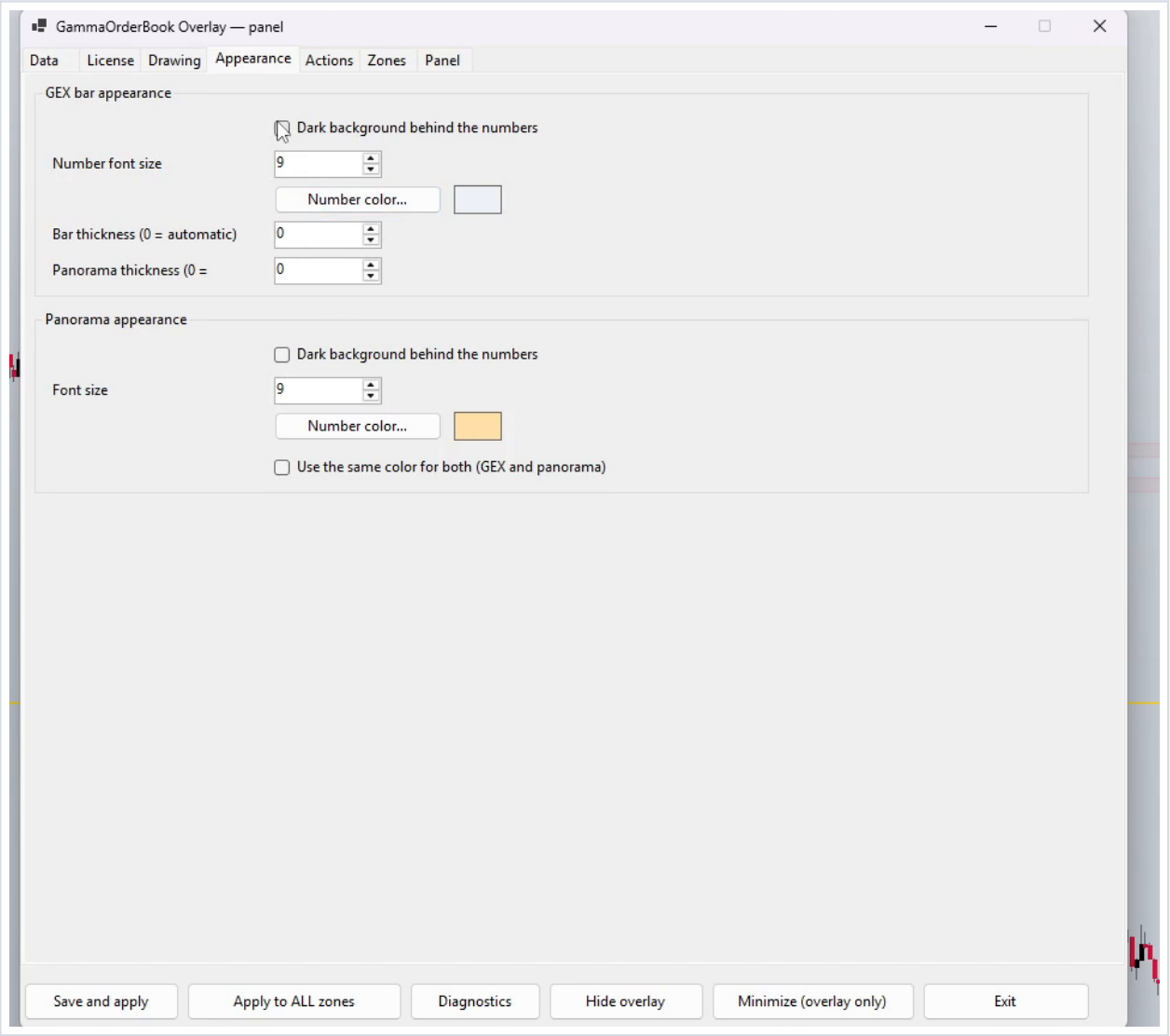


Figure 3 — Appearance tab: number size and color for GEX bars and for the panorama, plus bar thickness (0 = automatic).

Font sizes go from 6 to 26 pt (default 9). Thickness goes from 0 to 24 px, where **0 means automatic**. Colours are entered as #RRGGBB. The checkbox **Use the same color for both** keeps the two profiles visually consistent.

