DRX · SMART RR

The Smart RR Guide

Plan, size, send and manage every trade in MetaTrader 5, with a hard risk guard for prop-firm and personal accounts.



Version 7 · MetaTrader 5 · English

Contents

Welcome 4

GETTING STARTED

What you get 7

Installation and first start 10

Your first trade in ten minutes 13

The window at a glance 16

PLAN AND SEND

The planner 23

R: the one idea behind everything 26

Position size and risk 28

Sending an order 30

Partial targets 33

SMART setup and S/R zones 35

MANAGE

Position tags and menus 38

BE+, risk-free and partial close 40

Automatic management 42

Pending orders 44

Trades page, alarms and result marks 46

The journal 48

PROTECT

The four modes 51

The limits explained 53

The lock 56

Discipline rules 59

Safe mode 62

PROP FIRMS

Running a challenge 65

Pass chance, EV, Kelly and buffer 67

The calendar 69

Funded accounts 71

News 73

REFERENCE

Example setups 76

Settings in the cockpit 78

Look and feel 81

Every input 82
Keys and mouse 87
What the messages mean 90
Troubleshooting and questions 92
Limits of the tool 94
Glossary 96

Welcome

DRX Smart RR is a trade manager for manual traders in MetaTrader 5. You draw the trade on the chart, the tool works out the lots, and one held button sends it with stop and target. After that it helps you manage the position and, if you want, it stops you when you reach your limits.

This guide explains everything you get. It is written for two kinds of reader: the trader who only wants a clean risk-reward tool, and the prop-firm trader who needs a hard guard around a funded account. You do not need to read it all. Chapter 3 gets you to your first planned trade in ten minutes. Everything else is reference, so use the contents page and jump.

What Smart RR does and does not do

Smart RR is an Expert Advisor, because it sends orders and has to watch your account all the time. It does **not** trade on its own. It has no strategy, no signals and no entries. Every trade starts with your hand on the button. The optional automatic parts, such as trailing stops, only manage a position you opened.

> HONEST NOTE No tool can make a bad trade good. Smart RR can make sure a bad day stays a small one. It controls size and damage. Whether your trades make money is still your work.

How the guide is built

- **Part 1, Getting started:** what you get, how to install it, the first start and the window.
- **Part 2, Plan and send:** the planner, position size, sending orders, partial targets, S/R zones.
- **Part 3, Manage:** position tags, BE+, risk-free, partial close, trailing, pending orders, the journal.
- **Part 4, Protect:** the four modes, the limits, the lock, the discipline rules, safe mode.
- **Part 5, Prop firms:** running a challenge, pass chance, calendar, funded accounts, news.
- **Part 6, Reference:** every setting, every input, all keys, every message, troubleshooting, glossary.

Boxes mark what matters: **Key idea** for the core of a topic, **Tip** for a shortcut, **Try it** for a small exercise, **Honest note** for a limit you should know about, and **Warning** for something that can cost you money or close your trades.

> TIP Most buttons explain themselves. Hold the mouse over any button, card or zone for a moment and a short explanation appears. Keep that in mind while you read.

A word on the pictures

Numbers in the screenshots come from a demo account and from test trading. They show how the tool looks, not what it earns. Lot sizes and profits in the pictures are not examples to copy.

Language

The cockpit runs in English and German and follows your terminal language by default. You can change this under **Settings** → **Display** → **Language**. This guide uses the English labels.

PART 1

Getting started

CHAPTER 1

What you get

This chapter is the full list. If you want to know exactly what is inside before you read further, it is all here.

The tool in one sentence

One Expert Advisor for MetaTrader 5 with a planner on the chart, a side panel, position tags, menus and an account guard, in one single file. There is nothing else to install, no DLL, no web address to allow and no external service.

Planning a trade

Feature	What it gives you
Visual planner	A box on the chart with entry, stop and target, placed in the free space right of the last candle. It never covers the price and never slides under the panel.
Money on every line	Each card shows the money at the stop, the money at the target, the lots, the reward:risk and the expectancy of the plan.
Automatic lot size	Lots are calculated from your risk and your stop, using the real tick value of the symbol.
Five risk bases	Percent of start capital, equity or balance, a fixed amount of money, or fixed lots.
Type or drag	Drag any line, or double-click a card and type pips or a price.
1R, 2R, 3R	One click sets the target to a multiple of your risk.
SMART setup	One click puts the stop behind the nearest zone and the target at the next one.
Partial targets	Up to three targets, each its own position with its own take profit at the broker.
Scalp and swing	Two profiles with their own risk and reward:risk, and optional presets for targets, BE and trailing.
Mini planner	Lines and short labels only, details on hover.

Sending orders

Feature	What it gives you
Hold to send	BUY and SELL are held for a moment, not clicked, so a slip of the mouse sends nothing.
Market and pending	Stop and limit orders follow from where the entry sits.
Right-click orders	Right click at a price to plan a limit or stop order there.
Number keys	Keys 1 to 0 for all main actions, with a second press for the risky ones.
Quick bar	BUY, SELL, CLOSE and FLIP at the bottom of the chart, also in focus mode.
Checks before sending	Limits, plan, margin, broker stop level. If something blocks you, the reason is on screen.
Expectancy warning	If the plan cannot pay at your win rate, you are asked once more.

Managing a position

Feature	What it gives you
Position tags	A tag on the chart at each entry with lots and live profit. Click it for the menu.
BE+	Stop to entry plus real costs, so the trade cannot cost money.
Risk-free	Closes exactly enough that the rest can no longer lose money at its stop.
Partial close and reduce	Your partial percentage, 25 / 50 / 75 %, or a typed lot size.
Close winners or losers	One click for each, on this symbol or per side.
Reverse	Closes and opens the other way.
Trailing stop	Five methods: ATR, points, bar high or low, fractal, EMA.
Auto BE+ and auto partial	At a chosen R, once per position.
OCO	A filled pending order deletes the other pending orders of the symbol.
Pending order tags	Tag per order with delete, execute at market and new price.
Price alarms	Dashed lines that alert you once, with push to your phone if enabled in MT5.

Protecting the account

Feature	What it gives you
Four modes	Challenge, Funded, Personal and Free.
Rule profiles	Templates for common account rules, or your own values.
Max drawdown	Fixed, trailing, or trailing until the start.
Daily loss	Counted from balance, equity or the higher one, with your own reset hour.
Emergency brake	An earlier lock in front of the max drawdown.
Hard lock	Closes everything, and closes anything new, on the whole account. It survives restarts.
Stricter only	Once started, the limits can only be tightened from inside the tool.
Max open risk	Sum of the stop losses of all positions.
Discipline	Trades per day, day stop, break after losses, trading hours, spread block, max lots.
News lock	Uses the economic calendar built into MT5.
Safe mode	One loss can only cost a share of what is left today.
Phone protection	Trades from your phone get a stop, and lots above your maximum are cut.
Time and goals	Close at a time, close on Friday, day goal, close at the challenge target.

Prop-firm numbers

Feature	What it gives you
Pass chance	A Monte Carlo estimate from your real trades and your current account state.

Feature	What it gives you
Target progress	Money still needed, percent done, trading days.
EV, Kelly, buffer	Expectancy in R, half Kelly, and how many losers you can still take.
P/L calendar	Every day as a colored cell, with statistics.
Consistency	Best day as a share of total profit.
Pass card	Tells you when the target and the minimum days are reached.

On the chart and around it

Feature	What it gives you
Support and resistance zones	From H1, H4 and D1, scored 0 to 100 %. The tooltip tells you why a zone exists.
Key levels	Previous day and week high and low, and the day open.
Snap	Planner lines snap to zones.
Sessions	Asia, London and New York as boxes on the chart.
Result marks	R and money at the exit of every closed trade.
Top strip	State, today, equity, next news, account type, candle timer, server time.
Journal	A CSV line and a screenshot for every open, close and lock.
Focus mode	Chart only, with a small status card.
Four themes	DRX, Light, Graphite and Midnight.
Sound sets	Calm, classic or alerts only, with a listen button.
Settings in the chart	Nearly everything can be changed without opening the input window.
DRX DrawPad	Works next to it. The tool makes room when the DrawPad toolbar is docked.
English and German	Follows your terminal language.

What you do not get

> HONEST NOTE Smart RR is for **MetaTrader 5 only**. There is no signal, no strategy and no auto-trading. It does not read your prop firm's rules by itself, and the guard runs only while your MT5 runs. Chapter 34 lists all limits in one place.

CHAPTER 2

Installation and first start

What you need

- MetaTrader 5 on Windows, or on a Windows VPS you control.
- An account with any broker. Hedging accounts get every feature. Netting accounts work too, but partial targets need hedging (see chapter 9).
- A screen of about 1400 pixels width or more is comfortable, because the panel takes space on the right.

Install from the Market

1. In MetaTrader 5 open **Toolbox** → **Market** → **Purchased** and click **Install**. The tool appears in the Navigator under **Expert Advisors** → **Market**.
2. In the toolbar, turn on **Algo Trading**. The button must show a green symbol. Without it, no order can be sent and the guard cannot close anything.
3. Open a chart of the symbol you trade.
4. Drag **DRX Smart RR** from the Navigator onto the chart.
5. In the window that opens, go to **Common** and tick **Allow Algo Trading**. Then click **OK**.

The first time, you do not need to change any input. All of it can be set later inside the cockpit.

> WARNING If Algo Trading is off in the toolbar, Smart RR can display a lock, but it cannot close positions. Keep it on whenever you rely on the guard.

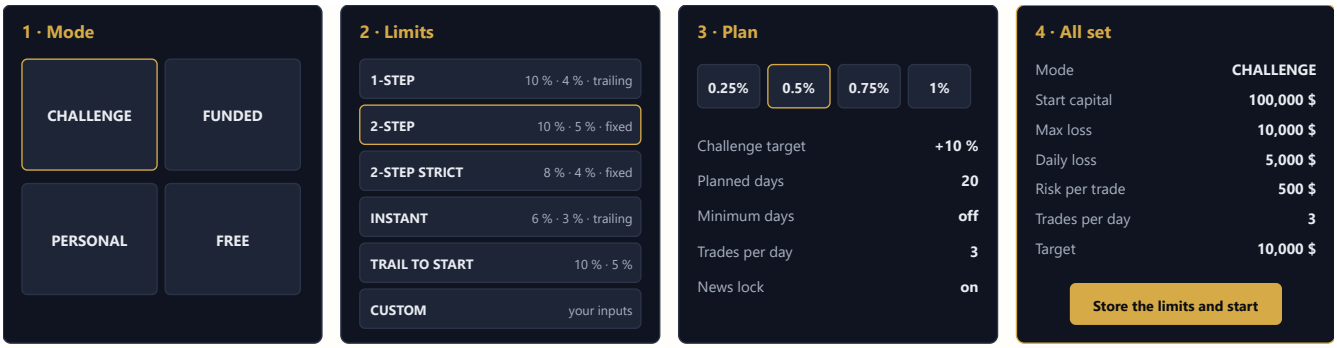
What happens to your chart

When you attach the tool, a few chart settings change. All of them come back when you remove it.

- **Candle colors** switch to the DRX look. Turn this off with the input `DRX candle colours`.
- **Chart shift** makes free space right of the last candle for the planner. Turn this off with the input `Free space right of the last candle`.
- **The right-click menu** becomes the Smart RR menu. The last entry, **MT5 menu**, gives you the normal one on the next right click.
- **Number keys** become hotkeys, so MT5's quick navigation on these keys is off while the tool runs.

The first-start assistant

On the first start on an account, an assistant opens in the middle of the chart. You cannot trade from the cockpit until you finish it, because the guard must know your limits first.



> The four steps of the first-start assistant. Step 2 and 3 change with the mode you choose. This is a drawing of the steps; your screen shows the same labels.

Step 1: What do you use the cockpit for? Pick one of four modes.

Mode	For	In short
Challenge	Prop firm evaluation	Target first, hard limits
Funded	Prop firm funded account	Payout first, hard limits
Personal	Your own account	Own limits, only stricter
Free	Only the trade tool	Hints and statistics, nothing locks

Step 2: Your limits. In Challenge and Funded you pick a rule profile. In Personal and Free you set the daily loss, the max drawdown, the open risk, the trades per day and the losses in a row.

Profile	Max drawdown	Daily loss	Drawdown type
1-Step	10 %	4 %	Trailing
2-Step	10 %	5 %	Fixed
2-Step strict	8 %	4 %	Fixed
Instant	6 %	3 %	Trailing
Trail to start	10 %	5 %	Trailing until start
Custom	your input	your input	your input

> WARNING Profiles are templates, not the rules of a specific company. Read your provider's rules and compare them. If yours differ, use **Custom** with the exact numbers, and see chapter 18 for how each number is counted.

Step 3: Your plan. Choose your risk per trade with the chips. Each chip shows the money it means. Then set what fits the mode: the challenge target, planned days, minimum days, trades per day and the news lock in Challenge; payout target, trades per day, losses in a row and news lock in Funded; break length, day stop and news lock in Personal and Free.

