

BUSTER CALL



One EA. One chart. It watches the whole account.

Operator's Manual
Version 3.30 · MetaTrader 5



Buster Call, in one page

Buster Call sits on **one chart** and watches your **whole account**. It does not open trades of its own and it has no opinion about the market. It exists for the moment your trading — or an EA you are running, or a news release, or a bad night — starts costing more than you agreed to lose.

It does three separate jobs, and you can run any one of them without the others:

Organ	What it is for
THE GUARDIAN Part I	A hard drawdown limit for the account. You set a percentage. When the account falls that far from its own peak, Buster Call either warns you or flattens everything and stands guard so nothing re-opens. It also polices each EA separately, so one misbehaving robot can be jailed without touching the rest.
THE NEWS SHIELD Part II	An account-level lockdown around high-impact economic releases. Pendings are pulled, new entries are refused, and the account rides out the spike flat or frozen.
ARMADA Part III	A trade copier. One account transmits, others follow — on the same machine, or across the internet through a relay you own. The guardian keeps guarding on every account in the group while it copies.

What Buster Call is not. It is not a strategy, a signal service, or a way to make a losing system profitable — it caps damage, and capping damage costs money on the days the drawdown would have recovered on its own. It is not a margin monitor: it measures drawdown from your peak, not your margin level, and your broker's stop-out can fire first. It cannot act between a Friday close and a Monday open, because there are no prices to act on. And it cannot un-lose the money the market takes between the moment it decides to act and the moment your orders fill. Read [§2, what the trip line really promises](#) before you rely on any number in this manual — it is the most important page in the document.

Something closed and you did not close it? Go straight to [§36](#). Every mechanism in this EA that is allowed to close a position says so in the journal, and that table turns the line it printed into an answer.

Who guards what?

You do not need every organ. Find the account you actually run, switch on what its row names, and leave the rest alone — every organ works without the others.

You run...	Lean on
One EA, or manual trades	The trip line (§1) — that alone is a working guardian.
A prop-firm or funded account	The DAY GUARD inside the firm's daily rule (§7), and the trip line inside its overall rule (§2).
Several EAs on one account	The trip line, plus a LEGION budget per EA so one bad robot is jailed alone (§8).

EAs that should never trade at the same time	A LEGION exclusion group (§9).
Anything through red news	The News Shield (§16).
Two accounts that should hold the same book	ARMADA — LOCAL on one machine (§25), REMOTE across the internet through a relay you own (§30).

No magic-number housekeeping. The account guard, the DAY GUARD and the News Shield cover every EA, every manual trade and every pending from the moment Buster Call is attached — nothing has to be enrolled, listed or named. Magic numbers enter only where you choose per-EA treatment: a LEGION budget ([§8](#)) or a follower-side copy filter ([§26](#)).

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Getting started — about ten minutes, once per terminal

Everything in this section is self-contained. Do these seven steps and Buster Call is guarding your account with sane defaults. Nothing here requires you to read ahead; tune it afterwards.

1 Install it. In MetaTrader 5 open **Toolbox** → **Market**, find **BUSTER CALL**, and Buy / Rent / Download. The terminal places it under **Navigator** → **Expert Advisors** → **Market** by itself.

Do this on every terminal you want protected — your desktop, your VPS, a second VPS. Your purchase is bound to *you*, not to a machine, and MQL5's activation scheme covers your own terminals. Copying the `.ex5` from one machine to another does not work: an activation-bound file will not run that way. Check remaining activations under **MQL5** → **Purchases**. If the follower account belongs to *someone else*, they need their own copy.

2 Pair your phone. Phone MT5 app → **Settings** → **Messages** → copy your **MetaQuotes ID**. Desktop → **Tools** → **Options** → **Notifications** → enable, paste it, press **Test**. Your phone must ping before you continue.

Strongly recommended rather than strictly required. A guardian that acts while you are asleep is only useful if it can wake you.

3 Whitelist the feed hosts. Tools → Options → Expert Advisors → tick **Allow WebRequest for listed URL** and add:

```
https://nfs.faireconomy.media  
https://cdn-nfs.faireconomy.media
```

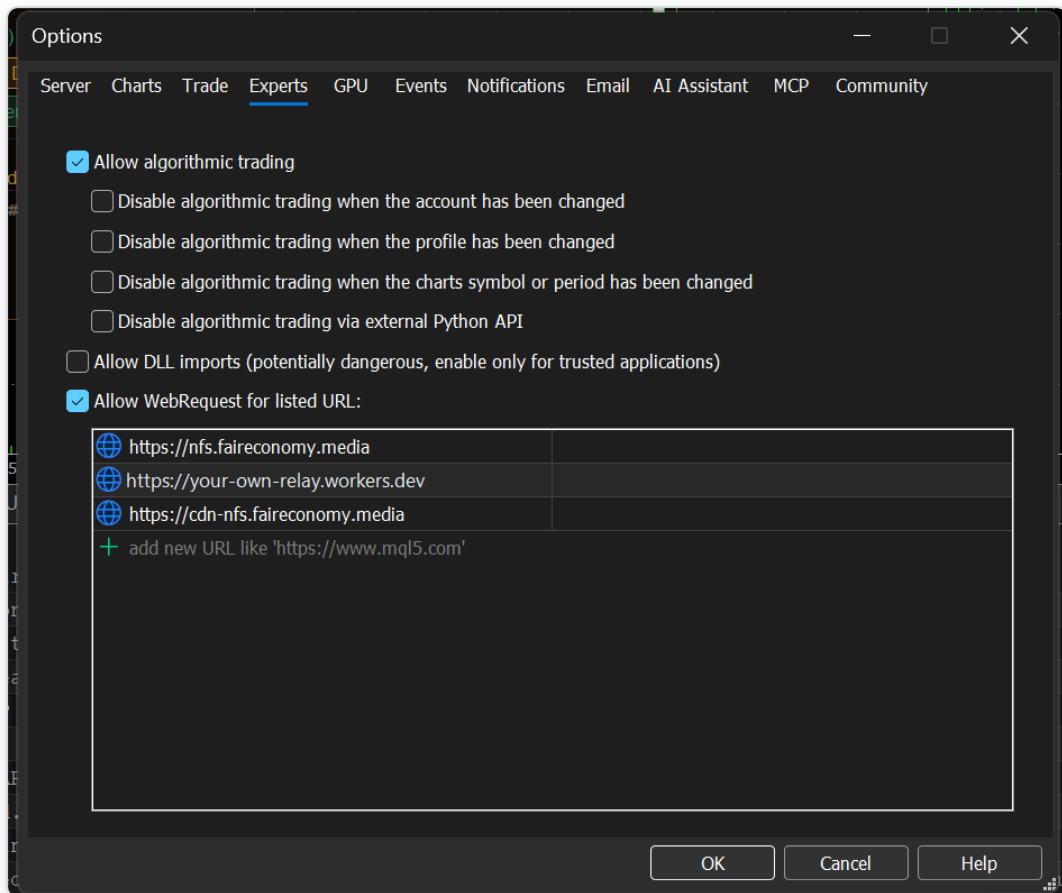


Fig. 1 — The WebRequest whitelist: both News-Shield feed hosts, plus your own relay address if you will use the copier across the internet. Without it the backup calendar layers and the remote copier can never activate.

These are the News Shield's backup calendars. Skip them and the Shield still works from the terminal's own calendar, with no fallback if that goes quiet. If you will use the copier across the internet, you will add one more address later — your own relay ([§32](#)).

On MQL5 Virtual Hosting? Buster Call runs there, and the guardian, LEGION and the telemetry push all work normally. The catch is this step: a hosted terminal uses the WebRequest whitelist **migrated from the terminal you launched it from**, so set the addresses up here *first*, then migrate. Anything relying on an address that is not on that list will otherwise fail on the host — the News Shield's backup feeds raise a BORIS warning, and the REMOTE copier refuses to arm and names the missing URL, but you will be reading both of those on a machine you have to remote into rather than on the one in front of you. The LOCAL copier link needs two terminals on one machine and so does not apply to virtual hosting at all.

4 Drag Buster Call onto ONE chart. Any symbol, any timeframe. It watches the whole account from wherever it sits.

One Buster Call per account — never two. Two copies would fight over the same peak-equity state. Buster Call now refuses to start rather than let that happen: the second one prints `another guardian Buster Call is live` and stops.

5 Set three dials and press OK. Everything else can stay at its default.

Dial — as the F7 dialog labels it	Set it to	Why
Trip LEVEL % <code>InpMaxDDPercent</code>	your real pain threshold	The percentage drawdown at which Buster Call acts. Ships at 12. On a prop-firm challenge this must go <i>below</i> the firm's own limit — see §2 .
Action when tripped <code>InpTripMode</code>	<code>WARDEN</code> to start	WARDEN warns and holds; NUKE flattens. Start with WARDEN until you have watched it for a week.
Warning % <code>InpWarnPercent</code>	a few points below the trip	The amber early warning. It only ever tells you — it never closes anything.

6 Turn on Algo Trading. The toolbar button. Without it Buster Call can see everything and close nothing — and it will say so, loudly, at every attach.

7 Read the journal, once. Toolbox → **Experts**. A correct install prints roughly this, in this order:

```
BORIS: terminal config inspected - all systems green.  
NEWS SHIELD: layered feeds - MT5 calendar first, FF JSON + mirror on standby ...  
NEWS SHIELD: feeding from MT5 CALENDAR (3 events in window).  
BUSTER CALL on guard. PeakBalance=10487.97 Trip=12.0% Mode=WARDEN
```

There are no LEGION lines yet because you have not filled a slot — that is correct at this stage, and [§8](#) adds them. The last line is the one that matters: **BUSTER CALL on guard** means it is live. If BORIS prints a warning instead of *all systems green*, fix the item he names before trusting the install — he tells you the exact setting and where it lives. If you see **REFUSED TO LOAD**, turn to [§14](#): Buster Call will not guard on a setting that would flatten you the moment it starts.

Two housekeeping habits worth forming now.

Save a preset. With the inputs right, press **Save** in the dialog and keep the `.set` as `BUSTER CALL - <account>.set`. It restores the whole configuration in one click. For a copier pair it contains your channel key, so treat that file as a password.

Clear the chart. Right-click the chart → **Properties** → **Show** → untick **Show trade history** and **Show trade levels**. Buster Call's chart is a console; the terminal's deal arrows otherwise draw straight over the panel.

Re-attaching does not restart it. Pressing **F7** → **OK** without changing a single dial does *not* re-initialise the EA — MetaTrader skips the work. To force a genuine restart, change any input, or restart the terminal. This catches people out during the drills and when re-keying the copier.

Reading the panel



Fig. 2 — The panel on a quiet account, live. **WATCHING** is the resting headline and **WARDEN** is what will happen if the trip line is reached. Equity sits just under the trailing peak, so drawdown reads **0.43 %** with 3,143 USD of room left; the meter fills from the left and the amber tick is the warn line at 15 % on a 30 % scale. Then the five **LEGION** units with their budgets, the panic row, and the two organs reporting for duty. Note the News Shield line: **shield up — 9 events tracked** means armed and watching, not restricting — trading here is completely normal. Compare it with [\\$18](#), which is the same panel during an actual lockdown.

Element	What it is telling you
Headline	WATCHING all quiet · WARNING the warn line is crossed · NEWS LOCKDOWN inside a news window · BUSTER CALL EXECUTED it has tripped · GUARD OFF the guardian is disabled by input.
Mode badge	WARDEN or NUKE — what will happen on a trip. Turns red once tripped.
EQUITY / PEAK BAL	Live equity, and the trailing peak that drawdown is measured <i>from</i> . Both are seen through the capital lens (\$6).

DRAWDOWN + meter	Current drawdown, and room-to-trip in money. The bar fills toward the trip line; the amber tick on it is your warn line.
LEGION rows	One row per unit: drawdown used against its budget, and net P&L. Red JAILED with a FREE button; amber SYNCING while its history is not yet trusted; group tags [G1] ; amber GROUP n HOLD on a barred member. See §8.
Panic row	CLOSE POSITIONS · DELETE PENDINGs · RESET GUARD . Your hand, not the guardian's — §10.
NEWS SHIELD	Which feed is in use, how many events are tracked, and the countdown to the next window or the lift of the current one.
ARMADA	Role, channel-key hash, status word and sequence number.
Footer	Rotates between the quiet watch-line, any BORIS warning, and the post-trip instruction.

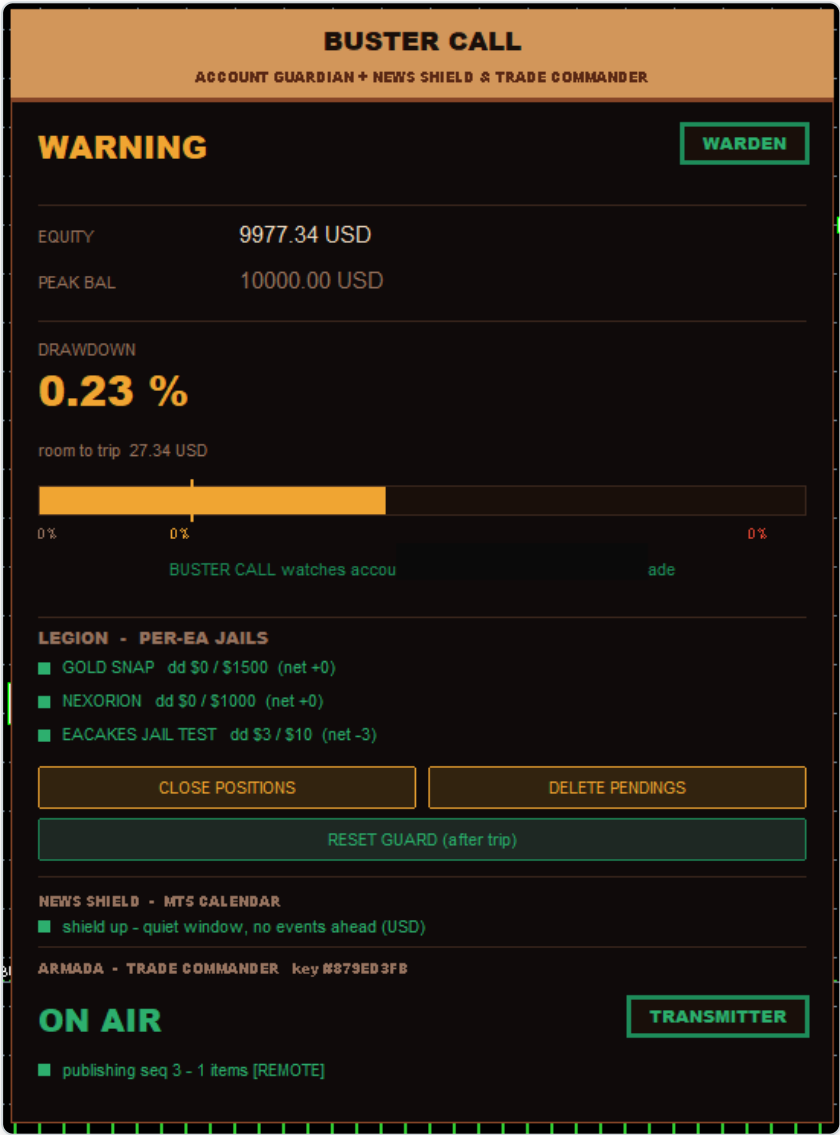


Fig. 3 — The amber WARNING state, live, on our drill rig's deliberately tight dials. Headline and meter turn amber the instant drawdown (here 0.23 %) crosses the warn line, a push goes to your phone, and **nothing has been closed** — the account guard is telling you, not acting. The LEGION rows stay green: an account-level warning is not a per-EA event (those have their own jails, §8) — and ARMADA keeps publishing below it, untouched.

Part I

THE ACCOUNT GUARDIAN

A hard limit on what a bad day is allowed to cost you

1. The trip line — what is actually being measured

Buster Call keeps a **peak** and compares the account to it. Drawdown is the distance the account has fallen below its own high-water mark, as a percentage. When that distance reaches your **Trip LEVEL %**, it acts.

Measured from	What the peak follows	Use it when
BALANCE the default, and the recommendation	The peak of <i>realized</i> balance. Floating profit never raises the bar, so a trade that goes well and then gives it back does not tighten the guard behind you.	Almost always.
EQUITY	The peak of balance <i>plus floating</i> . Every unrealized high ratchets the bar up, which makes the guard considerably tighter and more easily provoked.	You want giveback on open trades policed too, and you accept more trips.
INITIAL	A fixed baseline taken at first attach. It never moves.	You are measuring against a starting stake — a challenge, a fixed allocation.

The peak follows your money, not just the market. Buster Call watches for balance operations. A **withdrawal** shifts the peak down by exactly the amount withdrawn before the drawdown math runs, so taking profit out of the account never reads as a crash — on any path, including the instant-trip lane. A **deposit** ratchets it up honestly. Bonuses and corrections count as balance operations too. Each one pushes you a receipt:

```
BUSTER CALL: balance operation -1300.00 detected - peak rebased 10402.25 -> 9102.25. Drawdown % keeps its meaning.
```

So "12%" keeps its meaning for the life of the account.

2. What the trip line really promises

The trip % is a TRIGGER LEVEL, not a loss cap. When drawdown reaches it, Buster Call acts — confirmation 300 ms, or instantly at 1.15× — and the fire exit accepts any price. But the realized loss is whatever the market gives between the trigger and the fills: on a normal day a 12% dial realizes roughly 12–14%; in a spike it can overshoot; across a weekend gap it is unbounded, because nothing can act on the *absence* of price. Buster Call does not measure margin level and does not flatten before the weekend. Size lots with that margin.

Prop-firm challenges — read this before trusting the defaults. Buster Call's drawdown is measured from *its trailing peak*; a prop firm's rules are usually measured differently — a **daily** loss limit that resets at their midnight, plus an overall limit, often 5% and 10%. The shipped defaults track *neither*: the 12% trip sits **above** most prop rules and the DAY GUARD ships OFF — on defaults, the funder's breach fires before Buster Call speaks. On a challenge account, set the trip *below* the firm's overall limit with room for overshoot (e.g. their 10% → your 7–8%), and arm the **DAY GUARD** (§7) inside their daily line (their 5% → your 3.5–4). Two other honest limits while you are here: your **broker's stop-out** can fire before or during the sweep, and its fills — not Buster Call's — then set the loss; and a **hedged book is closed leg-by-leg**, so margin use can briefly spike mid-sweep.

3. Setting the guard

Six dials decide everything the guardian does. They are the whole configuration; the rest of this part explains what they mean.

Dial	Meaning
Equity guardian ON	The master switch for this whole organ. OFF = no peak ratchet, no warnings, no trips, no jails — while the News Shield, ARMADA and telemetry carry on. A persisted trip is not restored while it is off, and re-enabling it after a drawdown you took with it off will trip immediately, by design. RESET first.
Trip LEVEL %	The trigger. Read §2. Values ≤ 0 or > 100 refuse to load.
Warning %	A push-only early line. It never closes anything. Must be below the trip level or BORIS complains.
Drawdown measured from	BALANCE / EQUITY / INITIAL — §1.
Count broker CREDIT as capital?	The capital lens — §6. Leave it false unless the account is funded <i>as credit</i> .
Action when tripped	WARDEN or NUKE — §4.

*The trip percentage is the constitution. When risk needs adjusting, **resize the lots** — never loosen the kill-switch.*

4. WARDEN and NUKE — what happens on a trip

Mode	What it does
------	--------------

WARDEN the shipped default, and the one to keep	Closes everything, then stays on the chart and re-closes anything that dares to open — EA re-entries, manual orders, re-placed pendings. While tripped, your own manual trading is refused too: the account rests until you have answers. A copier receiver must be WARDEN.
NUKE	Closes everything, then shuts the terminal down so nothing can re-enter — but only once the book is actually flat . If closes are rejected (market closed, requotes) the shutdown is <i>held</i> , Buster Call patrols exactly like WARDEN, and fires the moment the last position is gone. It never abandons open positions to shut a window. Restarting after a NUKE does not re-close the terminal: it restores the tripped state and patrols until you RESET.

BUSTER CALL GUARD	
🚦 Equity guardian ON (OFF = News Shield + ARMADA only)	true
📊 Trip LEVEL % - a TRIGGER, not a loss cap (spike/gap can overshoot)	30.0
📊 Warning % (push notification only)	15.0
🚦 Count broker CREDIT/bonus as capital? (false = guard REAL money)	false
📊 Drawdown measured from	Trailing peak BALANCE - realized profit only (recommended)
📊 Action when tripped (WARDEN patrols; NUKE also closes terminal)	WARDEN: close all + keep re-closing new trades
📱 Send push notifications (MT5 mobile)	true

WARDEN — the shipped default, and the one to keep. (The dials in this capture read 30 / 15 because we shot it during a drill; the shipped values are 12 / 8.) Action when tripped reads **close all + keep re-closing new trades**.

BUSTER CALL GUARD	
🚦 Equity guardian ON (OFF = News Shield + ARMADA only)	true
📊 Trip LEVEL % - a TRIGGER, not a loss cap (spike/gap can overshoot)	30.0
📊 Warning % (push notification only)	15.0
🚦 Count broker CREDIT/bonus as capital? (false = guard REAL money)	false
📊 Drawdown measured from	Trailing peak BALANCE - realized profit only (recommended)
📊 Action when tripped (WARDEN patrols; NUKE also closes terminal)	NUKE: close all + shut down terminal

The same dial moved to **NUKE: close all + shut down terminal**. Everything else is identical. Never save a preset while this is selected unless you mean every future load of it to arm NUKE.