5.4 Actions tab

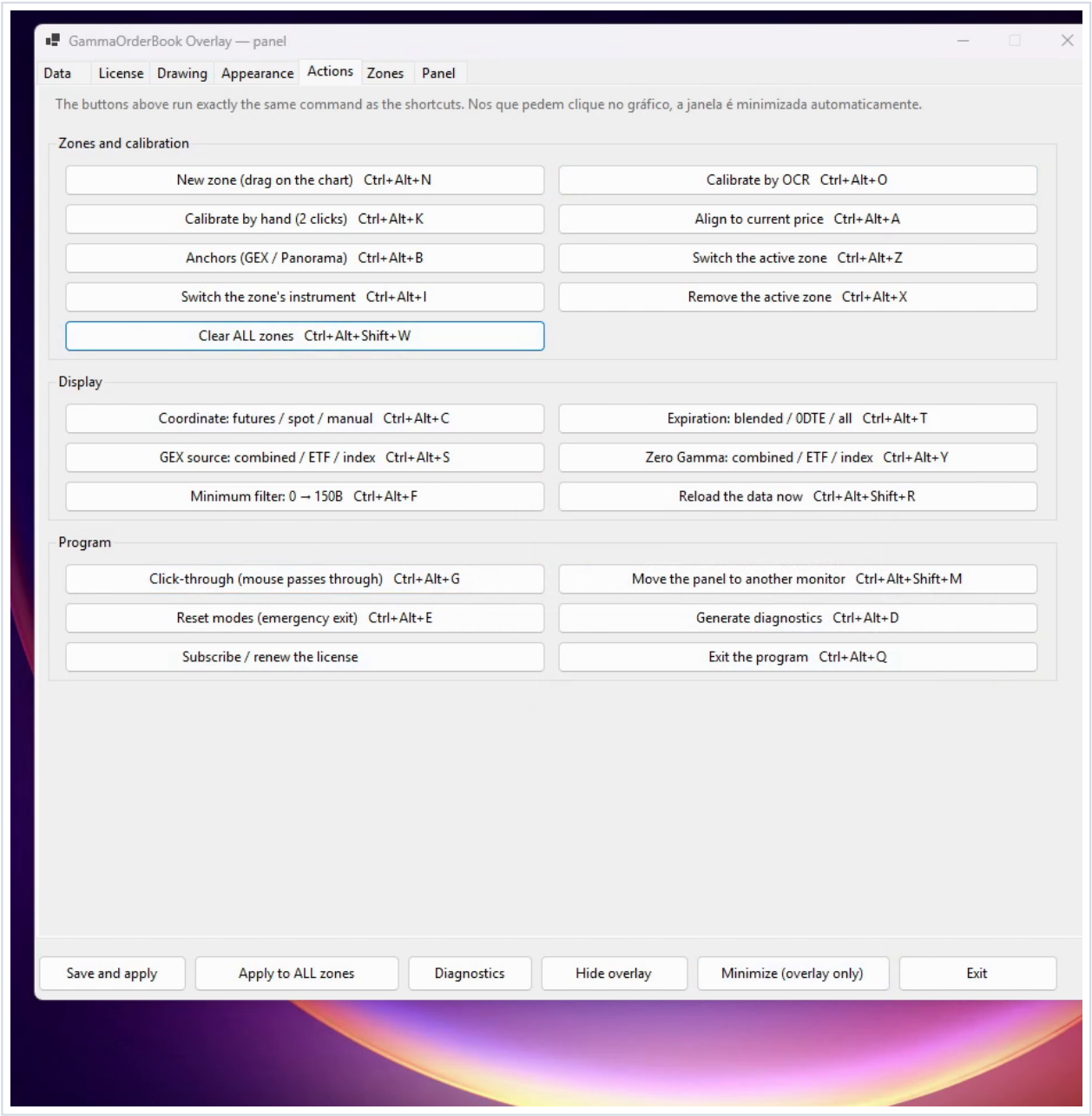


Figure 4 — Actions tab: every command is also a button, with the shortcut it really uses printed beside it.

The buttons run exactly the same commands as the shortcuts. Buttons that need a click on the chart hide the panel automatically and bring it back when you are done, so the rectangle you draw is never blocked by the window.

> **TIP**
> The combination printed beside each button is the one **actually registered** on your machine. If another program already owns a Ctrl+Alt+<key> combo, the app falls back to Ctrl+Alt+Shift+<key> — which is why you may see *Reload the data now · Ctrl+Alt+Shift+R* in this figure instead of Ctrl+Alt+R.

