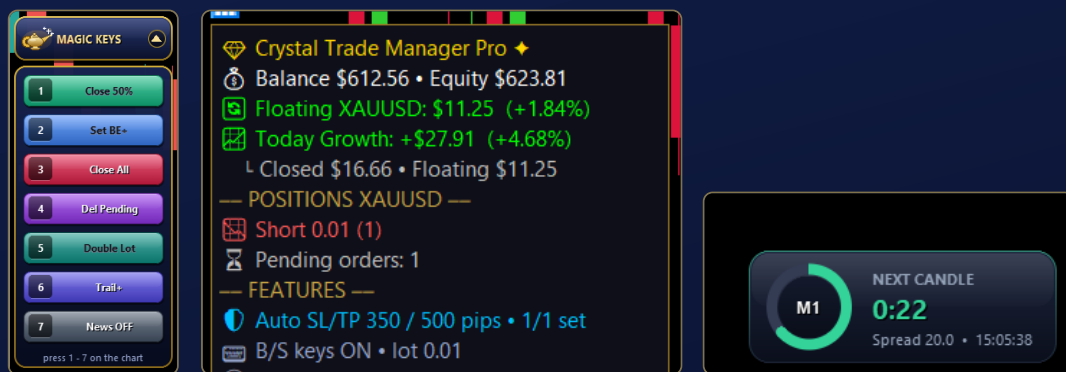


CRYSTAL TRADE MANAGER PRO

Protection, automation and one-click execution for MT5 traders

You decide where to enter. CTM Pro handles the rest: stop loss, break-even, trailing, daily drawdown, targets, news and sizing, so you can keep your attention on the market. This manual explains every setting, every button and every number the EA shows on your chart.



Protect

Daily drawdown guard with strict peak-balance mode and day lockout

Manage

Auto SL/TP, break-even, trailing stop, close-all at \$ or price

Execute

7 Magic Keys, keyboard trading, Long/Short planning box

See

Live dashboard, news lines, 3D candle timer, smart toasts

Publisher Crystal AI Systems

ML5 mql5.com/en/users/jawadtrader22

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IF YOU ONLY HAVE TEN MINUTES

Read **chapter 3** to install and learn the pip unit. Then read **chapter 5**, because drawdown protection is **OFF by default** and is the most important switch in the EA. Finally pick a starting point from **chapter 15**. Everything else you can learn by pressing the buttons on a demo account.

ABOUT THE PICTURES

The pictures are screenshots of the EA running in MT5, plus close renderings of its panels. Colours and sizes on your screen depend on your chart theme and your screen DPI, because CTM Pro scales its panels with Windows display scaling.

Why professional traders use a trade manager

Ask a group of full-time traders what separates a good month from a bad one and few of them will name an entry pattern. They talk about **execution**: the stop that was moved “just a little”, the winner closed too early, the third revenge trade after two losses, the news spike nobody saw coming. Strategy decides where you get in. Trade management decides what that idea is worth when the trade is over.

That is why desks, prop firms and serious retail traders put rules **outside their own head**. A rule written into software runs the same way at 3 a.m., after a losing streak, or while you are away from the screen. Your mood does not change it. CTM Pro is built around that idea. You decide where to enter, and the EA applies the management rules you set, the same way every time.

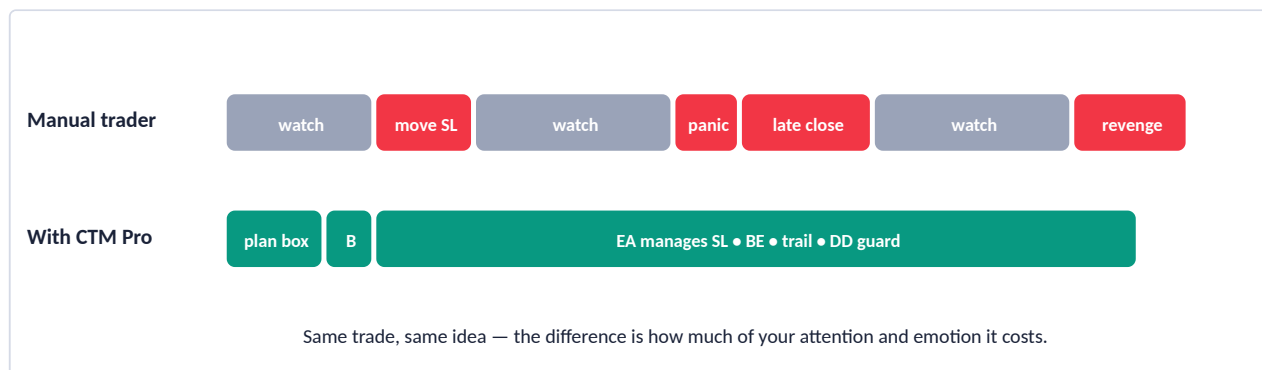


Figure 1.1 — The same trade managed by hand and with CTM Pro. The idea is the same; the attention and emotion it costs are not.

Five reasons traders automate management

1. Rules that hold under pressure

A daily loss limit only protects you if it actually fires. CTM Pro closes everything and locks trading for the rest of the day. You cannot negotiate with it.

2. Speed

Close half, move to break-even, close all, delete pending orders: one key each. In a fast market, a second saved is real money.

3. Consistency

Every new trade gets the same SL and TP, the same break-even rule and the same trailing distance. Your results then measure your strategy, not your mood.

4. Screen time back

When break-even and trailing run themselves, you do not need to watch every tick. Check the dashboard, not the chart.

5. Prop-firm style limits

Challenge rules are written in daily and maximum drawdown. The strict DD mode in CTM Pro follows the same peak-balance idea, so you see the real number before the firm does.

6. Information in one place

Balance, today's growth, drawdown room, open lots, the next news event and candle time are all on the chart, with no extra windows.

The problems a trade manager solves

The table below maps common trading mistakes to the CTM Pro feature that takes the decision away from you. If you recognise yourself in more than two rows, the EA will probably change how your trading days feel.

The problem	What usually happens	What CTM Pro does
No stop loss "for now"	The trade runs against you while you wait to set it	Auto SL/TP puts a stop and target on every new trade the moment it opens
Winner turns into a loser	Price reaches +150 pips, then comes back past entry	Break-even moves the SL to entry + buffer once the trigger is reached
Closing winners too early	Fear takes profit long before the move ends	Trailing stop follows price and lets the trend pay
Bad day becomes a disaster	Losses lead to bigger, faster trades	Drawdown guard closes everything at your limit and locks the day
Over-sizing	One click too many, three times the planned lots	Max lot limit trims anything above your cap per symbol
Basket management	Five positions, one target, a calculator in your head	Close all at \$ / price with live tags showing the exact level
Slow manual actions	Right-click, modify, type, confirm, repeat for each ticket	Magic Keys do it for all positions on the symbol in one press
Guessing the lot size	"0.5 feels right"	Position tool calculates the lot from your risk % and stop distance
News surprise	A high-impact release hits an open trade	News lines and alerts warn you before the event
Entering at candle close	Watching the clock in the corner of MT5	3D candle timer shows time left with colour stages

KEY POINT

A trade manager does not make a losing strategy profitable. It makes sure that a good strategy is executed the way you planned it, and that a bad day stays a small day. That is exactly the job professionals give it.

How CTM Pro fits into your routine

- 1 Before the session:** check the dashboard (balance, DD room, news countdown) and plan setups with the Long / Short box.
- 2 Entry:** open the trade your usual way, with one-click trading, the **B** / **S** keys or the order window. Auto SL/TP is added instantly.
- 3 Management:** break-even, trailing and the targets run on their own. Use Magic Keys when you want to act by hand.
- 4 Protection:** the drawdown guard watches the whole account in the background, on every symbol.
- 5 End of day:** today's growth and closed P&L are already on the dashboard. Nothing to calculate.

Meet CTM Pro

One EA, four jobs

Crystal Trade Manager Pro is an MT5 Expert Advisor that you attach to one chart. It does not look for entries. It manages the trades you open, protects the account, speeds up your actions and shows the key numbers on the chart.



Figure 2.1 — The feature map. Every chapter of this guide covers one of these tiles.

What CTM Pro is, and what it is not

CTM Pro IS	CTM Pro is NOT
A manager for trades you open: manually, with one-click trading, with its own keys, or from another EA on the same symbol	A signal generator or an automatic strategy. It never opens a trade by itself, except when you press B , S or Double Lot
An account guard: drawdown is measured on the whole account , all symbols	A guarantee: the broker fills at market, and gaps or slippage can go past any level
A visual planner: the Long / Short box calculates lot, risk and reward	An order placer: the box is for planning only in 6.28 (a Place Order button is on the roadmap)
Light: work happens on events and timers, and panels only repaint when their content changes	A copier or a VPS service

SCOPE — WHICH TRADES ARE MANAGED?

Auto SL/TP, break-even, trailing, Magic Keys and the \$ / price targets act on the **chart symbol** only. Attach one copy of the EA to each symbol you trade. The drawdown guard, the lockout and the max-lot check look at **every symbol** on the account. If you run several copies, give them the **same drawdown settings**.

What is new in version 6.28

Version 6.28 is the largest update in the history of CTM Pro. The whole interface was rebuilt with anti-aliased canvas graphics, and the engine went through a full performance and reliability audit.