Choose NUKE only deliberately. It takes the copier and every other chart in that terminal down with it. And never save a preset with NUKE selected unless you intend every future load of that preset to arm it.

The spike shield. A touch of the trip line must confirm on a second reading at least 300 ms later, so a single bad tick cannot flatten your account. A genuine crash — 1.15× the line or worse — skips the wait and trips instantly.

The fire exit. Every close made because the *account* is in danger — the trip sweep, the WARDEN patrol, the panic buttons, the News Shield — is sent at **100 000 points deviation**, i.e. "any price", and the EA's normal **50-point** deviation is restored immediately afterwards. Market-execution books ignore deviation entirely; instant-execution books stop requoting the one close that actually matters.

The admin exit. LEGION discipline — the jail patrol and the exclusion-group bar — is a different kind of close: the account is not in danger, an EA is merely disobedient, and a disobedient grid EA can be re-closed hundreds of times in an hour. Those closes run at `InpAdminDeviationPts` (default **300 points**) instead of the fire deviation, so discipline never pays crash prices. One deliberate exception: the **moment a unit breaches its jail budget**, the very first close still uses the fire exit — a breach fires exactly when that unit is losing fastest. Only the follow-up patrol, whose job is disciplining an EA that re-opens, pays admin prices. The dial cannot reach the fire exits above, on any path.

That 50 is a fixed internal constant, deliberately not an input: the guardian's exit must not be reconfigurable by a dial meant for something else. The copier has its own separate slippage setting (`InpArmSlipPts` , §26) which governs copier orders only — never a guardian sweep, on any path.

The patrol. Rejected closes are retried every **1.5 s while the market is open**; a rejection on a market that is still ticking (a disabled symbol, an off-quotes spike) earns a 30-second lane. And a market that has gone **silent** — a weekend, a holiday — is not knocked on at all: the patrol stands by and sweeps on the **first tick that returns**, with an hourly probe

as the backstop. We learned that one at home: a drill left a gold position stuck through a Saturday, and every 30-second retry rang our own phone — the broker rejecting, the terminal announcing, all weekend. Now the guardian waits like a hunter, not an alarm clock — and at the open, the first tick fires the sweep faster than the old lane ever could. Nothing can re-open on a closed market, so the silence costs nothing. Sweeps run one pass per cycle, so a slow broker can never starve the timer, the shield or the copier.

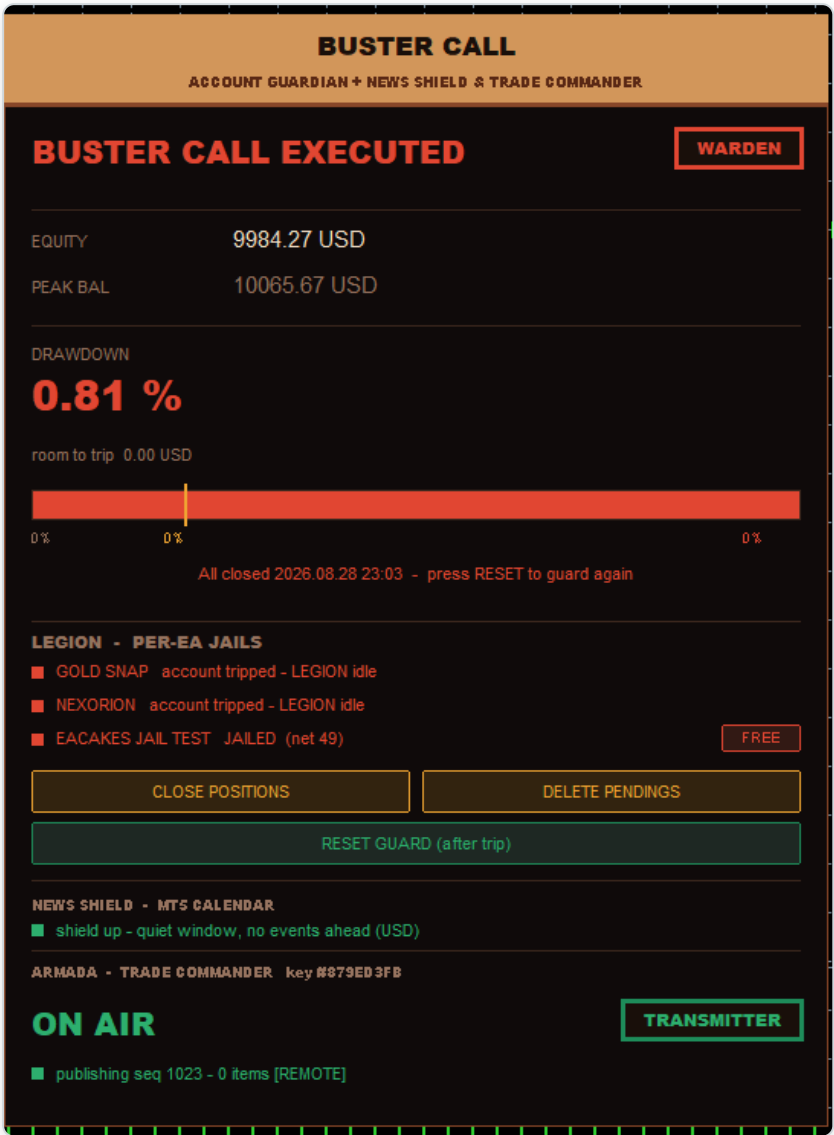


Fig. 5 — Tripped, in WARDEN, live: red headline, room-to-trip 0.00, and "All closed ... press RESET to guard again". The LEGION rows read account tripped — LEGION idle — only the jailed unit keeps its JAILED mark and FREE button — and ARMADA keeps publishing so a receiver follows the sweep in sync.

5. After a trip — recovery

- 1

Investigate first. The trip is information, not an inconvenience. What breached — which EA, which candle, which day? The evening report ([§12](#)) and the journal will tell you.
- 2

If it was a NUKE, restart the terminal. Buster Call comes back with the tripped state restored and patrols like WARDEN. It does not re-close the terminal and it does not re-arm itself.

3 Press RESET GUARD. It re-arms with the current balance as the fresh peak. LEGION accounting is untouched by a reset.

The trip survives everything. Trips, jails and peaks are written to disk the moment they change and re-touched every minute. A power cut, a hard process kill, a reboot — Buster Call returns with [TRIPPED STATE RESTORED] and keeps patrolling. It re-arms when a human presses RESET, and at no other time.

Standing it down deliberately

Removing Buster Call from the chart is safe at any time and closes nothing — but it is a *guardian* you are removing, so know what goes with it:

- **Nothing is closed and nothing is opened.** Your positions and pendings are left exactly as they stand, on their own stops.
- **A trip stays remembered.** The tripped flag and the peak are on disk. Re-attach later and it comes back tripped, still refusing to let anything open, until you press RESET. If you are standing it down *because* it tripped, press RESET first, so the next attach starts clean.
- **Jails stay remembered too**, per unit, for the same reason.
- **The group flags are swept.** `BC_GROUP_..._BUSY` is deleted on the way out, so a cooperating EA sees "no guardian watching" rather than a stale "free" — which is why [§9](#) tells you to treat a missing flag as a stop, not a go.
- **The singleton lock is released**, so another Buster Call may take over this account. The lock is kept alive on a wall-clock heartbeat rather than on ticks, so it goes stale on schedule even over a weekend — a crash does not leave the account locked against its own guardian.
- **If it was a transmitter**, it publishes a farewell frame on the way out and every follower is told at once ([§29](#)). On the default orphan policy their copies are **held**, not closed — but a follower who chose FLATTEN will close their whole mirror at market on that farewell. Worth knowing before you drag it off a live transmitter.

6. Deposits, withdrawals and the capital lens

In MetaTrader, **equity** = **balance** + **credit** + **floating**. On an account carrying broker credit or a bonus, the question "12% of *what?*" has two honest answers, so Buster Call lets you choose — and then measures consistently on every code path.

Count credit as capital?	Peak measured on	Account measured as	Use when
false default	balance	equity – credit	The credit is the broker's money — a bonus, a leverage credit. 12% then means 12% of <i>yours</i> .
true	balance + credit	equity	The account is funded <i>as</i> credit, so the balance is near zero and the credit is the stake. Common on some prop products.

With no credit on the account the two lenses are identical, and this whole section is moot. BORIS names the credit and the lens in the journal at every attach, so you are never guessing which way it is being counted.

Changing the lens re-bases the peak, on purpose, with a push telling you so. The old peak would otherwise be denominated in different units — an instant trip one way, a silently looser guard the other. Note also that **LEGION budgets stay fixed at their enlistment balance** by design; after a large deposit or withdrawal, press FREE on a unit to re-base its budget.

7. The DAY GUARD — a daily loss limit for prop rules

The trip line in §1 guards the account over its whole life. **A prop firm judges you by the day.** Nearly every funded-account program pairs its total-drawdown rule with a daily one — lose more than N% in one day and the account is gone, whatever your lifetime curve looks like. The DAY GUARD is that rule, running on your side of the fence: set `InpDailyLossPct` and Buster Call halts the day before the firm does.

How the day is measured. At server midnight — the broker's own clock, the same clock the firm's daily rule is written in — the DAY GUARD takes its anchor: **the higher of balance and equity** at that moment. That is deliberately the strictest common frame. Firms that anchor on midnight balance and firms that include the open float are both covered; where the two frames disagree, Buster Call uses the one that halts you sooner. From that anchor, today's drawdown is measured on equity exactly like the account line: floating losses count, spreads count, everything counts.

Set the dial INSIDE the firm's line, never on it. The halt needs a confirmation reading, closes take real milliseconds, and a fast market moves while they happen — the firm counts the intra-second touch of *its* line, so a dial sitting exactly on that line is a dial that loses the race. Give it room: **firm rule 5% → dial 3.5–4.0**. The same 1.15× spike lane as the account trip fires instantly on a crash; everything else gets one confirming read 300 ms later.

What a daily halt does. Everything the account trip does — positions closed, pendings deleted, the WARDEN patrol closing anything that dares reopen, ARMADA's copy doors shut — with one difference: **it ends**. At the next server midnight the halt lifts itself, a fresh anchor is taken, and trading resumes with a push telling you so. Until then the panel says **DAY GUARD HALT** and the footer counts the reason. RESET GUARD lifts a daily halt early, exactly like a trip — and re-bases today's anchor with the same no-forgiveness rule, so a floating loss cannot be reset into a fresh budget.

NUKE never fires on a daily halt — deliberately. A closed terminal cannot wake at midnight to re-arm, and a daily halt has an end by definition. The account trip keeps its NUKE; the day guard patrols. And the account line **keeps watching during a daily halt**: if a book that refuses to close bleeds through the account trip line while the day guard patrols, the permanent trip — and a configured NUKE — still fire.

```
BUSTER CALL DAY GUARD WARNING: daily loss 2.9% (warn line 2.8%, halt line 4.0%). Equity 9710.00 / day anchor 10000.00
BUSTER CALL DAY GUARD EXECUTED: daily loss 4.1% hit the 4.0% line. All positions closed, pendings deleted. Trading halts for the rest of the server day and re-arms at midnight.
BUSTER CALL DAY GUARD: new trading day (server midnight) - the daily halt is LIFTED. Guarding today from 9585.00 (daily line 4.0%).
```

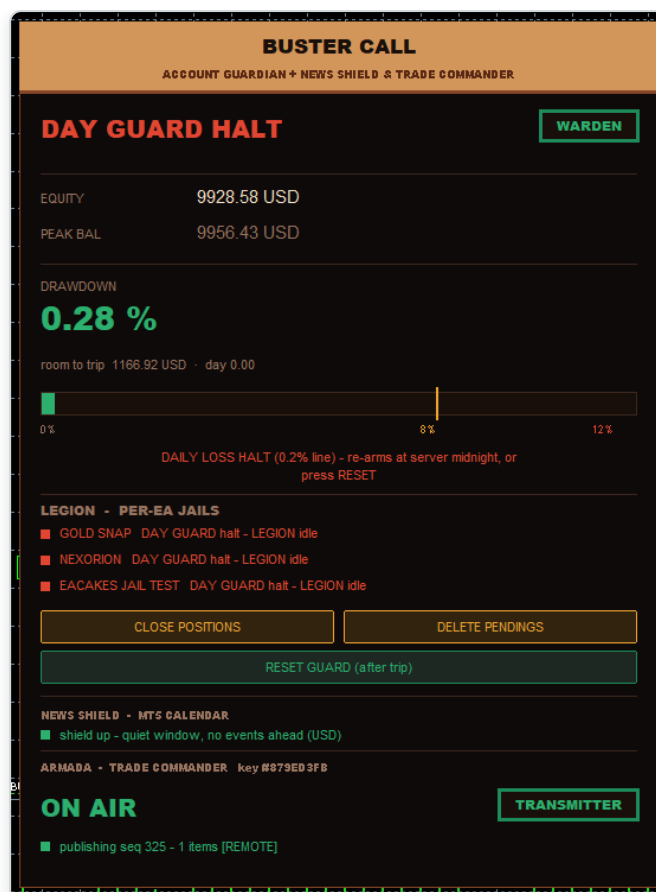


Fig. 6 — A daily halt, live: the panel in DAY GUARD HALT with the midnight promise in the footer, the day-room readout spent, and every LEGION unit standing down while the day patrol owns the account. We shot this on the feature's very first drill — and ran that drill over a closed market on purpose, because the guardian measures on its own clock and we wanted proof a weekend cannot blind it.

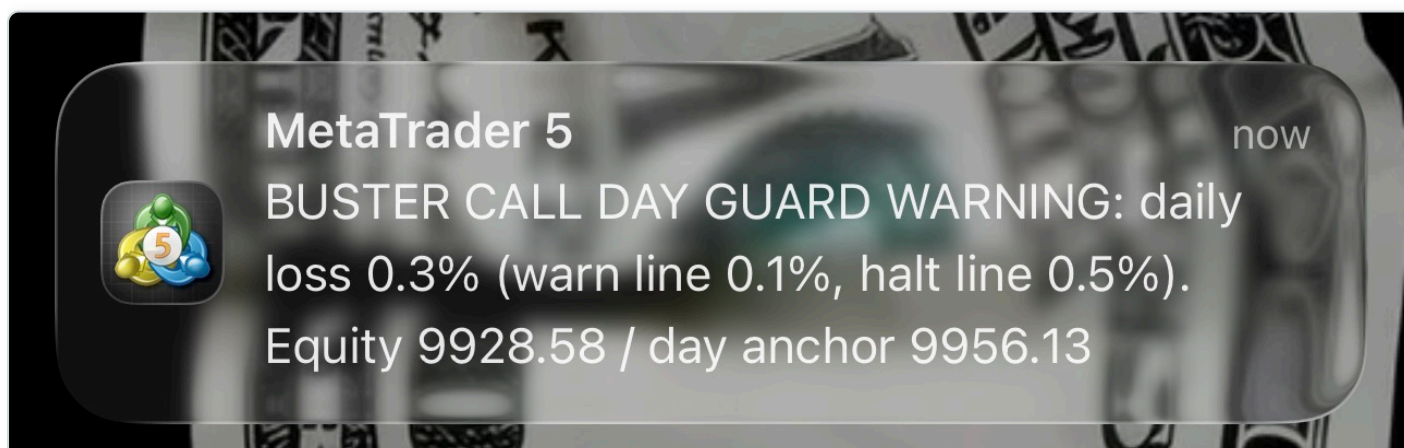


Fig. 7 — The daily warning on the phone, before the halt line: the loss, both lines, and the day anchor it is measured from — everything needed to decide from a lock screen.

The fine print that keeps you funded. Four honest edges, so nothing surprises you:

Edge	What to know
Percent drifts with growth	Most firms fix the daily line in <i>dollars of initial balance</i> ; this dial is a percent of <i>today's</i> anchor. After the account grows, the same percent is more dollars than the firm allows. Re-check the dial after growth: dial = firm dollars ÷ current balance , minus your buffer.

Attach before the first trade	The first time the DAY GUARD ever arms mid-day, its anchor is equity <i>now</i> , not the firm's midnight snapshot — a losing morning before the attach is invisible to it. It pushes you a notice when that happens; from the next midnight the two agree.
Deposits dilute the day	A mid-day deposit re-bases the anchor upward (so it never reads as profit), which also makes an earlier loss a smaller percent. On a prop account mid-day deposits are essentially impossible; on a personal account, know that a deposit widens the remaining room.
Intraday-peak rules	A few firms trail the daily line from the day's equity <i>peak</i> rather than its midnight snapshot. That variant cannot be modelled from a midnight anchor and is not supported — keep a larger buffer, or ask for it as a feature.

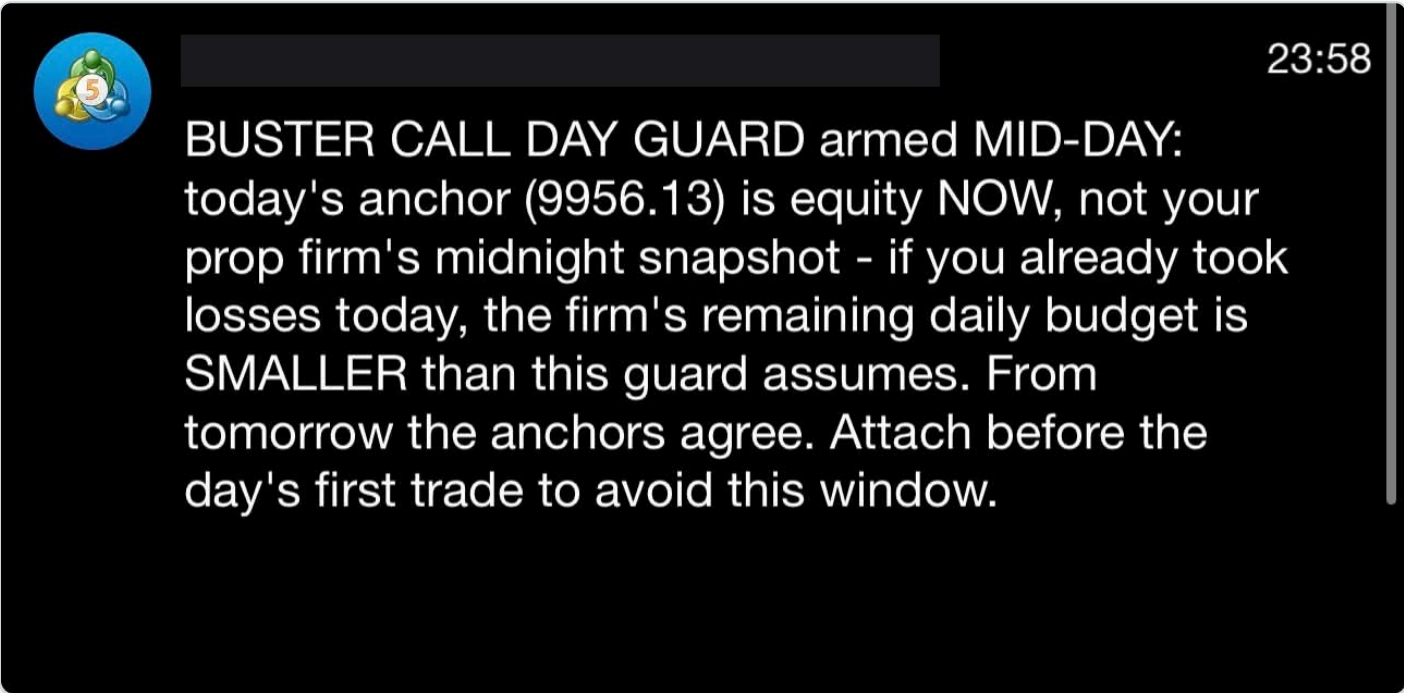


Fig. 8 — The mid-day edge announcing itself: arm the DAY GUARD after the day has started and it tells you, unprompted, that its anchor is equity now rather than the firm's midnight snapshot — and that from tomorrow the two agree. A protection that stands down silently is the one thing this EA refuses to ship.

With the dial at 0 the DAY GUARD is off and everything in this section is dormant. It lives inside the equity guardian: **guard off means day guard off**, and BORIS flags that combination at attach so it cannot happen silently. The armed guard shows itself on the healthy panel — the room line reads `room to trip ... · day ...` — and the evening report carries a `DayDD` figure next to the account's.

8. LEGION — a separate leash for every EA

This is what makes Buster Call more than an equity stop. The account trip protects the account; **LEGION stops one runaway EA from ever getting the account there**. Give each EA its own loss allowance. When a unit's net P&L falls one full budget below its own peak, Buster Call closes that unit's positions and pendings and blocks it — and the rest of the account keeps trading normally.

Per slot (×5)	Meaning
EA name	Display name. Leave it blank and the unit adopts the EA's own trade comment, read from positions, history entry legs and pendings. An explicit name always wins.
Magic numbers	A single 2699 , a list 2698,2999 , a range 12001-12009 , a mix, or a symbol prefix like GBPUSD . Everything in one slot is one unit : one combined P&L, one budget, one jail.
DD budget %	That unit's personal loss allowance, as a percentage of the account balance at the moment it was enlisted. 0 switches the slot off — see the warning below.
Exclusion group	NO GROUP, or GROUP 1–3 as LEADER or MEMBER — §9 .
LEGION ADVANCED	An overflow line for a sixth unit and beyond: KEYS:percent[:name][:G1L];... Keep it under about 240 characters — MetaTrader caps inputs at 255 and truncates silently.