Step 4: All set. You see a summary in money: start capital, max loss in total, daily loss, risk per trade, trades per day and the target. Read it. These are the numbers the guard will enforce. Click **Store the limits and start**.

> KEY IDEA After this click, in Challenge, Funded and Personal, the limits can only get stricter from inside the tool. That is on purpose. It is the difference between a rule and a good intention. Chapter 19 explains the only ways to reset them.

Start capital

The guard measures from a start capital. If you leave the input `Start capital for the limits` at 0, it takes your **equity at the very first start on this account**. This is why an old floating loss does not trigger a lock the moment you attach the tool.

If you attach the tool to a challenge that already runs, enter the original account size in that input, for example 100000, so the percentages match your provider's.

Several charts

You can run Smart RR on several charts, for example one per symbol. Planner, panel layout and display settings belong to the chart. Limits and the lock belong to the account and the magic number.

> HONEST NOTE A change made in the settings of one chart reaches another chart when that one restarts. Each running chart also writes its own journal line. For the guard alone, one chart is enough, because it watches the whole account.

Remove the tool

Right click the chart, choose **Expert list** or press the X in the top-right corner of the chart next to the EA name, and remove it. Your chart colors, chart shift, right-click menu and keys come back. Your limits and lock stay stored for this account.

> WARNING Removing the tool also removes the guard. A prop firm will not stop you. If you need the lock to hold, leave the tool on the chart and MT5 running.

Updating

Install updates from **Market** → **Purchased**. Your stored limits, lock state and settings remain, because they live in the terminal and not in the program file.

CHAPTER 3

Your first trade in ten minutes

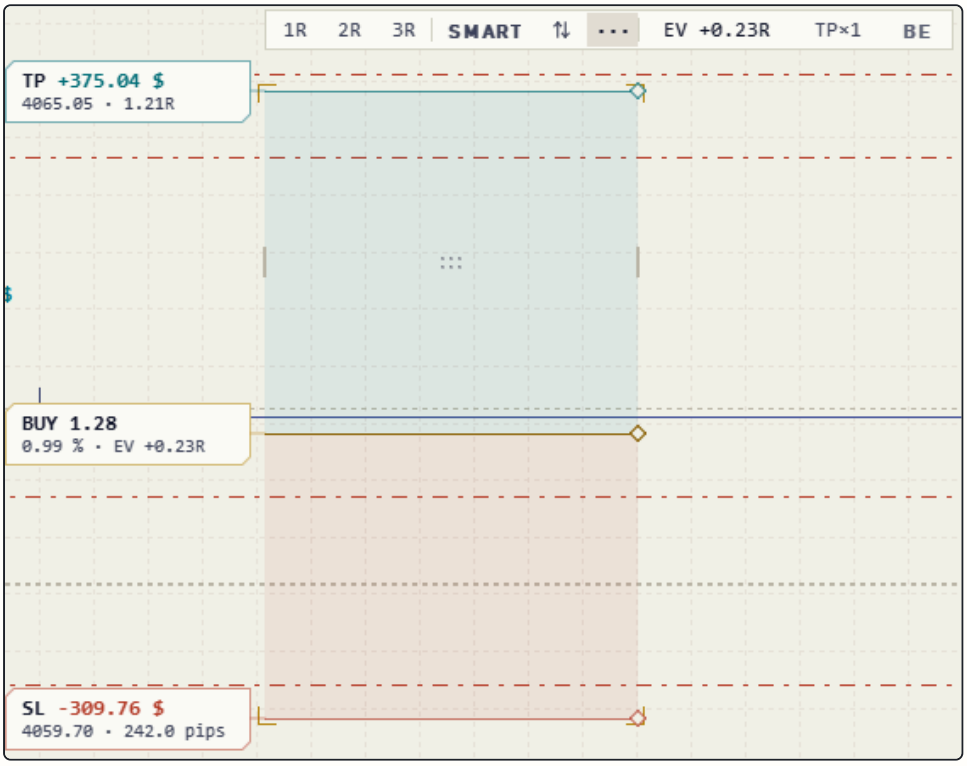
Do this on a demo account. It teaches the whole routine.

1. Set up for practice

Attach Smart RR to a liquid symbol, for example XAUUSD or EURUSD, on M5 or M15. In the assistant choose **Personal**, keep the suggested limits, choose **0.5** % and finish.

2. Find the planner

Right of the last candle you see a box with three lines and three cards: the green **TP**, the gold entry and the red **SL**.



The planner on a chart. Top: the target card with money and R. Middle: side, lots, risk and expectancy. Bottom: the stop card with money and distance. The bar above it holds 1R, 2R, 3R, SMART and the flip button.

3. Move the stop

Point at the red line or its card, hold the left mouse button and drag. Put the stop where your idea is wrong, not where the loss feels small. Watch the lots change while you drag: **the money at risk stays the same, the lots adapt**.

4. Set the target

Click **2R** in the bar. The target jumps to two times your risk. Now the card shows what you win at the target.

5. Choose the side

Click the small flip arrows in the bar to turn the plan from long to short. You do not have to do this before sending: if you hold SELL on a long plan, the plan flips first. What you see is what you trade.

6. Send it

In the panel on the right, press **BUY** and hold for less than half a second. The button fills up, then the order goes out. If you let go early, nothing happens.

> KEY IDEA BUY and SELL are held, not clicked. This one habit prevents most accidental orders.

7. Look at the tag

A tag appears on the chart at your entry with the side, the lots and the live profit. The panel gets a position card. That is your trade.



Position tags on the chart. Green for buys, red for sells, with lots and live profit. Click one to open its menu.

8. Manage it

Click the tag. A menu opens, and the planner now shows this position. Drag the red line to move the real stop. When you let go, the change is sent to the broker. Press `Esc` to let go of the position.

9. Close it

Click the tag and choose **Close**, or click **CLOSE** in the panel. A small mark appears at the exit with the result in R and money.

10. See what was recorded

Open **Trades** and **Calendar** at the bottom of the panel. The calendar shows today's result. Your journal has a new line and a screenshot.

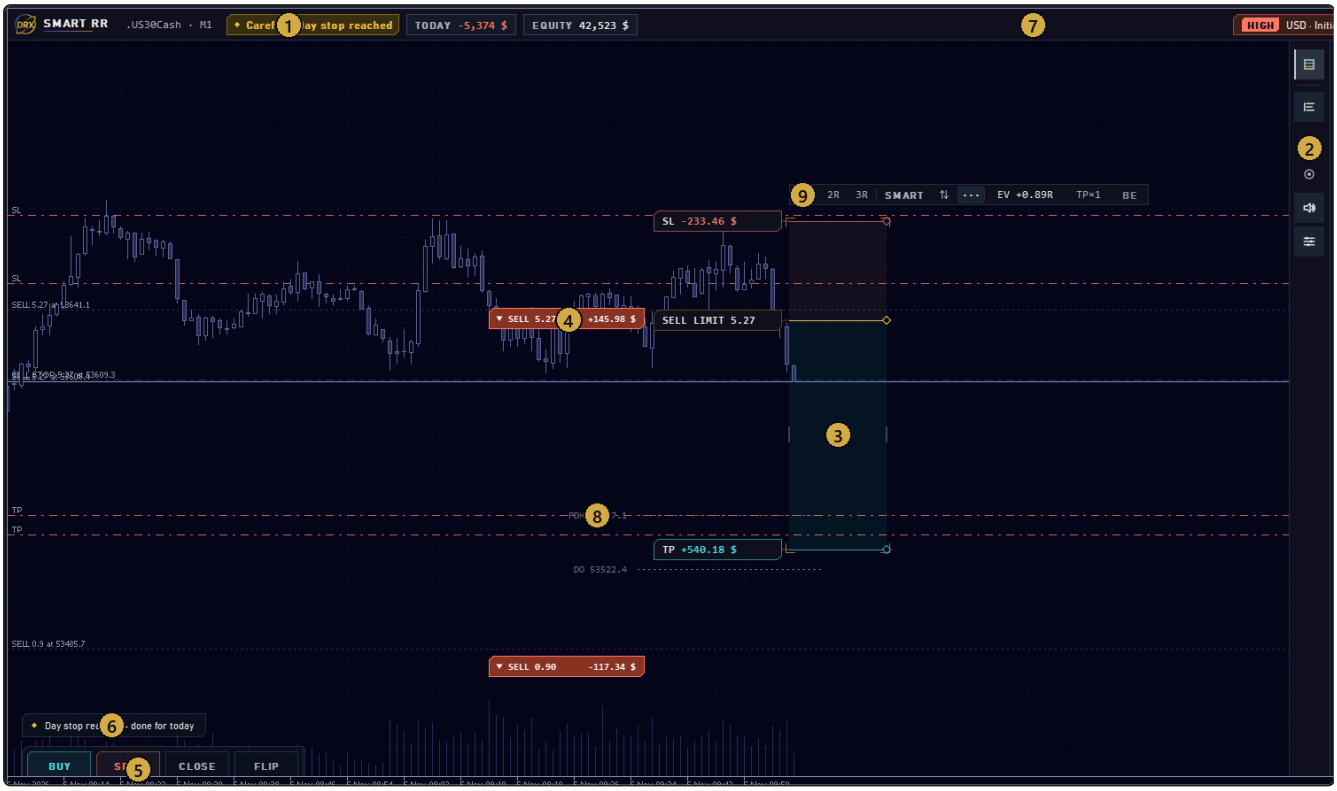
> **TRY IT** Do the routine five times on demo. Then try the same with the keys: press `1` twice for BUY, and `3` twice to close. Chapter 31 has all keys.

What to learn next

- For correct position size, read chapter 7.
- For prop firms, read chapters 17 to 19 before you trade real money.
- If you only want the tool without limits, read the Free mode section in chapter 17.

CHAPTER 4

The window at a glance



The chart area. The numbers are explained in the table. The panel on the right has its own picture below.

	Area	What it is
1	**State chip**	One word for the state of the account. Part of the top strip.
2	**Rail**	Six buttons for the planner and the display.
3	**Planner**	Your next trade: lines, cards and the zone between them.
4	**Position tag**	An open position with lots and live profit.
5	**Quick bar**	BUY, SELL, CLOSE, FLIP.
6	**Message line**	One short message at a time, bottom left above the quick bar.
7	**News chip**	The next important event.
8	**Key level**	A level such as the previous day high (PDH).
9	**Planner bar**	1R, 2R, 3R, SMART, flip, and more behind the dots.

The top strip



The top strip: logo, symbol and timeframe, state chip, today, equity, next news, account type, candle timer and server time.

From left to right:

- **Symbol and timeframe.**
- **State chip.** See the table below.
- **TODAY.** Money won or lost since the start of the trading day, including open positions.
- **EQUITY.** Your account equity now.
- **News chip.** Only when something is close: high-impact events show up to 24 hours ahead in coral, medium-impact events up to 4 hours ahead in gold. It shows the time left, then **LOCK** while the news lock runs (**NOW** in Free mode).
- **Account type.** DEMO, REAL or CONTEST. REAL is red, so you always know where you are.
- **Candle timer and server time.**

State	Meaning
On track	Everything is fine.
Careful	75 % of a limit is used, or the day stop is reached.
Break	A cooldown runs.
Paused	Something blocks new trades for now: trade limit, news, spread, trading hours or day goal.
Locked	A hard limit was reached.
Not set up	The assistant is not finished.
Free mode	Nothing locks.