Area	What changed
Strict drawdown NEW	The limit trails today's peak closed balance , the model prop firms use. On by default. Chapter 5.
Long / Short tool NEW	TradingView-style planning box: drag entry, SL, TP and width. Live lot, risk, reward and R:R. The whole value tag is a grab handle. Chapter 12.
Smart TP / SL keys	3D buttons with a two-step confirm state ("PRESS AGAIN TO CONFIRM"). Text colour is chosen by contrast so it always reads clearly.
Price & \$ tags	Centred 3D tags on the target lines with live P&L, a progress bar and the exact price where the symbol P&L reaches your target, with hedges and swap included.
Magic Keys panel	Rebuilt in 3D: navy and gold panel, keycap numbers, magic-lamp logo. The header bar shows and hides the panel, and the EA remembers your choice.
Dashboard	Lists only the features that are ON, has a collapse arrow for the second column, a strict-mode peak row, and a toggle button that never hides behind Magic Keys.
News	Dim dotted lines behind the candles, plus one slim vertical 3D tag per event (impact, countdown, actual). Tags never overlap. Full details in the tooltip.
Candle timer	3D widget with a progress ring and four colour stages, a pulse in the last 10%, spread and server clock. W1 / MN1 countdown fixed.
Toasts	Every message uses one design (success, error, warning, info), stacks up to 3, groups repeats (×2), and closes on click.
Close 50%	On a minimum-lot position (0.01) it now closes the trade instead of reporting "no positions".
Inputs	Every ON/OFF setting is now a plain true / false. Old .set files still load.
Display scaling	All canvas text is DPI-aware and larger, so it stays sharp and readable on 4K screens.

Under the hood

1× / 30 s

news re-fetch at most (was every second for a released event)

10% step

trailing modify step (was one request per point)

0 Sleep()

in close / delete loops (the EA never freezes)

21 → 8

chart objects for the Magic Keys panel

The full audit is listed in chapter 16. In practice, CTM Pro uses little CPU even on a fast gold chart, and nothing blinks or flickers when you scroll.

Installation and first run

Install

- 1 Buy or download CTM Pro in the MQL5 Market from inside MT5 (**Toolbox → Market**). It installs into `Experts\Market`.
- 2 Open the chart of the symbol you trade. Use one chart per symbol.
- 3 Drag **Crystal Trade Manager Pro** from the Navigator onto the chart.
- 4 On the **Common** tab, tick **Allow Algo Trading**. Then make sure the **Algo Trading** button in the MT5 toolbar is green.
- 5 On the **Inputs** tab, review the settings (chapters 5 – 14) or load a preset (chapter 15), then click **OK**.

Permissions you may need

Permission	Needed for	Where
Allow Algo Trading	Everything that trades or modifies	EA properties → Common, plus the toolbar button
WebRequest URL	Forex Factory news only	Tools → Options → Expert Advisors → <i>Allow WebRequest</i> , add <code>https://nfs.faireconomy.media</code>
Push notifications	Phone alerts (DD, news)	Tools → Options → Notifications → enter your MetaQuotes ID

The five-minute setup

Setting	Set to	Why
EnableDrawdownProtection	true	It is false by default . This is the switch that protects the account.
MaxDrawdownPercent	3 – 5	Your daily loss limit as % of the morning balance
StopLossInPips / TakeProfitInPips	your style	Check the pip unit below first, especially on gold
EnableBreakEven	true	Protects winners automatically
DefaultKeyboardLotSize	your lot	So B / S never open a surprise size

WARNING — THE PIP UNIT

All pip inputs in CTM Pro use one rule. On **3- and 5-digit** symbols, 1 pip = **10 points**. On every other symbol, 1 pip = **1 point**. On a 2-digit gold quote (XAUUSD 4173.53), 1 pip = 0.01, so the default stop of 350 pips is a **\$3.50 price move**, not \$35. Some inputs say “points” in their label, but every one of them uses this same pip unit. Check one trade on a demo before you trade live.

The pip unit and a tour of the chart

Symbol example	Digits	1 pip =	350 pips =	Note
EURUSD 1.08452	5	0.0001	0.0350	Classic forex pip
USDJPY 151.234	3	0.01	3.50	Classic JPY pip
XAUUSD 4173.53	2	0.01	3.50	Gold on most brokers: pip = point
XAUUSD 4173.531	3	0.01	3.50	3-digit gold: same result
US30 42150.5	1	0.1	35.0	Indices: pip = point
BTCUSD 98250.12	2	0.01	3.50	Use large values on crypto

What appears on your chart

CTM Pro only draws the parts you switch on. With default settings you will see the following elements.

Element	Where	What it is for	Chapter
Dashboard	Top-left	Balance, growth, drawdown guard, positions, active features	4
Magic Keys	Left side	Seven one-click actions with keys 1 – 7. Click the header to hide or show it.	11
Dashboard toggle	Bottom-left	Hides or shows the dashboard	4
LONG / SHORT	Bottom-left	Starts the position planning box	12
Smart TP / SL keys	Top-right	Only in price-target mode: pick, confirm and reset levels	6
Candle timer	Bottom-right	Time to the next candle, spread, server clock	14
News tags	Top of chart	Upcoming and recent events on your currencies	13
Toasts	Top-right	Short messages about what the EA just did	14

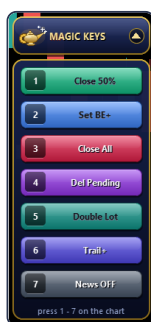


Figure 3.1 — Magic Keys panel.



Figure 3.2 — Dashboard toggle (db) and the LONG / SHORT buttons.

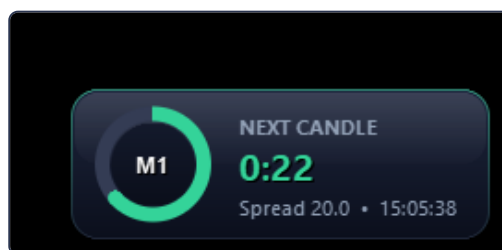


Figure 3.3 — 3D candle timer.

REMOVING THE EA

Remove it from the chart (right-click → Expert list → Remove). All CTM objects are deleted. Your positions and their SL/TP stay exactly as they are.

The dashboard

The dashboard is a live summary of your account, written for a quick glance. It updates on ticks and on a timer, so it is not blank when the market is closed. It only writes to the chart when a number actually changes.



Figure 4.1 — The dashboard on XAUUSD with one short trade open.

Row	Meaning
Balance • Equity	Account balance and equity right now
Floating SYMBOL	Open P&L of the chart symbol, and % of balance
All symbols	Shown when other symbols also have open trades
Today Growth / Loss	Today's result in \$ and %, measured from the start-of-day balance (the same base the lockout uses)
└ Closed • Floating	Today's result split into closed deals and open trades. The two add up.

The sections

Section	Rows and what they tell you
DRAWDOWN GUARD	DD x% / limit% with floating %, then % used • Room \$, the money left before the lock. Trading ACTIVE • Lock @ Equity \$ is the exact equity that fires the lock. In strict mode an extra Peak Bal \$ • Limit \$ row appears. When locked, the section shows TRADING LOCKED • resets in hh:mm.
TARGETS	\$ mode: Profit \$500 • need \$x and Loss -\$250 • room \$x. Price mode: the locked TP / SL prices and the expected \$ result.
POSITIONS	Long and short lots and counts for the symbol, the Net exposure and its bias, and the number of pending orders.
FEATURES	Only features that are ON, each with its live state: Auto SL/TP n/n set, BE n done, Trailing n running, Trail+ manual, Max Lot used / cap, next news countdown, B/S keys and lot.

KEY POINT

Look at **Lock @ Equity**. It answers the only question that matters on a bad day: “how much further can this go before the EA stops me?”

Dashboard controls

Show / hide

The small **db** button at the bottom-left hides or shows the whole dashboard. Its position adapts: when the dashboard is hidden or not drawn yet, the button moves to a fixed bottom-left spot. It never sits under the Magic Keys panel, and it always stays on top of the other panels.

The collapse arrow

When the dashboard has many rows, it grows into two or three columns instead of cutting rows. A small arrow on the column divider collapses the extra columns. These rules apply:

- The arrow only appears when the panel really has two or more columns.
- When collapsed, a badge shows how many rows are hidden.
- The badge turns **amber** when a hidden row needs attention: news within 5 minutes, positions without SL/TP, Max Lot use at 80% or more, or the loss target 80% used.
- **Drawdown Guard rows can never be hidden.** If they would land in a hidden column, the panel switches to a compact single column that keeps the most important rows.
- The collapsed state is saved and survives timeframe changes and terminal restarts.

Display setting

Setting	Default	What it does
EnableDisplay	true	Draws the dashboard. Set it to false on a VPS or a chart you never look at. Every protection keeps working without it.

Row colours

Colour	Meaning
 Green	Positive P&L, trading active, a feature in a healthy state
 Red	Negative P&L, short exposure, lockout
 Orange / amber	Needs attention: positions without SL/TP, a limit close to full, news soon
 Sky blue	Feature status lines
 Silver	Neutral information (no positions, pending order count)
 Gold	Title and section headers

NOTE

The drawdown % on the dashboard comes from the **same function** the lockout uses. What you see is exactly the number the protection acts on. There is no second calculation that could disagree with it.

Typical readings

You see	It means
DD 2.40% / 5.00% • 48% used	You have used about half of today's loss budget
Room \$26.00	\$26 more loss (closed + floating) before the lock
Auto SL/TP 350/500 pips • 1/2 set	One of two trades has no SL/TP yet (orange). Check the journal for a broker rejection.
Max Lot 0.80 / 1.00	80% of the lot cap is used on this symbol

Drawdown protection

The drawdown guard is the most important feature in CTM Pro. It measures today's loss across the whole account. When the loss reaches your limit, it closes every position on every symbol, optionally deletes pending orders, and **locks trading until the next server day**.