How the budget behaves. The allowance is its percentage of the balance at enlistment — "lose this much from your own peak and you are benched". It is **peak-based**: the unit's peak ratchets up with its realized profits, so a winner that hands a full budget back gets jailed even while still net-positive overall. Giveback is giveback. Budgets are **independent** — one EA's losses never shrink another's. And a jail **persists**: base, peak, epoch and jail state survive restarts, reboots and power loss.

LEGION UNIT 1	
ab EA name (blank = auto from trade comment)	GOLD SNAP
ab Magic numbers (lists/ranges ok) or symbol	2698,2999
DD budget % (0 = slot OFF)	10.0
Exclusion group	NO GROUP
LEGION UNIT 2	
ab EA name (blank = auto from trade comment)	NEXORION
ab Magic numbers (lists/ranges ok) or symbol	143
½ DD budget % (0 = slot OFF)	14.0
Exclusion group	NO GROUP
LEGION UNIT 3	
ab EA name (blank = auto from trade comment)	ONE MAN ARMY
ab Magic numbers (lists/ranges ok) or symbol	2332
½ DD budget % (0 = slot OFF)	13.0
Exclusion group	NO GROUP
LEGION UNIT 4	
ab EA name (blank = auto from trade comment)	
ab Magic numbers (lists/ranges ok) or symbol	
½ DD budget % (0 = slot OFF)	0.0
Exclusion group	NO GROUP
LEGION UNIT 5	
ab EA name (blank = auto from trade comment)	
ab Magic numbers (lists/ranges ok) or symbol	
½ DD budget % (0 = slot OFF)	0.0
Exclusion group	NO GROUP
LEGION ADVANCED (overflow)	
ab Extra units: "12001-12009,9314:10:GR:G1L;GBPUSD:5"	

Fig. 9 — Three LEGION slots filled on a live chart: GOLD SNAP keyed to a two-magic family (2698,2999 — one unit, one budget) on a 10% allowance, NEXORION on magic 143 at 14%, and ONE MAN ARMY on 2332 at 13%. Units 4 and 5 sit at 0.0, which switches those slots off entirely. Every slot carries its own Exclusion group dropdown, and the ADVANCED line beneath them holds a sixth unit and beyond.

GRID-BOT touched its budget ... - confirming...

BUSTER CALL LEGION: GRID-BOT JAILED - its drawdown \$1598.50 breached its 15.0% budget (\$1550.80 of base \$10338.67). Unit closed and blocked.

A jail does not expire. There is no daily reset and no midnight rollover. A jailed unit stays jailed through restarts, reboots and weekends until you press **FREE** on its row. That is deliberate — a budget that quietly refills overnight is not a budget. FREE releases the unit with a fresh budget based on the current balance and a fresh accounting epoch.

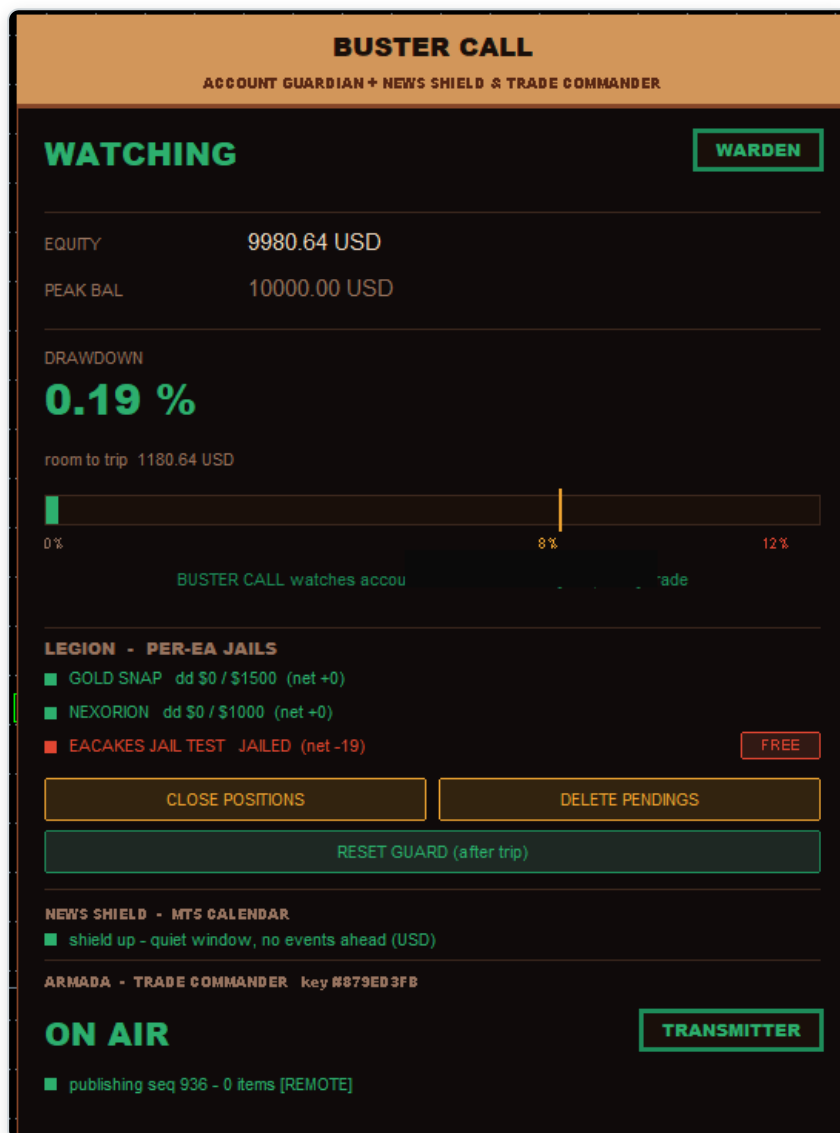


Fig. 10 — A live jail, and the account untouched: the drill unit breached its budget and sits red **JAILED** (net -19) with its **FREE** button, while the headline stays green **WATCHING** at 0.19 % — a per-EA jail is not an account event. The unit is closed and blocked until you presses **FREE**.

A jail needs the same two readings 300 ms apart as the account trip. And a unit is judged only from a deal history that actually contains it and has not shrunk since the last read:

Row state	Jail math	Panel
history contains the unit, not shrunk since last read	ON	dd \$x / \$y (net ...)

persisted peak > 0 but 0 deals found (cache not synced)	suspended	SYNCING history – jail suspended
fewer deals than last read (partial cache after a reconnect)	suspended, last good realized kept	SYNCING
jailed	patrol only	JAILED + FREE
barred by its exclusion group	ON (unaffected)	GROUP n HOLD (... busy)
account tripped	idle	account tripped – LEGION idle

SYNCING for a few seconds after attach is normal. If it lasts two minutes you get one push naming the unit — press FREE on that row to restart its accounting.

A slot with DD budget % = 0 does not exist. Zero means the slot is off, so the unit is not enlisted, not jailed, and — the part that catches people — **not in any group either**, whatever its group dropdown says. The journal states it plainly at attach (`LEGION slot n ignored: DD budget % must be > 0`) and the next line gives the count to check: `LEGION: 3 units enlisted`. If a group refuses to form, that line is the first place to look.

Overlap guard: if two units share keys, Buster Call warns at attach — shared trades would count against both budgets.

9. Exclusion groups — one EA at a time

Some strategies must not share the account's exposure at the same moment. The classic case is a grid EA, and the same applies to anything with that shape: martingale, basket recovery, hedging systems, news-spike traders — anything that needs the whole margin envelope to itself while it works.

An exclusion group enforces it: **while the group's leader holds open positions, every other member of that group is kept flat**. The moment the leader is flat, the members are free.

How enforcement actually works, and what it costs. Buster Call cannot veto another EA's order before it happens — no EA can. So it works like a jail: a barred member's position is **closed on sight** (first sighting within one 200 ms pulse, then re-swept every 30 s), and its pending orders are deleted so they cannot fill into a busy group. The cost of each sighting is one spread on the barred EA's side, paid at the admin deviation ([§4](#)), never at fire prices. If that matters to you, use the cooperation flag below.

Setup	Who holds the group	Use it when
LEADER + MEMBERS	Only the leader's book counts. While the leader holds any position the members are barred — even a member that opened first. The instant the leader is flat, everyone is free.	One strategy is genuinely primary: the grid, the recovery basket, the news trader. Deterministic — there is no race to win.
All MEMBERS, no leader	First come, first served. Whichever member opens first holds the group until it goes flat; the rest are barred meanwhile.	Two or more equal peers where you want only one live at a time and do not care which — two grids on different symbols, say.

A group *with* a leader ignores the incumbent rule entirely, so a member that is mid-sequence when the leader opens will be closed out. If that is not what you want, drop the LEADER tag and let them compete as equals. — The leader's *pending* orders do not make the group busy: a grid re-arming with stops leaves the group free, and a pending that later fills will close member trades at market on the next pulse.

On the panel: `[G1]` member · `[G1L]` leader · `[G1*]` the current holder · amber **GROUP 1 HOLD (GRID busy)** on a barred row. On the advanced line, append the group as a last field: `12001-12009:10:GRID:G1L` for a leader, `:G2` or `:G2M` for a member.

Key grouped units by MAGIC number, not by symbol. A symbol-keyed unit inside a group "owns the symbol": while barred, its close-on-sight takes *every* trade on that symbol that is not the holder's — other groups, manual trades, unlisted EAs. Mixing magic-keyed with symbol-keyed units in one group can also misattribute who holds it. BORIS warns loudly about both at attach. The clean configuration is one magic per unit.

Jails outrank groups — a jailed member is already held flat, and jail accounting is untouched by group holds. Group state is re-derived from the live book every pulse, so there is nothing to persist and nothing to corrupt: a restart or power cut simply re-reads the truth. On an account trip the flags publish BUSY before the sweep, and re-derive after RESET. And since groups are LEGION machinery, **guardian OFF means groups off** — BORIS says so if you configure one that way.

LEGION UNIT 1	
ab EA name (blank = auto from trade comment)	Nexorion
ab Magic numbers (lists/ranges ok) or symbol	145
1/2 DD budget % (0 = slot OFF)	10.0
Exclusion group	NO GROUP

LEGION UNIT 2	
ab EA name (blank = auto from trade comment)	NO GROUP
ab Magic numbers (lists/ranges ok) or symbol	GROUP 1 - LEADER
1/2 DD budget % (0 = slot OFF)	GROUP 1 - MEMBER
Exclusion group	GROUP 2 - LEADER
	GROUP 2 - MEMBER
	GROUP 3 - LEADER
	GROUP 3 - MEMBER

The Exclusion group dropdown, open: NO GROUP, then LEADER / MEMBER for each of the three groups. Set the grid EA to GROUP 1 – LEADER and the rest to GROUP 1 – MEMBER. That is the entire setup.

LEGION - PER-EA JAILS

- GOLD SNAP dd \$0 / \$1063 (net +0)
- NEXORION dd \$0 / \$1488 (net +0)
- ONE MAN ARMY dd \$0 / \$1382 (net +0)
- BORING PIPS dd \$0 / \$1594 (net +0) [G1L]
- GOLD GRID dd \$0 / \$1594 (net +0) [G1]

The result on the panel: BORING PIPS tagged [G1L] as leader of group 1 and GOLD GRID tagged [G1] as its member. Neither holds the group yet, so both trade freely — the moment the leader opens a position it becomes [G1L*] and the member goes amber.

The cooperation flag — for EAs you control

Closing on sight costs a spread. An EA you can edit need never pay it. Buster Call publishes a terminal global variable per group — `BC_GROUP_<account>_<n>_BUSY`, for example `BC_GROUP_12345678_1_BUSY` — set to 1 while the group is busy or the account is tripped, and 0 when free. Three lines before your EA opens anything:

```
string gv = "BC_GROUP_" + (string)AccountInfoInteger(ACCOUNT_LOGIN) + "_1_BUSY";
if(GlobalVariableCheck(gv) && GlobalVariableGet(gv) > 0.5)
    return; // group busy - stand down this candle
```

Treat a missing flag as "no guardian watching", never as "free". The variable is deleted when Buster Call leaves the chart. It is refreshed by the heartbeat so it cannot silently expire, swept at every attach so a crash can never leave a stale one behind, and its state survives a power cut.

10. The panic row — your hands, not the guardian's

Two amber buttons sit above RESET GUARD, for spread blowouts, broker weirdness, or simply "I don't like this candle".

Button	What it does
CLOSE POSITIONS	Closes every open position at market. Pending orders stay racked.
DELETE PENDINGS	Deletes every pending order. Open positions keep riding.

CLOSE COPY POSITIONS

receiver only, Part III

Closes only the mirrored copies. Host trades untouched, the channel stays armed, and the closed copies are tombstoned so they are never re-copied while their source still lives.

Double-click armed, deliberately. The first click *arms* the button — it turns red **CONFIRM?** for five seconds. A second click, at least 0.8 s later, executes. Anything faster (a twitchy double-click, an RDP stutter) is ignored, and walking away disarms it. Both actions leave the guard armed — no trip, no reset needed — and push you a receipt. If there was nothing to close, nothing is pushed: pushes are for actions, not for air.



Fig. 11 — CLOSE POSITIONS armed: one click and the button turns red **CONFIRM?** for five seconds while its twin stays amber — a panic close takes two deliberate clicks, never one accident. We armed it mid-drill, on purpose, inside the warning band (0.44 %, room to trip \$5.81), with a jailed unit below and the copier still publishing: arming a button interrupts nothing.

11. BORIS — the attach-time config check

A guardian that is silently misconfigured is worse than no guardian: it buys confidence without buying protection. So at every attach BORIS inspects the terminal and says what he finds.

He checks	Because otherwise
Algo Trading, and chart trade permission	Buster Call can see everything and close nothing.
Push pairing	Every alert it will ever send dies in silence.
The feed whitelist	The backup calendar layers can never activate.
An absurd news window (> 120 min)	Permanent lockdown — every pending your EAs place would be deleted within milliseconds, silently.
A copier trying to override the shield	The shield deletes pendings by broker enumeration; honouring an "ignore news" copier setting would churn place/delete at 5 Hz.
LEGION line length	MetaTrader truncates long inputs silently — trailing units vanish unnoticed.
Credit on the account	You should never have to guess which way 12% is being measured (\$6).
Warn ≥ trip	The warning could never precede the trip.

Findings are printed loudly, and an amber `BORIS: N config warning...` line holds the panel footer until they are fixed. A clean terminal earns one line: `BORIS: terminal config inspected - all systems green.`



Fig. 12 — BORIS in the footer, live: we dialed the warning level (5.0) above the trip level (0.5) on purpose, to hear him complain — and he did: he names the exact inputs, says the warning can never precede the trip, and keeps saying it until it is fixed. A misconfigured guardian never gets to look green quietly.

12. TELEMETRY — the evening report

Once a day at the report hour (server time), three pushes land on your phone:

```
BUSTER CALL daily 12345678: Bal 10398 Eq 10398 Peak 10402 DD 0.04% room 2076 USD
LEGION: GRID-BOT +0; SCALPER-A +0; SWING-EA +0;
OTHERS today: MANUAL +338;
```

Line	Contents
Account	Balance, equity, peak, drawdown, room to trip, [TRIPPED] if the guard has fired, and Credit N (counted excluded) whenever the account carries credit.
LEGION roll call	Every unit's net P&L since its epoch, with JAILED flags. Long rosters split into extra pushes.

OTHERS	Everything no unit claims: MANUAL, COPY (the copier's tag, adopted automatically from ARMADA when the copier is on) and EA (anything unlisted). Realized since midnight, plus floating.
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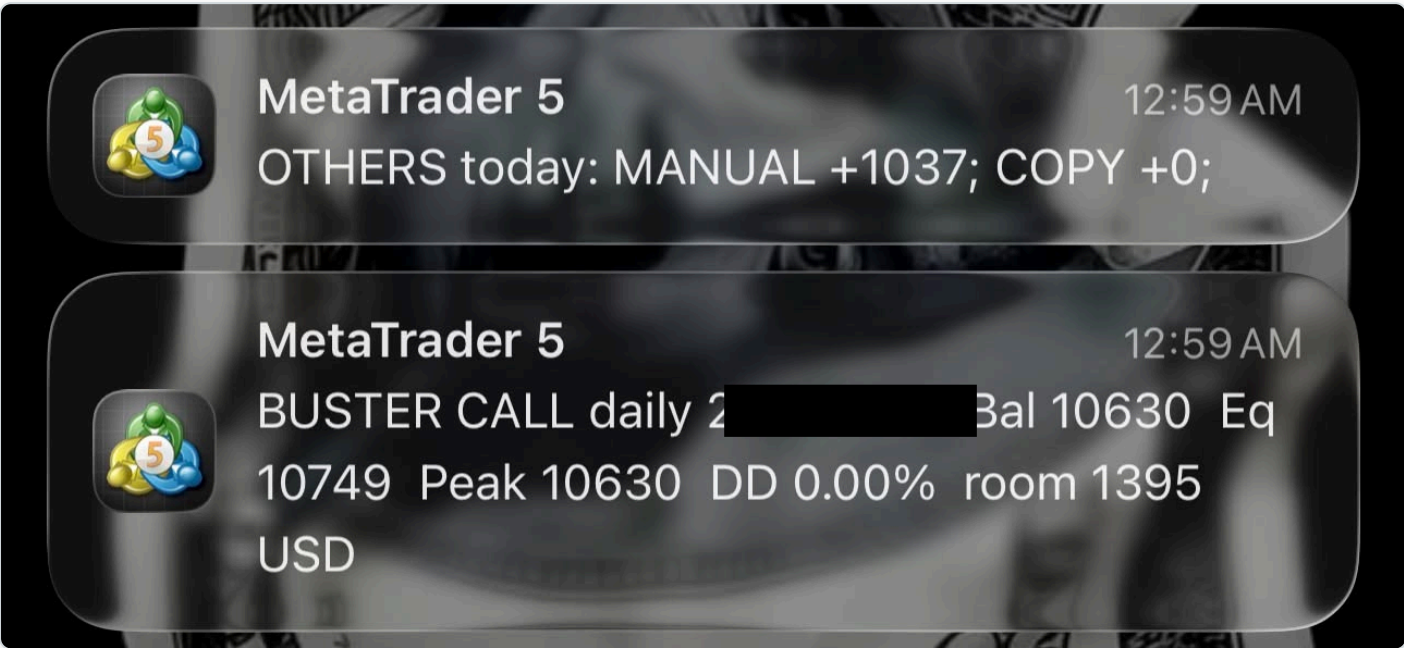


Fig. 13 — The evening report on the lock screen: the account line — balance, equity, peak, drawdown and room to trip — and the OTHERS line accounting for every dollar no LEGION unit claims. The roll call arrives as its own push when units are enlisted.

13. Proving it works — before you need it

Never trust an untested safety switch. There are two ways to watch this one work, and the first needs no account at all.

The fast way: let it demonstrate itself in the Strategy Tester

Buster Call carries a scripted demonstration of its own guardian. It runs only in the Strategy Tester, and it is the quickest way to see a trip with nothing whatsoever at risk.

- 1

Open the Strategy Tester (**Ctrl+R**), choose Buster Call, any symbol, **M15**, and a date range of a week or two. Tick **Visual mode** — without it there is no chart to watch and no panel to see.
- 2

Leave the inputs alone and press Start. Two dials are involved and both are already on by default: `InpTesterDemo` (in the ARMADA REMOTE group) and the guardian's own master switch.
- 3

Watch the panel and the journal beneath it. Over the run a drawdown builds, the WARNING fires and the panel turns amber, the trip line is crossed, the book is flattened, and WARDEN keeps patrolling — then it resets and does it all again. Each phase prints a framed banner in the journal saying what you are looking at.
The News Shield does not take part: the Strategy Tester has no live calendar, so the Shield stands itself down there rather than pretend. Its drill is on a demo account, [§19](#).

It is not a mock-up. The demonstration supplies the provocation and nothing else — it opens a couple of positions and moves the peak. Every number, colour and state change after that is the same guardian code that runs on a live chart, reacting to a real account state, and you can check its arithmetic on screen as it happens. What the tester cannot show, because the platform does not provide it there: phone notifications, the live news calendar and the copier. Those need a real terminal, which is what the drills below are for. Turn the whole thing off with `InpTesterDemo = false`.

The real thing: drills on a demo account

Each one takes minutes. Restore your real settings afterwards.

Drill	How	Pass looks like
Trip	Trip 0.5 / warn 0.4, WARDEN. Open a small trade and let it float against you.	<code>trip line touched ... confirming... → BUSTER CALL TRIPPED → BUSTER CALL EXECUTED</code> ; book flat in ~2 s; manual orders denied; RESET restores.
Power-cut	Trip to 0.1 so it trips, then End task on <code>terminal64.exe</code> in Task Manager — a hard kill, not the X. Reopen.	<code>BUSTER CALL on guard ... [TRIPPED STATE RESTORED]</code> , panel still reads BUSTER CALL EXECUTED.
News	Set "Lockdown starts" to 6000 — any event within about four days becomes imminent.	Amber NEWS LOCKDOWN, a push, scope enforced, lift countdown running. (BORIS will grumble about the window — that is the point.)

Panic	Single-click a panic button; then double-click fast; then click–pause–click.	Single click only arms; the fast double-click is ignored; the deliberate confirm executes with a push; a 5 s timeout disarms.
Telemetry	Set the report hour to the current server hour.	All three pushes arrive. (Once per day — delete <code>BC_REPORT_<login></code> to re-arm.)
BORIS	Remove a whitelist URL and re-attach.	An amber BORIS warning naming it. Restore it → "all systems green."