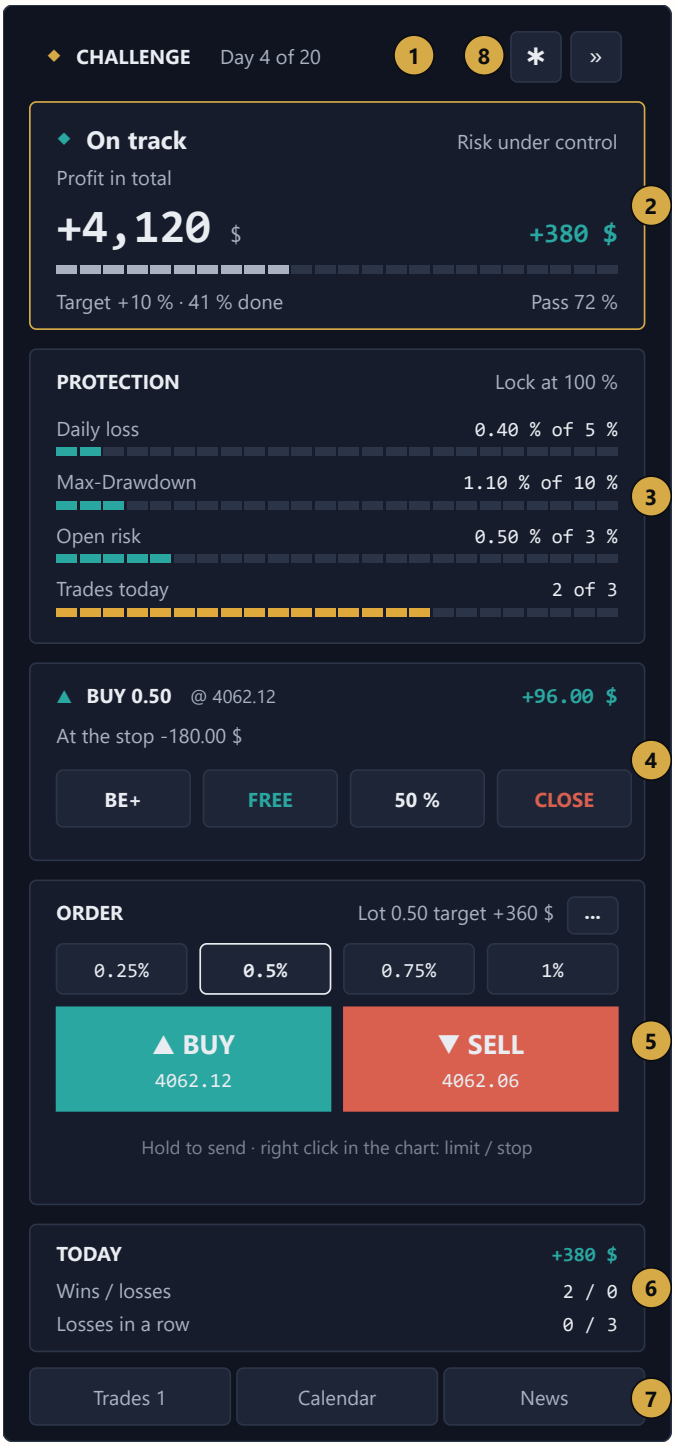
The rail



> The rail, from top to bottom: planner, compact cards, scalp and swing, focus, sounds, zones.

Button	What it does
Planner	Shows or hides the planner. Hidden, orders use the last plan. Key `9`.
Compact cards	Cards with one line instead of two.
Scalp / swing	Changes risk, reward:risk and, if presets are on, more (chapter 13).
Focus	Chart only. Key `0`.
Sounds	On or off.
Zones	Support and resistance zones on or off.

The panel



The panel from top to bottom. This is a drawing with example numbers. The numbers in gold are explained in the table.

	Block	What it shows
1	**Mode line**	Mode, and the day of the period or the note for the mode.
2	**Hero card**	State, total profit, today, progress to the target, pass chance. In Personal and Free: win rate and trades.
3	**Protection**	Daily loss, max drawdown, open risk, trades today. Called **Hints** in Free mode.

	Block	What it shows
4	**Position card**	Only with open positions of this symbol: side, lots, profit, what happens at the stop, and BE+, FREE, partial, CLOSE.
5	**Order**	Lots, target, risk chips, BUY and SELL. The dots open the order menu.
6	**Today**	Wins and losses, losses in a row, win rate of the period, next news.
7	**Pages**	Trades, Calendar, News. A page replaces the blocks above until you close it.
8	**Gear and fold**	The gear opens the settings. The arrows fold the panel.

When the chart is short, the panel gets denser and shows fewer optional rows, so that BUY and SELL always stay on screen.

> TIP The colors carry meaning, and only there. Cyan is long or positive. Coral is short, negative or locked. Gold is a warning or something selected. Everything else stays neutral, so that the color you see matters.

Folded panel and focus mode

Click the fold arrows or press `-` to fold the panel to a thin strip. The chart does not move. The strip keeps today's result, a small meter, BUY, SELL and a close button. **Hold** still applies.



The folded panel: today's result, BUY, SELL and close.

Focus mode (`0` or the rail button) hides the panel and the rail. A small card stays with the state, today's result, and the drawdown, day and trades numbers. The quick bar stays too. Click **COCKPIT** on the card to come back.

Moving and zooming

The chart works like any MT5 chart: drag it, zoom it, change the timeframe. The planner stays at real prices, and it stays right of the last candle. While the mouse is over the panel or the planner, the chart does not scroll, so that dragging a line never drags the chart.

PART 2

Plan and send

CHAPTER 5

The planner

The planner is your next trade before it exists. It sits in screen space right of the last candle, so it does not cover the candles, and it cannot slide under the panel. Its three lines are real prices, so they follow the chart when you zoom or scroll up and down.

The parts

- **Target line and card** (cyan). Money at the target, the price and the reward:risk.
- **Entry line and card** (gold). Side and lots, the risk in percent and the expectancy.
- **Stop line and card** (coral). Money at the stop, the price and the distance in pips.
- **The box.** The zones between the lines, with corner marks and a grip in the middle.
- **The bar.** 1R, 2R, 3R, SMART, flip, and the dots for more.

What you can do with the mouse

Action	Result
Drag the **target** line or card	Moves the target. Snaps to S/R zones.
Drag the **stop** line or card	Moves the stop. Lots adapt. Snaps to S/R zones.
Drag the **entry** line or card	Moves the whole plan and turns it into a **pending** order.
Drag the **box**	Sideways. For pending plans also up and down.
Drag the **left or right edge**	Changes the width.
Double-click a card	A field opens: type the value.

Typing values

Double-click a card, type, press `Enter`. `Esc` cancels.

- **Target or stop:** type pips or a price. The tool tells them apart by size: `13.6` means pips, `4040.5` means a price.
- **Entry:** type a price. A typed entry always makes the plan a pending order. Stop and target move along by the same distance.

A comma works as well as a point.

What the cards tell you

The entry card can show more than the risk:

Text	Meaning
0.50 % · EV +0.23R	Your actual risk, and the expectancy of this plan.

Text	Meaning
SAFE	Safe mode has cut your size (chapter 21).
Min lot!	The smallest lot risks more than you asked. The percent shown is the real one.
Safe mode: no buffer left	There is no room left today.
Price beyond the stop	The plan is invalid. The market has passed your stop, or stop and target are on the wrong side.

The planner bar



The planner bar with the extra cells open: 1R, 2R, 3R, SMART, flip, dots, EV, TP count and BE.

Cell	What it does
1R, 2R, 3R	Target = 1, 2 or 3 times the risk.
SMART	Stop behind the nearest zone, target at the next (chapter 10).
Flip arrows	Long becomes short, with stop and target mirrored at the entry.
···	Shows or hides the next three cells.
EV	Expectancy of this plan. Click for the break-even reward:risk.
TP×	Number of targets. Click to change: 1, 2, 3 (chapter 9).
BE	After TP1, the rest goes to BE+. Needs 2 or 3 targets.

Market or pending

The plan has two states.

Market. The entry line follows the live price. Stop and target stay where you put them, so risk distance, lots and reward:risk change with every tick. The box only moves sideways.

Pending. The entry stays at your price. The side text tells you the order type, which follows from where the entry is:

Plan	Entry above the price	Entry below the price
Long	BUY STOP	BUY LIMIT
Short	SELL LIMIT	SELL STOP

Switch with key `8`, in the order menu (the dots in the Order block), by dragging the entry, by typing an entry, or by right clicking in the chart.

> TIP BUY and SELL buttons show the real order text, for example BUY STOP or SELL LIMIT, with the price. Read the button before you hold it.

Size of the planner

- **Compact cards:** rail button, one line per card.
- **Mini planner: Settings → Display → Mini planner**. Only lines and short labels. Hover and the zones and the bar appear. Good for scalpers with small screens.
- **Width:** drag an edge, or set the default with the input `Planner width`.
- **Hidden:** rail button or key `9`. BUY and SELL still use the last plan.

The planner remembers its position, prices and width per chart. If the prices are no longer plausible, for example after a large move, it starts fresh.

Where a new plan starts

A new plan is a long market plan with the stop at **1.5 × ATR(14)** from the price and the target at the reward:risk of your mode. The ATR comes from the chart timeframe. In **swing** mode on charts below H1 it comes from H1, so that the stop fits a swing trade. Set the factor with **Settings → Order → Start stop (x ATR)**.

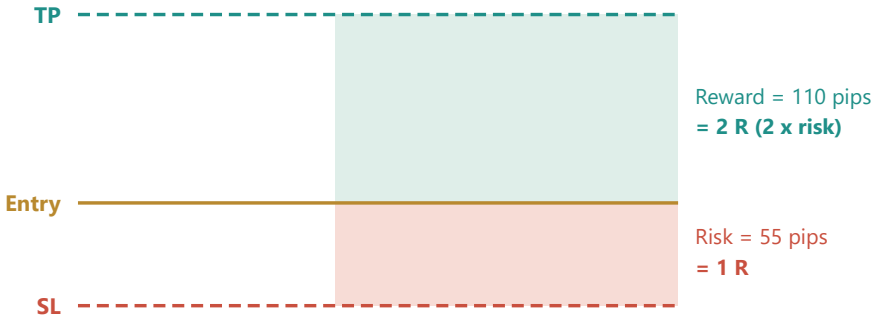
Watching an open position

Click a position tag. The planner now shows that position with its real lines. Drag stop or target, and at the moment you release, the change is sent to the broker. A message confirms the new values. Press `Esc` to return to your plan. Chapter 11 has the details.

CHAPTER 6

R: the one idea behind everything

Before position size, one word: **R**.



1R is what one normal loss costs. Everything in Smart RR is measured against it.

> 1R is the distance from entry to stop, in money. A target at twice that distance is a 2R target.

1R is what you lose if the stop is hit. It is your risk on this trade. A trade that wins twice that is **+2R**. A trade that hits the stop is **-1R**. A trade you close at half the stop distance in profit is **+0.5R**.

R makes trades comparable. A win of 300 $ means nothing without the risk. On a 100 $ risk it is 3R, on a 600 $ risk it is 0.5R.

Smart RR uses R everywhere: reward:risk on the cards, 1R to 3R in the bar, trailing "from 1R", auto BE "at 1R", and the marks at your exits.

Reward:risk and win rate

A plan only pays if reward:risk and win rate fit together. The break-even reward:risk at a given win rate is:

`break-even R = (1 - win rate) / win rate`

Win rate	You need at least
30 %	2.33 R
40 %	1.50 R
50 %	1.00 R
60 %	0.67 R

Expectancy (EV)

Expectancy is what one trade earns on average, in R:

`EV = win rate × reward:risk - (1 - win rate)`

At a 50 % win rate and 1.5R the EV is 0.5 × 1.5 - 0.5 = **+0.25R**. With a risk of 500 $, that is 125 $ per trade on average, over many trades.

Smart RR shows the EV of the current plan on the entry card and in the bar. It uses your **real statistics** once you have at least 10 closed trades, otherwise the input `Your win rate`. With several targets it uses the average reward:risk over all targets.

> HONEST NOTE EV is only as good as the win rate behind it. Your statistics come from your last 200 closed trades within 120 days, of all setups. A new setup may behave differently.

The expectancy warning

If the EV of your plan is negative, the first hold of BUY or SELL does not send. A message says what you need and what the plan has, for example "needs 1.13R, plan has 0.80R". Hold again within four seconds to trade anyway. This also works in Free mode. It is a question, not a block.

CHAPTER 7

Position size and risk

This is the core of the tool: you decide what a loss may cost, and the lots follow.

How the lots are calculated

`lots = risk money / (stop distance in ticks × value of one tick per lot)`

The tool reads tick size and tick value from your broker, for the correct side, and converts them into your account currency. The result is rounded **down** to the lot step, so that you never risk more than you asked. Gold, indices, forex and crypto all work the same way, with no contract size to enter.

> TIP "Pips" in the stop card means ordinary pips on forex. On other symbols, the distance follows the symbol's own point size.

Example. Account 100,000 $. Risk 0.5 % of start capital = 500 $. EURUSD with a 25-pip stop. One pip on one lot is about 10 $. So 500 / (25 × 10) = **2.00 lots**. Move the stop to 50 pips, and the same 500 $ means **1.00 lot**.

The five risk bases

Click the dots in the Order block, or go to **Settings** → **Order** → **Risk base**.

Base	One chip means	Best for
% of start capital	The same money every time	Prop firms. They count limits on the start capital.
% of equity	Grows and shrinks with the account now	Compounding on your own account.
% of balance	Like equity, without open profit or loss	Own account, calmer than equity.
Fixed money	A fixed amount per trade	Traders who think in money.
Fixed lots	A fixed lot size, no calculation	Traders with a fixed routine. The risk then follows from the stop.

The default is **% of start capital**. With fixed money or fixed lots, the chips turn into a value with a minus and a plus button.

> KEY IDEA Prop firms measure drawdown on the start capital. If you risk a percent of equity, you risk less money after losses, but your daily limit stays the same. With the start capital, the arithmetic of your limits stays simple: 0.5 % is always 500 $ on a 100,000 $ account.

Risk chips

The chips in the Order block are your quick sizes. By default 0.25, 0.5, 0.75 and 1 %. Set your own with the input `Risk chips`, for example `0.1,0.25,0.5`.