Setting	Default	What it does
EnableDrawdownProtection	false	Master switch. Turn it on . When it is off, nothing below runs.
MaxDrawdownPercent	10.0	Daily loss limit in % (0.10 – 80.0). Values outside the range are clamped, with a note in the journal.
StrictDailyDrawdown	true	true = the limit trails today's peak closed balance. false = today's profit adds room (the behaviour before 6.27).
ClosePendingOrders	false	When the limit is hit, also delete all pending orders

What happens when the limit is reached

- 1 All open positions on **all symbols** are closed as a background batch. Hedged pairs are netted with Close By, so it needs fewer requests.
- 2 If `ClosePendingOrders = true`, all pending orders are deleted.
- 3 Trading is **locked for the rest of the server day**. The lock is saved, so restarting MT5 does not remove it.
- 4 A red toast appears, a sound plays and a push notification goes to your phone (when notifications are on).
- 5 While the lock is active, any new position is closed within seconds and any new pending order is deleted, on any symbol. The **B** / **S** keys and the Buy / Sell buttons are blocked.

Choosing the limit

MaxDrawdownPercent	Effect	Suits
1 – 2	Very tight. A couple of normal losses lock the day.	Large accounts, capital preservation
3 – 5	Room for a normal bad day, but no disaster	Most traders, prop-firm challenges (below the firm's own limit)
6 – 10	Loose. Only stops a really bad day.	Small accounts, high-volatility symbols
> 10	Rarely fires	Not recommended as a daily limit

WARNING — PROP FIRMS

Set your limit **below** the firm's rule. For a 5% firm rule, 4% is a sensible choice. The EA closes at market, so slippage, spread widening and commission can add a little after the trigger. Firms may also count equity highs or use their own server time. Read your firm's rules and leave a margin.

Strict mode: the peak-balance model

With `StrictDailyDrawdown = true`, the guard works the way most prop firms define daily loss:

- **The limit in \$ is fixed in the morning:** $\text{MaxDrawdownPercent} \times \text{the balance at the start of the day}$.
- **The peak is today's highest closed balance.** Closing a winner raises it. Floating profit never raises it.
- **The lock fires when equity $\leq \text{peak} - \text{limit}$ \$.** It fires at the limit, not only past it.

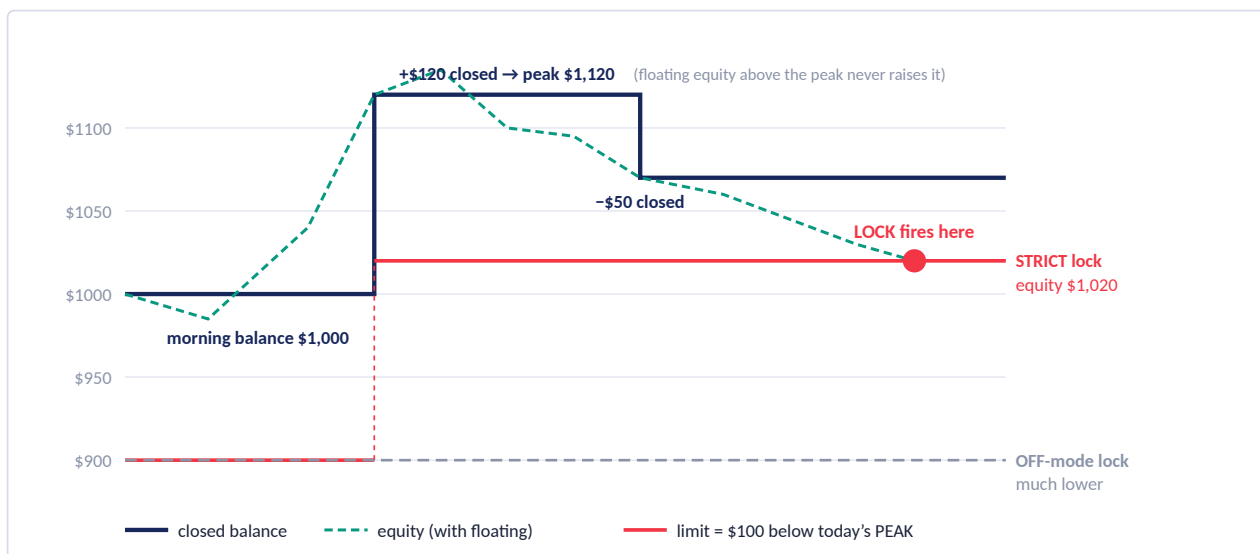


Figure 5.1 — \$1,000 morning balance, 10% limit = \$100. After +\$120 is closed the peak is \$1,120, so the lock moves up to an equity of \$1,020. The -\$50 loss that follows does not lower the peak.

Worked example

Event	Closed balance	Peak	Lock @ equity (strict)	Lock @ equity (OFF)
Morning, limit 10% = \$100	\$1,000	\$1,000	\$900	\$900
Close a winner +\$120	\$1,120	\$1,120	\$1,020	\$900
Close a loser -\$50	\$1,070	\$1,120	\$1,020	\$900
Open trade floats -\$50	\$1,070	\$1,120	equity \$1,020 → LOCK	still open

In OFF mode the morning's profit becomes extra room: the account could fall from \$1,120 all the way to \$900 before anything happens, giving back the whole win and \$100 more. Strict mode never lets a good morning fund a bad afternoon.

KEY POINT

The peak is rebuilt from today's deal history, in time order, every time it is needed. Restarting MT5, changing timeframe or editing inputs never resets it. **Deposits and withdrawals never move it.**

WHEN TO USE OFF

Choose `false` if you scale into positions and want the day's profit to act as a cushion. That is the classic "net daily P&L" rule. Remember that the lock then fires later on a day that started with wins.

Auto close all at target

This module closes all positions on the chart symbol when the basket reaches a target. Choose one of two modes: a **\$ amount**, or **price levels** that you click on the chart.

Setting	Default	What it does
EnableAutoClose	false	Master switch for the module
EnableTargetPriceMode	Amount (\$)	Close All With Amount(\$) or Close All With Fixed Price Levels
TargetProfitAmount	500.0	\$ mode: close everything when the symbol's floating P&L ≥ this. 0 = off.
TargetLossAmount	-250.0	\$ mode: close everything at this loss. The sign is ignored, so 250 and -250 both work. 0 = off.
EnableAutoShiftWithTargets	true	Price mode: turns on chart shift so the tags have room. Your own shift setting is restored when you leave price mode.

\$ amount mode

The EA adds up the floating P&L of every position on the chart symbol, buys and sells, including swap. When the total reaches the profit target, or falls to the loss target, it closes them all and shows a toast. A loss-target close also raises an MT5 Alert window.



Figure 6.1 — \$ mode lines. The TP tag shows the target and the live NOW \$; the SL tag shows the loss limit. The tag chip turns amber at 70% of the way and bright at 90%.

The two lines are drawn at the **exact price** where the symbol's P&L would equal your target. That price accounts for hedged positions, different entry prices and swap. A \$500 line really means \$500, not an estimate that might be \$580.

NOTE
Auto close is suspended while the symbol's market is closed (weekend, session break), because the broker would reject the orders. It resumes on the first tick.

TIP — BASKETS
\$ mode works best for grid or scaling baskets, where you care about the total result rather than each ticket. For a single trade, Auto SL/TP or the price mode is more precise.

Price mode and the smart TP / SL keys

In price mode you pick a TP and / or SL **price** on the chart. When price reaches it, every position on the symbol is closed. This is ideal when your exit is a level (a high, a zone, a round number) rather than a number of pips. Three smart keys appear at the top-right of the chart.

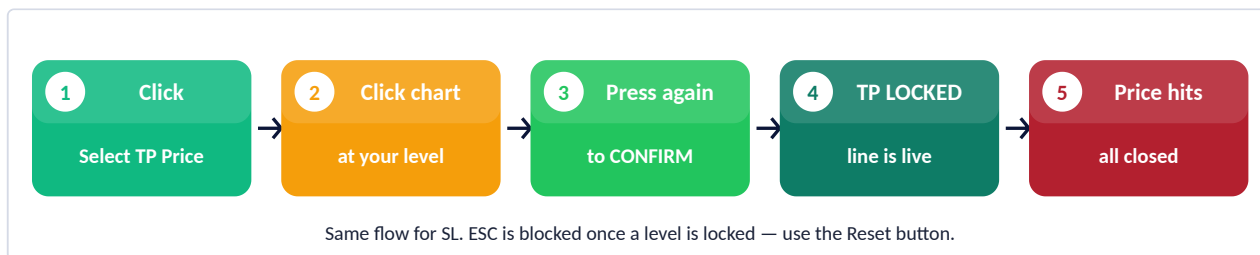


Figure 6.2 — Setting a TP level: click the key, click the chart, press the key again to confirm.