5.5 Zones tab

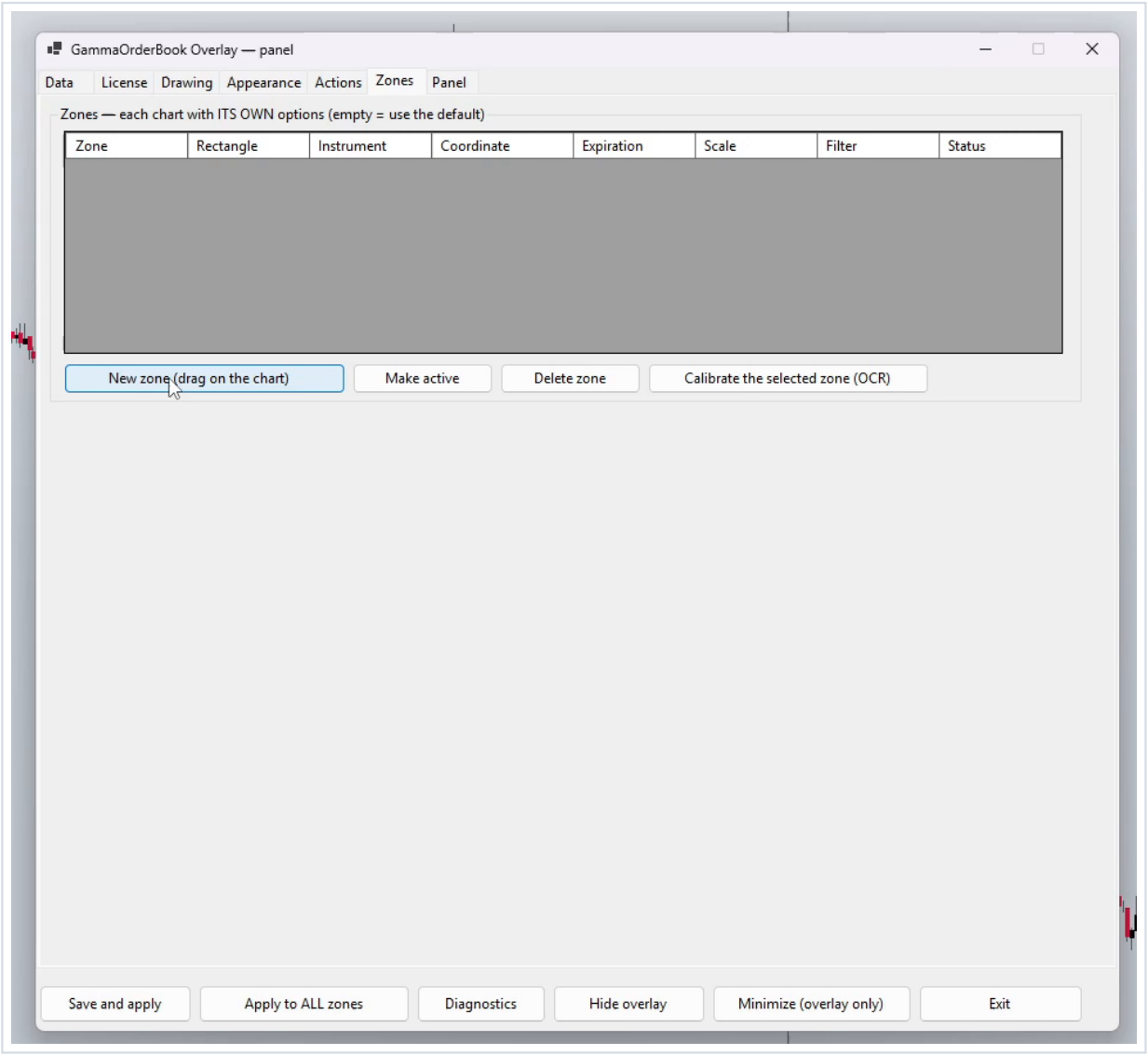


Figure 5 — Zones tab before any chart area is marked. Each row is one chart: rectangle size, instrument, coordinate mode, effective expiration/scale/filter and status (ok or not calibrated).

Buttons: **New zone (drag on the chart)**, **Make active**, **Delete zone** and **Calibrate the selected zone (OCR)**. The footer row — **Save and apply**, **Apply to ALL zones**, **Diagnostics**, **Hide overlay**, **Minimize (overlay only)**, **Exit** — is the same on every tab.