Copier drills are in [§25](#). Remember that F7 → OK with no dial changed does not re-initialise the EA — change something, or restart the terminal.

A representative live record

A trip followed by a hard process kill, taken on a demo pair:

```
13:03:41  BORIS warning 1: InpWarnPercent 15.0 >= InpMaxDDPercent 0.1 - the warning can never precede the trip.
13:03:41  BUSTER CALL TRIPPED: DD 0.72% >= 0.1% equity=10412.27 peak=10487.97
13:03:42  BUSTER CALL EXECUTED: tripped at 0.7% DD. All positions closed, pendings deleted. Mode: WARDEN - patrolling.
      ---- terminal64.exe killed from outside, no clean shutdown ----
13:06:05  BUSTER CALL on guard. PeakBalance=10487.97 Trip=0.1% Mode=WARDEN [TRIPPED STATE RESTORED]
13:06:15  BUSTER CALL: closes REJECTED with the market OPEN - patrol retries every 1.5s until the book is flat.
13:09:02  BUSTER CALL reset by Commander. Guarding again from balance 10412.27
```

Every trip follows the same three lines: *touched* → *confirming* → *TRIPPED* → *EXECUTED*. About two seconds from confirmed breach to a flat account on a small book and a quick broker — closes are sequential, so a large book or a slow broker takes proportionally longer.

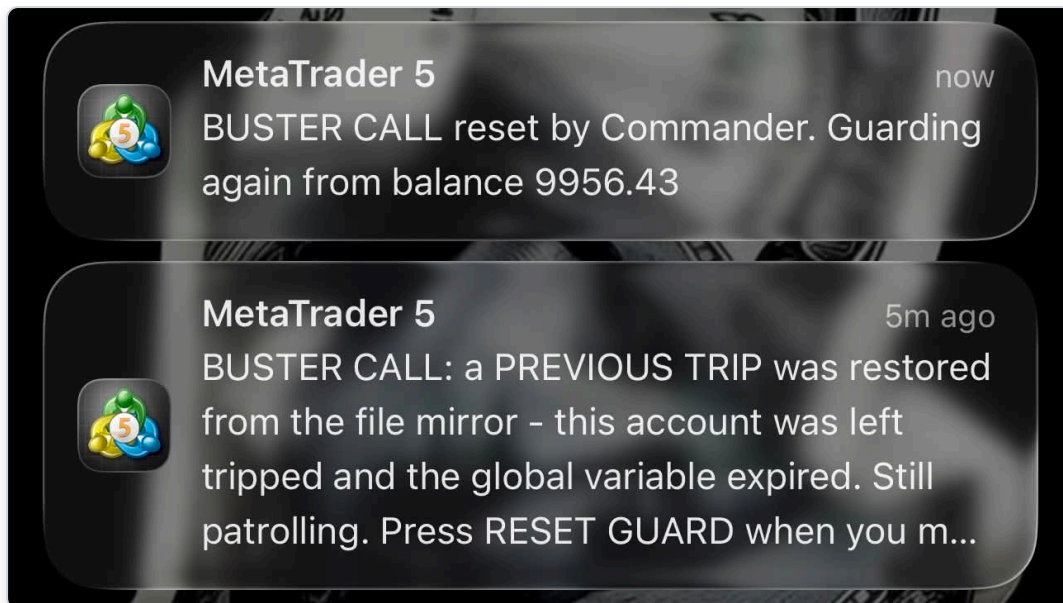


```

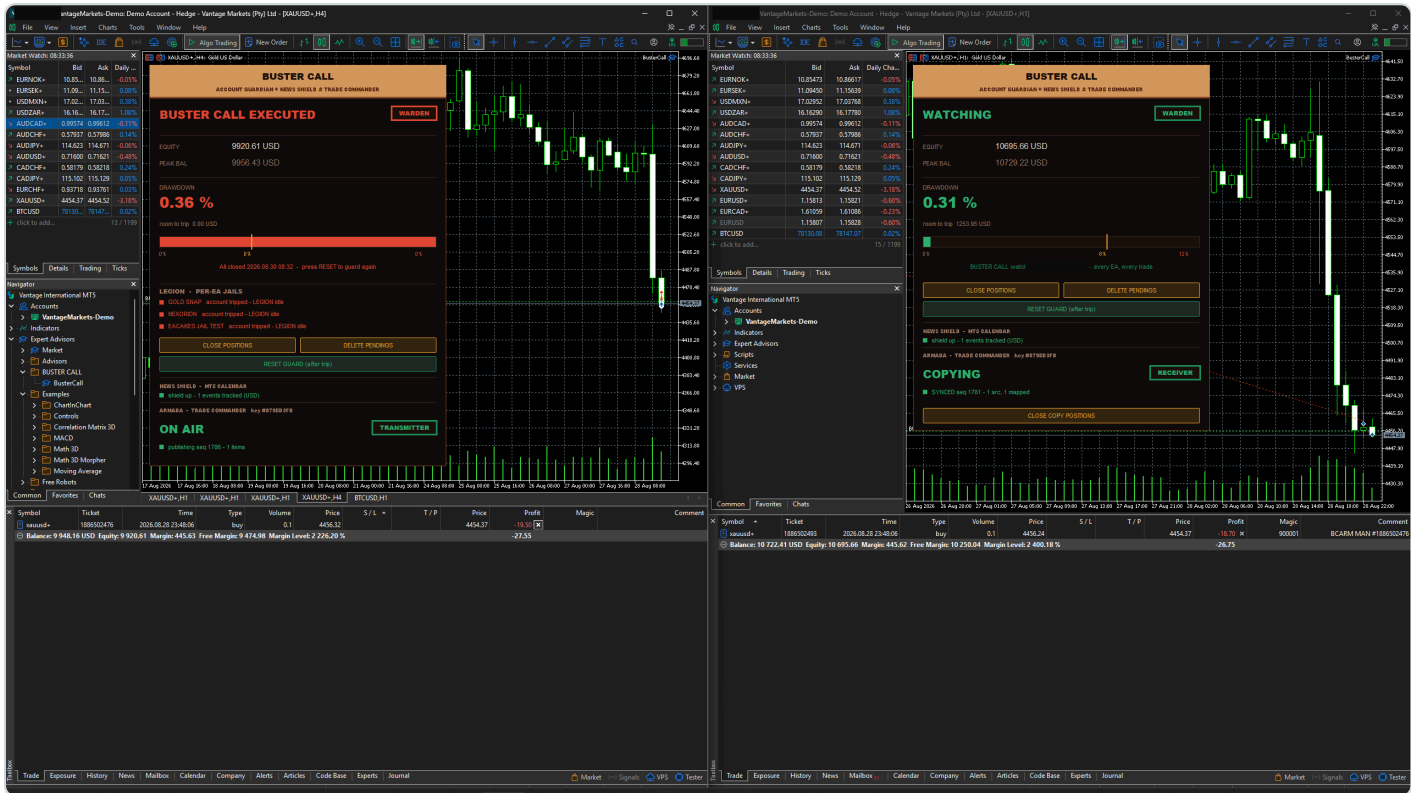
• 2026.08.29 00:33:55.928 BusterCall (XAUUSD+,H1) BUSTER CALL: a PREVIOUS TRIP was restored from the file mirror - this account was left tripped and the global variable expired. Still patrolling. Press RESET GUARD when you mean to trade again.
• 2026.08.29 00:33:55.928 BusterCall (XAUUSD+,H1) LEGION unit 0: GOLD SNAP (2 magic keys, 0 symbol keys, budget 15.0%)
• 2026.08.29 00:33:55.928 BusterCall (XAUUSD+,H1) LEGION unit 1: NEXORION (1 magic keys, 0 symbol keys, budget 10.0%)
• 2026.08.29 00:33:55.928 BusterCall (XAUUSD+,H1) LEGION unit 2: EACAKES JAIL TEST (1 magic keys, 0 symbol keys, budget 12.0%)
• 2026.08.29 00:33:55.928 BusterCall (XAUUSD+,H1) LEGION: 3 units enlisted.
• 2026.08.29 00:33:55.969 BusterCall (XAUUSD+,H1) BORIS: terminal config inspected - all systems green.
• 2026.08.29 00:33:55.969 BusterCall (XAUUSD+,H1) NEWS SHIELD: layered feeds - MT5 calendar first, FF JSON + mirror on standby (whitelist nfs.faireconomy.media + cdn-nfs.faireconomy.media).
• 2026.08.29 00:33:56.438 BusterCall (XAUUSD+,H1) ARMADA REMOTE: note - remote copier shares this chart with the equity guardian; a slow relay can delay the guard by up to the HTTP timeout (<=1.5 s, then backoff). For belt-and-braces run the rem
• 2026.08.29 00:33:56.438 BusterCall (XAUUSD+,H1) ARMADA TRANSMITTER on air [LOCAL + REMOTE relay] h 1787949236 key #879ED3FB
• 2026.08.29 00:33:56.592 BusterCall (XAUUSD+,H1) ARMADA REMOTE: master confirmed on the relay.
• 2026.08.29 00:33:56.601 BusterCall (XAUUSD+,H1) BUSTER CALL on guard. PeakBalance=10016.73 Trip=12.0% Mode=WARDEN [TRIPPED STATE RESTORED]

```

Fig. 14 — Back from a hard process kill: we opened Task Manager and ended the terminal's process ourselves, mid-trip, to see whether the trip would survive us. It did — the panel returns already **BUSTER CALL EXECUTED**, nobody pressed anything. The journal below tells the whole resurrection: the trip came back from the file mirror after the kill took the global variable with it, BORIS re-inspected, ARMADA went back on air, and the on-guard line ends **[TRIPPED STATE RESTORED]** — even though the EA reloaded with different dials (Trip 12 %), because a persisted trip outranks whatever the dials say on reload.



The same resurrection, on the phone: the restart push says the trip was restored from the file mirror and the guardian is still patrolling; five minutes later the second push names the only thing that ever lifts a trip — RESET GUARD, pressed by hand, on the panel. We looked at the account, made the call, and pressed it — the guardian never does that part for you. You are told both times — nothing about a trip is ever silent.



2026.08.30 09:28:24.683	BusterCall (XAUUSD+,H1)	ARMADA: src 1887812704 closed - copy 1887812709 closed in sync.
2026.08.30 09:28:24.896	BusterCall (XAUUSD+,H1)	ARMADA: copied src 1887812704 -> rx 1887812751 BTCUSD lot 0.10
2026.08.30 09:28:25.109	BusterCall (XAUUSD+,H1)	ARMADA: src 1887812333 closed - copy 1887812683 closed in sync.
2026.08.30 09:28:25.469	BusterCall (XAUUSD+,H1)	ARMADA: src 1887812704 closed - copy 1887812751 closed in sync.
2026.08.30 09:29:36.799	BusterCall (XAUUSD+,H1)	ARMADA: copied src 1887813538 -> rx 1887813542 BTCUSD lot 0.10
2026.08.30 09:32:07.112	BusterCall (XAUUSD+,H1)	ARMADA: transmitter restarted (new epoch) - SYNC-HOLD 3s, no opens or closes until the book settles.
2026.08.30 09:32:09.520	BusterCall (XAUUSD+,H1)	ARMADA: src 1887813538 closed - copy 1887813542 closed in sync.

Fig. 15 — Tripped transmitter (left) and the receiver that followed the sweep (right). We set this trap ourselves on a Saturday, on Bitcoin — the only book open to drill on: opened a fresh BTC pair, tightened the master's trip, and let it walk. The master trips — **BUSTER CALL EXECUTED**, WARDEN patrolling — and the follower's copies die with it (journal below: src closed — copy closed in sync, the close filled in 207 ms), while the follower's own guard stays green **WATCHING**, because guards are independent and a master's trip is never allowed to trip you. And one more truth, left in on purpose: a gold position from Thursday still sits on both books — gold's market was closed, the broker refused the close, and the sweep took everything the market would give it. The patrol stood by for Monday's first tick to hand over the rest ([§2](#) is exactly this honesty) — and this very drill is why it now waits in silence instead of ringing your phone about a market that cannot answer.

14. The guardian — questions people actually ask

"My account has a credit or bonus. Is 12% still 12%?"

Yes — of your real money, by default. BORIS names the credit at attach and tells you which way it is counted. If the account is funded *entirely* as credit, set **Count broker CREDIT as capital** to true; Buster Call refuses to load otherwise, rather than pretend to guard nothing.

"It came back after a power cut. Is the trip still there?"

Yes — [TRIPPED STATE RESTORED] . Trips, jails and peaks are written the moment they change.

"The LEGION rows say SYNCING after I attached."

Normal for a few seconds: jail math waits until the deal history genuinely contains the unit. If it lasts two minutes you get a push naming the unit — press FREE on that row to restart its accounting. The jail holds until you do; it never lapses on its own.

"Why does Buster Call refuse to load?"

Three reasons, and the journal always says which:

- A trip level of ≤ 0 or > 100 — not a guard setting at all.
- A **credit-only account with the capital lens off**, which would make the guard inert ([§6](#)).
- **A second Buster Call already guarding this account.** Two copies would fight over the same peak state, so the second one stops with `another guardian Buster Call is live`. This is the one most people meet — usually a leftover chart in another window, or the same account open in two terminals.

"Can I run it on the same account as my other EAs?"

That is what it is for. Buster Call opens no trades of its own; it only ever closes. Give each EA a LEGION slot ([§8](#)) and it will police them individually.

15. The guardian — every input on this organ

Defaults are the shipped values, read directly from the build this manual was generated against. Anything not listed here belongs to another organ and appears at the end of its own part.

Input	Default	What it does
InpGuardEnable	true	Equity guardian ON (OFF = News Shield + ARMADA only)
InpMaxDDPercent	12.0	Trip LEVEL % - a TRIGGER, not a loss cap (spike/gap can overshoot)
InpWarnPercent	8.0	Warning % (push notification only)
InpCreditIsCapital	false	Count broker CREDIT/bonus as capital? (false = guard REAL money only)
InpAnchorMode	ANCHOR_BALANCE	Drawdown measured from
InpTripMode	TRIP_WARDEN	Action when tripped (WARDEN patrols; NUKE also closes terminal)
InpDailyLossPct	0.0	DAY GUARD daily loss trip % (0 = OFF) - set it 20-30% INSIDE your prop firm's daily line (firm 5% -> dial 3.5-4); halts, re-arms at server midnight
InpDailyWarnPct	0.0	DAY GUARD warning % (0 = auto: 70% of the daily trip line)
InpPushAlerts	true	Send push notifications (MT5 mobile)

LEGION units. Five identical slots, plus one overflow line:

Input	Default	What it does
InpL1_Name	empty	EA name (blank = auto from trade comment)
InpL1_Keys	empty	Magic numbers (lists/ranges ok) or symbol
InpL1_DD	0	DD budget % (0 = slot OFF)
InpL1_Group	LGRP_NONE	Exclusion group

Units 2–5 are identical in every respect; only the slot number differs — `InpL2_Name` `InpL2_Keys` `InpL2_DD` `InpL2_Group` · `InpL3_Name` `InpL3_Keys` `InpL3_DD` `InpL3_Group` · `InpL4_Name` `InpL4_Keys` `InpL4_DD` `InpL4_Group` · `InpL5_Name` `InpL5_Keys` `InpL5_DD` `InpL5_Group` .

Input	Default	What it does
<code>InpPerEALimits</code>	<i>empty</i>	Extra units: "12001-12009,9314:10:GR:G1L;GBPUSD:5"
<code>InpAdminDeviationPts</code>	<code>300</code>	Admin close deviation, points (group bar / jail patrol)

Input	Default	What it does
<code>InpDailyReport</code>	<code>true</code>	Daily status push (MT5 mobile)
<code>InpReportHour</code>	<code>21</code>	Report hour, server time (0-23)
<code>InpCopyTag</code>	<i>empty</i>	Copy-trade comment tag ("" = auto-adopt <code>InpArmTag</code> when copier is on)

Part II

THE NEWS SHIELD

An account-level lockdown that does not take an EA's word for anything

16. Why the shield sits at the account level

On CPI day an EA's "Filter high-impact news: ON" silently did nothing, and the account paid for it. Buster Call's answer is structural: **it does not trust any EA's filter**. It reads the calendar itself, opens a window around each selected event, and inside that window enforces the account's rule against everything on the account — including EAs that were never told the shield exists.

*The hierarchy is fixed and worth memorising. **The trip stands above news** — a tripped account needs no shield. **The shield stands above the copier** — while a lockdown is active, ARMADA places no new copies.*

17. Configuration, and the three feed layers

Dial	Meaning	Recommended
Enable News Shield	Master switch. Disabling it also clears the headline and footer it owned.	ON
Currencies to shield	A comma list; empty means all of them. XAUUSD counts as USD (its profit currency), and broker suffixes resolve automatically.	USD
Lockdown starts / ends	Minutes before and after each event. Over 120 and BORIS warns — that is permanent-lockdown territory.	15 / 15
Medium impact too	Shield medium-impact events as well as high.	off
Scope	CURRENCY: only symbols whose base or profit currency matches the event — USD news locks XAUUSD and spares GBPCAD. ACCOUNT: everything, regardless.	CURRENCY
Behaviour	BLOCK NEW: positions open before the window survive as "veterans"; new ones are closed on sight. FLATTEN: close the scope immediately and keep it flat. Pendings are deleted in both modes.	BLOCK NEW
Backup web feeds	Automatic calendar failover when the broker feed dies. Needs the whitelist from Getting started .	ON

Three feed layers

1. **The MetaTrader Economic Calendar** — broker-delivered, server-time native, needs no internet permission. This is the primary.
2. **A web calendar (JSON)** — automatic failover the moment the primary goes quiet. Zone-stamped timestamps are converted to server time.
3. **A mirror of that web calendar** — a second host carrying the same data.

Failover and recovery each push you an alert, and the panel tags [FF] or [FF2] while a backup is feeding. A *healthy-but-empty* primary — a fresh VPS whose calendar has not synced yet — is confirmed against a backup before "quiet week" is believed. And a failed fetch never erases the last good event list: **stale beats blind**.



MetaTrader 5

1:06 AM

BUSTER CALL NEWS SHIELD: broker calendar
dead – fallback feed active: FF JSON.

The News Shield does not go quiet when a feed dies. When the broker's own calendar stops answering it says so and names the layer that took over — here the web JSON feed, which the panel tags `[FF]`. A shield you cannot see is a shield you cannot trust.

18. Inside a lockdown

- The headline turns amber **NEWS LOCKDOWN**; the shield line names the event and counts down to the lift. Pushes go out at lockdown and again at lift.
- **BLOCK NEW** snapshots the positions that were alive when the window opened. Those veterans live; anything new in scope is closed on sight; every pending in scope is deleted.
- **FLATTEN** closes the scope at once and keeps it flat.
- Enforcement is a **patrol, not a gate**. An EA that re-replaces a pending sees it erased again within a few hundred milliseconds — measured on a live scalper: a replacement placed 41 ms after the deletion was erased 0.43 s later.
- Enforcement closes run at the fire deviation ([§4](#)). News time is requote time.
- If the broker *refuses* a close — and news is exactly when that happens — enforcement backs off rather than hammering: it retries every 1.5 s while the market is open, every 30 s if the market is closed or trading is disabled, and says which in the journal. A refused close is not abandoned; it is simply not re-sent five times a second at a moment when your broker is already struggling. **A new trade appearing resets that wait immediately**, so a stuck ticket never buys a fresh one a holiday.
- Closing positions and deleting pendings back off **independently**. Deleting an order does not cross the spread and cannot be requoted, so a refused *close* never delays the deletions — the half of the sweep that almost always succeeds keeps running at full speed.

If your EA's pendings keep vanishing, look here first. Pendings die in *both* news modes. Every one is named in the journal as it goes — ticket, symbol, lots, price, magic and comment — and anything the shield could not delete is flagged as still live. A running total is pushed to your phone, at most once every 30 seconds: an EA that re-replaces its orders through a lockdown would otherwise generate a push several times a second, which is noise rather than notice. So "where did my pending orders go" always has an answer on record. The usual cause is an oversized window: a drill value left behind puts the terminal in permanent lockdown, and BORIS warns about it at every attack.

"It is locked down now and I want it to stop." There is no cancel button, and that is deliberate — a shield you can wave away in a panic is not a shield. What you can do:

Wait it out. The panel names the event and counts down to the lift. The default window is 15 minutes either side of the event, so the longest you can be waiting is 30.

Shorten the window. Reduce *Lockdown ends* and press OK. The lift is recomputed from the event time, so a window that has already passed lifts on the next pulse. This is the usual fix when a drill value was left behind.

Turn the Shield off. Setting *Enable News Shield* to false mid-window ends the lockdown at once and clears the headline. Nothing is closed on the way out and nothing that was closed comes back; positions the lockdown had been holding flat are simply free again. Remember to turn it back on.

What the Shield does reach, while it is up. It is not confined to new entries and pendings. On FLATTEN it closes the scope outright; on either mode it closes in-scope trades opened inside the window on sight; and it holds the copier — ARMADA places no new copies *on the symbols the window covers* until the lift, whatever the copier's own news setting says. On the default CURRENCY scope that is the event's currencies only, so a EURJPY copy still opens during a USD release; on ACCOUNT scope it is everything. A mirrored copy the Shield closes is **tombstoned**: its source may still be open on the master, and it will not be re-copied when the window lifts. You are pushed a notice when that happens. The guardian's trip line is the one thing above it and is never affected.