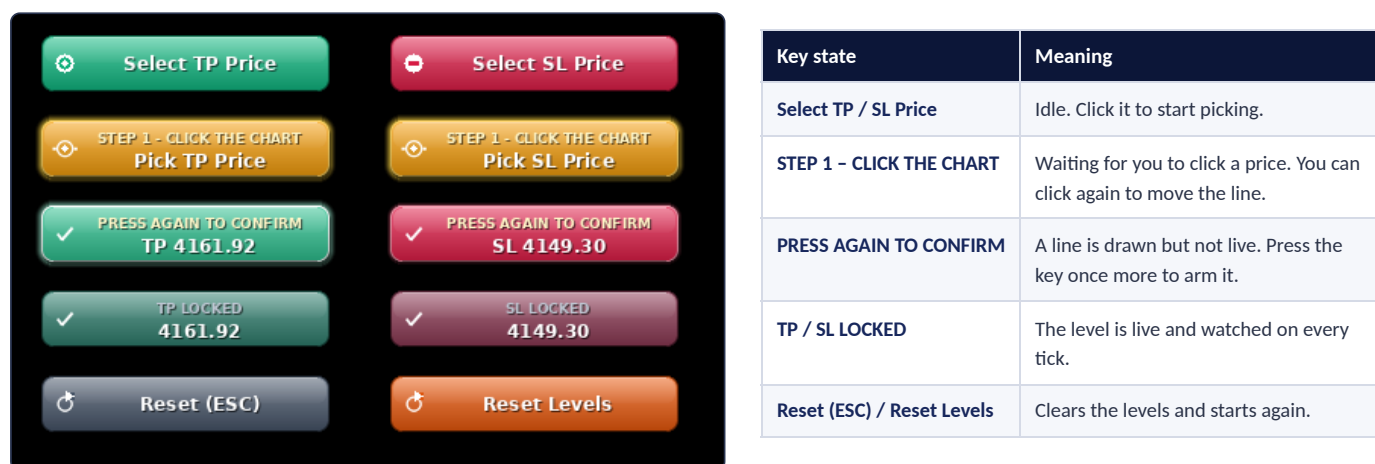


Figure 6.3 — Every state of the smart keys.

Safety rules built into price mode

- **Direction check.** From your levels, the EA works out whether you planned a LONG (TP above price) or a SHORT. If the open positions point the other way, the levels are reset with a red warning.
- **One direction only.** Price mode is for one-direction baskets. On a hedged symbol (buys and sells open together) levels cannot be confirmed.
- **Opposite trade reset.** If you open a trade in the other direction after the levels are locked, they are cleared and a toast explains why.
- **ESC is blocked once a level is locked.** This prevents an accidental reset. Use the Reset key on purpose. Before confirmation, ESC cancels.
- **One hit closes all.** TP is checked against Bid for buys and Ask for sells (SL the same way). After a hit, the levels reset.

Reading the price-target tags



Figure 6.4 — A confirmed TP (solid green, “CLOSE-ALL TARGET”) and a picked but unconfirmed SL (amber dashed, “PRESS BUTTON TO CONFIRM”). The smart keys sit at the right.

Tag part	Meaning
TP / SL chip	Which level this is, in the level colour
Price	The exact level, rounded to the symbol's tick size
P&L \$	What the whole basket would make or lose if closed at that price, including swap (OrderCalcProfit)
State capsule	PRESS BUTTON TO CONFIRM (pending) or CLOSE-ALL TARGET (live)
Pointer	Points from the tag to the line
Edge pinning	When the level is off-screen, the tag pins to the top or bottom edge so you never lose it

Example: closing a gold basket at a level

- Two XAUUSD buys are open at 4158 and 4160. Resistance is at 4176.
- Click **Select TP Price**, click the chart at 4176, then press the key again. The tag shows the exact \$ result of closing both buys there.
- Click **Select SL Price**, click below the last swing at 4149, then confirm. The tag shows the planned loss.
- Walk away. Whichever level is touched first closes both trades, and the system resets.

WARNING

Price-mode levels are **virtual**. They live in the EA, not on the broker server. If MT5 is closed or loses connection, they are not watched. For trades that must be protected while your computer is off, also use a real SL (Auto SL/TP), or run MT5 on a VPS.

CHART SHIFT

With `EnableAutoShiftWithTargets = true`, the EA turns on chart shift when price mode starts, so the right-side tags have room. It only restores the setting if it was the one that turned it on. Your own choice is never overwritten.

Auto SL / TP

Every new position on the chart symbol gets a stop loss and take profit the moment it opens. It does not matter how you open it: one-click trading, the order window, your phone, the **B** / **S** keys, or another EA on the same symbol.

Setting	Default	What it does
EnableAutoSLTP	true	Switches the feature on
StopLossInPips	350.0	SL distance from the entry price, in CTM pips. 0 = do not add an SL.
TakeProfitInPips	500.0	TP distance from the entry price, in CTM pips. 0 = do not add a TP.

Rules

- **It never overwrites your levels.** SL and TP are checked separately. If you opened with an SL but no TP, only the TP is added.
- **Once per position.** The EA remembers which positions it has handled, even across timeframe changes and input edits, so moving your SL by hand afterwards is respected.
- **New trades only.** Positions that were already open before the EA was attached are not changed. Use them as they are, or set SL / TP by hand.
- A green toast confirms the levels, for example “Auto SL/TP set for position #442887389, SL 4183.04, TP 4174.54”.

Choosing the distances

Symbol (pip unit)	Scalping	Intraday	Swing
EURUSD, GBPUSD (0.0001)	8 – 15 / 10 – 25	20 – 40 / 40 – 80	60 – 120 / 120 – 300
USDJPY (0.01)	10 – 15 / 15 – 30	25 – 45 / 50 – 90	70 – 140 / 150 – 300
XAUUSD 2-digit (0.01)	150 – 300 / 200 – 500	350 – 800 / 500 – 1,500	1,500 – 3,000 / 3,000 – 8,000
US30 / NAS100 (index point)	300 – 600	800 – 1,500	2,500+

Values are SL / TP in CTM pips. They are starting points, not rules. Measure your own symbol's typical range (for example ATR on your timeframe) and adjust.

NOTE — BROKER STOP LEVEL

If the distance is inside the broker's minimum stop level, the modify is rejected and the dashboard shows the position as *not set* (orange). Increase the distance. The reason is printed in the Experts journal.

TIP

Use Auto SL/TP as your safety net, even if you plan to exit by hand. A real stop on the broker server protects you when MT5 is closed. Virtual levels (price mode) cannot do that.

Break-even

When a trade reaches a set profit, the EA moves its stop to the entry price plus a small buffer. From then on the trade can no longer become a loss, apart from gaps and slippage.

Setting	Default	What it does
EnableBreakEven	false	Switches automatic break-even on
PipsInProfitTrigger	150.0	Profit (in CTM pips) that triggers the move
AdditionalPips	20.0	Buffer above entry (buy) or below entry (sell) for the new SL. It also covers spread and commission.

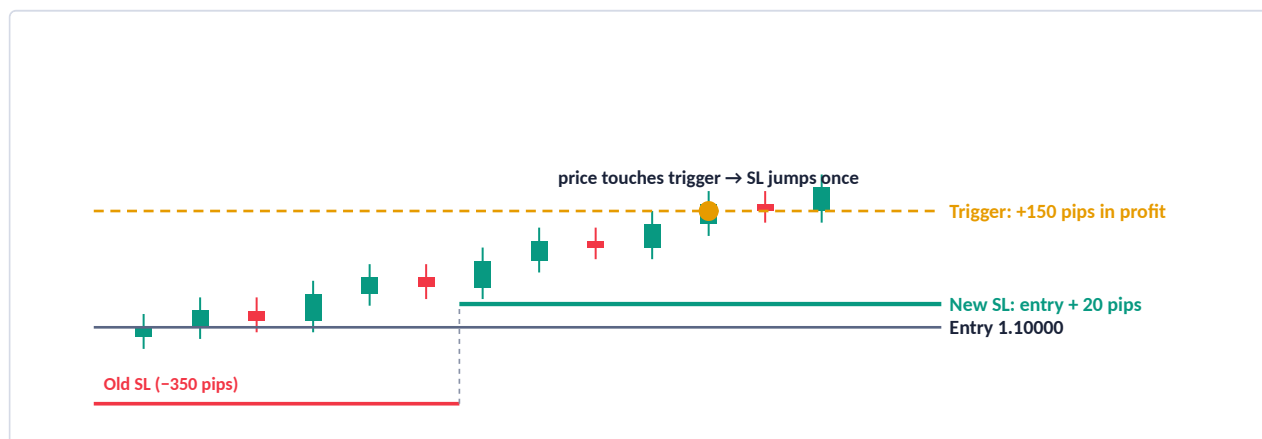


Figure 8.1 — A buy reaches +150 pips, so its SL jumps from -350 to entry + 20 pips. It happens once.

Value guide

Trigger vs stop	Effect	When to use it
Trigger < 0.5 × SL	Locks early. Many trades closed at small profit by normal pullbacks.	News scalps, very fast markets
Trigger = 1 × SL (1R)	The classic: risk-free once the trade has earned its risk	Most traders
Trigger > 1.5 × SL	Gives the trade room, protects later	Swing trades, wide structure

Magic Key 2 — Set BE+ by hand

Key **2** moves the SL of **every position on the symbol** to entry ± AdditionalPips right away, without waiting for the trigger. It only changes a stop if the new one is better than the current one.

WARNING

The broker only accepts a stop on the correct side of the current price. If a trade is not yet beyond entry + buffer, the manual BE+ for that trade is rejected (shown in the journal). Use it on trades that are already in profit.

NOTE

The input labels say “Points”, but both values use the CTM pip unit (chapter 3), the same as Auto SL/TP. On a 5-digit EURUSD, 150 means 150 classic pips (0.0150). On 2-digit gold, 150 means 1.50 in price.

Trailing stop

Once a trade is far enough in profit, the stop follows price at a fixed distance. It moves only in your favour and never back. Trends are allowed to run, and most of the move is kept when they turn.