5.6 Panel tab

Language switches between English, Portuguese and Spanish (*auto* follows Windows). Changing the language requires **restarting** the app — the panel warns you. This tab also shows the data text printed in the HUD.

SECTION 06

Five-minute quick start

The minimum flow is **mark** → **calibrate** → **align** → **check**. Nothing is drawn before a zone is calibrated, because without calibration the program cannot convert price into screen position.

6.1 Open the panel

Press **Ctrl+Alt+P**. Keep the panel visible beside the chart or move it out of the way — it hides itself when a command needs a click on the chart.

6.2 Mark the zone

1. Leave the chart fully visible and un-minimized.
2. Press **Ctrl+Alt+N** — the mouse becomes a selection tool.
3. Drag a rectangle around the **candle area**, from the left edge to the right edge, and **include the price axis on the right**.
4. Release. The zone is created and its label reads something like **zone 1 | ES NOT CALIBRATED**.

6.3 Calibrate the scale

OCR is the recommended way: press **Ctrl+Alt+O**. The overlay hides itself (so its own lines cannot confuse the reader), takes a capture of the zone, reads the numbers on the price axis and computes the scale — it takes about a second.

If you prefer to do it by hand, press **Ctrl+Alt+K**: click **two different grid lines** — one near the top and one near the bottom — then type the price of each line. As soon as a zone draws bars, it is calibrated.

> **TIP**
> For the OCR, use a **dark theme** with light text and a normal zoom. The zone must cover the whole price axis; with only two or three grid lines visible, any calibration becomes imprecise. If the OCR fails, a diagnostico.txt is written and you can calibrate by hand.

6.4 Optional: place the anchors

Ctrl+Alt+B asks for two clicks: first where the **GEX bars** should end (the right edge of the candle area), then where the **panorama** should start (the left edge). This keeps the two profiles from covering the candles.

6.5 Align to the current price

If the bars are shifted away from the price, press **Ctrl+Alt+A** and click exactly on the chart's **last price line**. This fixes differences between future, spot and CFD contracts and small errors from the calibration clicks.

6.6 Check the HUD

The data text (HUD) should now show spot, ZG, DEX and BIAS values coherent with your chart. If the zone label still says *NOT CALIBRATED*, repeat step 6.3 — or read Section 10 for the fallbacks.

SECTION 07

Reading the chart

The figure below is a real session: a TradingView chart with the overlay drawn over it. The numbered markers point at the five elements you will use most.