Scalp and swing each have their own default risk (0.5 % and 0.75 %) and reward:risk (1.5 and 2.5). Switching the mode sets these.

What can reduce your lots

Your chip is a wish. Three things can lower it, and the entry card tells you when they do:

1. **Safe mode** cuts the lots so one loss fits today's room (chapter 21).
2. **Max lots per trade** caps the size (chapter 20).
3. **The lot step.** Rounding down means your real risk can be a little under the chip.

When the smallest lot is too big

If your stop is so wide that the minimum lot risks more than you want, the tool still uses the minimum lot, and the card shows **Min lot!** with the real percentage. In a guarded mode with safe mode on, the order is refused with a clear message, unless safe mode allows that amount. The fix is a tighter stop, a smaller symbol or a bigger account, not ignoring it.

How much should I risk?

This guide cannot tell you what to risk, but it can show you the arithmetic. On a 10 % max drawdown:

Risk per trade	Losers in a row until the limit
2 %	5
1 %	10
0.5 %	20
0.25 %	40

A run of 8 losers in a row is normal for a 50 % strategy over a few hundred trades. Look at the table again with that in mind. The panel shows this same number live as **BUFFER** on the Calendar page.

> WARNING Spreads, slippage and gaps can make a loss larger than 1R. The stop is an order, not a guarantee. Leave a margin to your limits, and do not plan to use them fully.

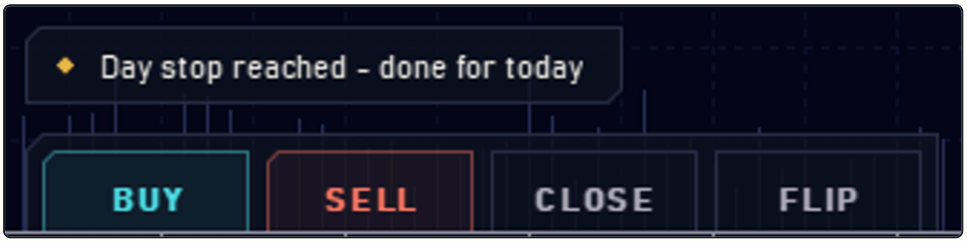
CHAPTER 8

Sending an order

Hold to send

Press BUY or SELL and keep the button down. It fills up over 0.4 seconds, then the order goes out. If you let go early or leave the button, nothing is sent.

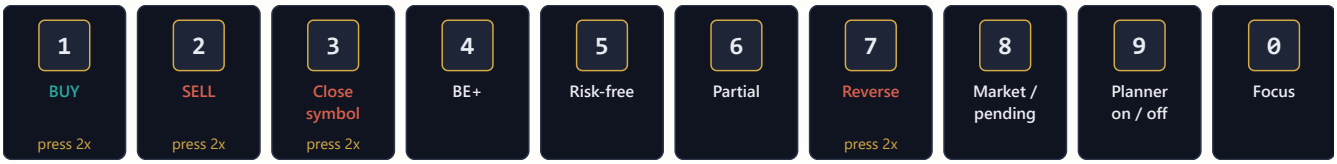
There are three places with BUY and SELL: the **Order block**, the **quick bar** at the bottom of the chart, and the **folded panel**. All three work the same.



The quick bar: BUY, SELL, CLOSE, FLIP. Above it, the message line.

With the keyboard

Press `1` for BUY or `2` for SELL. The first press only arms it, and a message asks you to press again. The second press within 1.2 seconds sends. The same is true for `3` (close the symbol) and `7` (reverse).



The number keys. Keys with "press 2x" need a second press within 1.2 seconds.

Both the main number row and the numeric keypad work. Keys do nothing while you hold `Ctrl` or `Alt`, so MT5's own shortcuts stay free. Turn them off under **Settings → Display → Number keys**.

What is checked before an order leaves

In this order. The first one that fails stops the order, and you see why.

Check	Message	Free mode
Lock, break, hours, day goal, day stop, trade limit, news, spread	**Blocked:** and the reason	not checked
Stop and target on the right side	**Plan invalid**	checked
Safe mode has room	**Safe mode: no buffer left today**	not checked
Lots above 0	**Lot size is 0**	checked
Min lot fits safe mode	**Min lot risks ...**	not checked
Open risk stays under the limit	**Open risk would exceed ...**	not checked

Check	Message	Free mode
Margin level stays above the minimum	**Margin level would drop below ...**	not checked
Distance to the broker's stop level	**Stop or target too close**	checked
EV of the plan is positive	**Negative expectancy ...** (asks once)	asked

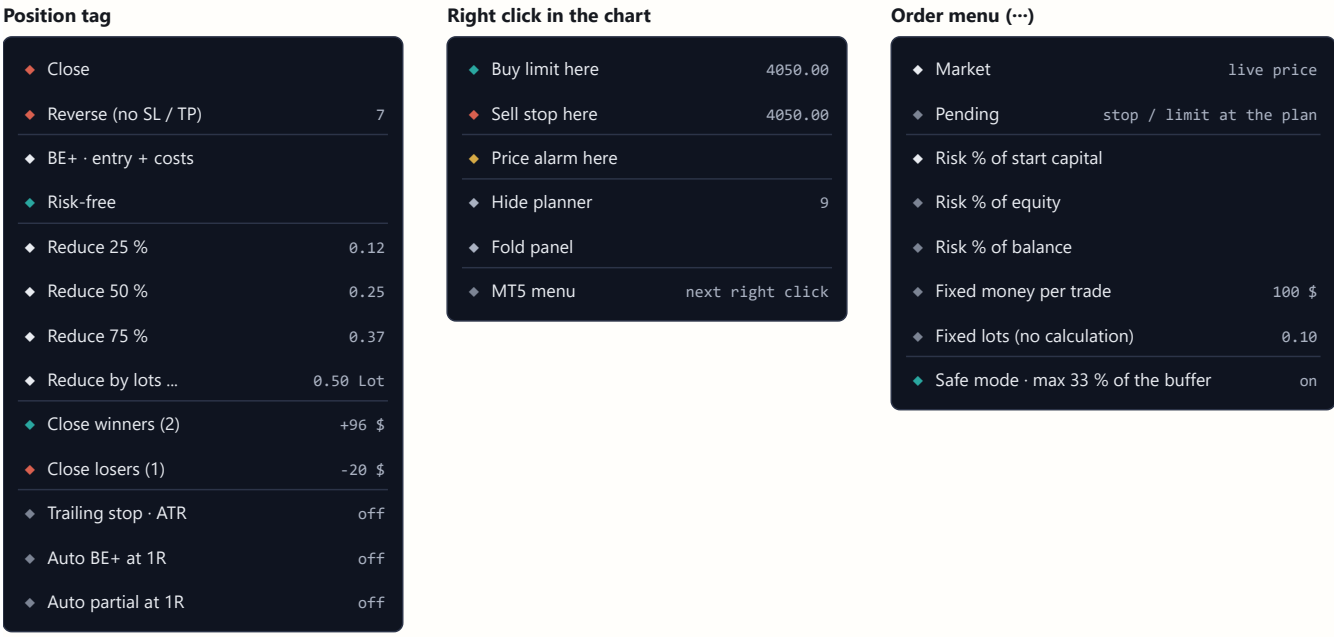
When the guard blocks you, BUY and SELL look dim, and the line under them gives the reason. Press a blocked button anyway, and the message tells you exactly what stops you.

After sending

The message line shows the side, lots, money at the stop and money at the target. If a split trade could not place all its targets, it says how many it placed and why. A sound confirms it. To prevent double orders, a second order cannot leave within 0.8 seconds of the first.

Pending orders from the chart

Right click at a price in the chart.



> The three menus of Smart RR: the position menu, the right-click menu and the order menu. Drawing with example values.

Choose **Buy limit here** or **Sell stop here**. The labels follow the price: below the market you get buy limit and sell stop, above it buy stop and sell limit. The plan moves to that price and keeps its stop and target distances.

> KEY IDEA The right-click menu does not send anything. It only plans. You still hold BUY or SELL to send. Chapter 14 covers managing pending orders.

Flip and reverse

Two words, two things:

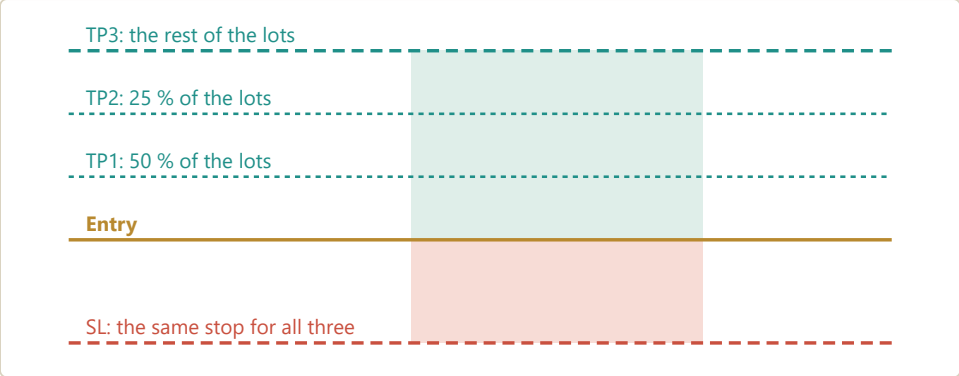
- **Flip in the planner bar** only turns your plan around. Nothing is sent.
- **FLIP in the quick bar**, key `7`, or **Reverse** in the position menu acts on real positions. It closes your positions on the symbol and opens the net lots the other way **without stop or target**. Set them right away in the chart.

> WARNING A reversed position has no stop until you give it one. In a guarded mode it is blocked when the guard blocks new trades. The panel warns about positions without a stop.

CHAPTER 9

Partial targets

Instead of one take profit you can use two or three. Each target becomes **its own position with its own take profit at the broker**. So targets work even when MT5 is closed.



Three targets. By default they sit at one third and two thirds of the way, and at the full target. Shares: 50, 25 and the rest.

Set the targets

Open the dots in the planner bar and click **TP×** until it shows the number you want. Or use **Settings** → **Order** → **Targets**, or the input `Targets`.

Targets	Default position	Default share of the lots
2	TP1 at 50 % of the way, TP2 at the target	50 % and the rest
3	TP1 at 1/3, TP2 at 2/3, TP3 at the target	50 %, 25 % and the rest

Drag the small partial lines to move TP1 and TP2. They snap to zones as well. Change the shares with the inputs `2 targets: % of the lots at TP1` and `3 targets: % at TP1, % at TP2`.

The target card and the EV now use the **average** over all targets, weighted by lots.

Too few lots

Lots must be split in the broker's steps, and each part must reach the minimum lot. If that is not possible, the tool uses fewer targets. For example, 0.02 lots with a 0.01 minimum can make two targets, but not three.

After TP1: rest to BE+

Click **BE** in the planner bar. When TP1 is hit, the stop of the remaining targets moves to entry plus costs. So once the first target is banked, the rest cannot lose money.

> HONEST NOTE This one runs in the tool, not at the broker, so it works only **while MT5 runs**. The targets themselves are at the broker.

Netting accounts

On a netting account, one symbol can only hold one position, so the tool cannot split it. You get a message and one trade with the full target. Use the partial close or the auto partial close there instead.

How split trades count

- A split trade counts as **one trade** for **Trades today**.
- Its result in the statistics is summed up when the last part is closed. So a trade with a win at TP1 and a BE exit is one winning trade.
- All parts carry the same stop. In the position comment you see which part it is, for example `DRX#12345 TP2/3`.

CHAPTER 10

SMART setup and S/R zones

What the zones are

Smart RR draws support and resistance as **zones**, not as single lines. It looks for swing highs and lows on three timeframes, by default H1, H4 and D1, and scores them. The strongest zones above and below the price are shown, three per side by default, within about four daily ATR of the price.

How a zone gets its score

Every turning point counts, weighted by:

- **Timeframe.** Higher timeframes weigh more.
- **Age.** Recent turning points weigh more.
- **Reaction.** A level the market left quickly counts more, measured in ATR of its timeframe.

Turning points close together merge into a zone. The zone is then rated up if it has flipped between support and resistance, if several timeframes agree, if it was touched often, or if it sits on a round number. It is rated down if candles have cut straight through it. The result is shown as **0 to 100 %, relative to the strongest zone** around.

> HONEST NOTE The percent is a ranking among the zones on the chart, not a probability that the level will hold.

Reading a zone

Each zone has a short label on the left, for example `S 4028.84 52%` or `R 4067.07 61% PDL`. R is resistance, S is support, then the price and the strength. A name such as PDL means a key level lies in the zone. Stronger zones also get a colored band.

Point at a zone for the full reason: price range, strength, timeframes, number of turning points, whether it acted as both support and resistance, distance to the price, and key levels in it.

Key levels

Dashed lines for levels most traders watch:

Label	Meaning
PDH / PDL	Previous day high / low
PWH / PWL	Previous week high / low
DO	Day open

A key level inside a zone is named in the zone label, instead of getting its own line.