Setting	Default	What it does
<code>EnableTrailingStop</code>	false	Automatic trailing for every position on the symbol
<code>TrailingActivationPips</code>	400.0	Profit (CTM pips) at which trailing starts
<code>TrailingDistancePips</code>	200.0	How far behind price the SL follows

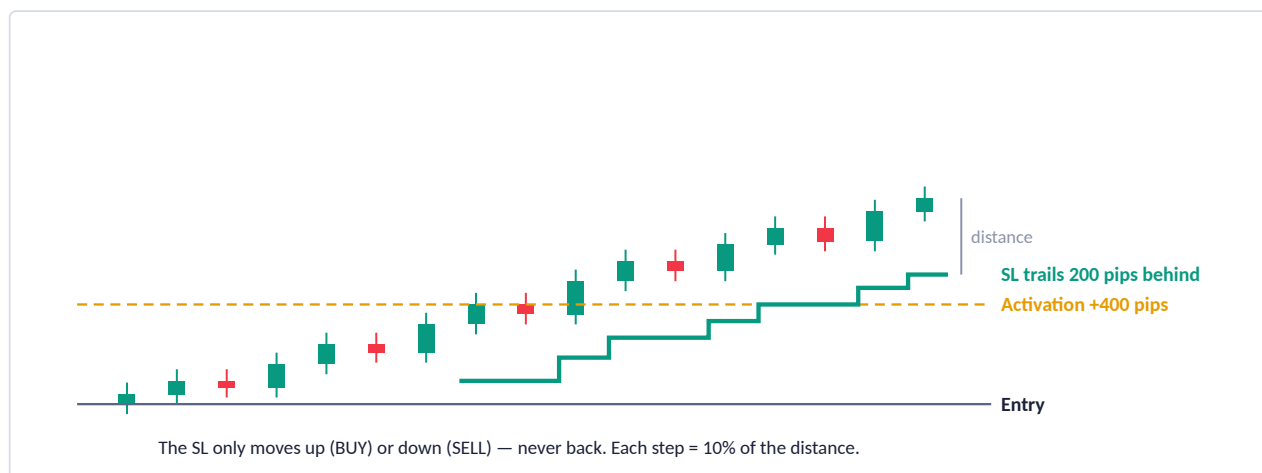


Figure 9.1 — Trailing starts at +400 and the SL then follows 200 pips behind price, in steps.

Smart step

The SL is modified when price has moved at least **10% of the trailing distance** beyond the last stop (with 200 pips, every 20 pips). That keeps the protection tight while sending far fewer requests to the broker. Many brokers flag accounts that send a modify on every tick. If a modify is rejected, that ticket waits 5 seconds before trying again.

Magic Key 6 — Trail+

Key **6** starts trailing by hand on every position that is already at least `TrailingDistancePips` in profit, **even when `EnableTrailingStop` is false**. Those positions keep trailing until they close. The dashboard shows them as *Trail+ manual • n running*.

Distance	Effect	Suits
Tight ($< 0.5 \times \text{SL}$)	Keeps most of the profit, but is stopped out by normal noise	Momentum bursts, news spikes
Medium ($0.5 - 1 \times \text{SL}$)	A balance between room and protection	Intraday trends
Wide ($> 1 \times \text{SL}$)	Rides big trends and gives back more at the end	Swing positions

KEY POINT — COMBINE THEM

A common setup is break-even at 1R, then trailing from 2R with a 1R distance. The trade is first made safe, then allowed to grow. Keep the activation above the break-even trigger, so the two features hand over cleanly.

Maximum lot size

A hard cap on the total lots open on a symbol. Fat-finger orders, doubled entries and runaway grid EAs are cut back to your limit automatically.

Setting	Default	What it does
EnableMaxLotLimit	false	Switches the cap on
MaxLotSizePerSymbol	1.0	Maximum total lots (buys + sells) per symbol

How it works

- 1 After every new deal, the EA adds up the lots open on each symbol.
- 2 If a total is above the cap, the **newest** position on that symbol is partially closed by the excess, rounded up to the broker's lot step.
- 3 A toast reports it, for example *"Partially closed position #123 by 0.20 lots to maintain max lot limit of 1.00"*.
- 4 The **B** / **S** keys shrink their lot to fit the room left under the cap, or refuse to trade when the cap is already full.
- 5 If the broker rejects the partial close, the EA waits 3 seconds before trying again.

Choosing the cap

Approach	How to set it
Risk-based	Largest lot your stop allows at your max risk %, × the number of positions you allow at once
Prop-firm rule	Many firms publish a maximum lot or exposure per symbol. Set the cap at or below it.
Grid / basket EAs	The sum of all planned grid levels, so the last steps of a grid cannot exceed your plan

NOTE

The cap is checked on **every symbol** on the account, with the same value. The dashboard shows *Max Lot used / cap* for the chart symbol and turns amber at 80%.

WARNING

The trim happens **after** the order is filled. For a moment the larger size is live in the market. The cap is a safety net, not a replacement for checking your lot size before you trade.

Notifications

Setting	Default	What it does
EnableNotifications	true	Toasts and sounds for automatic actions (auto close, lockout, max-lot trims), plus a push notification for the drawdown lock and news alerts. Turning it off makes the EA silent. The protections still work.

Magic Keys and keyboard trading

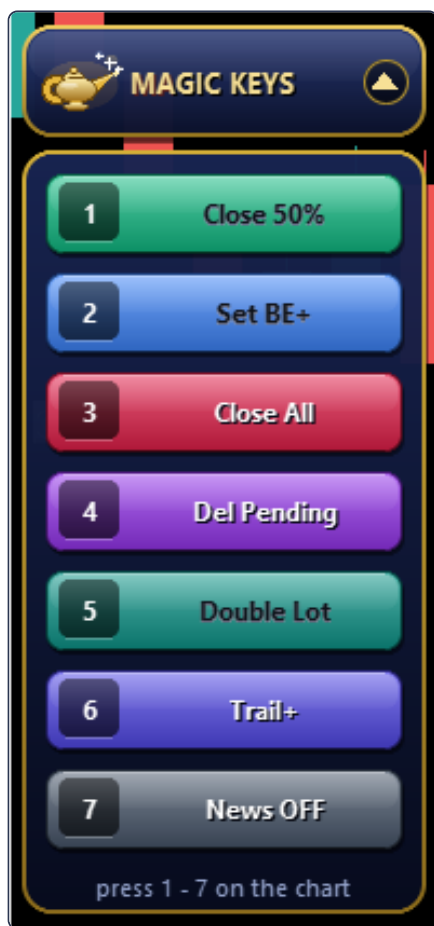


Figure 11.1 — The Magic Keys panel.



Figure 11.2 — Collapsed: click the header bar.

Seven actions that would each take several clicks per ticket in MT5, done for **every position on the chart symbol** with one press. Click a key or press its number on the keyboard while the chart is focused.

Key	Name	What it does
1	Close 50%	Halves the buy lots and the sell lots, keeping a hedge balanced. A minimum-lot position (0.01) that cannot be halved is closed.
2	Set BE+	SL to entry $\pm$ AdditionalPips on all positions (chapter 8)
3	Close All	Closes every position on the symbol
4	Del Pending	Deletes every pending order on the symbol
5	Double Lot	Opens a market order equal to the total lots of the dominant side (buys if buys $\geq$ sells)
6	Trail+	Starts manual trailing on positions already $\geq$ TrailingDistancePips in profit (chapter 9)
7	News ON/OFF	Turns the news system on or off. The choice is remembered (chapter 13).

Every press gives feedback: the key glows, a sound plays (OK or alert), and a toast reports the result, for example “Closed 0.05 lots (50%) for XAUUSD”.

Setting	Default	What it does
EnableMagicKeys	true	Draws the panel
EnableKeyboardShortcuts	true	Number keys 1 – 7 trigger the keys. They work even when the panel is collapsed.

Which key, when?

Situation	Press
Trade is in profit and news is coming	2 Set BE+, then 1 Close 50% if you want less exposure
Strong trend, you want to keep the runner	6 Trail+
Setup is invalid, get out now	3 Close All, then 4 Del Pending
Breakout confirmed, add the same size again	5 Double Lot (Auto SL/TP protects the new order)
Quiet session, no need for news drawings	7 News OFF

Keyboard trading: the B and S keys

Press **B** to buy or **S** to sell at market on the chart symbol. Upper and lower case both work. Combined with Auto SL/TP, one key press gives you a fully protected position.

Setting	Default	What it does
EnableKeyboardTrading	true	Enables B / S
DefaultKeyboardLotSize	0.01	Lot for each key press. 0 = auto (see below).

WARNING — KEYS ARE LIVE

With shortcuts on, pressing **3** on a focused chart **closes all positions**. There is no confirmation dialog, because speed is the point. If you type on your charts (objects, comments), turn the shortcuts off.

Which lot is used?

- 1 If `DefaultKeyboardLotSize > 0`, that lot.
- 2 If it is 0: the **last volume you traded** on this symbol, remembered in a global variable.
- 3 If there is no history: the broker's minimum lot.
- 4 The result is always fitted to the broker's min / max / step, and checked against the Max Lot cap.

Safety checks before every key trade

- Refused while the drawdown lockout is active (red toast and an Alert).
- With the Max Lot cap on, the lot is reduced to fit the room left (amber toast), or the trade is refused when the cap is full.
- A key trade is a normal trade: Auto SL/TP, break-even and trailing all apply to it.

All shortcuts at a glance

Key	Action	Needs
1 - 7	Magic Keys 1 - 7	EnableKeyboardShortcuts
B	Buy at market	EnableKeyboardTrading
S	Sell at market	EnableKeyboardTrading
ESC	Cancel the position box (placing or open). Otherwise, reset an <i>unconfirmed</i> price-target pick.	—
Del	Close the open position box	Position tool

TIP — FOCUS

MT5 sends key presses only to the chart that has focus. Click once on an empty part of the chart before using shortcuts. If you use several charts, each copy of the EA trades its own symbol.

NOTE

MT5's own hotkeys still work alongside CTM Pro. Do not assign a CTM key letter to a terminal hotkey. If two actions share a key, MT5 runs both.

Long / Short position tool

Plan a trade the way chart platforms like TradingView do: a box with an entry line, a green profit zone and a red loss zone. CTM Pro adds what those tools usually lack: the **lot size for your risk**, using your real broker contract, tick value, spread and commission.