Fig. 16 — A lockdown as it actually happens — we caught this one on our own live account, during a real USD New Home Sales release, not on a drill rig. The headline reads **NEWS LOCKDOWN** and the shield line names the event and counts down — lifts in 13m — while the guardian carries on underneath it: drawdown **0.00 %**, 3,229 USD of room to the trip line, and the amber warn tick at 15 % on a 30 % scale. The feed answering is named as well (**MT5 CALENDAR**), so you can see which of the three layers is in use. Five **LEGION** units are enlisted, two of them grouped — one tagged **[G1L]** as leader, one **[G1]** as its member — and the copier is untouched by any of it: **ON AIR**, publishing. A lockdown restricts new entries in scope; it does not stand the guardian down. Set it beside [Fig. 1](#), the same panel on the same account twenty minutes earlier: the only blocks that changed are the headline and the shield line.

19. The drill, and a live record

The drill. Set **Lockdown starts** to 6000, so the next high-impact event within about four days locks the account instantly. Verify the panel, the push and the enforcement, then restore it to 15. BORIS will warn about the window until you do — which is itself part of the test.

A live, unscripted lockdown on a real USD PPI release — detected from the calendar, enforced on sight, lifted on schedule:

BUSTER CALL NEWS SHIELD: LOCKDOWN - USD PPI m/m at 13:30. Closing scope + blocking new trades, lifts in 30m.

... canceled order #1761127913 (pending, closed on sight)

... the EA re-placed a new order 41 ms later

... canceled order #1762165184 (the replacement - erased in 0.43 s)

... lockdown lifted - USD PPI m/m window closed. Trading free again.



16:15

**BUSTER CALL NEWS SHIELD: LOCKDOWN -
USD Durable Goods Orders m/m at 15:30.
Blocking new trades, lifts in 30m.**



16:45

**BUSTER CALL NEWS SHIELD: lockdown lifted -
USD Durable Goods Orders m/m window closed.
Trading free again.**

Fig. 18 — A complete window, straight off our own phone on an ordinary release evening: LOCKDOWN — USD Durable Goods Orders m/m at 16:15, and its closing bookend thirty minutes later — window closed. Trading free again. You are told when a window opens and told again when it closes, by name, so a shield that went up while you were away never leaves you guessing whether it came back down.



18:15

**BUSTER CALL NEWS SHIELD: LOCKDOWN -
USD EIA Crude Oil Stocks Change at 17:30.
Blocking new trades, lifts in 30m.**



18:45

**BUSTER CALL NEWS SHIELD: lockdown lifted -
USD EIA Crude Oil Stocks Change window
closed. Trading free again.**

Fig. 19 — The same evening, same phone, a different battlefield: USD EIA Crude Oil Stocks Change — locked at 18:15, freed at 18:45. The shield reads the whole calendar, not just the famous prints: an energy inventory release gets the same lockdown, the same named push, the same punctual lift as an NFP. If it can move your book, it is on the watch list.

20. The News Shield — questions people actually ask

"The shield is up. Does that mean nothing trades?"

No. `shield up - N events tracked` means armed and watching; trading is completely normal. Only **NEWS LOCKDOWN** restricts anything, and only inside the window — by default 15 minutes either side of a high-impact event in your watchlist. Inside one, on BLOCK NEW: trades already open survive, new entries are closed on sight, pendings are deleted, and ARMADA pauses new copies until it lifts.

"Does the shield need internet access?"

No. The primary feed is the terminal's own calendar, which arrives from your broker. The whitelist is only for the two backup feeds — worth having, since a broker calendar that goes quiet on CPI day is exactly when you want a second opinion.

"My broker's symbols have a suffix. Will currency scope still work?"

Yes. Suffixes resolve automatically, and metals are matched on their profit currency — so USD news locks XAUUSD.

21. The News Shield — every input on this organ

Input	Default	What it does
<code>InpNewsShield</code>	<code>true</code>	Enable News Shield (lockdown around news)
<code>InpNewsCurrencies</code>	<code>USD</code>	Currencies to shield, comma list (empty = all)
<code>InpNewsBeforeMin</code>	<code>15</code>	Lockdown starts (minutes before event)
<code>InpNewsAfterMin</code>	<code>15</code>	Lockdown ends (minutes after event)
<code>InpNewsMediumToo</code>	<code>false</code>	Also shield medium-impact events
<code>InpNewsScope</code>	<code>NEWS_SCOPE_CURRENCY</code>	Lockdown scope
<code>InpNewsMode</code>	<code>NEWS_MODE_BLOCK_NEW</code>	Lockdown behaviour (BLOCK_NEW spares positions open before the window; pendings die in both)
<code>InpNewsBackup</code>	<code>true</code>	Backup web feeds if calendar dead (needs whitelist)

Part III

ARMADA — THE TRADE COMMANDER

One account publishes its book; others mirror it. The guardian stands over both ends.

22. What ARMADA is — and is not

A **transmitter** publishes a snapshot of its book the instant a trade event happens — and at least once per pulse as a heartbeat. Each frame carries a header, one row per position, one per pending, an END count and a signature computed under the channel key. A **receiver** on another account reads it every pulse, verifies the signature, rejects anything older than its watermark, and reconciles: open what is new, modify what changed, close what closed — scaled to its own balance.

It is	It is not
A mirror between two MT5 accounts, and a second place the guardian watches.	A latency product. See the honest numbers in §24 . Do not mirror tick scalpers, or anything whose target is smaller than about ten times the spread.
One-to-many. One transmitter can feed many receivers — sharing the channel key on the same machine, or up to 50 followers each with their own token across the internet. One receiver per account; a second on the same account is refused.	A way to inherit a stranger's open book. The moment a follower first pairs, that instant is stamped per channel. Positions the master opened before it are never copied — NEW TRADES ONLY , the default, each skipped one named in the journal. Everything from that moment on mirrors normally, restarts and outages included.
Cross-broker capable , with care: set <code>InpArmSymbolMap</code> (for example <code>XAUUSD=GOLD,US30=DJ30</code>) so nothing has to be guessed. Where the map is silent a symbol is matched only if it can be verified, and refused outright if it cannot.	A folder to sync between machines. Across machines, use the REMOTE link (§30). Syncing the Common folder between computers is the dangerous workaround — do not.

23. What is mirrored, exactly

This is the first thing to know about any copier, so here it is in full. **A copy is not a snapshot taken once at entry** — it is kept in step with its source for as long as both are open.

On the master	On the follower
Opens a position	Opens the same direction on the matched symbol, sized by your lot rule, carrying the master's stop loss and take profit as they stood at that moment. A master level that sits <i>inside</i> your broker's minimum stop distance is nudged to the nearest legal level (v3.28) — a stop a few points wide of the master's beats a stop the broker refuses to hold at all — and you are told once per trade. A master position already past its own stop at your market is never copied at any age: a blown level is a skip, never a nudge.
Moves the SL or TP	The copy is modified to match, within a pulse. A move smaller than half a point is ignored as noise. If the broker rejects the change — market closed — it is retried, not forgotten. A level the master moved <i>inside</i> your broker's minimum stop distance is different (v3.28): the copy keeps the stop it already has — a fixed stop that can fire beats one nudged along with the price — and re-syncs the moment the master's level is legal on your book.
Closes part of a position	The copy is part-closed by the same proportion , rounded down to the follower broker's volume step. If that partial close is rejected, the copy is not written off as done: it stays oversized, it is retried, and you are told.
Closes the position	The copy closes with it.
Places, moves or deletes a pending	Mirrored the same way, including price and both stops. A copied pending that fills becomes a position copy.
ADDS to a position (increases its volume)	The copy does not grow — and it does not shrink later either. The follower keeps the size it copied, and a subsequent scale-out is measured against <i>that</i> size, never against the master's enlarged one.

Why a growing position is not chased. On a netting account, "the volume went up" and "a second EA opened a trade on the same symbol" look identical from the outside. Chasing the increase would mean guessing, and the wrong guess doubles your exposure at a price nobody chose. Scaling out is unambiguous and is mirrored; scaling in is not.

If your strategy pyramids, either run it on a **hedging account**, where each entry is its own position and is copied normally — or accept that the follower holds the first tranche. It holds that tranche whole: if the master later trims back to the size he started with, nothing happens on the follower, because the follower never took the addition. **Only a reduction below the copied size is mirrored, and then only in proportion to it** — measured against the size this follower actually took, on every path, including a copy adopted after a restart or a re-key.

One limit worth knowing if your follower is much smaller than the master. A scale-out is mirrored as a fraction, and a fraction of a small copy can come out below your broker's minimum volume step — and nothing can close less than one step. When that happens the cut cannot be made at all, so your copy is left holding proportionally more than the master. Buster Call says so once, naming the position, rather than letting it pass in silence:

```
ARMADA: the master scaled out of src ..., but the matching cut on your copy
(0.0050 lots) is smaller than this broker's minimum step (0.01) - it cannot be closed.
Your copy now holds proportionally MORE than the master. Raise your lot ratio or use
FIXED lots if that matters.
```

One lot here must be worth one lot there. Symbols are matched by name, and that is not enough on its own. A **Micro account** lists `XAUUSD` under exactly that name while one lot is a tenth or a hundredth of the size, and nothing about the name tells you. So the master publishes its contract size with every position and the follower compares it. Under PROPORTIONAL lots, a mismatch means **nothing is copied**, and you are told once per symbol:

```
ARMADA: XAUUSD is one contract of 100 on the master and 1 here, so a same-size copy
would carry 0.01 of the master's exposure - nothing is copied. This is the reduced-contract (Micro)
account case. To mirror it deliberately, switch to MULTIPLIER lots and set MULTIPLIER = 100,
which restores the master's exposure.
```

Read the two numbers carefully: on that example a same-size copy would be a **hundredth** of the master's position, not a hundred times it. The message gives you both the exposure fraction and, more usefully, **the multiplier to type**.

The way through is one dial, and it works. The refusal applies to PROPORTIONAL only — the mode that sizes from the two balances and therefore has to trust the units. Switch to **MULTIPLIER** or **FIXED** and copies proceed: you have taken sizing into your own hands, which is what this situation calls for. The journal keeps telling you the factor, once per symbol, instead of refusing.

Different account currencies are converted, not refused. A EUR follower behind a USD master is an ordinary pair, and PROPORTIONAL now sizes it correctly: Buster Call looks for a symbol on your broker that quotes the two currencies against each other and converts the master's balance before comparing. That was not true before — the two balances used to be compared as bare numbers.

Where your broker quotes *no* rate between them, the balances genuinely cannot be compared, and that case is refused rather than guessed. In practice it means one thing: a **cent-denominated account** (`USC` rather than `USD`), where a \$10,000 master against a 1,000,000 USC follower would otherwise size every copy 100× too large. MULTIPLIER and FIXED are unaffected.

When either check refuses, the panel says so — the ARMADA line carries `[SIZING REFUSED]` for as long as it lasts, so a mirror that is copying nothing never looks like a mirror with nothing to copy.

Contract VALUE is checked too (v3.28). Two symbols of the same contract size can be worth different money per price move — index and crypto CFDs are notorious for it, one broker's `NAS100` paying \$1 per point where another's pays \$20 on the “same” contract. So the master now publishes each symbol's tick value and tick size with every row, and the follower compares the **per-lot value of a 1.0 price move**, converted between the two account currencies. Same doctrine as the contract check: under PROPORTIONAL a mismatch beyond 5% copies **nothing** and names the multiplier to type; under MULTIPLIER or FIXED the sizing is yours and the journal tells you the factor once. Both ends must run v3.28 or later — against an older master the check stands down and says so in the journal. A symbol whose two values hover right at the 5% line can alternate between copying and refusing as the FX conversion breathes; if you see that, take the hint and set the size yourself with MULTIPLIER.

Every copy names its source. The comment on a mirrored trade reads `BCARM MAN #1797107399` — a manual trade on the master, source ticket 1797107399 — or `BCARM GOLDSNAP #...` for an EA's trade, by that EA's name.

24. First decision — which link?

Option A — LOCAL		Option B — REMOTE
When	Both accounts run on the same computer or the same VPS, in two MT5 terminals side by side.	The accounts are in different places — your VPS and a friend's, different countries.
How	A signed file in the terminal's Common folder.	A signed frame through a relay you deploy and own.
Speed	The receiver polls every 50 ms by default, so the copy request leaves within 50 ms of the master's fill — often far sooner. Then your broker's round-trip.	About 1–2 s to the copy request at the shipped 2000 ms poll, plus the broker's round-trip.
Who holds what	Master and every follower type the same channel key .	Master keeps the channel key ; each follower gets their own token , minted by the master and revocable one by one.
Setup	\$25	\$30 and \$32

Same machine → LOCAL. Anything else → REMOTE. You can run both at once: a local mirror beside you and remote followers abroad, from the same master.

A measured LOCAL pair, for calibration — one sample on a demo pair at the default 50 ms pulse:

```
14:57:36.684 master:  deal #1484056067 buy 0.10 XAUUSD+ at 4366.79 done
14:57:36.685 receiver: market buy 0.09 XAUUSD+          <- copy request
14:57:36.894 receiver: deal #1484056070 buy 0.09 at 4366.79 done  (broker round-trip)
14:59:51.487 master:  deal sell 0.10 XAUUSD+ at 4367.36 done (close)
14:59:51.510 receiver: market sell 0.09, close #1797777660      <- close in sync
```

That sample caught the poll at a lucky moment. **Do not read 1 ms as the specification** — the receiver wakes on a 50 ms cadence, so a fill can land anywhere inside that window and the honest expectation is a couple of dozen milliseconds, bounded by 50. The part you actually control is the broker leg: a VPS near your broker is worth more than any pulse setting.

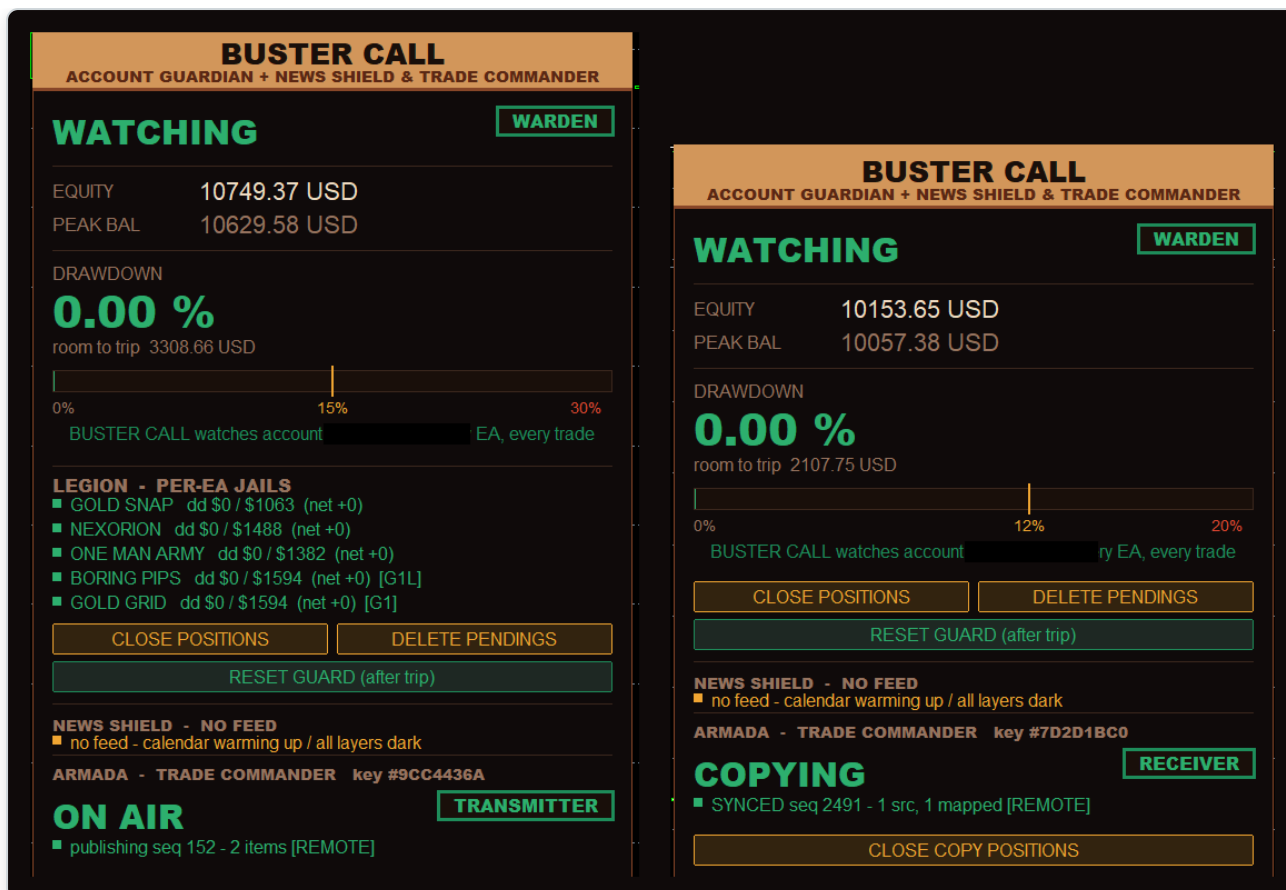


Fig. 20 — A live REMOTE pair. Left, the master: **ON AIR**, publishing. Right, the follower: **COPYING**, **SYNCED seq 2491 - 1 src, 1 mapped**, with the **CLOSE COPY POSITIONS** button only a receiver has.

Two things here catch people out and both are correct. **The key hashes differ** — **#9CC4436A** against **#7D2D1BC0** — because on the REMOTE link the follower shows the hash of its own token, not of the master's channel key; matching hashes are a LOCAL-link check only, and here you judge the pair by **COPYING · SYNCED seq** instead. And **the sequence numbers differ**, because each end counts its own. Note also that the two accounts keep entirely separate guards: 30 %/15 % on the master, 20 %/12 % on the follower, each with its own room-to-trip. The follower is WARDEN, which a receiver must be. Both shields read no feed — calendar warming up: these terminals had just started, and the Shield says so rather than reporting a quiet week it cannot see.

25. Option A — LOCAL: pairing two terminals on one machine

You need	Why
Two MT5 terminals on one machine	The channel is a local file. Do not sync that folder between machines.
Two accounts, same broker	Same symbols, same clock, same contract sizes. Across brokers, use REMOTE and set <code>InpArmSymbolMap</code> .
Buster Call on one chart in <i>each</i> terminal	The copier is an organ of the guardian; each end keeps its own guard.
A channel key, 8+ characters, your choice	Signs every frame and names the receiver's state file. Private.
The master's login number	The receiver listens for exactly that account.
Algo Trading ON and push paired, on both	It cannot trade without the first; you cannot hear it without the second.

Rule of the pair: the receiver is always **WARDEN**, never **NUKE** · the orphan policy is **HOLD** · and you **never change the key while copies are open**.

1 Choose the key. Something you can type twice without error, e.g. `Gold-Shield-Key-2026`. Write it down — presets you save later contain it in plain text.

2 Transmitter terminal. Attach Buster Call to one chart. Set the guard as you like. In **ARMADA — TRADE COMMANDER: Copier role = TRANSMITTER, Channel key** = your key. Everything else default. OK.

```
ARMADA TRANSMITTER on air. Account <login> epoch ... key #XXXXXXXX
```

Panel: **ON AIR · publishing seq N – K items**. Note the 8-hex hash.

3 Receiver terminal. Attach Buster Call to one chart. In the guard group set **Action when tripped = WARDEN**. In the ARMADA group: **Copier role = RECEIVER · Transmitter account number** = the master's login · **Channel key** = the same key · **Orphan policy = HOLD · Heartbeat timeout = 15 · Sync-hold = 3**. Leave the receiver magic/symbol filters empty to copy everything. OK.

```
ARMADA RECEIVER armed. Listening for account <master> - 0 copies mapped, key #XXXXXXXX
transmitter restarted (new epoch) - SYNC-HOLD 3s
```

Panel: RECEIVER pill, **the same hash**, COPYING.

4 Prove it. Place a small manual trade on the master. Within about two seconds the receiver logs `copied src ... -> rx ... lot ...`, the panel reads **SYNCED seq N – 1 src, 1 mapped**, and the copy's comment reads `BCARM MAN # <source ticket>`. Close the master trade → `closed in sync`.

5 Save both presets (e.g. `ARMADA-TX-<login>.set` / `ARMADA-RX-<login>.set`). They re-attach the pair in one click and carry the key — keep them private.

Acceptance checks for any new pair

Run these after every pairing and after any key change.

Check	How	Pass
First copy	Manual 0.10 on the master.	<code>copied src → rx</code> in ~2 s, comment <code>BCARM MAN</code> <code>#... .</code>
Close in sync	Close the master trade.	<code>closed in sync ; 0 mapped.</code>
Master terminal closed with a copy open	Close the master terminal, wait 35 s, reopen.	<code>SIGNED OFF ... HELD ;</code> no order operations; on reopen <code>feed revived ;</code> no recopy.
Key mismatch	Change one character on one side.	Receiver goes amber COPY HOLD, the two hashes differ, nothing copies and nothing closes. Restore → COPYING within a pulse.
Pyramid	Add to a master position, then trim it back to its original size.	The follower does neither — it holds the size it copied, unchanged, throughout.