SMART

Click **SMART** in the planner bar. In one click you get a market plan based on the zones:

1. It finds the nearest support and resistance.
2. **Direction:** whichever is closer. Near support the plan is long, near resistance it is short.
3. **Stop:** behind that zone, with a buffer of a quarter ATR.
4. **Target:** at the near edge of the next zone on the other side.
5. If the target would be closer than half the risk, it uses your mode's reward:risk instead.
6. With no zone in range, it uses an ATR stop.

The message line tells you what it did, for example `SMART LONG · support 61% → resistance · 1.85R`. Lots adapt as usual. **Nothing is sent.**

> KEY IDEA SMART is a starting point, not a signal. It does not know whether you should trade at all. It saves you the dragging when you have already decided.

Snap

While you drag a stop or target within about 8 pixels of a zone or key level, the line snaps to it. Turn this off with the input `Planner lines snap to S/R zones`. Your zones must be visible for this to work.

Change the zones

Use the rail button to show or hide them, or the inputs under **SMART LEVELS** (chapter 30). Useful ones:

- **Zones per side:** fewer for a calmer chart.
- **Min strength:** raise it to see only strong zones.
- **Timeframes:** for scalping, M15, H1 and H4 can fit better.

Zones update on every new bar.

Sessions and other chart additions

Sessions (**Settings** → **Display**) draw Asia, London and New York as soft boxes over the last days, from their high to their low. They work up to H1, and London and New York follow daylight saving time.

PART 3

Manage

CHAPTER 11

Position tags and menus

The tag

Every position on the chart's symbol gets a tag at its entry price: side, lots, live profit including swap. Green for buys, red for sells. Tags sit left of the planner and never overlap each other. Tags outside the visible price range are hidden.

Up to **three positions** get a tag each. With more, you get **one group tag for all buys and one for all sells**, at their average price, with the count and total lots.

Turn tags off under **Settings → Display → Position tags in the chart**.

Select a position

Click a tag, or right click it. Three things happen:

1. The tag gets a gold frame: this position is **selected**.
2. The **planner shows this position**, with its real entry, stop and target. If the position has no stop or target yet, the planner suggests some.
3. The **menu** opens.

While a position is selected:

- Drag the stop or target line. On release, the change goes to the broker, and a message confirms it.
- Keys `4`, `5` and `6` act on this position only.
- BUY and SELL start a fresh plan at the current price.
- `Esc` lets go of it, and your normal plan returns.

> KEY IDEA The planner has two jobs: planning a new trade, and editing an open one. The gold frame on a tag tells you which job it is doing.

The position menu

Item	What it does
Close	Closes this position.
Reverse (no SL / TP)	Closes this position and opens the same lots the other way, without stop or target.
BE+	Stop to entry plus costs (chapter 12).
Risk-free	Closes just enough that the rest cannot lose at its stop.
Reduce 25 / 50 / 75 %	Closes that share. The lots are shown next to it.
Reduce by lots ...	Type the lots to close, then `Enter`.

Item	What it does
Close winners / losers	Only with more than one position. On this symbol.
Trailing stop	Switches trailing on or off.
Auto BE+ at xR	Switches auto BE+ on or off.
Auto partial at xR	Switches auto partial close on or off.

The last three are switches for the whole chart, not for this one position.

The group menu

With more than three positions, the group tag opens this menu for its side: **Close all**, **Close winners**, **Close losers**, **BE+ for all**, **Risk-free for all**, and **Show every position**, which opens the Trades page.

The mouse wheel

Optional, under **Settings** → **Display** → **Wheel over a tag reduces it**. With it on, one step of the wheel downward over a tag closes one lot step of that position. Off by default, because it is easy to do by accident.

The right-click menu

Right click on free chart space. You get **Buy limit / stop here**, **Sell limit / stop here**, **Price alarm here**, **Hide planner**, **Fold panel**, and **MT5 menu**. The last one makes your next right click open the normal MT5 menu. To get the normal menu back for good, turn off **Settings** → **Display** → **Own right-click menu**.

The order menu

The dots at the top right of the Order block. Here you choose market or pending, the risk base and safe mode.

The position card

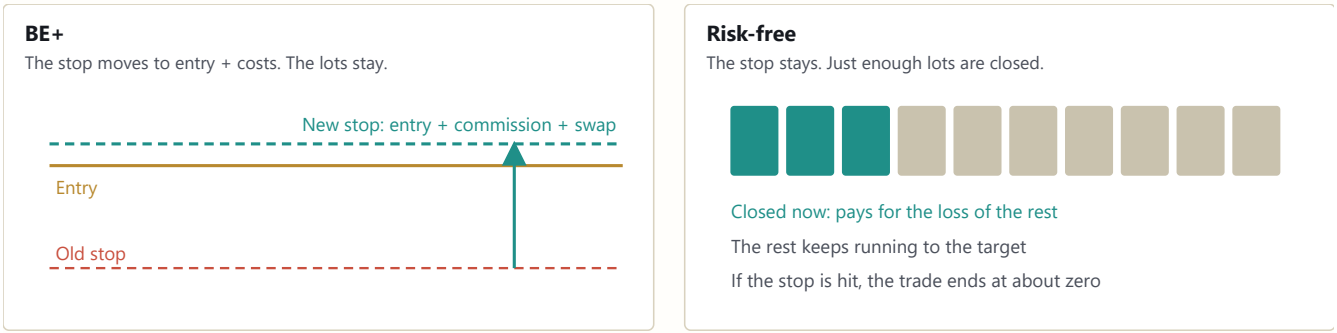
With open positions on this symbol, the panel shows a card: the side and lots, or the number of positions with total lots, the total profit, and what would happen at the stop.

Text	Meaning
At the stop -180.00 $	What you lose if all stops are hit, including what you already banked from this trade.
Stop in profit	The stop is past the entry.
Risk-free	The trade can no longer cost money.
No stop loss	At least one position has no stop. Red.

Next to it, it lists what is active, such as **Trailing** or **Auto 50%**, and a single position shows its current R. The buttons **BE+**, **FREE**, the partial percent and **CLOSE** act on **all positions of this symbol**.

CHAPTER 12

BE+, risk-free and partial close



BE+ moves the stop. Risk-free closes part of the position. Both end in a trade that cannot lose money, in two different ways.

BE+

BE+ moves the stop to the entry **plus your real costs**: commission for both ways, and any negative swap. A plain break-even stop still costs you commission. BE+ does not.

The tool reads the commission of this position from its history and turns the costs into price distance. The message tells you where the stop went, for example `XAUUSD: stop to 4063.40 (entry + costs 7.00 $)`.

Message	Meaning
stop is already at BE+ or better	Nothing to do.
not far enough in profit for BE+ (needs ...)	The price must first pass that level, because a stop cannot sit on the wrong side of the market.

Use it from the position menu, key `4`, or **BE+** in the position card.

Risk-free

Risk-free leaves the stop where it is and closes **exactly enough** that the remaining lots can no longer cost you money at that stop. It works with what the trade has earned so far, with commissions and earlier partial closes included.

Example. Buy 1.00 lot, 200 $ risk at the stop, 100 $ in profit now. Closing a third banks about 33 $, and the remaining 0.67 lots lose about 133 $ at the stop. That is not enough. Closing two thirds banks about 67 $, and the remaining 0.33 lots lose about 66 $ at the stop. Now the trade ends at about zero if the stop is hit, and 0.33 lots run to the target.

The formula behind it:

```
closed share = (loss at stop + exit costs - already banked) / (open profit + loss at stop)
```

The closed lots are rounded up to the lot step.

Message	Meaning
set a stop loss first	Risk-free needs a stop.
already risk-free	What was banked covers the stop.
not in profit yet	There is nothing to bank.
risk-free would mean closing everything	The profit is too small compared to the risk, or the lots are too small to split.

> TIP BE+ keeps your full size and gives the market more chances to stop you at zero. Risk-free banks money but leaves less running. Neither is better. Decide before the trade, and write it in your rules.

Partial close

Partial closes your set share of the position, by default 50 %. Set it under **Settings** → **Order** → **Partial close**, 10 to 90 %. Key `6`, or the percent button in the position card.

Lots are rounded down to the step. If the part is below the minimum lot, or would leave less than the minimum, you get a message instead.

Reduce in the position menu does the same with fixed shares or a typed lot size.

Acting on the symbol or one position

You use	Acts on
Key `4`, `5`, `6` with a selected position	That position
The same keys with nothing selected	All positions of this symbol
Buttons in the position card	All positions of this symbol
Position menu	That position
Trades page row	That position, any symbol

CLOSE and key `3` close all positions of the chart's symbol. Pending orders stay.

Close by result

Close winners and **Close losers** are in the position menu, the group menu and on the Trades page. They show how many positions and how much money before you click. Afterwards a message shows the result, and any that failed.

CHAPTER 13

Automatic management

Everything here is **off by default**. Smart RR never manages a trade unless you tell it to. Switch these on under **Settings → Position**, in the position menu or with inputs.

> HONEST NOTE Trailing, auto BE+, auto partial close and "BE after TP1" run in the tool, not at the broker. They work **only while MT5 runs and is connected**. The stop itself is at the broker, so it stays where it was last set.

Which positions are managed

Positions on the chart's symbol that were opened by Smart RR or by hand. Trades of other EAs are never touched, because they carry another magic number. Nothing is managed while a lock is active.

Management measures in R of the **first stop** of the position. The tool remembers that first distance, even after you moved the stop to BE or trailed it.

Trailing stop

Trailing starts once the position is **x R in profit** (default 1R), and the stop only ever moves tighter.

Method	The stop follows
ATR	The price, at a distance of x × ATR(14). Default 1.5.
Points	The price, at a fixed distance in points.
Bar high / low	The low of the last closed bar for buys, the high for sells, plus the spread.
Fractal	The latest confirmed fractal.
EMA	An exponential moving average, default 20.

Choose under **Settings → Position → Trailing method**. Only the setting for your method is shown there.

To avoid constant small changes, a new stop must be at least a tenth of the trailing distance better than the old one, and one position gets at most one change every 1.5 seconds.

When to use which. Bar and fractal trailing follow market structure and give trends room. ATR adapts to volatility. Points are simple and predictable. EMA suits clean trends. There is no best one. Test yours on demo.

Auto BE+

At **x R** in profit (default 1R), the stop moves to BE+, once, while it is still on the loss side.

Auto partial close

At **x R** in profit (default 1R), your partial percentage is closed, once per position, even if the broker refused the first attempt.

In one pass, the order is: auto partial first, then auto BE+, then trailing.

Scalp and swing

The rail button switches between two profiles. Each has its own risk and reward:risk. Set them in **Settings → Order**.

With **Settings → Order → Scalp / swing set the plan** on, which is the default, the mode also changes:

	Scalp	Swing
Targets	1	2
Auto BE+ level	0.5R	1R
Trailing method	Bar high / low	Fractal
Planner	Mini	Full
ATR for a new stop	Chart timeframe	H1 on charts below H1

> KEY IDEA The preset sets **how** trailing and auto BE+ would work. It does not switch them on. You still do that with the switches.

Scalp to M15, swing from H1 chooses the mode by the chart timeframe. Off by default.

OCO

With **Settings → Position → OCO** on, a filled pending order deletes the other pending orders of this symbol placed by Smart RR. The other targets of a split trade stay. This suits a breakout setup with a buy stop above and a sell stop below a range.

Phone and web trades

See chapter 20. With MT5 running at home, a trade you place on your phone can get a stop automatically.

CHAPTER 14

Pending orders

Place one

There are four ways:

1. **Right click** at a price and choose the order. Then hold BUY or SELL.
2. **Drag the entry** line to the price. The plan turns pending.
3. **Double-click the entry card** and type the price.
4. Press `8`, or use the order menu, then place the entry.

The buttons show what you will send, for example **BUY LIMIT 4050.00**. Orders are good till cancelled. With several targets, each target is its own pending order.

> HONEST NOTE Limits are checked when you send, not when the order fills. If the market reaches a pending order while the news lock runs, it fills like any other order. In a lock, however, all pending orders are deleted. To be safe, delete pending orders before news with **Pend. all** on the Trades page or with **Delete all pending** in the menus.

Order tags

Each pending order on this symbol gets a tag at its price, left of the position tags, with a dashed line under it, so you can tell it from a position. It shows the type and lots, such as `BUY LIMIT 0.50`. With more than three orders you get one group tag with the count.

Action	Result
Click the tag	Opens the order menu.
Click the **x**	Deletes this order.
Point at the tag and press `Del`	Deletes this order.

The order tag menu

Item	What it does
Delete this order	Deletes it.
Execute now at market	Deletes the order and opens the same lots at market with the same stop and target. The guard checks this first. A stop or target that would be on the wrong side of the market is dropped, so check it right after.
Type a new price ...	Moves the order. Stop and target move along by the same distance.