Figure 12.1 — A SHORT plan on XAUUSD in MT5.

Part	What it shows
SL tag	SL price • risk in pips • risk in \$ • % of balance
TP tag	TP price • reward in pips • reward in \$ • %
Info pill, line 1	Direction • calculated lot • reward : risk
Info pill, line 2	Live state • entry • current spread
▲▼ button	Swap LONG ↔ SHORT, keeping the distances
× button	Close the box
Handles	Circles on TP, SL and entry; a circle on the right edge for the width

PLANNING ONLY

In 6.28 the box does not send orders. It tells you exactly what to type. A Place Order button is on the roadmap.

Live states

State	Meaning
WAITING	Price has not reached the entry yet
OPEN	Price touched the entry. A live band fills from entry to the current price, and the pill shows the simulated P&L in \$ and pips.
TP HIT / SL HIT	The simulated trade reached its target or its stop. Useful to review a plan afterwards.

Warning flags

Flag	Meaning
lot (min!)	Your risk is too small for the broker's minimum lot. The real risk at minimum lot is higher than planned.
lot (max!)	The calculated lot was capped at the broker maximum
too close	TP or SL is inside the broker stop level. Shown with amber dashes on the edge.

Using the box

- 1 Click **LONG** or **SHORT** at the bottom-left. A ghost box follows your mouse. Press **ESC** to cancel.
- 2 Click the chart where you want the entry. The box is placed with a default SL and your default reward : risk.
- 3 Adjust it by dragging (table below). The lot, \$ and % update while you drag.
- 4 Read the lot from the info pill and place your order (B / S key, one-click, or a pending order at the entry price).
- 5 Close the box with **x**, **ESC** or **Del**. Otherwise it stays, and survives restarts and timeframe changes.

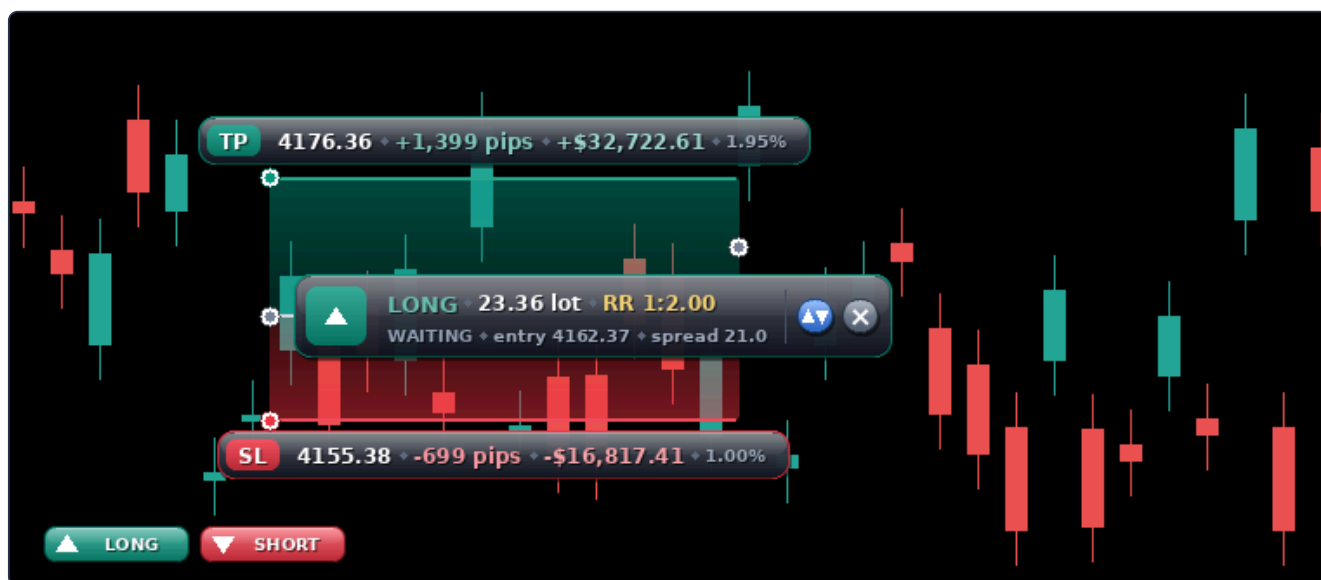


Figure 12.2 — A LONG plan: 1:2 reward : risk, with the lot sized for 1% of balance.

Mouse controls

Grab	Effect
TP tag (anywhere on it) or TP circle	Move the TP. The whole value tag is a handle and glows on hover. The move is relative to where you grabbed, so the level never jumps.
SL tag (anywhere on it) or SL circle	Move the SL, the same way
Info pill, entry circle or inside the box	Move the whole box: price and time together
Right edge or width circle	Change the width (minimum 3 bars)
▲▼ / x	Swap direction / close the box

Example: planning a gold short

Step	What you see on the box
Click SHORT , click 4173.53	Entry 4173.53, default SL and TP at 1:2. Line 2 reads WAITING • entry 4173.53 • spread 7.0.
Drag the SL tag to 4177.38	SL tag: -385 pips • -\$3.92 • 0.64%. The lot updates to match your risk.
Drag the TP tag to 4165.83	TP tag: +770 pips • +\$7.70 • 1.26%. Line 1 shows RR 1:2.00.
Place a sell limit at 4173.53	Use the lot from line 1. When price touches the entry the box switches to OPEN and tracks the simulated P&L.

Position tool settings

Setting	Default	What it does
InpPTEnable	true	Shows the LONG / SHORT buttons and the tool
InpPTRiskMode	Risk % bal.	How the lot is calculated (table below)
InpPTFixedLot	0.10	Lot in Fixed-lot mode
InpPTRiskPercent	1.0	Risk % for the balance and equity modes
InpPTRiskMoney	50.0	Risk in \$ for Fixed-money mode
InpPTCommissionLot	0.0	Round-turn commission per lot in \$. Added to the risk, subtracted from the reward.
InpPTSpreadInRisk	true	Adds the current spread to the stop distance, giving a slightly smaller, safer lot
InpPTDefaultSLPips	0.0	SL distance of a new box. 0 = 7% of the visible chart height.
InpPTDefaultRR	2.0	Reward : risk of a new box
InpPTWidthBars	0	Width of a new box in bars. 0 = about 220 pixels.
InpPTProfitColor / InpPTLossColor	 	Zone colours
InpPTOpacity	50	Zone opacity, 10 – 90%
InpPTTextSize	17	Label size 10 – 26 px, scaled automatically with screen DPI

TIP

While the mouse is over the box, chart scrolling is paused, so dragging a level never scrolls the chart behind it. Move the mouse away and scrolling works normally again. TP and SL can never cross the entry.

Risk modes

Mode	Lot =	When to use it
Fixed lot	InpPTFixedLot (the box still shows the \$ risk)	You always trade the same size
Risk % of balance	$\text{balance} \times \% \div \text{loss per lot at SL}$	The standard choice. Risk stays steady while trades are open.
Risk % of equity	$\text{equity} \times \% \div \text{loss per lot}$	Smaller size while floating losses exist
Fixed money	$\$ \text{ amount} \div \text{loss per lot}$	Prop challenges with a fixed \$ risk per trade

Example

Balance \$10,000, risk 1% = \$100. Long EURUSD, entry 1.08500, SL 1.08300 (20.0 pips), spread 0.8 pips, commission \$7 per lot. The loss per lot is $20.8 \text{ pips} \times \$10 + \$7 = \215 , so the lot is $100 \div 215 = 0.465$. That is rounded **down** to the lot step: **0.46 lot**. Rounding is always down, so the real risk never exceeds your setting (unless the minimum-lot flag appears).

News system

CTM Pro reads the economic calendar, marks upcoming events on your chart, and alerts you before they happen. The goal is to be readable without cluttering the chart.

Setting	Default	What it does
InpNewsEnable	false	Starting state of the news system. Magic Key 7 turns it on or off later, and that choice is remembered.
InpNewsSource	MT5 Calendar	MT5 Calendar (Real-Time) , built into the terminal, or Forex Factory (XML)
InpNewsFFURL	ff_calendar_thisweek.xml	Forex Factory feed address. Leave it as it is.
InpFFURL	(reminder)	Not a setting. A reminder to add the URL in Options → Expert Advisors → WebRequest.
InpNewsFFOffset	0	Hours added to Forex Factory times to match your broker's server time
InpNewsImpactFilter	Medium & High	High only / Medium & High / All news
InpNewsFilterCurr	true	Only events for the currencies of the chart symbol
InpNewsShowLines	true	Draws the event lines and tags
InpNewsTextSize	8	Kept so old .set files still load. The 6.28 tags size themselves with screen DPI.
InpNewsColorHigh / Med / Low		Impact colours for lines and tag dots
InpNewsAlertMinutes	1	Minutes before an event when the alert fires

Which source should I use?

Source	Strengths	Limits
MT5 Calendar	No setup. Already in server time. Actual values arrive in real time.	Depends on your broker's terminal build and calendar access
Forex Factory	The calendar many traders already follow	Needs the WebRequest permission. Times may need <code>InpNewsFFOffset</code> . Covers the current week.

WARNING — FOREX FACTORY SETUP

Without the WebRequest permission, the feed cannot be downloaded and no events appear. Add `https://nfs.faireconomy.media` in **Tools → Options → Expert Advisors**, tick **Allow WebRequest for listed URL**, then re-attach the EA.

TIMEFRAMES

News lines and tags are drawn on timeframes up to **H2**. Above that, one bar holds many events and the drawing would only be noise. Alerts still fire on every timeframe.