26. The copier settings, explained

Setting	What it does
Copier role	OFF / TRANSMITTER / RECEIVER. Never has a useful default — it is a per-chart identity.
Transmitter account number	Required on a receiver. Ignored on a transmitter, which publishes under its own login.
Channel key	Minimum 8 characters on the LOCAL link; 16+ random characters required on a REMOTE master, and refused otherwise — it is your relay identity. It signs every frame, and its hash names the receiver's state file (see §28).
Receiver magics / symbols	Filters, chosen by the follower: empty = ALL · 0 = manual trades only · 0,34568 = manual plus that one EA.
Lot mode / value	PROPORTIONAL by balance, MULTIPLIER, or FIXED. There is no margin or ratio ceiling on FIXED — a mis-set fixed lot goes straight through. Check it twice.
Copy pending orders	Mirror pendings too, copied/modified/deleted in sync.
Max lot · Max margin % · Max open copies	The follower's ceilings: never a copy above this many lots · skip any copy that would consume more than this share of free margin · never more than this many copies open at once. The follower's risk appetite outranks the master's. Zero means no cap, which is not recommended. Copied pending orders count too, on both sides of the fence: they count toward the open-copy ceiling while they sit racked, and they are margin-checked <i>as though they had already filled</i>, at the price they would fill at. A master running a grid of twenty-five pendings cannot rack twenty-five here against a ceiling of ten and then blow past both dials when a news candle fills them — and market copies count the racked pendings too, so ten of each cannot slip through as twenty. The margin ceiling is aggregate (v3.28): a candidate must fit inside the dial <i>together with</i> the fill cost of every pending already racked — ten orders that each pass alone can no longer collectively bury the account the day they all fill. A copy refused by a ceiling is deferred, not abandoned: it is reconsidered on every pulse and goes in as soon as a slot frees, provided the price is still inside your drift gate. The push says "SKIPPED for now" when that is what it means.
Max entry drift (points)	A source entry is skipped if the market has moved further than this since the master's fill. Points here means the MASTER's points (v3.28) — the frame his chart shows — so the dial keeps one meaning across brokers whose price digits differ. If you tuned this dial against your own broker's points on a book with different digits, re-check it; the journal tells you once per symbol when the two frames differ. It applies to every copy under NEW TRADES ONLY, not only a fresh one — a copy held back by a ceiling, by margin or by a news lockdown is retried, and by the time a slot frees the master's price may be a long way off. That means a deferred trade can end up never copied: if price never comes back inside the gate, the mirror simply misses it, and Buster Call pushes you a notice saying exactly that rather than leaving you to assume it is still queued. Entering 900 points behind the master is worse than not entering. Under COPY THE WHOLE BOOK an old position is mirrored at market by definition, so the gate applies only to fresh entries there. Zero switches it off.

Orphan policy	HOLD: a dead transmitter leaves copies on their own SL/TP. FLATTEN closes them at market — and then any false death mass-closes your mirror. Keep HOLD.
Master already has positions?	NEW TRADES ONLY (default) or COPY THE WHOLE BOOK — see the box below.
Heartbeat timeout (s)	A feed older than this means the transmitter is dead. Minimum 5; below that a frame one second old already reads as dead and the receiver flip-flops.
Sync-hold on restart (s)	A settle window after a transmitter restart — no opens or closes while the master's broker sync completes. Use 3.
Re-alert every N min	While copies sit unmanaged, re-push with elapsed time and the live count. Zero means one alert only, which is not recommended.
Copier pulse (ms)	Receiver poll and transmitter heartbeat, 20–200 (outside that it is clamped and BORIS says so). Publishing is event-driven on top of it. Lower is faster and costs CPU; 50 is the sweet spot. The guardian keeps its own 200 ms cadence regardless.
Copier slippage (points)	Deviation allowed on copier orders only — the copies it opens, the pendings it places, the scale-outs it mirrors and the closes it makes in step with the master. Two copier exits deliberately ignore it and take any price, because both are forced closes with no master left to reference: the orphan FLATTEN and the CLOSE COPY POSITIONS button. It never touches a guardian sweep, which has its own fixed fire deviation (\$4).
Copier magic	Stamped on every copy — it is how the guardian and LEGION tell copies apart. Choose a number no EA on the account uses; a collision would make that EA's trades look like copies.
Copy comment stamp	The tag at the head of every copy comment, capped at 8 characters so the source ticket always fits inside MetaTrader's 31-character limit. Rename only while flat.
Respect News Shield lockdown	Informational only — the shield always wins while armed, and BORIS tells you so if you turn this off.

ARMADA - TRADE COMMANDER	
Copier role (OFF = module dormant)	TRANSMITTER - broadcast this account's trades
Transmitter account number (receiver: required)	0
MASTER (and LOCAL followers): channel key - min 8 chars LOCAL,	
Receiver magics: empty=ALL, 0>manual, 0,34568>manual+EA	
Receiver symbols: empty=ALL (best for multi-symbol EAs)	
Lot mode (proportional by balance / multiplier / fixed)	PROPORTIONAL - scale lots by balance ratio
Lot value (ratio / multiplier / fixed lots)	1.0
Copy pending orders	true
FOLLOWER ceiling: never open a single copy above this many lots	1.0
FOLLOWER ceiling: skip a copy that would eat more than this % o	20.0
FOLLOWER ceiling: max open position copies at once (0 = no cap)	10
Max entry drift (points) for fresh entries - 0 = no gate	300
Orphan policy if transmitter dies	HOLD - keep orphan copies open, you decide
Master already has positions? Default: copy NEW trades only	NEW TRADES ONLY - never inherit positions the master already he
Heartbeat timeout (sec) - MIN 5, under that = false-death storm	15
Sync-hold on transmitter restart (sec) - guard stays armed at 0	3
Re-alert every N min while copies sit UNMANAGED (0 = one alert	10
Copier pulse (ms) 20-200: receiver poll + transmitter heartbeat	50
Respect News Shield lockdown - INFORMATIONAL ONLY: the shield a	true
Copier magic (stamped on copies)	900001
Copy comment stamp (blank InpCopyTag auto-adopts this)	BCARM

The ARMADA — TRADE COMMANDER input group on a live transmitter: role TRANSMITTER, the channel key (masked here), PROPORTIONAL lots, the follower ceilings, HOLD, pulse 50, magic 900001 and the BCARM stamp. A receiver differs only in its role and the token field.

NEW TRADES ONLY, in full — because it is the setting people misread. By default, positions the master opened *before* your first pairing are never copied: you do not inherit someone else's trade halfway to its stop or its target. Only trades from the pairing moment onward are mirrored, and each skipped one is named in the journal. **Pendings always copy either way** — they fill at their stated price, so joining late costs nothing, and a pre-pairing pending that fills counts as a new trade. The pairing moment is remembered *per channel*: restarts and outages keep the same fence, while a re-key or a new token starts a fresh one. On a netting master, volume added to a fenced position keeps its ticket and is never copied until that position goes flat. Set **COPY THE WHOLE BOOK** before the first pairing if you genuinely want the existing book mirrored at current market — once a position has been skipped it stays skipped until a fresh pairing.



MetaTrader 5

59m ago

ARMADA: the master holds positions opened BEFORE this pairing - they are NOT copied (NEW TRADES ONLY). Only trades from now on are mirrored; set the dial to COPY THE W...

*The first thing a new follower is told, the moment it pairs: the master's existing positions are **not** inherited. Only trades opened from that moment are mirrored.*

27. Reading the copier panel

	Transmitter	Receiver
green	ON AIR · publishing seq N – K items	COPYING · SYNCED seq N – S src, M mapped
dim	FEED IDLE	COPY IDLE
amber	FEED HOLD	COPY HOLD
red	FEED DOWN	COPY DOWN

Status tokens: [TX-OFFLINE] transmitter up but not logged in · [SYNC-HOLD] settling after a restart · [MIRROR FROZEN] red — a hold that outlived its grace and may last indefinitely; it needs you · [LOCKDOWN] a news window · [TRIPPED-HALT] the guardian has jailed the copier's hand · [REMOTE] normal on the remote link · [RELAY SLOW] / [RELAY DOWN] amber while the breaker is open.

Learn this one distinction: [SYNC-HOLD] means settling, for seconds. [MIRROR FROZEN] means stopped, possibly forever. Amber is the copier being careful; red is the copier waiting for you.

"mapped" counts position copies only. Pending copies are tracked separately, so a receiver holding two copied pendings and no position copy honestly reads 0 mapped.

BUSTER CALL

ACCOUNT GUARDIAN + NEWS SHIELD & TRADE COMMANDER

WATCHING

WARDEN

EQUITY

10758.02 USD

PEAK BAL

10729.22 USD

DRAWDOWN

0.00 %

room to trip

1316.31 USD

0 %

8 %

12 %

BORIS: 1 config warning - backup feeds NOT whitelisted - Option

> Expert Advisors > add nfs.faireconomy.media + cdn-nfs.fairec.

CLOSE POSITIONS

DELETE PENDINGs

RESET GUARD (after trip)

NEWS SHIELD - MT5 CALENDAR

shield up - quiet window, no events ahead (USD)

ARMADA - TRADE COMMANDER

key #879ED3FB

COPY DOWN

RECEIVER

transmitter SIGNED OFF (DEAD) - the transmitter's terminal was shut down

CLOSE COPY POSITIONS

• 2026.08.29 00:49:18.491	BusterCall (XAUUSD+,H1)	ARMADA: transmitter feed dead since before my restart - copies HELD regardless of policy. Check the transmitter terminal.
• 2026.08.29 00:49:44.892	BusterCall (XAUUSD+,H1)	ARMADA: transmitter restarted (new epoch) - SYNC-HOLD 3s, no opens or closes until the book settles.
• 2026.08.29 00:49:51.994	BusterCall (XAUUSD+,H1)	ARMADA: TRANSMITTER SIGNED OFF - the transmitter's terminal was shut down. 1 position + 0 pendings are now UNMANAGED on their own SL/TP. Copies HELD (orphan policy HOLD).

Fig. 21 — COPY DOWN with a named cause, live: "transmitter SIGNED OFF (DEAD) – the transmitter's terminal was shut down." The follower's own guardian stays green WATCHING — only the copier organ is down — and the journal says exactly what became of the book: 1 position + 0 pendings are now UNMANAGED on their own SL/TP. Copies HELD (orphan policy HOLD) until the master returns.

MetaTrader 5

52m ago

ARMADA: transmitter restarted (new epoch) - SYNC-HOLD 3s, no opens or closes until the book settles.

A transmitter restart raises a new epoch, and the receiver deliberately does nothing for a few seconds while the master's book settles. On the panel this reads COPY HOLD with [SYNC-HOLD] . Amber here is the copier being careful, not the copier failing.

28. The three traps

Trap 1 — the key is the state file's identity. The receiver's map lives in `ARM_STATE_<login>_<KEYHASH>.txt` . Change the key and the receiver starts a fresh state: the old copies are orphaned and will never be closed in sync. **Never re-key while copies or pendings are open** — flatten first, then re-key. `0 copies mapped` right after a preset load, with copies on the book, is the tell-tale.

Trap 2 — receivers are WARDEN. NUKE shuts the receiver's terminal on a trip and kills the copier leg with it. WARDEN is the shipped default, so a fresh attach is safe — the trap is a *preset*: load one that was saved with NUKE selected and this end arms NUKE without saying so. Buster Call refuses to start a receiver in NUKE mode and tells you why, but only once you have set the role; check the mode after any Load.

Trap 3 — never load a preset whose key you are not sure of. A Load silently re-keys that end: the receiver drops to amber COPY HOLD and the hashes no longer match. Compare the hash on both panels after any Load, and after any re-attach.

A matching key hash does not prove state continuity. It proves the two ends can talk. Check "N copies mapped" against the Trade tab. (This is the LOCAL link only — on REMOTE, the follower's panel shows the hash of its *token*, which differs from the master's by design. Judge a remote pair by **COPYING · SYNCED seq** instead.)

29. When things go wrong

Reading your phone during an outage — before you panic

One warning push when an outage starts, one recovery push when it heals, and repeating alarms only while real money sits unmanaged.

Push	What it means, and what to do
<code>relay unreachable ... retrying with backoff</code>	The relay stopped answering — a network blip, a restart. Sent once per outage . Copies are not touched; followers read the feed as silent and HOLD after the heartbeat timeout. Do nothing yet.
<code>relay RECOVERED - feed flowing again</code>	The all-clear. Frames flow, followers resync on their next poll. The episode is over.
<code>TRANSMITTER DEAD ... copies held repeating every ~10 min</code>	The one that will not go quiet: you hold live copies and the feed is genuinely gone. Copies sit safe on their own SL/TP. Go and check the master terminal.



ARMADA REMOTE: relay RECOVERED - feed flowing again. Master keeps publishing, followers resync automatically. No action needed.

The all-clear, from a live outage on our own pair: relay RECOVERED — feed flowing again. Master keeps publishing, followers resync automatically. No action needed. This is the half of the rule above that is easy to promise and easy to skip — one warning when an outage starts, one recovery when it heals. A copier that only ever tells you about problems teaches you to dread your own phone; the sentence that matters most here is the last one.

Short blips never page you at all — the warning needs three consecutive failures before it fires, so a hiccup that heals in seconds stays in the journal as `relay slow ... frames still ingested`. A flapping connection pages you in honest pairs, not machine-gun bursts.

The transmitter dies

- **Named death (the farewell frame).** When Buster Call is removed from the master chart, or the chart or terminal is closed, the transmitter publishes a final frame saying why, and the receiver announces it at once: `TRANSMITTER SIGNED OFF - the transmitter's terminal was shut down. 1 position + 0 pendings are now UNMANAGED on their own SL/TP. Copies HELD (orphan policy HOLD).`
- **Silent death.** A crash, a kill or a power cut leaves no farewell. No fresh frame for *Heartbeat timeout* seconds gives `TRANSMITTER DEAD - orphan policy HOLD, copies held awaiting revival.`
- **Unmanaged means** the copies keep the SL/TP they opened with, but nothing closes them when the master closes. Buster Call re-pushes every 10 minutes with the live count while this lasts — and stays silent if nothing is mapped, because a dead feed with no copies is a service down, not money exposed.
- **Revival.** The master returns: `transmitter restarted (new epoch) - SYNC-HOLD 3s` → `transmitter feed revived`. Copies survive; nothing is re-copied.

Deliberate closes are remembered. A copy that disappears on the follower's side — *CLOSE COPY POSITIONS*, a *LEGION* jail, the *News Shield*, a manual close, or its own SL/TP hitting before the source's — is **tombstoned**. Its source may live on, but it is never copied again: not after a revival, not after an orphan flatten. If your copy hit its stop, expect no re-copy; close the source and re-open it if you want it mirrored again.

Clocks. Two terminals on one machine share a clock, so this never arises locally. If a receiver ever reads *CLOCK SKEW* — the feed advancing yet every frame stale, or frames "from the future" — fix the clocks before trusting any orphan policy. The check is deliberately strict: two consecutive stale reads with different sequence numbers before it speaks.

The empty-book guard. A booting transmitter can publish a fresh, correctly signed, empty book for a moment while its broker login completes. The receiver holds through that instead of flattening the mirror at market.



00:54

ARMADA: TRANSMITTER SIGNED OFF - the transmitter's terminal was shut down. 1 position + 0 pendings are now UNMANAGED on their own SL/TP. Copies HELD (orphan policy HOLD).

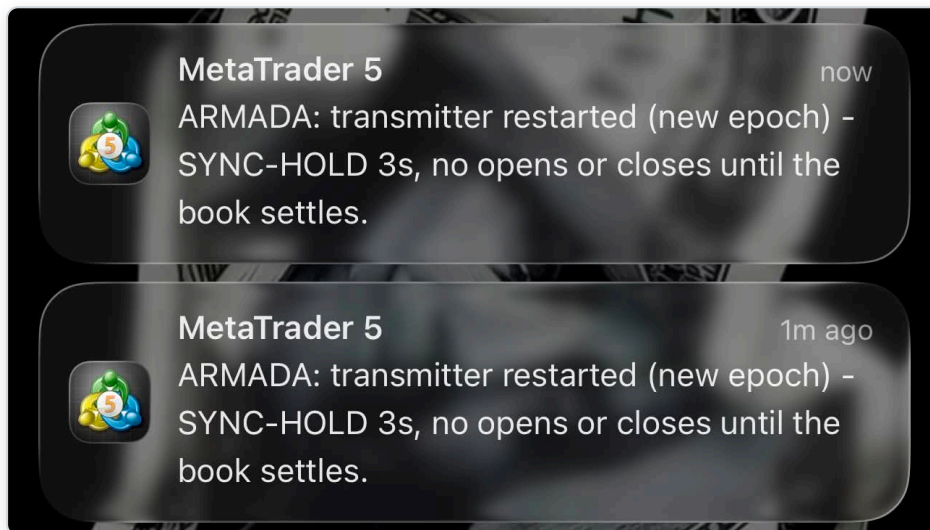


Fig. 22 — An outage told entirely on the lock screen: the master's terminal goes down → TRANSMITTER SIGNED OFF ... copies HELD (orphan policy HOLD) → it comes back → restarted (new epoch) — SYNC-HOLD 3s, no opens or closes until the book settles. No terminal needed to know what happened, or what did NOT happen to your copies. And when we drilled this by killing the feed over and over, the announcements **debounced** ("feed is flapping") rather than paging us thirty times — push discipline is part of the product.

A verification record

```
12:56:46 ARMADA: copied src 1797107399 -> rx 1797107749 XAUUSD+ lot 0.09
12:58:24 ARMADA: TRANSMITTER SIGNED OFF - the transmitter's terminal was shut down.
          1 position + 0 pendings are now UNMANAGED on their own SL/TP. Copies HELD (orphan policy
          HOLD).
12:59:04 ARMADA: transmitter restarted (new epoch) - SYNC-HOLD 3s, no opens or closes until the book
          settles.
12:59:04 ARMADA: transmitter feed revived.
```

30. Option B — REMOTE: copying across the internet

The master's Buster Call pushes every signed frame to **the ARMADA relay you deployed** (§32), and each follower's Buster Call, anywhere in the world, polls it. Nothing else changes — stamps, lot modes, pendings, tombstones, the farewell frame, HOLD and the live-copies guard all behave exactly as above. What changes is **latency** (the internet, not the EA) and **trust** (one token per follower instead of one shared key).

You are the MASTER

- 1 Whitelist your relay address (Tools → Options → Expert Advisors), once per terminal.
- 2 Attach Buster Call to one chart; set your guard and LEGION as you wish.
- 3 **ARMADA group:** Copier role = TRANSMITTER · **Channel key** = your own, **16 or more characters**, letters/digits/dashes mixed — not a word or a name. Good examples: `Aegis-Gold-2026-Zx9Q` · `Mirror-Q4p2-88-Zx`. The FOLLOWER token row stays **empty**.
- 4 **ARMADA REMOTE group:** Link = REMOTE · **Relay public key** is pre-filled — leave it exactly as it is · **Relay address** = your own relay. OK.

```
ARMADA TRANSMITTER on air [LOCAL + REMOTE relay] ... key #...  
ARMADA REMOTE: master REGISTERED on the relay
```

If instead you read `16+ random chars required`, your key is too short — F7, lengthen it, OK.

- 5 **Invite a follower.** F7 → **MASTER: make a token for a follower** = their name (e.g. `KESTREL`) → OK. The token is printed in the Experts tab *and* pushed to your phone:

```
ARMADA REMOTE: receiver token for KESTREL = KESTREL-1C0FFA3B7D9E2A4C6F8B0282  
(shown ONCE - hand it to KESTREL, then clear InpArmMintLabel)
```

Send them that whole string. Then **F7** → **clear the field** → **OK** — leave it filled and it mints a new token every time the chart reloads. It is shown once; lose it and you mint a new one and revoke the old by name.

You are a FOLLOWER

- 1 Whitelist the relay address the master gave you.
- 2 Attach Buster Call to one chart. Guard group: your own trip level, and **Action when tripped** = **WARDEN** (Buster Call refuses a NUKE receiver and tells you why).
- 3 **ARMADA group:** Copier role = RECEIVER · **Transmitter account number** = the master's login · **Channel key** **stays empty** · set your own ceilings and lot mode.

4 ARMADA REMOTE group: Link = REMOTE · **FOLLOWER ONLY:** paste the token = the token the master sent · poll 2000. OK.

```
ARMADA RECEIVER armed [REMOTE via relay] ... token #...
transmitter feed revived
```

Panel: **COPYING [REMOTE]**. Save your preset — it carries the token.

Key vs token — read this once and never be confused again

	Channel key	Token
Who has it	The master only. Never shared.	One follower. Made by the master, handed to that follower.
What it does	Proves the feed is yours; lets you mint and revoke tokens.	Lets that follower <i>read</i> your feed. Nothing else.
Typed where	Master's Channel key .	Follower's FOLLOWER ONLY: paste the token .
How many	One per master.	One per follower, each revocable alone.
If it leaks	Someone could impersonate your feed. Keep it private, 16+ random characters.	Revoke it in one step and mint a new one. Nobody else is affected.

The one mistake everyone makes once: typing a name, or the key, into **FOLLOWER ONLY: paste the token** on the master. That row is for followers. On the master it stays empty. To create a token you use the row below it — **MASTER: make a token for a follower** — and you type **their name**.