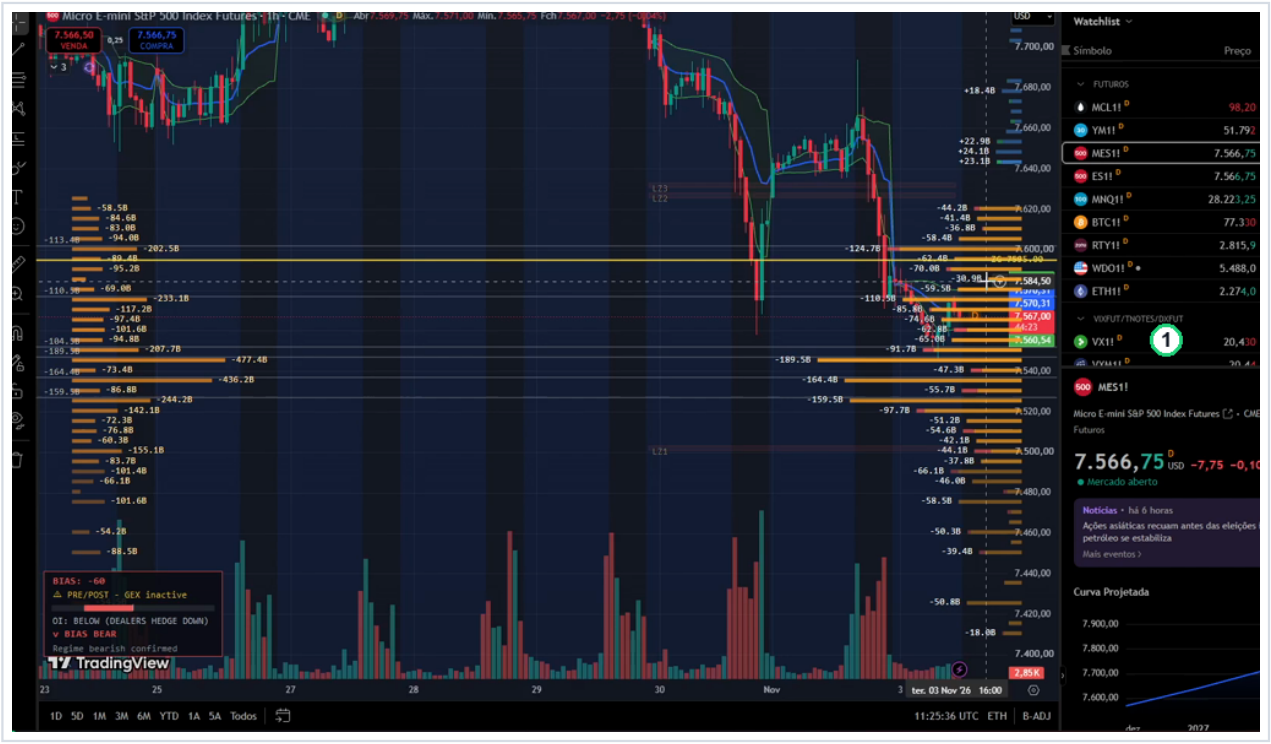


Figure 6 — The overlay over a TradingView chart.

1 — GEX bars per strike · 2 — Zero Gamma line · 3 — liquidity zone · 4 — bias box · 5 — support/resistance and top-GEX levels

7.1 Elements on the chart

Element	Look	Meaning	Turn off with
GEX bars	Horizontal bars at the right, green/red	Gamma per strike; width = size	Show GEX bars
ETF/Index split	Part green/red (ETF), part blue/orange (Index)	Where the gamma comes from	GEX source = ETF or Index
Bar numbers	+1.2B, -350M	Value in dollars of that strike	Drawn when the bar is wide enough
Panorama	Orange bars at the left	Profile of all expirations together	Show panorama
Zero Gamma	Thick yellow line, label ZG 6012.50	Price where total gamma flips sign	—
ZG ETF / ZG IDX	Same line, different label	ZG computed with ETF or Index only	Zero Gamma = ETF/Index
VXX	Text beside ZG, red/green	Volatility thermometer (cash session only)	—
Top GEX	Up to 6 thin grey lines with values	Strikes with the highest concentration	—

Element	Look	Meaning	Turn off with
Support / resistance	Green / red lines with the price	Levels delivered by the server	Show S/R lines
Liquidity zones	Translucent bands LZ1…LZ5	Where liquidity is concentrated	Show liquidity zones
Bias box	BIAS: +15, gauge, OI, signal	The server's prepared bias	Show the bias box
Zone label	zone 3 | ES (active)	Identification, during editing	—
Screen corners	Four green corners per monitor	The overlay is alive	—
Orange frame	3 px border	Interactive mode (mouse captured)	Ctrl+Alt+G

7.2 Light and dark themes

Both work. The overlay only needs the price scale to be readable; it does not care about the platform's colors. Dark themes are more reliable for the automatic OCR, but a light chart like the one below calibrates and draws just as well.



Figure 7 — The same overlay over a light-theme NinjaTrader 8 chart — bars, liquidity zones and the bias box aligned to the price scale.

7.3 The overlay never steals your mouse

- By default the mouse passes straight through the overlay to the chart: you trade normally while the drawing is visible.
- **Ctrl+Alt+G** toggles interactive mode; the 3-pixel orange frame around the screen shows that the mouse is captured.
- The four green corners on every monitor mean the overlay is running.
- **Ctrl+Alt+E** is the emergency reset: it cancels any mode and returns the overlay to normal drawing.

SECTION 08

Reading the numbers

Number	What it is	How to interpret
spot	Reference price of the instrument in the data	Check against your chart; if it drifts, use Ctrl+Alt+A
ZG	Zero Gamma: where aggregate gamma becomes zero	Equilibrium reference; above it positive gamma dominates
ZG ETF / ZG IDX	Same calculation with ETF or Index only	A large divergence means flow concentrated on one side
DEX	Delta exposure in dollars (DEX +1.35B)	Positive = dealers long delta; negative = short delta
BIAS	Score −100…+100 plus a signal name	A structural reading from the server — not an entry signal
Components	R regime · S slope · V VXX · E exhaustion · O OI	Show what produced the score; the sentence is the server's read
OI	BALANCED, CALL HEAVY, PUT HEAVY	Where the open interest sits
Filter (B)	Minimum value to draw a bar	0 = automatic (5% of the instrument's largest value)
LZ1…LZ5	The five first liquidity zones	Bands where liquidity is concentrated (8 ticks tall)