Item	What it does
Delete all pending orders	For this symbol.

The group tag offers: delete all, delete the limit orders, delete the stop orders, and show every order.

OCO

See chapter 13.

Pending orders and the guard

- Pending orders count toward **open risk** only once they are filled.
- A lock deletes all pending orders on the account.
- Delete buttons always work, even when the account is locked or paused.

CHAPTER 15

Trades page, alarms and result marks

The Trades page

Click **Trades** at the bottom of the panel. The number on the tab counts your open positions and orders. The page lists **all positions and pending orders of the account**, on every symbol, not only this chart.

At the top you see the totals: **Open** profit, and **At stop**, what you would have if every stop were hit.

Below are the bulk buttons for this symbol:

Button	What it does
Winners	Closes the winners. Shows the sum.
Losers	Closes the losers. Shows the sum.
All BE+	BE+ for every position.
Pend. all	Deletes all pending orders.
Limit / Stop	Deletes only limit or only stop orders.

Each row shows the symbol, side, lots, open price, live profit and its state:

State	Meaning
No SL	No stop. Red.
Risk-free	Cannot cost money any more.
Stop in profit	The stop is past the entry.
+0.53R	The current result in R.

Pending orders show their risk in money and the distance to the price. A part of a split trade shows **TP2/3** next to the lots.

Positions have the buttons **BE+**, **FREE**, partial and × to close. Pending orders have **Delete**. Scroll with the mouse wheel or the arrows.

> TIP Run the panel on one chart and keep the Trades page open during a busy session. It works for all symbols, without switching charts.

Price alarms

Right click at a price and choose **Price alarm here**. A dashed gold line appears.

- **Move it:** double-click the line to select it, then drag, like any MT5 line.
- **Delete it:** select it and press `Del`.

- **When it is reached:** you get an MT5 alert, the alarm sound and a message. If push is set up in MT5 under **Tools** → **Options** → **Notifications**, your phone gets one too. Then the line is removed.

Alarms check the bid price. They need MT5 to be running. Each chart watches only its own alarms.

Result marks

When a trade is fully closed, a small dot appears at the exit, with text such as `+1.8R · +362.50 $`. Partial closes are added up and shown with the last part. Commission and swap are included. Point at the dot for the side, result and time.

Under **Settings** → **Display** → **Result marks show** you choose:

Setting	Dots
Last trade	Only the last one.
Today	All of today.
All	All since the tool started on this chart.

Text is kept for the last three trades, so the chart stays readable. Turn the marks off with **Result at the exit in the chart**.

Sessions

See chapter 10.

Using it with DRX DrawPad

Smart RR and DrawPad run side by side. An EA and DrawPad can share the chart, and Smart RR notices when the DrawPad toolbar is docked. The chart area shrinks by that much, so that the quick bar, the planner and the message line stay clear of it. It reacts when you dock, move or remove it. Your own drawings stay under the tool's surfaces, so the buttons stay clickable.

CHAPTER 16

The journal

Smart RR keeps a journal by itself. Without typing anything, you have a record of every trade.

Where it is

In MT5 choose **File → Open Data Folder**, then **MQL5 → Files → DRX_Cockpit**.

- `journal.csv`: one line per event.
- `shots\`: one chart screenshot for each open, close and lock.

Screenshot names look like `2026-11-04_195444_OPEN_XAUUSD.png`.

The columns

Separated by semicolons. Open it in Excel, LibreOffice or any table tool.

Column	Content
time	Server time
event	See below
symbol, type, volume, price	The deal
sl, tp	Stop and target
profit	Result including swap and commission
equity	Equity at that moment
dd_used_%	Max drawdown used
day_used_%	Daily loss used
note	Extra information

Event	Written when
SETUP	The assistant is finished, with profile and limits
MODE	A new challenge or funded period starts
OPEN	A position opens
CLOSE	A position closes
LOCK	A lock starts, with the reason
UNLOCK	A daily lock is lifted with the input

What counts

By default manual trades count too: `Count manual trades too` is on. Switch it off, and only trades with the Smart RR magic number are counted, in the statistics as well as the trade limit.

Turn the journal off with the input `Journal: CSV + screenshot per trade`.

> HONEST NOTE The tool does not delete old screenshots. They are small, about 100 KB each, but check the folder now and then. The CSV is written while the file is open elsewhere, but it is best to work on a copy. With Smart RR running on several charts, each chart adds its own line.

Using it

A journal only helps if you read it. A simple weekly routine:

1. Filter `CLOSE` lines by week.
2. Open the screenshot of the three worst trades.
3. Ask only one question: did I follow my plan?

The `day_used_%` column shows how close to the limit you trade. If it often passes 60 %, your size is too big for your rules.

PART 4

Protect

CHAPTER 17

The four modes

The mode decides how strict the tool is. It is shown in the mode line at the top of the panel.

	Challenge	Funded	Personal	Free
Hard limits and lock	yes	yes	yes	no
Limits only get stricter	yes	yes	yes	no
Discipline rules block trades	yes	yes	yes	no
Safe mode	yes	yes	yes	no effect
Profit target	challenge target	payout target	none	none
Pass chance	yes	yes	no	no
Period counter	yes	yes	no	no
Pass card	yes	no	no	no

Challenge

For a prop-firm evaluation. The hero card shows the progress to the target and the pass chance. When the target and the minimum trading days are reached, a card congratulates you.

Funded

For a funded account. The target becomes your payout target, 5 % by default. The hero card shows the progress to the next payout. Otherwise it works like Challenge.

Personal

For your own money. No target and no period, but the same hard limits. Many traders lose their own money for lack of exactly the rules that a prop firm would force on them. Personal mode gives you those rules on your own account.

Free

For traders who only want the tool. Nothing locks, nothing is blocked.

What is **off** in Free mode:

- Lock, emergency brake, closing on a breach.
- Trade limit, day stop, cooldown, news lock, spread block, trading hours.
- Open-risk check, margin check, and the size limit of safe mode.

What **stays** in Free mode:

- The planner, lots, all order and management functions, the statistics and the journal.

- The bars in the panel, now called **Hints**. They show the numbers without any consequence, and the message line still gives advice.
- The question for a plan with negative expectancy.
- What you turned on yourself: max lots per trade, time and goal rules, phone protection, trailing and so on. Phone protection is on by default. See chapter 20 to turn it off.

> WARNING Free mode really means free. If your account has real limits, a prop firm will not care that you turned off the guard.

Changing the mode

In **Settings** → **Mode**, click the mode card, then click again within four seconds.

Change	Rule
Into **Free**	Not while a lock or a break runs.
Challenge → Funded	Only after the challenge is passed.
To **Challenge or Funded**	Starts a new period from the current balance. The limits stay.

You can also change the mode with the input `Mode`. The input counts only when you change it. A mode set in the cockpit stays after a restart. If the input asks for Free during a lock or break, it is refused and the Experts log says so.

Start of a new period

A new period sets the start capital to the balance now (unless you entered a fixed start capital), resets the equity peak, and starts the day counter. Your limits stay. Statistics in the calendar count from the period start.

CHAPTER 18

The limits explained

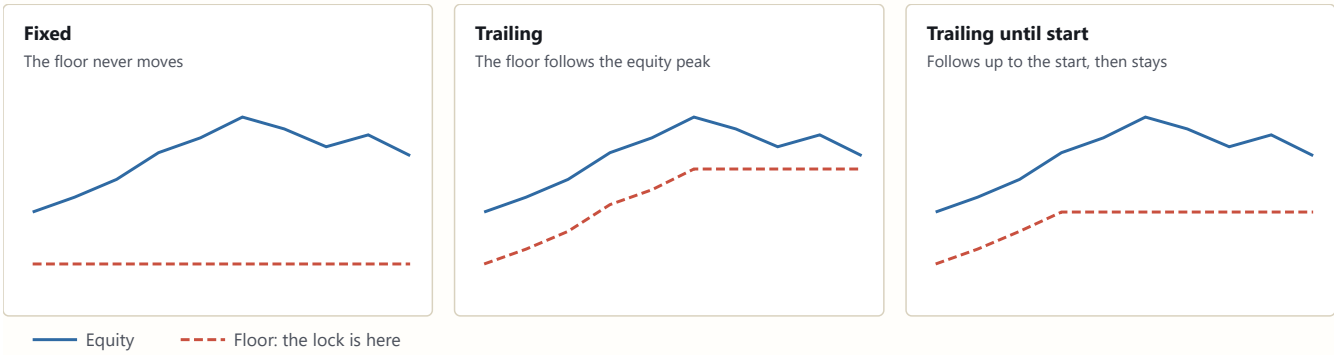
Read this chapter if your account has rules. Prop firms differ in small details, and the details decide whether you keep the account.

Everything is measured on equity

The guard compares your **equity**, which includes open profit and loss, with your limits. It does this on every tick and four times a second. So you can hit a limit without closing a single trade.

Max drawdown

The most you may lose overall. In percent of the start capital.



Three drawdown types. The dashed line is the floor. If the equity touches it, the account locks.

Type	The floor is	Example on 100,000 $, 10 %, peak 104,000 $
Fixed	Start capital minus the limit. It never moves.	Floor 90,000 $
Trailing	Highest equity minus the limit. It follows every new high.	Floor 94,000 $
Trailing until start	Follows the high until it reaches the start capital, then stays.	Floor 94,000 $ at peak 104,000 $, at most 100,000 $

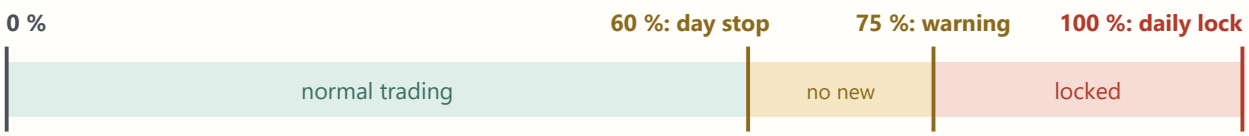
The **equity peak** is your highest equity while the tool runs, and it is stored. If the tool was not running when your account made a new high, it does not know that high.

> WARNING Trailing drawdown counts open profit in many rule sets. If a trade runs +3 % and falls back, your floor has moved up by 3 % and your room has shrunk by that much. Check how your provider counts: on closed balance, or on equity. Smart RR trails on equity, which is the stricter and safer reading.

In the panel, **Max-Drawdown** shows the part used, in percent of the start capital.

Daily loss

The most you may lose in one trading day.



Example: 5 % daily limit on 100,000 $. Day stop at 3 % (3,000 $), warning at 3.75 %, lock at 5 % (5,000 $).

> Daily loss from 0 to 100 %. The day stop comes first, then the warning, then the lock.

What the day starts from. Input `Daily loss counted from`:

Setting	Reference
Balance	Balance at the start of the day
Equity	Equity at the start of the day
Higher one	The higher of the two. Default, and the strictest.

What the percent refers to. Input `Daily limit in % of start capital`. On by default. Off, it refers to the day's reference.

When the day starts. Input `New trading day starts at`, in **server hours**. Default 0. Many providers reset at a certain hour in their own time zone. Find out what that is in your server time, and set it. A wrong reset hour is the most common reason for a difference from your provider's numbers.

Example. 100,000 $, 5 %, day start balance 102,000 $, equity 103,500 $ because of an open trade. The reference is 103,500 $ and the limit 5,000 $. The lock comes at equity 98,500 $.

Emergency brake

A second, earlier lock on the max drawdown. Input `Emergency brake`, default 8 %. Reaching 8 % drawdown closes everything and locks, before the 10 % limit is hit.

Why? A close order at a limit is not instant. A fast market or slippage can carry you past it. The brake leaves room.

> WARNING The brake only works when its value is **below** your max drawdown. With profiles of 8 % or 6 %, the default of 8 % does nothing. Set it lower, for example to 6.5 % on an 8 % limit, or 5 % on a 6 % limit. It is an input, and it does not change with the profile.

Max open risk

The sum of what all your open positions lose at their stops, on all symbols, in percent of equity. Default 3 %. New trades that would go past it are refused. Stops in profit count as zero. Positions without a stop cannot be counted, so the bar turns red and says how many.

Margin level

An order is refused if the margin level after it would be under 300 %. Input `Min margin level after a trade`.