Reading the news tags

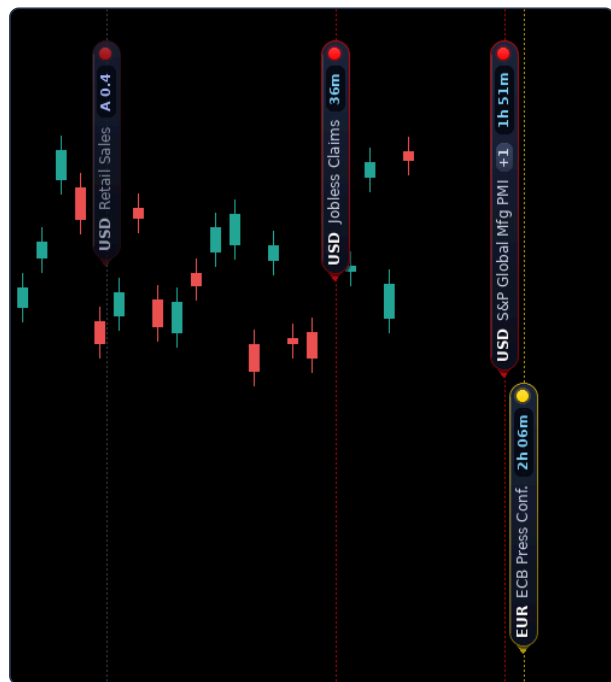


Figure 13.1 — Vertical news tags. One released event (A 0.4), two upcoming, and a later event that dropped below its neighbour.

Each event time gets **one slim vertical tag** hanging from the top of the chart on its line. Read it from the bottom up:

Part	Meaning
USD	Currency (bold). Several are shown as USD/EUR.
Jobless Claims	Short event name
+1	More events at the same minute
36m capsule	Countdown, coloured by urgency
A 0.4	After release: the actual value
Top dot	Impact colour (red high, gold medium)

Countdown colour	Time left
■ Sky	more than 30 min
■ Yellow	5 – 30 min
■ Orange	1 – 5 min
■ Red	last minute / NOW / LIVE

Designed to stay out of the way

- Lines are dim, dotted and drawn **behind the candles**.
- Tags never overlap. A tag that would touch its neighbour drops below it. If there is no room, only the line is drawn.
- Released events fade. Events older than 2 hours keep only a faint line.
- Hover a tag or a line to see the **full details**: date, every event at that time, impact, forecast and actual.

Alerts

`InpNewsAlertMinutes` before each event that passes your filters, CTM Pro shows an MT5 Alert window and a toast, plays a sound, and sends a push notification (when notifications are on). For example: “NEWS in 1m 00s: USD Non-Farm Payrolls | HIGH Impact”. Each event alerts once.

TIP — A SIMPLE NEWS ROUTINE

Set the alert to 5 minutes and the filter to High only. When the alert fires, press **2** (BE+) on trades in profit, or **1** (Close 50%) to reduce size, then let the release pass.

Candle timer, toasts and display

3D candle timer

A compact widget with a progress ring showing the timeframe, the time to the next candle, the current spread and the broker server clock. Its colour shows how much of the candle is left:

Colour	Candle left
 Sky blue	more than 50%
 Emerald	25 – 50%
 Yellow	10 – 25%
 Red, pulsing glow	last 10%

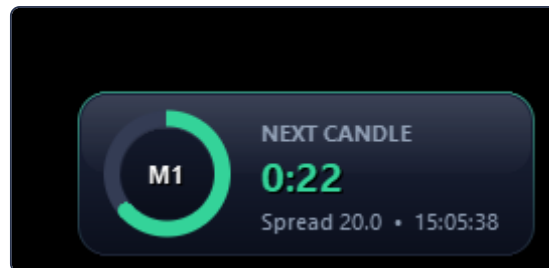


Figure 14.1 — 22 seconds left on M1.

Setting	Default	What it does
EnableCandleTimer	true	Shows the timer
TimerFontSize	12	Size of the countdown (10 – 16 recommended)
TimerPosition	Right lower	Chart corner for the widget

When a bar is overdue (no tick), the timer shows **WAITING TICK**. On a closed market it shows **MARKET CLOSED** instead of a wrong countdown. W1 and MN1 count to the real next week or month open.

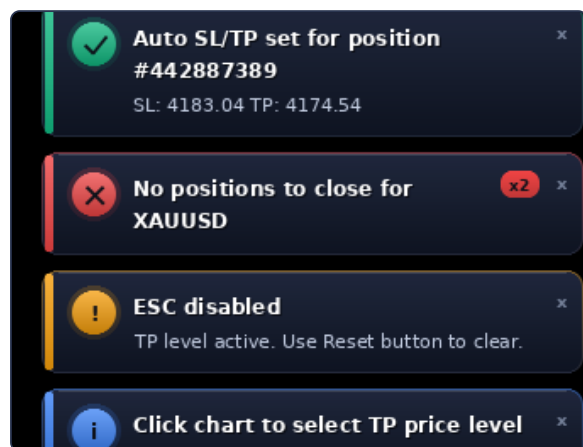


Figure 14.2 — The four toast types.

Smart toasts

Every message from the EA uses one design at the top-right:

- **Green check** success, **red X** error, **amber !** warning, **blue i** info.
- Bold title plus a detail line, word-wrapped.
- Up to 3 stacked, newest on top. A repeated message shows **x2** instead of a new card.
- Auto-hide after 4 s (warnings 5 s, errors 6 s), measured on the real clock even when no ticks arrive. Click a toast to close it.
- They move left automatically when the smart TP / SL keys are on screen.

Placing the panels

Panel	Tip
Candle timer	Choose any corner with <code>TimerPosition</code> . Bottom-right keeps it next to the price scale where your eyes already are.
Dashboard + Magic Keys	Both sit on the left. Collapse the Magic Keys header when you need the space, and the shortcuts still work.
Chart shift	Turn on chart shift (or let price mode do it) so tags and the timer never cover the last candles.
Light chart themes	Panels carry their own dark 3D background and contrast-picked text, so they stay readable on white charts too.

Recommended presets

Most users never change a setting because they do not know where to start. Pick the preset closest to how you trade, test it on a demo for a week, then adjust. Settings not listed keep their default.

Preset A — Forex scalper (EURUSD, GBPUSD, M1 – M5)

Setting	Value	Reason
EnableDrawdownProtection / Max %	true / 3	Scalping can mean many trades. A tight daily cap stops a tilt spiral.
StrictDailyDrawdown	true	Keeps the morning's profit
StopLossInPips / TakeProfitInPips	10 / 15	Every scalp protected the instant it opens
EnableBreakEven / Trigger / Additional	true / 8 / 1	Risk-free early. The buffer covers spread.
EnableTrailingStop	false	Scalps target fixed TP. Use Trail+ by hand on a runner.
EnableKeyboardTrading / Lot	true / your lot	Instant B / S entries
InpNewsEnable / Filter / Minutes	true / High / 5	Scalpers should step aside before red news

Preset B — Intraday gold (XAUUSD 2-digit, M5 – M15)

Setting	Value	Reason
EnableDrawdownProtection / Max %	true / 4	Gold moves fast. The day cap is your seat belt.
StopLossInPips / TakeProfitInPips	500 / 1000	\$5 / \$10 in price, 1:2
EnableBreakEven / Trigger / Additional	true / 500 / 50	Break-even at 1R, with a \$0.50 buffer for spread
EnableTrailingStop / Activation / Distance	true / 800 / 400	Lets gold trends run after 1.6R
EnableMaxLotLimit / Max	true / your cap	Gold's big swings punish over-sizing
InpPTRiskMode / %	% balance / 1	Size every plan from the box

More presets

Preset C — Prop-firm challenge (5% daily, 10% overall rule)

Setting	Value	Reason
EnableDrawdownProtection / Max %	true / 4	One point below the firm's daily rule, as a buffer for slippage and spread
StrictDailyDrawdown	true	The peak-balance model matches how many firms measure daily loss
ClosePendingOrders	true	No pending order can fill after the lock
EnableMaxLotLimit / Max	true / firm limit	Respect the firm's exposure rule automatically
EnableAutoSLTP	true	Many firms require a stop on every trade
InpPTRiskMode / Money	Fixed \$ / 0.5% of account	Same \$ risk on every challenge trade
InpPTCommissionLot	firm's fee	The lot accounts for commission
InpNewsEnable / Filter	true / High	Many firms restrict trading around high-impact news

Preset D — Swing trader (H1 – D1)

Setting	Value	Reason
EnableDrawdownProtection / Max %	true / 6	Wider stops need more daily room
StrictDailyDrawdown	false	Swing positions can be scaled; the net daily result matters more
StopLossInPips / TakeProfitInPips	80 / 0	A safety stop; you manage the exit yourself
EnableBreakEven / Trigger / Additional	true / 100 / 5	Break-even after 1.25R
EnableTrailingStop / Activation / Distance	true / 200 / 100	Rides multi-day trends
EnableAutoClose / Mode	true / Price	Exit the basket at a weekly level you pick on the chart
EnableCandleTimer	false	Not needed on higher timeframes

SAVE YOUR PRESET

In the EA's Inputs tab, click **Save** to store a .set file, and **Load** to apply it on another chart or terminal. Sets from earlier versions load too: ON = true, OFF = false.

NOTE

Values in these presets are written for the symbols named. On other symbols, convert with the pip table in chapter 3 first.

Performance and reliability

A trade manager runs all day, often on a VPS with several charts. CTM Pro 6.28 was audited line by line for wasted work. The table shows what runs and how often.