8.1 The HUD (data text)

The data text summarizes the active zone. On a calibrated, licensed session it looks like this:

```
GEX HUD  —  ES
active zone 3 | ES | 1600x900   (2 zone(s))
mode normal (click-through)
spot   6012.25     ZG  6018.00   (+0.10%)
ZG ETF 6015.50     ZG IDX 6017.25
DEX    +1.35B
BIAS   +15  LEAN BULL   OI BALANCED
       R+10 S+5 V0 E+2 O-2   Regime bullish confirmed
coordinate futures | scale auto | filter 20B
SUPPORTS … / RESISTANCES … / TOP GEX …
```

- The zone line is **green** when the zone is calibrated and **red** when it is not.
- With more than one zone, every zone is listed and the active one is marked with >.
- **DADO PARADO** appears when the last downloaded data has grown old.
- By default the HUD sits **inside the panel**, keeping the chart clean. Tick *Show the panel on the chart too* in the Drawing tab to draw it over the chart; **Ctrl+Alt+M** moves it from monitor to monitor.

8.2 How values are printed

Values use K, M, B and T with a sign (1.0K, 350.0M, 1.2B, 1.0T). The dollar value follows the original indicator rule: **value × price × 100**. Bar numbers are only drawn when the bar is wide enough to hold them — zoom in to see them all.

SECTION 09

Several charts at once

A zone is one chart. Each zone has its own rectangle, calibration, instrument, anchors and display options, so you can have ES on the first monitor, NQ on the second and BTC in a small window — all drawn at the same time and independent of one another.

- **Assets per zone:** ES, NQ, RTY, GC, BTC and ETH — switch with Ctrl+Alt+I or in the Drawing tab.
- **Charts:** as many as you need — several windows on the same monitor, or one per monitor.
- **Desktop or browser:** the overlay does not care how the chart is displayed, because a browser window is just another window on the screen.



Figure 8 — The same overlay over TradingView, NinjaTrader 8 and MetaTrader 5 in the same session — one program, any platform, several charts.

Action	Shortcut
Create a zone (drag on the chart)	Ctrl+Alt+N
Switch the active zone (with one zone: switch the instrument)	Ctrl+Alt+Z
Switch the zone's instrument directly	Ctrl+Alt+I
Remove the active zone	Ctrl+Alt+X
Clear ALL zones	Ctrl+Alt+Shift+W

> **NOTE**
> Zones inherit the defaults until you change an option inside them: an empty value means *use the default*, which is handy when you want three charts behaving the same way.

With several zones on screen the HUD lists all of them and marks the active one; the zone label drawn on the chart (*zone 3 | ES (active)*) shows which one the next command will affect.

SECTION 10

Calibration in depth

10.1 Manual calibration (two clicks)

Ctrl+Alt+K: click a horizontal grid line that has a printed price, then a second grid line well away from the first (top and bottom of the chart), and type both prices. The app checks the input and answers with a clear message:

- *"The two clicks landed at the same height"* → pick really distant lines.
- *"The two prices are the same"* → use two different prices.
- *"Invalid price"* → numbers only, e.g. 7743.25.

10.2 OCR calibration (recommended)

Ctrl+Alt+O. The overlay hides, captures the zone (giving priority to the lower 85% of its height), reads the price-axis numbers with OCR running locally inside the process, converts the numbers into a scale and starts drawing again. If it fails you get *"The OCR could not read the price axis"* and a diagnostico.txt; manual calibration is the fallback.



Figure 9 — The overlay reporting the OCR calibration while it reads the price axis ("reading the axis by OCR... (a few seconds)").

10.3 Automatic recalibration

The overlay watches the scale of every zone and recalibrates itself when you zoom, drag the chart or switch symbol. It cross-checks three sources: the grid lines (spacing and position), the candle block (when the grid is unreadable) and a number probe that reads the axis every 5 seconds when the grid is unreadable (every 30 seconds when it is readable). A coherence check also recalibrates when the axis stops containing the instrument's current price. In a **dark theme** the automatic read can take a few seconds — pressing **Ctrl+Alt+O** forces it immediately.