How your limits should relate to your provider's

Give yourself room. These are suggestions, not rules:

Provider rule	Sensible setting in Smart RR
Daily loss 5 %	4 to 4.5 %, or trust the day stop at 60 %
Max drawdown 10 %	9 %, brake at 8 %
Reset 17:00 New York	The same moment, in server hours

How to compare with your provider

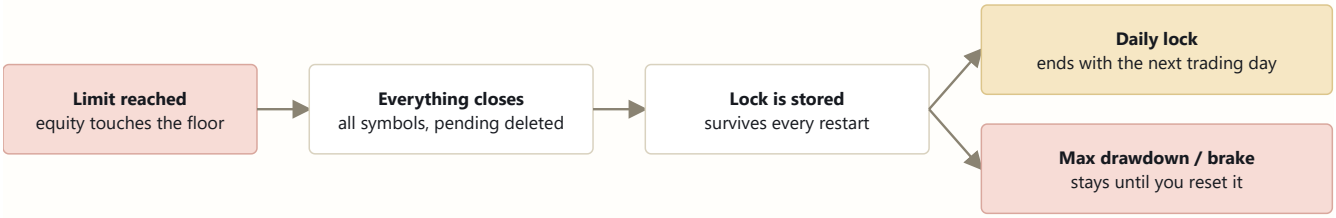
1. Enter the original account size in `Start capital for the limits`.
2. Compare the daily numbers of Smart RR with your provider's dashboard for a few days.
3. If they differ, check the reset hour first, then `Daily loss counted from`, and then whether commission counts.
4. Adjust **before** you trade near a limit.

> HONEST NOTE The numbers in Smart RR are calculated on your terminal. Your provider calculates on its server. Small differences are normal. The provider's number is the one that counts.

CHAPTER 19

The lock

The lock is why this tool exists.



What happens when a limit is reached.

What happens

When a limit is reached, in Challenge, Funded and Personal:

1. **All positions close, on all symbols.** All pending orders are deleted. Input `Close everything on a breach`.
2. **Anything new is closed at once**, every three seconds, even from your phone or from another EA. Input `While locked: close new trades at once`.
3. An MT5 alert and the lock sound follow, and a journal line with a screenshot.
4. The state is stored. **Restarting does not lift it.**
5. A card appears on the chart with the reason. BUY and SELL are replaced by a lock message.

> WARNING The guard acts on the **whole account**, on every symbol and every magic number. If another EA trades on the same account, its trades are closed too. That is deliberate: your limits apply to the account, so the guard does too.

The three locks

Lock	Reached at	Ends
Daily limit	Daily loss at 100 %	Automatically with the next trading day
Max drawdown	Max drawdown at 100 %	Only with a reset
Emergency brake	Brake value	Only with a reset

The daily lock card shows a countdown, **Free again in**, and the reset hour.

The limits only get stricter

Once the assistant is finished, in Challenge, Funded and Personal:

- In the settings, buttons that would loosen a protection refuse, with a short message.
- A looser value in the inputs is ignored. A note in the Experts log says so.

- A stricter value counts at once.

This is true for daily loss, max drawdown, drawdown type, open risk, trades per day, max lots, losses in a row, break length, day stop, spread block and the news lock.

> KEY IDEA The moment you most want to change a limit is the moment you should not. That is why there is no button.

The two ways out

Both are in the input window, on purpose: they take a few deliberate steps. Press **F7** on the chart, or use the Expert properties.

Lift today's daily lock

For a daily lock that was a genuine mistake, such as a wrong setting or a test trade on the wrong account.

1. Open the inputs. Under **STATE** set `Lift TODAY's daily lock once` to **true**. Click **OK**.
2. The lock is lifted, and the day starts again from your current equity.
3. Set the input back to **false** right away.

This works **once every 7 days**. If you try again sooner, the lock stays, and the Experts log tells you when you last used it. It lifts only the daily lock. **Max drawdown and the brake stay hard.** The journal records it as `UNLOCK`.

> HONEST NOTE The panel says "cannot be lifted", because that is true for everything inside the cockpit. This input is the single exception. Also remember: your provider still counts the real day. Lifting the lock changes nothing there.

Reset for a new challenge

For a new account, a new challenge, or a real fresh start.

1. Open the inputs. Under **STATE** set `Reset stored status + limits ONCE` to **true**. Click **OK**.
2. Everything stored for this account is deleted: lock, start capital, day values, streaks, mode and limits.
3. The assistant starts again, and you set new limits.
4. Set the input back to **false** right away.

> WARNING If you leave the reset on true, the tool forgets its state on every restart, and your guard is gone. Always set it back.

What a lock does not do

- It does not stop your provider's clock or rules.
- It does not work when MT5 is closed or disconnected.

- It does not guarantee the exit price. Closing is a market order, and in a fast market or a gap it can fill past your limit.
- It does not lock another account. State is stored per account login and magic number.

Run it safely

- Keep MT5 running, with Algo Trading on, while you hold positions.
- A VPS or a machine that stays on is the safest place for an account with limits.
- Always use stops. The broker holds your stop, even if your computer is off.

CHAPTER 20

Discipline rules

These rules do not save your account from one big loss. They save it from the habits behind it. Each rule blocks **new** trades. Open positions stay, and you can always close them, reduce them or move their stops.

While something blocks you, the state shows **Paused** or **Break**, and the line under BUY and SELL says why.

Day stop

At **60 % of your daily limit**, no new trades for today. On a 5 % limit this is 3 %. It is on by default.

Why 60 %? Because the last 40 % of a daily limit is where traders try to win it back. You stop before that, and you still have room for the open trades to work.

Trades per day

By default 3. When reached, no new trades until the next day. Set 0 for no limit. A split trade with several targets counts once. By default manual trades count as well.

Break after losses

After 3 losses in a row, a 30-minute break. The panel shows a countdown. One winning trade resets the streak. One loss before the break, the message line warns you.

News lock

No new trades 15 minutes before and after a high-impact event of the symbol's two currencies. Optionally for medium events too. See chapter 26.

Spread block

Input `Block if spread above` or **Settings → Protection**. In points of the symbol. Off by default. Useful around rollover, when spreads explode. For gold, a value of 50 would be 50 points, which is 0.50 $ on most brokers. Check yours with the spread shown in MT5.

Trading hours

Settings → Goals → New trades from / until, in server time. Both must be set. It also works across midnight, for example from 22:00 to 06:00. Outside these hours new trades are blocked. Open positions are not touched.

Max lots per trade

Settings → Protection → Max lots per trade. The plan is capped at this size. It also cuts phone trades (below). Useful if you know that one symbol invites you to overtrade.

Day goal

Settings → Goals → Day goal. When the day's profit reaches this percent, **everything closes on the whole account**, and in guarded modes new trades are blocked for today. Off by default. Set it if you tend to give back good days.

Close at a time

Settings → Goals:

- **Close all every day at**: for example before rollover.
- **Friday: close all at**: for weekend-free accounts.
- **Challenge target: close all**: closes everything when the target is reached.

> WARNING These rules act on the **whole account**, in every mode, Free included. They fire in a five-minute window after the set time, so MT5 must be running then.

Phone and web trades

On by default: **Settings → Position → Protect phone / web trades**. It works when MT5 runs with Smart RR on any chart, and you open a trade from the MT5 phone app or the web terminal. Once per position:

1. **Too many lots?** If you set max lots, the part above it is closed at once.
2. **No stop?** A stop is set, so that one loss costs your normal risk. If the price has already passed that distance, the stop goes right behind the price.

A message and sound tell you. This also runs in Free mode, unless you turn it off.

> TIP This is the best answer to "I took a quick trade on my phone without a stop". It works on all symbols of the account.

The message line

Bottom left, one message at a time, the most important first:

Priority	Examples
Critical	Positions without stop loss
Careful	Break, news lock, day stop, trade limit, one loss before the break, 75 % of a limit, open risk nearly full
Info	Day target reached, weekend ahead

Confirmations of your own actions take priority for a few seconds.

Sounds

Each event has its own sound: order sent, rejected, TP, SL, BE+, partial close, lock, break over, goal reached, news in 5 minutes, price alarm, and the arming of a key. In **Settings** → **Sounds** pick a set:

- **Calm:** soft sounds.
- **Classic:** clearer sounds.
- **Alerts only:** silent, except lock, news and price alarms.

Listen plays each one. Sound files are inside the tool, so you have nothing to install.

CHAPTER 21

Safe mode

Safe mode is the feature that shows what your account can really take. It is on by default.

Today's room: the smaller of the two buffers, minus the risk already open

33 % = 1,320 $	stays free for later trades

left today after open risk: 4,000 $

With a safe share of 33 %, the next loss may cost at most 1,320 $. The lots are cut to fit, even if your chip says more.

> Safe mode limits the next loss to a share of what is left today.

The idea

A 0.5 % risk is fine on a fresh day. It is not fine when you are two losses from the daily limit. Safe mode makes your size follow your room, so that **one loss can never use more than a share of what is left today**.

The calculation

1. **Room:** the smaller of the daily buffer and the max drawdown buffer.
2. **Minus** the risk of the trades already open.
3. **Times** the safe share, 33 % by default.

The result is the most your next loss may cost. If your chip asks for more, the lots are cut, and the card shows **SAFE** with the real percentage.

Example. 100,000 $, daily limit 5 %, down 3,000 $ today, one open trade risking 500 $.

- Daily buffer: 5,000 - 3,000 = 2,000 $
- Minus open risk: 1,500 $
- 33 %: **495 $**

Your 0.75 % chip would risk 750 $. Safe mode cuts the size to 495 $.

What it does to a losing streak

With a share of 33 %, each loss takes a third of what is left, so the room shrinks in steps, but it never reaches zero by itself. Your sizes get smaller by themselves as you get closer to the limit. A bad day becomes a smaller bad day.

If every loss used the full amount, the room would shrink like this:

After loss	Room left (start 5,000 $)	Next max risk
Start	5,000 $	1,650 $
1	3,350 $	1,105 $

After loss	Room left (start 5,000 $)	Next max risk
2	2,245 $	740 $
3	1,505 $	497 $

Your chip is usually lower than this, so safe mode only starts to act when the room really gets tight.

When no room is left

The card shows **Safe mode: no buffer left**, and orders are refused. If even the minimum lot is more than the room allows, you get a message suggesting a tighter stop.

Settings

- **On or off:** the order menu, or the input `Safe mode`.
- **Share: Settings → Order → Safe mode: share of the buffer**, 5 to 100 %.

Point at the SAFE row in the order menu for the live numbers. In Free mode it has no effect, and the row is not shown.

> HONEST NOTE With fixed lots as the risk base, safe mode cannot change the size. It can still refuse an order that would not fit.

PART 5

Prop firms

CHAPTER 22

Running a challenge

This chapter walks through a challenge with Smart RR from the first day to the end.

> WARNING First check that your provider allows Expert Advisors or trade managers on your account type. Rules differ, and they change. Smart RR does not trade by itself, but technically it is an EA, and some rule sets ask about those. Your provider's rules always come first.

Before the first trade

1. **Read the rules** and write down: account size, profit target, daily loss, max loss, drawdown type, when the day resets, minimum trading days, and any consistency or news rule.
2. **Put the tool on the funded terminal**, on the account in question.
3. **Enter the start capital** in the input `Start capital for the limits`, for example 100000. Otherwise a challenge that has already started is measured from today's equity.
4. **Set the reset hour** in `New trading day starts at`, in server time.
5. **Start the assistant** with **Challenge**, the fitting profile, or **Custom** with exact numbers.
6. **Choose the risk.** Look at the summary in step 4 of the assistant.
7. **Test it.** Open and close a very small trade, and compare the day numbers with your provider's dashboard.

A setup that fits the rules: an example

A 100,000 $ two-step challenge: target 10 %, daily loss 5 %, max loss 10 % fixed, at least 4 trading days.

Setting	Value	Why
Mode, profile	Challenge, 2-Step	Fixed 10 % and 5 %
Start capital	100000	Same base as the provider
Challenge target	+10 %	The rule
Minimum trading days	4	The rule
Planned days	20	Your plan, not a rule
Risk base	% of start capital	Same money each trade
Risk per trade	0.5 %	500 $, 20 losers to the max limit
Reward:risk	2R	Fits a win rate of about 40 %
Trades per day	3	Keeps you selective
Day stop	On	Stops at 3 %
Safe mode	On, 33 %	Sizes down on bad days
News lock	On, 15 min	Many rule sets care about news

This is an example of the method, not a recommendation. Your edge decides what fits.

During the challenge

The hero card shows what matters: progress, today and the pass chance. Under it are the bars. A simple daily rhythm:

1. **Before the session.** Check the state, the next news in the Today block, and the number of trades left.
2. **For every trade.** Plan it, read the money on the cards, send it.
3. **After a loss.** Read the safe-mode size on the card. It tells you how the day stands.
4. **At the day stop.** You are done. That is the plan working.

Target reached

When the profit reaches the target and the minimum trading days are complete, a **Target reached** card appears with the profit, the trading days and the share of the max drawdown you used.

Two choices:

- **Later** asks again tomorrow.
- **Switch to funded** starts a funded period. Do this when you actually have the funded account.

If you want the trades closed at that moment, turn on **Settings → Goals → Challenge target: close all**.

New challenge or next phase

Many challenges have two phases. For phase 2 you usually get a new account. On a new account the tool starts fresh with its assistant, because the state is stored per login.

On the same account, use the input `Reset stored status + limits ONCE` (chapter 19).

Trading several accounts

Each account login has its own stored state. Use one MT5 terminal per account, as usual. Copy trading across accounts is outside this tool.