Task	When	Why it is light
Floating P&L, drawdown check	Every tick	Uses a position cache that is refreshed every 200 ms or after a deal
Today's closed P&L and peak	On a deal, plus every 15 s	Event-driven, so there is no per-tick history scan
Dashboard	Tick + timer	A signature check means zero chart writes when nothing changed
Panels, tags, timer	When their text changes	Canvas repaints only on change. Scrolling just moves them.
Trailing / BE modify	When a step is reached	10% step, stop-level check, 5 s back-off after a rejection
News fetch	On a schedule	At most once per 30 s (MT5) / 120 s (Forex Factory) while waiting for an actual value
Close all	On demand	Background batch, hedges netted with Close By, no Sleep()

Bugs fixed in the 6.28 audit

- A released event without an actual value re-downloaded the calendar **every second**.
- Trailing sent one modify per point of movement, and break-even retried on every tick after a rejection.
- Close loops used Sleep(), which could freeze the chart for a moment during a close-all.
- The confirm click on the smart keys was ignored on a quiet market (the debounce used tick time).
- The close-all \$ lines ignored the hedged side and swap. A \$500 line could really be \$580.
- Close 50% on a press could turn the chart shift off. Chart shift is now restored correctly.
- Old messages never expired on a quiet market. Toasts now use the real clock.

Your own checklist for a smooth terminal

If...	Do this
Many charts on a VPS	Set <code>EnabledDisplay = false</code> and turn the timer off on charts you do not watch
Very fast tick symbols	Keep trailing distances sensible. A tiny distance means more modify requests.
News not needed	Leave news off: no downloads, no lines
MT5 feels slow	Check Toolbox → Experts for repeating errors. Each line points at a cause.

STRATEGY TESTER

CTM Pro manages trades that you or another EA open, so a plain backtest has nothing to manage. In **visual mode** you can open trades with the keys and watch the features act. The tester does not send push notifications or play sounds, and the news calendar is not available there.

Troubleshooting

Symptom	Likely cause	Fix
Trading actions		
Keys and buttons do nothing	Algo Trading is off	Turn on the toolbar button and tick Allow Algo Trading in the EA properties
Number keys do nothing	The chart has no focus, or shortcuts are off	Click the chart once. Check EnableKeyboardShortcuts.
B opened the wrong size	DefaultKeyboardLotSize = 0 uses your last traded lot	Set a fixed lot
"Trading locked" on every action	The daily drawdown limit was hit	Wait for the next server day (the dashboard shows the time). That is the feature working.
SL / TP / BE / Trailing		
Auto SL/TP not added	Position opened before the EA was attached, or a stop-level rejection	Only new trades are handled. Check the Experts journal for the broker's reason and widen the distance.
SL is far too tight or too wide	Pip unit misunderstood	See the pip table in chapter 3. Gold 2-digit: 100 pips = 1.00.
Break-even never triggers	EnableBreakEven = false, or the trigger is larger than the move	Check the dashboard FEATURES row
Trail+ says "no positions eligible"	No trade is yet TrailingDistancePips in profit	Wait, or lower the distance
Targets		
Smart keys not visible	Price mode not selected, or EnableAutoClose = false	Set EnableAutoClose = true and EnableTargetPriceMode = Fixed Price Levels
ESC does not reset levels	A level is locked (by design)	Use the Reset key
Levels reset by themselves	Opposite or hedged trade opened, or direction mismatch	Read the red toast. Price mode needs a one-direction basket.
\$ target did not close on Sunday	Market closed	Auto close resumes on the first tick
Display and news		
No news lines	News off, timeframe above H2, or the filter is too strict	Press 7 . Use M1 – H2. Widen the impact filter.
Forex Factory shows nothing	WebRequest URL not allowed	Chapter 13 setup, then re-attach the EA
News times are off by hours	Forex Factory time zone vs server time	Set InpNewsFFOffset, or switch to the MT5 calendar
Dashboard missing	Hidden with db, or EnableDisplay = false	Click db at the bottom-left
Magic Keys show only a bar	The panel was collapsed	Click the MAGIC KEYS header
Text looks very large or small	Windows display scaling	The EA follows DPI. Adjust InpPTTextSize / TimerFontSize.

Frequently asked questions

Does CTM Pro open trades by itself?

No. It only opens a trade when you press **B**, **S** or Double Lot. Everything else manages trades that already exist.

Will it manage trades from my other EA?

Yes, on the same symbol as the chart CTM Pro is attached to. It works on positions, not magic numbers, so it manages manual trades and other EAs' trades alike.

Do I need one copy per symbol?

For SL/TP, break-even, trailing, Magic Keys and targets: yes, one chart per symbol. Drawdown protection and max lot already cover the whole account from any single copy.

What is the difference between strict and normal drawdown?

Strict trails today's highest closed balance with a \$ limit fixed in the morning. Normal lets today's profit add room. See chapter 5 for the worked example.

Can I unlock trading after the drawdown lock?

Not from the EA. That is the point of a lock. It ends at the next server day. Removing the EA stops the protection completely, which is why the lock is not offered as a button.

Do deposits or withdrawals affect drawdown?

No. Only trading deals count. The peak and the start-of-day base ignore balance operations.

Why is my stop 3.50 away on gold when I typed 350?

On 2-digit gold, 1 CTM pip = 0.01. $350 \times 0.01 = 3.50$. See the pip table in chapter 3.

Does Auto SL/TP change the stop I set myself?

No. It only fills an empty SL or TP, and only once per position.

Are price-mode levels sent to the broker?

No, they are virtual and watched by the EA. Keep a real SL on the server (Auto SL/TP) for protection while MT5 is closed, or use a VPS.

Why did Close 50% close my whole 0.01 trade?

Half of the minimum lot cannot be closed, so the EA closes the trade instead of doing nothing. Larger positions are halved normally.

What does Double Lot do exactly?

It opens one market order equal to the total lots of the side you hold most of. With 0.30 in buys, it buys 0.30 more. Auto SL/TP applies to the new order.

Does the Long / Short box place orders?

Not in 6.28. It calculates lot, risk and reward for you to execute. An order button is planned.

Why is the lot in the box smaller than I expected?

Spread is added to the stop ($\text{InpPTS} \times \text{Spread} \times \text{InRisk}$), commission is included, and the lot is rounded **down** to the broker step. All three keep your real risk at or below your setting.

More questions

Will the box survive a restart?

Yes. The box, the Magic Keys collapsed state, the dashboard collapse and the news on/off choice are all saved.

Why are there no news tags on H4?

Tags are drawn up to H2, where one bar does not hold a whole day of events. Alerts still fire on every timeframe.

Can I get alerts on my phone?

Yes. Enter your MetaQuotes ID in Tools → Options → Notifications. The drawdown lock and news alerts are pushed when EnableNotifications = true.

Does it work on netting accounts?

Yes. On netting accounts each symbol has one position, so Close 50%, break-even and trailing act on that position. Close By netting is only used on hedging accounts.

Does it work on indices, crypto and metals?

Yes, any MT5 symbol. Convert your distances with the pip rule. Indices and 2-digit symbols use pip = point.

Will it slow down my terminal?

It is built to stay light: event-driven work, cached positions, and panels that repaint only on change. Chapter 16 shows the details.

My old .set file has ON / OFF values. Will it load?

Yes. ON loads as true and OFF as false.

Why did a toast say “ESC disabled”?

A price-target level is locked. ESC is blocked so it cannot be cleared by accident. Use the Reset key.

Is there a guarantee of profit?

No. CTM Pro executes your management rules consistently and protects the account against your limits. Results depend on your strategy and market conditions.

Glossary

Term	Meaning in this guide
CTM pip	10 points on 3/5-digit symbols, 1 point on all others
Break-even (BE)	SL moved to the entry price plus a buffer
Trailing stop	SL that follows price at a fixed distance, only in your favour
Peak balance	Today's highest closed balance (strict mode)
Lockout	Trading blocked until the next server day after the DD limit
R / R:R	R = the planned risk of a trade. R:R = reward compared to risk.
Basket	All positions on one symbol, managed together
Virtual level	A level watched by the EA, not stored on the broker server
Stop level	The broker's minimum distance between price and SL / TP
Toast	A short message card at the top-right of the chart

Version history and support

Version	Highlights
6.28	Long / Short position tool with draggable value tags; 3D smart TP/SL keys with a confirm state; price and \$ target tags with exact hedge- and swap-aware prices; Magic Keys panel rebuilt in 3D with a show/hide header and magic-lamp logo; vertical low-noise news tags; 3D candle timer; smart toasts; Close 50% on minimum lot; DPI-aware text; all inputs true/false; performance and reliability audit.
6.27	Strict daily drawdown mode (peak closed balance, default ON); one shared drawdown function for the lockout and the dashboard; lock fires at the limit.
6.25	Dashboard lists only ON features; collapse arrow with an attention badge; Drawdown Guard rows can never be hidden.
6.24	Dashboard rewrite: Drawdown Guard block (room, Lock @ Equity, countdown), Features block, one base for Today Growth %. Trail+ keeps trailing with the input OFF. Tracking survives timeframe changes.
6.23	Free-typed Max DD % (0.10 – 80) with clamping; loss target accepts either sign; large reduction of chart redraws and flicker.

Roadmap

- **Place Order from the position box:** Market / Limit / Stop chosen from entry vs price, using the box lot, with a confirm dialog. Blocked while the DD lock or the Max Lot cap is active.

Getting help

Support is provided through the **product comments** and **MT5 private messages** on mql5.com (author profile: mql5.com/en/users/jawadtrader22). To get a fast answer, include:

- 1 Your CTM Pro version (shown in the dashboard title) and the symbol and timeframe.
- 2 A screenshot of the chart, and of the Inputs tab or your .set file.
- 3 The lines from **Toolbox** → **Experts** around the time of the problem.

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