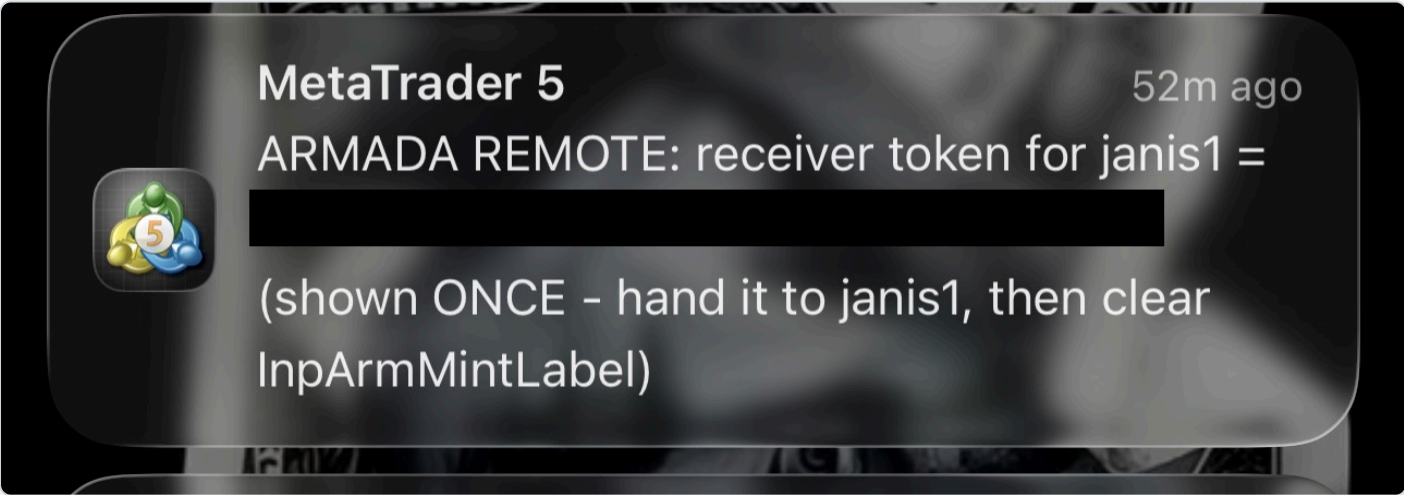


Fig. 23 — Minting: the token lands on the master’s phone, ready to forward to the follower (middle of the token masked here).

Cutting a follower off, and re-admitting them

Cut off: F7 → **MASTER: cut a follower off** → paste their token → OK. Journal and phone confirm **REVOKED** . Their next poll is refused — panel tag **[TOKEN REFUSED]** at once, then COPY DOWN and a push within the heartbeat timeout. Clear the field afterwards.

Re-admit: mint again under the same name, they paste the new token, and their open copies are *adopted* (recognised by the BCARM stamp) rather than duplicated.

What revoke does — and does not. It stops new copies and closes-in-sync for that follower. It does **not** close what they already hold: those copies become unmanaged on their own SL/TP, and the follower closes them with CLOSE COPY POSITIONS or by hand. This is deliberate — the master must never be able to move money on a follower's account by pressing a button.

What to expect over the internet — honestly

- **Latency:** about 1–2 s from master fill to follower request at the shipped 2000 ms poll, plus the follower's broker round-trip. A tighter poll shortens it, but check the quota table in [§33](#) first — below 2000 ms a single pair no longer fits the free tier, so a faster poll is something you buy with quota. Fine for anything but sub-second scalping.
- **A hiccup reads as silence:** after the heartbeat timeout the follower goes TRANSMITTER DEAD – HOLD, then `feed revived`. Copies are never closed on a hiccup. Keep HOLD; BORIS warns if you pair FLATTEN with a short timeout on a remote receiver.
- **After an outage the follower catches up,** but not at any price: positions the master opened while you were down are copied only if the market is still within your drift gate. Under NEW TRADES ONLY — the default — that gate applies however old the entry is, so a trade the market has run away from is **not** mirrored, and you are told which. If you would rather not catch up at all, CLOSE COPY POSITIONS is one click.
- **One chart is fine,** with a caveat: each poll is a short HTTPS call on the chart's thread, and a slow relay can delay the guardian on that chart by up to 1.5 s before the breaker backs off. For belt and braces, run the remote copier on its own chart with the guardian OFF, and keep the guardian's Buster Call on another chart.
- **Your ceilings, your guard.** A follower never opens a copy above *Max lot*, never one that would eat more than *Max margin* % of free margin, never more than *Max open copies* — and your own trip level is your stop, not the master's. Set them before you paste the token.

31. Security of the remote link — honestly

Most remote copiers bridge two networks: an open port or a tunnel on a trading PC, which is exactly what attackers scan for. **ARMADA has no inbound anything.** Both terminals only dial out over HTTPS, the same traffic shape as a browser. There is no listener, no port forward and no tunnel to find.

- **Two locks on every frame:** TLS to the relay's edge, plus Buster Call's own signature inside the payload. A forger has to break both.
- **A stolen token** buys read-only sight of one master's feed and nothing more — no publishing, no minting. Revoke it by name and its next poll is refused; nobody else is touched.
- **Your channel key is the crown jewel** — 16+ random characters, transmitted only inside TLS and stored only as a hash. It lives in your terminal and your preset file. Keeping both private is your half of the contract.
- **Guessing is futile:** wrong secrets lock out after a handful of attempts per quarter-hour, against a key space no lockout window can dent. The relay public key is *not* a password — it is the same value for everyone and opens nothing by itself.
- **Replays are rejected:** a captured frame re-sent later fails the epoch/sequence watermark, and the journal says `REPLAY REJECTED`.
- **Flooding the relay pauses copying, never causes a trade.** Silence reads as a dead transmitter → HOLD. Every ambiguity in this module resolves toward not trading.

The relay is a trusted party, and here is what that means. It stores your account login and balance (the frame header — a follower needs them for pairing and lot scaling), your trade frames, the token list, and a *hash* of every key and token, never the full values. A fully compromised relay could forge frames. It could **not** recover your keys or tokens from those hashes, could not touch your broker login, and every copy it might suggest still has to pass your ceilings, your drift gate, your News Shield and your trip line. **The blast radius ends at your own dials** — and the relay is yours, on your own account, so its security is in your hands rather than a stranger's.

32. Setting up your relay — step by step

Read this only if you chose REMOTE. If both accounts run on the same computer or the same VPS, use LOCAL ([§25](#)) and skip this section entirely. LOCAL needs no relay, no account, no internet and no setup at all.

First, what a relay actually is

A relay is **a mailbox on the internet**. Your master drops a message in. Your follower checks the mailbox and takes it out. That is the whole job. It never sees your broker, never holds your password, never places a trade, and could not trade on your behalf even if someone broke into it.

You need one because two computers in different places cannot hand files to each other directly. Something in the middle has to hold the message for a moment. **That mailbox is yours** — you make it, you own it, nobody else uses it, and it costs nothing.

What you need before you start

A Cloudflare account	Free for this. Sign up at cloudflare.com with an email and a password. No card is asked for.
Node.js	A free program from nodejs.org . Download the button marked LTS and click Next until it finishes. You will never open it — it just needs to be installed. Install it <i>before</i> opening the command window in step 1: if a window was already open it will say <code>npm</code> is not recognised, and closing and reopening it fixes that.
The relay files	<code>worker.js</code> and <code>wrangler.jsonc</code> , from the <code>relay-selfhost</code> folder supplied with Buster Call and republished in full in the relay article on the product page. Copy them into a new folder, anywhere, for example <code>C:\my-relay\</code> . A <code>README</code> travels with them; it changes nothing and wrangler ignores it.
Ten minutes	Once. You will not touch it again afterwards.

Do not change anything inside those two files. They are a matched pair. The worker name, the class name and the migration tag inside `wrangler.jsonc` are what your relay uses to find its own database. Change the **name** and your next deploy silently starts a *new, empty* relay — every master identity, every feed and every follower token gone, with no error message anywhere. Change the class name or the migration tag, or anything inside `worker.js`, and the deploy will instead fail outright or lose the database. Edit neither file.

Step 1 — open a command window in that folder. Open the folder in Windows Explorer, click the address bar at the top, type `cmd` and press Enter. A black window opens, already pointed at your folder. That is all a "command window" is.

Step 2 — connect it to your Cloudflare account. Type `npm wrangler login` and press Enter. Your browser opens and asks you to allow it; click **Allow**. The first time it may ask "Ok to proceed? (y)" — type `y` and press Enter. On a VPS with no browser, wrangler also prints the link — copy it into a browser on any device and click Allow there. You can equally do this whole section on your own PC: the relay is not tied to the machine that deployed it.

Step 3 — put your relay online. Type `npx wrangler deploy` and press Enter.

Two things it may ask for the first time, neither of them a problem.

"You need to register a workers.dev subdomain" — a brand-new Cloudflare account has not chosen one yet. Open dash.cloudflare.com → **Workers & Pages**, pick any word (it becomes the middle of your address, and it is permanent), then run the command again.

"More than one account available" — your login can reach several Cloudflare accounts, so it will not guess. Copy the ID of the one you want from the list it printed, type `set CLOUDFLARE_ACCOUNT_ID=<that id>`, press Enter, and deploy again.

After a few seconds it prints an address like `https://armada-relay.something.workers.dev`. **That address is your relay.** Copy it and keep it. It is now running, permanently.

Step 4 — check it is really alive. This must be the black `cmd` window from step 1 — if your window is blue, or its tab says PowerShell, type `cmd` and press Enter first, because PowerShell's `curl` is a different program and will reject every option below.

Paste this on one line, replacing **YOUR-ADDRESS** with the whole address wrangler printed. It already begins with `https://`, so do not add another one:

```
curl -s -i -X POST YOUR-ADDRESS/rest/v1/rpc/armada_fetch -H "apikey: ARMADA-RELAY-PUBLIC-2026-EDGE-GATE-01" -H "Content-Type: application/json" -d "{\"p_token\":\"PROBE-000000000000000000000000\"}"
```

The last line you want to see is exactly this: `"ERR|token refused"`. That looks like an error and it is **the correct answer** — you asked your relay about a mailbox key it has never seen, and it correctly refused. Seeing that sentence proves the whole chain works. It arrives with no line break after it, so it will sit glued to your next prompt; that is normal.

Instead you got	What it means
<code>{"message": "Invalid API key"}</code>	The <code>apikey</code> line was mistyped. Retype it — it is one long value with no spaces inside.
<code>{"message": "Not Found"}</code>	The <code>/rest/v1/rpc/armada_fetch</code> part got mangled, or your address already had a path on the end.
URL rejected , or nothing at all	The address is wrong — most often <code>https://</code> typed twice. Check it against what wrangler printed.
A page full of HTML	The deploy has not spread yet. Wait a minute and try again.

Run this from the same part of the world as your MASTER terminal. This first request is what decides where your relay physically lives, and it stays there. Probing from a laptop in one hemisphere while the master runs on a VPS in another adds that round trip to every copy, permanently and invisibly.

Step 5 — tell MetaTrader it may talk to your relay. On each terminal: **Tools → Options → Expert Advisors**, tick **Allow WebRequest for listed URL**, and add your address exactly as wrangler printed it. MetaTrader contacts no address that is not on this list, and it gives no warning when it blocks one. This step is not optional.

Step 6 — point Buster Call at it. On each terminal, put your address into **Relay address**. Leave **Relay public key** exactly as you found it — it is not a password, it is the same for everybody, and your relay expects that exact value.

Paste the address only. `https://armada-relay.something.workers.dev` and nothing after `.dev` — no `/rest/...`, which is easy to carry over from step 4 because it is still on your clipboard. An address with a path on the end still looks valid, still turns the panel green at attach, and then never finds the feed. If a pair goes quiet and everything else checks out, look here.

While you are in this group: the shipped poll and heartbeat of 2000 ms use about 86% of the free daily allowance for a single pair. If you plan on more than one follower, set both to **5000** now — §33 has the arithmetic. It does not slow your trades down.

Step 7 — mint a fresh token for your follower. Mailbox keys belong to the mailbox that made them: a token from a different relay means nothing to yours. Follow §30, then clear the mint field.

Both terminals must point at the same relay. A master on one relay and a follower on another will never find each other, and **nothing will look broken** — the follower simply reports no feed, quietly, forever. If a pair goes silent after any change, check the address on both sides before you check anything else.

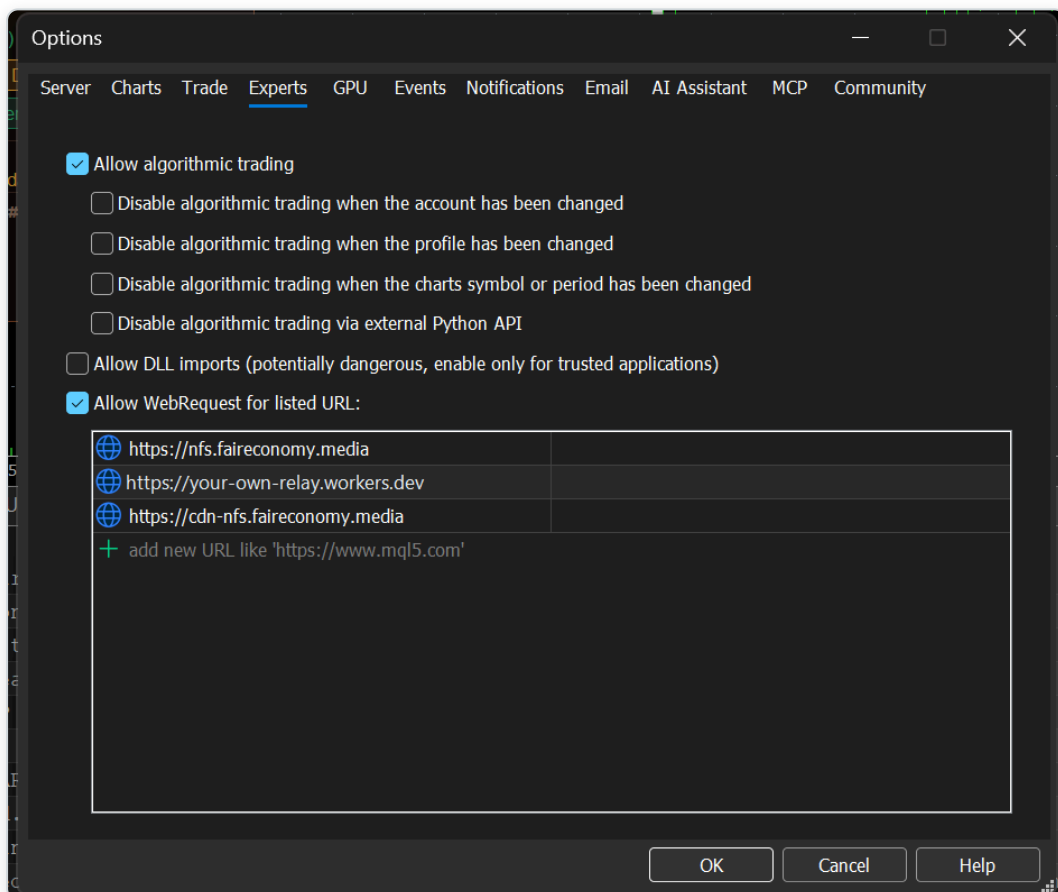


Fig. 25 — The whitelist with the two News-Shield feeds and the ARMADA relay. DLL imports stay OFF — Buster Call never needs them.

33. What the relay costs you

Nothing. Cloudflare gives every account 100,000 free requests a day, and one master with one follower uses about a third of that at the recommended settings:

Heartbeat and poll	Used per day, one pair	Of your 100,000 free
2000 ms	~86,400	Fits, but tight
3000 ms	~57,600	Comfortable
5000 ms — recommended	~34,560	Room for three followers

Slowing the heartbeat does not slow your trades. When the master fills an order it is published immediately, on the spot. The heartbeat is only the "I am still alive" tap between trades, and tapping every five seconds instead of every two changes nothing you can feel.

If you would rather have a spare relay, know this first: a relay only learns who you are when Buster Call attaches to a chart. Registration and token minting happen at attach, against whichever address is in *Relay address* at that moment. **A spare that has never been attached to is an empty relay** — it has never heard of your master and has never issued your follower a token. A spare is therefore only useful if you set it up deliberately: copy the folder, and in the copy — and *only* in the copy — change the "name" line in `wrangler.jsonc` to something else, say `armada-relay-spare`. That is the one edit the rule in [§32](#) forbids on your primary, precisely because it creates a second, separate relay: which is exactly what a spare is. Then attach to it once so it registers you, and mint your followers a token on it too. An unregistered spare in the fallback field is worse than none, because it looks like insurance and is not.

34. ARMADA — questions people actually ask

"I paired and nothing copied. The master has three trades open."

That is **NEW TRADES ONLY** doing its job — see [§26](#). The journal names each skipped position. Open a fresh trade on the master and it will mirror within seconds.

"Can my follower copy only some of my EAs?"

Yes, and it is the *follower's* choice, not yours: the receiver magic and symbol filters live on their end.

"My copy is a different size from the master's."

Expected, and usually correct: PROPORTIONAL scales by balance, and your ceilings can trim it further. Check *Max lot*, *Max margin %* and your lot mode.

"The master closed and my copy stayed open."

Check whether the feed was alive at that moment. A dead transmitter means copies are HELD on their own stops, by design — that is the orphan policy protecting you from a false death. The journal and your phone will both carry the TRANSMITTER DEAD line.

"Can the master close my trades or see my account?"

No. A revoke stops *future* copies; it cannot close what you hold. The master never sees your balance, your positions or your broker. The frames only ever travel one way.

"Do I need the relay for two terminals on my own VPS?"

No — use LOCAL. No relay, no Cloudflare account, no internet, no setup.

"If my follower copies trades that another EA opened, does the follower get that EA's licence?"

No, and it is worth being straight about. ARMADA copies *trade activity*, never software: the EA itself runs only on the terminal it is activated on, and nothing of it travels down the link — the follower receives positions, not programs. Mirroring an account's trades is exactly what a copier is for; what ARMADA cannot do, and does not do, is transfer, share or activate anyone's licence to a third-party product.

35. ARMADA — every input on this organ

Input	Default	What it does
InpArmRole	NMR_OFF	Copier role (OFF = module dormant)
InpArmTxAccount	0	Transmitter account number (receiver: required)
InpArmKey	empty	MASTER (and LOCAL followers): channel key - min 8 chars LOCAL, 16+ random for REMOTE
InpArmMagics	empty	Receiver magics: empty=ALL, 0>manual, 0,34568>manual+EA
InpArmSymbols	empty	Receiver symbols: empty=ALL (best for multi-symbol EAs)
InpArmLotMode	NMR_LOT_PROP	Lot mode (proportional by balance / multiplier / fixed)
InpArmLotValue	1.0	Lot value (ratio / multiplier / fixed lots)

InpArmPendings	true	Copy pending orders
InpArmMaxLot	1.0	FOLLOWER ceiling: never open a single copy above this many lots (0 = no cap)
InpArmMaxMarginPct	20.0	FOLLOWER ceiling: skip a copy that would eat more than this % of FREE margin (0 = no cap)
InpArmMaxOpen	10	FOLLOWER ceiling: max open position copies at once (0 = no cap)
InpArmDriftPts	300	Max entry drift for fresh entries, in the MASTER's points (0 = no gate)
InpArmOrphan	NMR_ORPHAN_HOLD	Orphan policy if transmitter dies
InpArmCopyExisting	NMR_EXIST_NEW_ONLY	Master already has positions? Default: copy NEW trades only
InpArmTimeout	15	Heartbeat timeout (sec) - MIN 5, under that = false-death storm
InpArmSyncHold	3	Sync-hold on transmitter restart (sec) - guard stays armed at 0
InpArmDeadRepeat	10	Re-alert every N min while copies sit UNMANAGED (0 = one alert only)
InpArmPulseMs	50	Copier pulse (ms) 20-200: receiver poll + transmitter heartbeat (publish is also event-driven)
InpArmNewsHalt	true	Respect News Shield lockdown - INFORMATIONAL ONLY: the shield always wins while armed
InpArmMagic	900001	Copier magic (stamped on copies)
InpArmTag	BCARM	Copy comment stamp (blank InpCopyTag auto-adopts this)

ARMADA REMOTE. Only relevant when the link is REMOTE.

Input	Default	What it does
InpArmLink	NMR_LINK_LOCAL	Where is the other account? LOCAL = same computer/VPS · REMOTE = anywhere in the world
InpArmEndpoint	empty	REMOTE only: YOUR relay address (you deploy it - see the manual, section 31). Whitelist it in Tools>Options>Expert Advisors.
InpArmEndpointAlt	empty	Fallback relay address (optional) - if set, WHITELIST THIS ONE TOO. Used only when the primary is unreachable.
InpArmSymbolMap	empty	FOLLOWER: cross-broker symbol map, e.g. "XAUUSD=GOLD,US30=DJ30". Overrides EVERY other match, including an exact one - a wrong entry is not self-healing.

InpArmSlipPts	50	FOLLOWER: max slippage (points) on a copy. Raise on gold/indices if copies get requoted. The orphan FLATTEN and every guardian close always accept any price.
InpTesterDemo	true	Strategy Tester ONLY: run the scripted demonstration. Ignored on a live chart.
InpArmAnonKey	ARMADA-RELAY-PUBLIC-2026-EDGE-GATE-01	Relay public key (not a secret) - leave as is
InpArmToken	empty	FOLLOWER ONLY: paste the token the master gave you (masters leave this EMPTY)
InpArmRemotePollMs	2000	FOLLOWER: relay poll ms 250-5000 - 2000 default, lower = faster
InpArmRemoteHbMs	2000	MASTER: relay heartbeat ms 500-5000 - trades send instantly
InpArmMintLabel	empty	MASTER: make a token for a follower - type THEIR NAME here (e.g. FOLLOWER-1), press OK, read the token, then clear this
InpArmRevokeToken	empty	MASTER: cut a follower off - paste THEIR TOKEN (or their name) here, press OK, then clear this
InpArmNewKey	empty	MASTER: change your channel key - type the NEW key here (16+), press OK, then move it into Channel key and clear this

Part IV

WHEN SOMETHING HAPPENS

Start here when a trade closed and you did not close it

36. Why did Buster Call close my trade?

Several different mechanisms in this EA are allowed to close a position, and each one says so in the **Experts** journal at the moment it acts. Find the symptom, search the journal for the phrase, and you have your answer in one line.