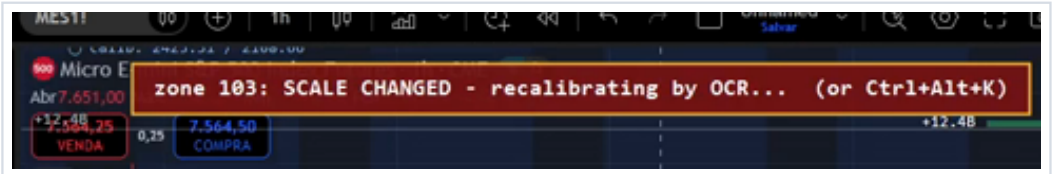


Figure 10 — Automatic recalibration announcing itself: the zone changed scale, so the overlay is reading the axis again (Ctrl+Alt+K is the manual alternative).

- A zoom of **4% or more** in grid spacing, or a **3-pixel** shift, counts as a scale change.
- The detector runs every **600 ms** and only recalibrates after the zone stops changing for **900 ms**.
- It allows at most one OCR attempt every **3 seconds**, three attempts per cycle; if all fail it stops and asks for a manual calibration — it will not fight a chart it cannot read.
- While you are calibrating, aligning or dragging a zone, automatic recalibration is paused.

> **TIP**
> If the grid has extreme contrast (for example a white grid over a light grey chart), grid detection may give up and the candle fallback plus the number probe take over. A dark theme is always the safest choice.

10.4 Coordinate modes

Mode	When to use it
futures (default)	Chart of the contract (ES, NQ…): the data is drawn as it comes
spot	Chart of the index or the ETF: applies the spot basis
manual	You typed the price; no basis is applied

Ctrl+Alt+C cycles the mode of the active zone. The default is *futures* because, without a reliable clue about the instrument, not applying a basis is the safest error. **Ctrl+Alt+A** (align to the current price) then fixes the remaining offset with one click.

SECTION 11

Keyboard shortcuts

All combinations use Ctrl+Alt.

Shortcut	Action
Ctrl+Alt+N	New zone (drag over the chart)
Ctrl+Alt+Z	Switch the active zone (with one zone: switch the instrument)
Ctrl+Alt+I	Switch the active zone's instrument
Ctrl+Alt+O	Calibrate by OCR
Ctrl+Alt+K	Manual calibration (two clicks)
Ctrl+Alt+B	Anchors: 1st click GEX, 2nd click panorama
Ctrl+Alt+A	Align to the current price
Ctrl+Alt+C	Coordinate: futures → spot → manual
Ctrl+Alt+F	Minimum filter: 0 → 5 → 10 → 20 → 40 → 80 → 150 B
Ctrl+Alt+T	Expiration: blended → 0DTE → all
Ctrl+Alt+S	GEX source: combined → ETF → Index
Ctrl+Alt+Y	Zero Gamma: combined → ETF → Index
Ctrl+Alt+R	Reload the data now
Ctrl+Alt+D	Generate diagnostics (diagnostico.txt)
Ctrl+Alt+G	Click-through on/off (mouse passes or interacts)
Ctrl+Alt+M	Move the HUD: monitor 1 → 2 → … → all
Ctrl+Alt+E	Reset modes (emergency exit)
Ctrl+Alt+X	Remove the active zone
Ctrl+Alt+Shift+W	Clear ALL zones
Ctrl+Alt+P	Open the panel (Studio)
Ctrl+Alt+Q	Quit the program (saves everything first)
Esc	Cancel a calibration / alignment / anchor in progress

NOTE

If another program already owns one of these combinations, the app registers the Ctrl+Alt+Shift+<key> variant automatically and the **Actions** tab shows which one is in use. Ctrl+Alt+Shift+W exists only with Shift.

SECTION 12

Files, folders and updates

Everything lives in the installation folder (default: %LOCALAPPDATA%\Programs\GammaOrderBook Overlay). If the environment variable GOB_BASE exists, it takes precedence.