What you saw	Search the journal for	What it was
Everything closed at once, panel red	BUSTER CALL EXECUTED	The account trip. Drawdown reached your trip level (§2).
Everything closed and the terminal shut down	BUSTER CALL EXECUTED	The same trip, in NUKE mode (§4).
One EA's trades closed; the rest kept running	JAILED	A LEGION jail. That unit spent its budget (§8). Its row shows a FREE button.
An EA's trades keep being closed seconds after it opens them	BARRED - group	An exclusion group. Another EA in its group holds the group (§9).
Pending orders vanished around a news release	NEWS SHIELD deleted pending	A news lockdown. Every deleted order is named (§18).
A position closed around a news release	LOCKDOWN , then check the time	The Shield closing an in-scope trade on sight. These closes are not individually named — match the deal time against the lockdown window instead (§18).
Only the mirrored copies closed, guard still green	manual CLOSE POSITIONS	The CLOSE COPY POSITIONS button on a receiver (§10).
The whole mirror closed when the master went down	TRANSMITTER DEAD	An orphan policy of FLATTEN rather than HOLD (§26).
Everything closed, but the guard is still armed and green	manual CLOSE POSITIONS manual DELETE PENDINGS	A panic button was pressed on the panel (§10). This one is always a human hand.
A copy closed on the follower while the master is fine	closed in sync	The master closed that position and the follower mirrored it — the copier working exactly as intended (§23).
A copy closed early and was never re-opened	tombstoned, no recopy	That copy hit its own SL/TP, or you closed it, before the source did. Tombstoned copies are never re-copied while their source lives (§29).
Copies stopped following, but nothing closed	TRANSMITTER DEAD	The feed went quiet. Copies are HELD on their own stops, by design (§29).

With one exception, if none of those lines is in the journal, Buster Call did not close it. The exception is in the table: a position the News Shield closes on sight is not named individually, so a close inside a lockdown window has to be matched by time. Look next at your broker (stop-out, dividend, symbol expiry), at your other EAs, and at the position's own stop loss and take profit. Note the one exception to that rule: the panic-button rows above are your own hand on the panel, and they are logged the same way — so a panic close does appear here, and is still not the guardian acting on its own.

37. Troubleshooting

Symptom	Cause and cure
REFUSED TO LOAD at attach	One of the three reasons in §14 — an impossible trip level, a credit-only account with the lens off, or a second Buster Call already guarding this account. The journal names which.
An amber BORIS line will not clear	He names the exact setting and where to find it (§11). Fix it and re-attach — remembering that F7 → OK with nothing changed does not re-initialise anything.
Buster Call sees trades but never closes anything	Algo Trading is off, or the chart has no trade permission. BORIS says so at every attach.
No phone notifications, ever	Push pairing (Getting started, step 2). Press Test in Tools → Options → Notifications; if that does not ping, nothing else will.
LEGION rows stuck on SYNCING	Normal for seconds. Past two minutes you get a push naming the unit — press FREE on that row (§8).
A LEGION group never forms	Check <code>LEGION: N units enlisted</code> . A slot with DD budget % = 0 is switched off entirely and is in no group, whatever its dropdown says (§8).
Pendings keep disappearing all day	An oversized news window — usually a drill value of 6000 left behind. Restore it to 15 (§18).
Copier: 0 copies mapped with copies on the book	The key changed. That is trap 1 (§28) — the old copies are orphaned. Flatten, then re-key.
Copier: the two panels show different hashes	Key mismatch on the LOCAL link. Retype it on both ends. (On REMOTE the hashes differ <i>by design</i> — judge by COPYING · SYNCED seq instead.)
Copier: paired, but nothing copies and nothing errors	Almost always NEW TRADES ONLY (§26) — the master's pre-existing book is deliberately not inherited. Open a fresh trade on the master to confirm. On REMOTE, the other cause is the two ends pointing at different relays (§32).
Copier: paired and green, but no symbol ever copies	Under PROPORTIONAL lots, either the contract sizes disagree (a Micro follower) or the two account currencies differ (a Cent or JPY follower). The journal names the cause once. Both are refusals, not faults, and both are lifted by switching to MULTIPLIER or FIXED lots and setting the size yourself (§23).
Copier: pendings stopped being mirrored	The open-copy ceiling counts racked pendings as well as open copies. Raise <i>Max open copies</i> or let some fill or expire (§26).

Copier: ARMADA refused to arm	The message names the field. The two common ones: a receiver with no transmitter account number, and a REMOTE master whose channel key is shorter than 16 characters.
Remote: the follower never sees a feed	In order — is the relay address whitelisted on <i>that</i> terminal? Is it the <i>same</i> relay address as the master's? Is the token from <i>this</i> relay? (\$32.)
[TOKEN REFUSED] on the follower	The master revoked it, or it was minted on a different relay. Ask for a fresh one.

38. Support — and what to send

Almost every question is answered by two things you already have: the **Experts** journal, and a screenshot of the panel. Send both and the answer is usually one reply.

1. **The Experts journal** around the event — Toolbox → Experts, right-click → **Save as**. A minute either side of what happened is plenty.
2. **A screenshot of the whole chart**, so the panel and its status words are visible.
3. **Your build number** (this manual documents **v3.30**) and whether the account is a transmitter, a receiver, or neither.
4. For copier questions, **both ends** — a one-sided log of a two-sided conversation rarely settles anything.

Where to send it. Use the **Comments** tab on the Buster Call product page in the MQL5 Market, or send a private message to the seller from that same page. Both reach us, both keep the thread attached to your purchase, and neither depends on an address that can go stale.

Never send your channel key, your tokens, your preset file or your broker password. Nobody needs them to help you, and the key hash shown on the panel is enough to compare two ends. Mask them if they appear in a screenshot.

Reference

REFERENCE

Operating limits · rules of thumb · version history

All 78 inputs in this build are tabulated, each at the end of its own part, generated directly from the source this manual documents.

39. Operating limits

Every product has edges. These are Buster Call's, stated plainly, so you meet them here rather than on a bad afternoon.

- **The trip level is a trigger, not a cap.** Spike and weekend-gap overshoot are real; margin level is not measured; there is no pre-weekend flatten ([§2](#)).
- **The DAY GUARD tracks a day-anchored loss limit (v3.28), with stated edges.** Its anchor is the server-midnight snapshot — the percent drifts against a firm's fixed-dollar line as the account grows, a mid-day first attach starts from equity *now*, and the rare intraday-peak-trailing variant is not modelled. [§7](#) has all four edges and the buffer rule: dial 20–30% inside the firm's line.
- **A book of roughly 300+ positions no longer fits one feed frame** with the v3.28 sizing fields aboard (it was roughly 400 before). Pending rows are shed first, with a push; a position book that alone overflows the 64 KB frame shows `FEED OVERSIZED` on the master's panel. If you run grids of that order, this copier is the wrong tool.
- **A hedged book is closed leg-by-leg** in a sweep, so margin use can briefly spike mid-sweep — and a broker's stop-out can fire before or during it. Those fills are the broker's.
- **One guardian per account is enforced**; a second refuses to load. The lock is held on a wall-clock heartbeat, not on ticks, so it expires on schedule even with the market closed and a crash cannot lock the account against its own guardian.
- **A mirror holding only pending orders gets no empty-book protection.** A mixed mirror is covered.
- **An unbounded hold is possible.** If the transmitter's terminal never logs back in while the receiver holds live copies, the hold has no time limit: one push, a red `[MIRROR FROZEN]`, then the re-alert every 10 minutes. With no live copies there is nothing to hold and copying resumes at once.
- **A rejected copier order is retried** after 1 s — 30 s when the market is closed or trading is disabled — per ticket.
- **Cross-broker symbol matching** runs in five stages, in this order: (a) your explicit `InpArmSymbolMap`, which outranks everything below it — including a broker that happens to list the master's name too; (b) the source name exactly as it stands; (c) an exact match ignoring case; (d) a suffix-only match (`+` , `.r` , `m` , `_i`), where the candidate must begin with the whole source name and is then verified by rebuilding that name from the candidate's own base and profit currencies; (e) the mirror of (d), for a source name that itself carries a suffix the local broker does not use — trailing punctuation is stripped, never letters or digits, and the same currency check applies. If none of that is certain the copy is **refused and reported** rather than guessed: refusing to copy beats copying the wrong instrument. If your brokers name symbols differently, **set the map** — it beats every heuristic and costs one line.
- **Under PROPORTIONAL lots, contract size AND contract value are checked; account currency is converted.** A copy is refused when the two brokers' contract sizes for a symbol disagree — the Micro-account case — and, since v3.28, when the **per-lot value of a 1.0 price move** disagrees beyond 5% (the index/crypto-CFD case contract size cannot see). Different account currencies are *converted* using a rate quoted by your own broker, and refused only when no such rate exists, which in practice means a cent-denominated account. **MULTIPLIER and FIXED lots are exempt from all three**, because there the buyer has set the size and a refusal would block the very fix. The value check needs both ends on v3.28+ — against an older master it stands down with a journal notice.
- **Against a master on a build older than 3.26** neither field is in the feed, so neither check can run. Buster Call says so once in the journal — once for each — rather than leaving you to assume a protection you do not have.
- **The LOCAL link is a single-machine protocol** (Common folder plus an atomic file move). Do not sync that folder between machines; use REMOTE.
- **REMOTE:** the relay is infrastructure you deploy and own, so nothing routes through anyone else. If your relay is unreachable, every follower reads it as a dead transmitter (on HOLD, no trade; on FLATTEN, copies close at market). Latency ~1–2 s at the default poll plus your broker's round-trip. Up to **50 active follower tokens** per master; the

relay refuses the 51st mint until one is revoked.

- **Copier ceilings are per copy.** The margin ceiling gates each copy against free margin at its open — ten copies can still compound to a large share of margin. The trip line, not the ceilings, is the account-level stop.
- **Max entry drift is in raw points**, and a point is a different amount of money per symbol: 300 points is about \$3 of gold but 30 pips of 5-digit EURUSD. Tune it per master if the feed is not gold.
- **A broker that holds a synchronous order request for tens of seconds blocks the transmitter's thread.** No frames are written meanwhile and the receiver may read TRANSMITTER DEAD until it clears. HOLD handles this correctly; FLATTEN would not.
- **Push budget.** MetaTrader allows roughly 10 pushes per minute per MetaQuotes ID, and with both accounts paired to one phone you receive both sides of every trade. Buster Call latches and debounces its own chatter so the copier can never spend the guardian's voice — MetaTrader's own trade notifications are outside its control.
- **Respect News Shield lockdown is informational only.** The shield always wins.

40. Rules of thumb

1. **One Buster Call per account.** Never two.
2. **The trip % is the constitution.** Resize lots when risk needs adjusting — never loosen the kill-switch. And remember what it promises ([\\$2](#)).
3. **Deploy exactly what you tested.** An untested safety switch is a variable, not armour.
4. **If BORIS grumbles, fix it before anything else.** A misconfigured guardian is a costume.
5. **Changing inputs mid-flight is safe.** Peaks, trips, jails and epochs persist, keyed by account login. But F7 → OK with nothing changed re-initialises nothing.
6. **Receivers are WARDEN. Orphan policy is HOLD. Never re-key with copies open.**
7. **When something looks wrong, check the live inputs first.** BORIS and the journal name most causes.
8. **The evening report is the heartbeat.** If it ever stops arriving, go and look — silence is a signal too.

41. Dashboard inputs

Where the panel sits on the chart. Every other input is documented at the end of its own part.

Input	Default	What it does
InpPane1X	12	Dashboard X offset
InpPane1Y	24	Dashboard Y offset

42. Version history

Version	Milestone
2.00–2.09	The guardian: trailing peak, warn/trip, NUKE/WARDEN, per-EA limits, dashboard, persistence.
2.10–2.19	Hardening: spike shield, NUKE-only-when-flat, per-symbol filling, LEGION slots, families, auto-naming. Trip drill passed live.
2.20–2.29	TELEMETRY: the daily status push.
2.30–2.31	NEWS SHIELD: calendar lockdown, scope and behaviour; layered backup feeds with failover.
2.32–2.35	Hardening: balance-operation peak rebase, quiet-vs-dead feed semantics, sweep backoff, push retry, panic double-click guard.
2.36–2.39	TELEMETRY+ (the OTHERS line) · BORIS attach-time inspection.
2.40–2.42	ARMADA, the Trade Commander: transmitter/receiver, signed feed, lot scaling, pendings, tombstones, self-describing stamps, zombie adoption, the 3-in-1 guard switch, panel partitions, CLOSE COPY POSITIONS.
2.43–2.45	Copier maturity: restart hold latching, role-aware panel words, the unmanaged-mirror alarm, the farewell frame, countdowns instead of clocks, the BORIS news-window warning, BLOCK NEW as the default.
2.46	Capital lens for credit accounts · LEGION trusted-history judging with two-reading jail confirmation · fire-exit deviation and the open-market patrol lane · explicit trigger semantics with parameter validation · state persisted through power loss · signed clock math for the copier · death alerts for pendings-only mirrors.
2.47	Event-driven transmitter publish · adjustable copier pulse (20–200 ms, default 50) · per-ticket retry backoff on every copier order operation · quieter feed-file handling at high pulse rates.
2.48–2.49	The receiver's empty-book guard focuses on live copies: retired rows release the mirror instantly, and retired positions stay retired through a transmitter restart. Final polish pass of the 2.x line.
3.0	ARMADA REMOTE: copying across the internet through the ARMADA relay — master self-registration, one token per follower (mint and revoke from the EA), frames re-signed per token, a circuit breaker, relay state on the panel, BORIS whitelist and safety checks. The local link unchanged.
3.1	Relay identity is the master's key, hashed — feeds are addressed by key, so a duplicate login number is inert · keys and tokens hashed at rest, owner-safe lockout · follower ceilings (lot, margin, open copies) · relay-clock staleness, with slow-relay frames still ingested · re-key from the EA · revoke by name · receiver must be WARDEN, enforced · filling mode and partial-close failures handled on every copier order.

3.2–3.25	LEGION exclusion groups — one EA at a time: the per-slot group dropdown (leader / member), close-on-sight enforcement with a 5 s re-sweep, a fratricide guard so a barred member can never close the holder's tickets, the cooperation flag <code>BC_GROUP_<account>_<n>_BUSY</code> with heartbeat refresh and orphan sweep, BUSY published before a trip sweep, and a BORIS voice for every group misconfiguration. The copier relay moved to an edge network, and a relay outage that pages your phone now pages the RECOVERY too. A follower joining mid-flight copies new trades only by default — the master's pre-existing book is never inherited unless you ask for it. Late builds in this line make WARDEN the shipped default (NUKE becomes the explicit opt-in), enforce one guardian per account with a singleton lock, and default the remote poll to a relay-friendly 2 s.
3.26	The audit release. A five-reviewer adversarial pass over the whole build, run to exhaustion rather than to a deadline, and a long list of refinements from it. Guardian: rides through a backward server-clock change without missing a beat. The fire-exit deviation is a fixed internal constant, fully insulated from every copier dial. The News Shield names every order it removes, and pushes the total. Copier: publish verification confirms the relay genuinely accepted every frame, whatever the HTTP status says. Cross-broker symbol matching rebuilt around five verified stages, crowned by an explicit map that outranks them all — and where a match cannot be proven, the copier waits for your word rather than guessing. Master positions already past their own stop are filtered before copying. Copier slippage became its own input, scoped precisely to copier orders — every order the copier places or cancels of its own accord, entries and exits alike. Scale-outs are measured against the source volume the follower's holding truly corresponds to, on every path that writes it, and a scale-out too small for the follower's volume step is disclosed the moment it happens. The orphan flatten uses the fire exit like every other forced close. Durability: per-EA jails ride through cosmetic edits to the keys field; the peak anchor and trip flag are mirrored to a file and survive four weeks of a terminal being off. Elsewhere: a fallback relay address and a relay notice channel · the copier yields the thread while the account is in the warning band · a Strategy Tester demonstration of the guardian · and the relay hardened against registration abuse. Sizing, late in the 3.26 line — the most buyer-visible advances in this release. The feed carries each position's contract size and the master's account currency, both added with full compatibility for older builds in either direction. Under PROPORTIONAL lots the contract sizes are verified before a single copy is sized, and different account currencies are converted at a rate quoted by your own broker — with the rare unquotable pair (the cent-account case) held for your explicit sizing instead of guessed at. Every such hold shows as <code>[SIZING REFUSED]</code> on the panel, and MULTIPLIER and FIXED lots stay fully in your hands. Copied pending orders count toward the open-copy ceiling and are margin-checked as though they had already filled. The drift gate covers a copy that was held back and later admitted as thoroughly as a fresh one. And News Shield enforcement paces itself after a rejected close, position closes and pending deletions each on their own rhythm.

3.27

The council release — a second five-reviewer adversarial pass over the audited 3.26, polished end to end in one sweep.

Guardian: a trip restored from the file mirror after a long-dark terminal is re-anchored into the terminal's own state the moment it is restored, and every trip reaches the file mirror the instant it happens — the NUKE path included, where the terminal closes seconds later. The heartbeat watches Algo Trading around the clock: switched off after attach, it pushes **CANNOT TRADE** within a minute, then confirms the moment it is restored. Instance isolation extends to load-refused instances, which leave a live guardian's group flags untouched.

LEGION: the admin exit ([§4](#)) — jail patrol and group-bar closes run at their own `InpAdminDeviationPts` (default 300) on a calm 30 s re-sweep, reserving crash pricing for the breach moment itself, where the unit is losing fastest and the fire exit earns its cost.

Copier: the transmitter guards the 64 KB frame limit at the source: a very large book (roughly 500+ rows) sheds pending-order rows first — with a push telling you so — keeping every open position on the feed at the exact moment the book is largest. Weekend-crash restarts rejoin the channel immediately, and re-pointing the EA at a different relay (or back to LOCAL) arrives with a completely fresh failover and pacing state.

Elsewhere: the news backup fetch paces itself inside the warning band with a tightened 3 s timeout, keeping the guardian's cadence sharp through a drawdown episode · a pending order that fills in the instant before a sweep is recognised as filled · the daily report presses through the push rate limit with retries until it lands.

3.28	The prop-firm release — the daily rule joins the guardian, the copier masters the multi-asset world, and a fresh five-reviewer council pass signs off on all of it. DAY GUARD (§7): a daily loss limit in the prop-firm frame. Anchor = the higher of balance and equity at server midnight, persisted with the same durability as the trip itself (globals plus the file mirror); halt, WARDEN patrol, automatic re-arm at midnight; RESET lifts it early with the no-forgiveness re-base. NUKE deliberately never fires on a daily halt — and the account line keeps watching <i>through</i> one, so the permanent trip and a configured NUKE still fire if a stuck book bleeds to the master line. The day anchor holds firm through backward broker-clock jumps, and a mid-day first attach tells you plainly that its anchor is equity now, not the firm's midnight snapshot. Copier sizing: the feed carries tick value, tick size and the master's point with every row — additive, older builds compatible in both directions. Contract value is verified under PROPORTIONAL (the index/crypto-CFD dimension contract size alone cannot see), the margin ceiling is aggregate (a candidate and every racked pending's fill cost must fit the dial together), and the entry-drift dial speaks the master's points — one meaning across every broker's digit convention, with a one-time journal notice wherever the frames differ. Stops discipline: every level the copier sends is the master's own, or your broker's nearest legal expression of it. A master SL/TP inside the follower broker's minimum stop distance is nudged to the nearest legal level at placement; a level the master <i>moves</i> inside that distance leaves the copy's standing stop in command — a fixed stop that can fire beats one that trails the price — and a position already past its own stop is filtered, at any age. Elsewhere: the copier yields the thread during the daily line's confirmation window · the Strategy Tester runs fully sandboxed from live account state · a withdrawal's re-base reaches the file mirror instantly · feed numerics are sanity-banded before use · the armed day guard shows itself on the healthy panel and in the evening report.
3.29	The patrol keeps its rhythm through a closed market. During a WARDEN or DAY GUARD halt over a weekend or holiday, the close patrol holds its calm 30-second cadence from the first rejected attempt to the last — the journal stays quiet, the broker is never hammered, and the halt simply waits for the market, or for your RESET. The refinement was caught and cured on a live weekend drill of the DAY GUARD, hours after 3.28 shipped — and that same drill's screenshots now illustrate §7: the halt on the panel, the warning on the phone, and the mid-day notice beside the very edge it documents.
3.30 this edition	The patrol learns to listen. A halted book on a market that has gone silent — a weekend, a holiday — is no longer knocked on every 30 seconds: the patrol now stands by and fires on the first tick that returns, hourly probe as backstop, which is both quieter for your phone (each retry on a closed market rang it, via the terminal's own trade notifications) and <i>faster</i> at the open than the fixed lane it replaces. A rejection on a market still ticking keeps the 30-second lane, and the open-market 1.5-second lane is untouched. Caught on our own Saturday pair-trip drill — the same one that shot the paired-trip figure in §13 — with a gold position stuck through the weekend and a phone that would not stop ringing.