File	Content
GammaOrderBookOverlay.exe	The program
config.json	Global options: drawing, appearance, language, email, machineId, affiliate
prefs.json	Quick preferences: expiration, source, filter, scale, anchors, widths
calibration.json	Zones: rectangle, instrument, coordinate, calibration, anchors, per-zone options
machineid.txt	Only exists when the device ID was generated manually (override)
overlay-native.log	Log of the current session; the previous one becomes .old
GammaOrderBookOverlay.pid	PID of the running process
diagnostico.txt	Written by Ctrl+Alt+D (or when the OCR fails)
i18n.json	Interface texts in the three languages

12.1 Good practices

- Before switching computers or updating, copy config.json, prefs.json and calibration.json — they hold your licence, your preferences and your zones.
- The log never contains passwords, but it **does** contain your email, the device ID and the computer name. The **Export diagnostics (zip)** button removes the email and the machine ID; when sending the raw log, treat it as personal data.

12.2 Updates

- The app checks the version on the server at most every 6 hours, silently; a newer version is announced in the **License** tab — never drawn over the chart.
- To update: download the new setup, close the overlay and install it into the **same folder**. The installer does not carry your configuration files, so config.json, prefs.json and calibration.json (your zones) are **kept**. To remove the program: **Settings** → **Apps** → **GammaOrderBook Overlay** → **Uninstall**.

SECTION 13

Troubleshooting

Symptom	Likely cause	Fix
Nothing appears on the chart	Zone not calibrated	Label says NOT CALIBRATED → Ctrl+Alt+K or Ctrl+Alt+O
Nothing appears and the license is red	No valid license: no data	License tab → resolve the state
Bars shifted away from the price	Wrong future/spot/CFD base	Ctrl+Alt+C (coordinate) and Ctrl+Alt+A (align)
“No reading / 3-line grid”	Zoom too close or small zone	Zoom out, enlarge the zone, use a dark theme
OCR always fails	Light theme, cut axis, low contrast	Include the whole right axis; dark theme; or calibrate by hand
“In use on another computer”	Single session	Close it on the other PC → Try again
“This computer already used the trial”	The trial is per machine	Subscribe or contact support
“No connection to the server”	Internet, firewall or proxy	Test gamma-auth.gammaorderbook.com; retries every 20 s
A shortcut does nothing	Another program owns the combo	App falls back to Ctrl+Alt+Shift+X — see Actions tab
Ctrl+Alt+K says “same height”	Both clicks on the same line	Click top and bottom
Two zone borders appear	Two copies running	Only one instance runs — close the other
Numbers unreadable over the chart	Low contrast	Appearance → dark background behind the numbers
Panorama/bias in the way	Display preference	Drawing tab → uncheck Show panorama / Show the bias box
“Could not validate”	Unexpected server reply	Check now; if it persists, support

SECTION 14

Support and privacy

14.1 Before contacting support

1. Open **Ctrl+Alt+P → Actions → Export diagnostics (zip)** — or press **Ctrl+Alt+D** if you only want the text report.
2. A GammaOrderBook-diagnostico-<date>.zip is saved to the Desktop with the report, the session log, the OCR captures and your settings.
3. Send that zip to support. Your email and machine ID are already removed; add the platform you use, whether the theme is light or dark, and a screenshot of the zone if you can.

The diagnostics file contains the app and Windows versions, the monitors, the zones (rectangle, instrument, calibration, state), the license state, the feed state, the last log lines and the result of the last scale reading — usually enough to identify the cause without a remote session. The zip also carries the last screen captures the OCR saw, which is usually what pins the case down.

14.2 What the app sends over the network

- The **device ID** (motherboard firmware UUID).
- The **license email**.
- The **computer name** (host, up to 40 characters), used to detect concurrent sessions.
- The **client version** and the **affiliate code**, if you filled one in.

It does **not** send screenshots, chart content, history, broker credentials or positions. The OCR runs locally inside the process and the captured image is discarded.

14.3 Product protections

- Data only arrives with a valid token; without a license there is no JSON to extract.
- The session token lasts 24 hours and is tied to the machine and to the platform.
- A single session stops one license from running on two computers at the same time.

SECTION 15

Glossary

Term	Meaning
GEX	Gamma exposure: gamma per strike, in dollars
Zero Gamma (ZG)	The price where total gamma becomes zero
Panorama	Gamma profile adding all expirations together
0DTE	Expiration on the same day
Blended	Combination of near expirations
Combined / ETF / Index	Calculation origin: ETF + Index split, ETF only, or Index only
DEX	Delta exposure
Bias	Server-calculated reading (regime, slope, volatility, exhaustion, OI)
VXX	Volatility ETN used as a risk thermometer
LZ	Liquidity zone
Click-through	The mouse passes through the overlay to the chart below
Studio / panel	The app's configuration window
Zone	One rectangle marked over one chart

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