CHAPTER 23

Pass chance, EV, Kelly and buffer

Open the **Calendar** page. At the top you see the target, the money still needed and four numbers.

Pass chance

The chance that you reach the target before you hit a limit, as an estimate.

The tool plays through **2,000 simulated challenges**, starting from where your account stands now. Every simulated trade wins or loses according to your win rate, with your reward:risk and your current risk per trade. A run fails when it hits the max drawdown or the daily limit. It stops for the day at the day stop. It passes if it reaches the target in time.

Inputs of the simulation:

Input	Comes from
Win rate and payoff	Your last 200 closed trades (120 days), once you have at least 10. Otherwise the input `Your win rate` and the reward:risk of your plan.
Risk per trade	The chip you have selected now
Target, limits, drawdown type	Your settings
Days	Planned trading days, or 60 if none
Trades per day	Your trade limit, or 3 if none
Start point	Your current equity and peak

Use it for what it is good at: **comparing**. Click a different risk chip and watch the number move.

> TRY IT On a demo with some history, select 0.25 %, 0.5 %, 0.75 % and 1 % in turn and note the pass chance for each. Most traders are surprised at how fast it falls when the risk grows, and that more risk does not always mean a higher chance.
>
> **Honest note** The simulation assumes every trade is a clean win or a clean loss and that the future looks like your history. It knows nothing about news, gaps or your nerves. It always counts the full planned days, even mid-challenge. Treat it as a guide for sizing, not a forecast.

EV

Expectancy per trade in R. The label says where it comes from: **EV · History** from your real trades, or **EV · Assumed** from the input. Below zero it is colored red, and the pass chance will be low at any size.

Note the difference: the EV here comes from your statistics. The EV on the planner is for **this plan**, your win rate times this reward:risk.

Kelly ½

Half of the Kelly fraction, in percent. Kelly is a formula for the share of capital that grows an account fastest in theory:

```
f = W - (1 - W) / R
```

Here W is the win rate and R the payoff. The tool shows half of it, because full Kelly is far too aggressive for real trading.

Example. 50 % win rate, payoff 2: f = 0.5 - 0.5 / 2 = 0.25, half is **12.5 %**. That is far above any sensible prop risk. Read this number as an upper limit that says your edge exists, not as a size to use. If Kelly is 0, you have no edge in the numbers.

Buffer

How many full losses you can still take at your current risk before the max drawdown: remaining buffer divided by risk per trade. It turns red below 3 trades.

Challenge math in a nutshell

The firm's own numbers give you a useful reward:risk: target divided by max loss. At 10 % target and 10 % max loss, that is 1:1. If you had one single shot, this would be the relation between what you win and what you can lose.

Three things raise your chance more than anything else:

1. **Lower risk per trade.** More trades fit within the limit, so your edge can show itself.
2. **A positive EV.** Without it, no size helps.
3. **Time.** No time limit, or a long one, means you need not press.

CHAPTER 24

The calendar

The **Calendar** page shows your result day by day, below the numbers from the last chapter.

The month

Each day is a cell. Green days made money, red days lost it, and the stronger the color, the bigger the move. Values are in percent of the start capital. Today's cell includes your open positions, live.

Use the arrows to go back up to three years, and click the month name to return to now.

A day runs from your reset hour to the next one, so the calendar agrees with the guard.

The statistics

Below the month. On small panels, fewer rows are shown. They count from the **start of the period**, not the month.

Value	Meaning
Win days	Days with profit, out of all trading days
Profit factor	Sum of wins divided by sum of losses, costs included
Best day	In percent of start capital
Worst day	In percent of start capital
Win rate	Share of closed positions in profit
Consistency	Best day as a share of the total profit

Consistency

Some providers want no single day to carry too much of your profit. For example: "no day above 30 % of the total profit".

Enter that number in the input `Consistency rule`. The value turns red when you are above it.

Example. Total profit 8 %, best day 3 %. Consistency is 37.5 %. With a 30 % rule, this turns red, so spread your profit over more days before you ask for a payout.

> HONEST NOTE Consistency is a display. It warns you, but it does not block trades. Your provider may calculate it another way, for example on closed days only or on payout periods.

What counts as a trading day

Any day with a closed trade or a commission from a trade counts in the statistics. **Minimum trading days** in the pass card uses this number. Your provider's definition may be different, for example a minimum trade size or a minimum result per day.

Win rate in the calendar and on the planner

The two can differ. The calendar counts the current period. The planner and the pass chance use your last 200 closed trades within 120 days.

CHAPTER 25

Funded accounts

A funded account is a different game from a challenge. In a challenge you need to reach a number once. On a funded account you want to be paid, again and again, without losing the account.

Switching

The usual way is on a new account: start the assistant and choose **Funded**.

On the same login, use the **Switch to funded** button on the pass card, or **Settings** → **Mode**. A new period starts from the current balance. Your limits stay as they are, because they can only get stricter.

The tool does not allow Challenge → Funded before the challenge is passed. If you received a funded account outside of this, for example on another login, the assistant covers it.

Payout target

Instead of a challenge target, Funded uses a **payout target**, 5 % by default. **Settings** → **Mode** → **Funded payout target**. Set it to what you actually want to withdraw, or to your provider's minimum.

The hero card shows the progress to it, and the mode line shows the day of the period and the target.

After a payout, start a new period if your start capital changed. Use **Settings** → **Mode**, change to Personal and back, or reset as in chapter 19.

> TIP Many funded traders lower their risk compared with the challenge. Losing a funded account costs more than the fee: it costs your income. Try half the challenge risk.

Base hits

Think of a funded account as a series of small payouts. A small, repeatable target reached often beats a big target reached once. Safe mode, the day stop and a day goal support this.

A workable setup:

- Risk 0.25 to 0.5 %.
- Day goal around your average good day: **Settings** → **Goals** → **Day goal**.
- Trades per day as in your challenge, or lower.
- **Friday: close all**, if your account may not hold over the weekend.
- **News lock** on, especially if your rules forbid trading near news.

Rules on funded accounts

Funded accounts often add rules that a challenge does not have: no news trading, no weekend holding, maximum lot size, minimum days between payouts. Each has its match in Smart RR:

Rule	Tool
No trades around news	News lock, with the minutes of your rule
No weekend holding	Friday: close all
Max lots	Max lots per trade
Consistency	Consistency in the calendar
Only during certain hours	New trades from / until

Rules that change often, or that depend on your provider's data, stay your responsibility.

CHAPTER 26

News

Smart RR uses the economic calendar that is built into MetaTrader 5. No web address, no extra file.

What it loads

The next 7 days of events, for the two currencies of the symbol. On EURUSD that is EUR and USD. On XAUUSD it is USD and, depending on the broker's symbol setup, the base currency. On an index CFD, usually the quote currency.

By default only **high-impact** events count. Turn on **Medium news too** if you want those as well.

The news lock

No new trades from x minutes before to y minutes after an event, by default 15 and 15. In guarded modes, this blocks new orders. Open positions stay. In Free mode there is only a notice, marked **News now (no lock)**.

Set these under **Settings** → **News**. As with other protection, after the start you can only make them stricter.

Where you see it

- **Top strip.** The next event, 24 hours ahead for high impact, 4 hours for medium. While locked, it shows **LOCK** and the chip turns stronger.
- **Today block.** The next news.
- **News page.** The full list.
- **Sound and message.** 5 minutes before an event.

The News page

Click **News** at the bottom of the panel. At the top you see a countdown card: **Next lock** with the time left, or **News lock active** with the time until it ends. Below that is the list for 7 days, with time, currency, impact and name.

Message	Meaning
The news lock is off in the inputs.	Turn it on in the settings.
MT5 calendar not available (broker / tester).	MT5 returned no calendar. It is not part of the Strategy Tester. Some brokers or server settings may also not deliver it.
No important news in the next 7 days.	The request worked, and nothing fits your filter.

> HONEST NOTE An empty week is not an error, but a broken calendar is a risk if you rely on it. Check the News page on the first day. Times come from MT5 and are converted to server time. Events can be added or moved at short notice, and your provider may use another source to judge what counts as news.

News and open positions

The lock stops you from opening trades. It does not protect a position you are already in. Before big news, decide: close it, move to BE+, or reduce. Your stop can slip in a news spike.

Pending orders are not cancelled by the news lock, and can fill during the news. If your rules forbid that, delete them before the event. See chapter 14.

PART 6

Reference

CHAPTER 27

Example setups

Four complete setups you can copy and adapt. They show how the pieces work together. The numbers are examples of the method, not advice.

The prop scalper

M1 to M5, a few quick trades in the London or New York session.

Setting	Value
Mode	Challenge, profile that fits
Rail	Scalp
Risk	0.25 %, reward:risk 1.5
Scalp sets the plan	On: one target, mini planner, bar trailing
Auto BE+	On, at 0.5R (from the preset)
Trades per day	5
Break	After 2 losses, 30 min
New trades from / until	Your session
Spread block	On, your normal spread × 2
Keys	On

Routine: plan with the mini planner, then use `1` twice or `2` twice. Once in profit, use `4` for BE+.

The swing trader on a personal account

H1 and H4, few trades, held for days.

Setting	Value
Mode	Personal
Rail	Swing
Risk	0.75 % of equity
Swing sets the plan	On: two targets, fractal trailing, stop from H1
BE after TP1	On
Trailing	On, from 1R
Daily loss	3 %
Max drawdown	15 %, trailing
News	On, high impact only

Routine: use SMART at a zone, check the plan, adjust the target to the next zone, and hold BUY or SELL. Keep MT5 running on a VPS so that BE and trailing work.

The funded trader

Calm, small and paid.

Setting	Value
Mode	Funded, profile as your account
Risk	0.25 % of start capital
Safe mode	On, 25 %
Day goal	+0.75 %
Trades per day	2
Friday close	21:00 server, if required
Max lots	As your rule
News lock	30 minutes each way, if required

Routine: one or two good trades a day, stop at the day goal, and request a payout when the target is reached.

Only the RR tool

No limits, no hints in your way.

Setting	Value
Mode	Free
Quick bar	On
Panel	Folded with `-`
Phone protection	Off, if you do not want it
Zones	On or off, as you like
Risk base	Fixed money, or fixed lots
Sounds	Alerts only, or off

You get the planner, lots, tags and all management tools. Chapter 17 lists exactly what stays active.

Moving from one to another

Settings stay per chart or per account, so one chart can be your scalping chart and another your swing chart. Scalp or swing, targets and planner size are per chart. Mode and limits are per account.

CHAPTER 28

Settings in the cockpit

Click the **gear** at the top of the panel. You can change almost everything here while you trade, without restarting. There are eight groups.

The rows work in three ways: **minus and plus** for numbers, a **switch** for on and off, and **click the value** to step through choices.

> KEY IDEA A setting made in the cockpit stays, as long as the matching input stays unchanged. If you later change that input in the input window, the input wins, with one exception: protection values can only get stricter (chapter 19).

Mode

The four mode cards, then: rule profile (shown), start capital (shown), challenge target, funded payout target, planned trading days, minimum trading days.

Protection

Row	What it does	Range
Daily loss	Daily limit	0.5 to 20 %
Max-Drawdown	Overall limit, with its type	1 to 40 %
Max open risk	Sum of all stops	0.25 to 20 %
Trades per day	Trade limit	1 to 30, or off
Max lots per trade	Size cap	or off
Losses in a row → break	Cooldown trigger	1 to 10, or off
Break	Cooldown length	5 to 480 min
Day stop at 60 % of the daily loss	Soft stop	on / off
Block at spread above	Spread block, points	or off

In guarded modes these go in the stricter direction only.

Goals

Row	What it does
New trades from / until	Trading hours, server time, in steps of 15 minutes
Day goal	Closes all at +x %, stops for today
Challenge target: close all	Closes all at the target

Row	What it does
Close all every day at	Daily close time
Friday: close all at	Weekend close

Order

Row	What it does
Risk base	% equity, % start capital, % balance, fixed money, fixed lots
Fixed risk per trade / Fixed lots	Shown with those bases
Scalp / swing set the plan	Presets on or off
Scalp to M15, swing from H1	Auto mode by timeframe
Risk scalp / swing	Default risk
Reward:risk scalp / swing	Default target
Start stop (x ATR)	New plan's stop distance
Safe mode: share of the buffer	5 to 100 %
Targets	1 to 3
Partial close	10 to 90 %

Position

Row	What it does
Trailing Stop	On or off
Trailing method	ATR, points, bar, fractal, EMA
Trailing distance / period	Shown for the method
Trailing from	R in profit
Auto-BE+ / Auto BE+ at	On or off, and R
Auto partial close / at	On or off, and R
OCO	A fill deletes the other pendings
Protect phone / web trades	On or off

News

News lock on or off, minutes before, minutes after, medium news too.

Sounds

Sounds on or off, the sound set, and **Listen**: each click plays the next event.

Display

Row	What it does
Language	Auto, English, Deutsch
Theme	DRX, Light, Graphite, Midnight
Size	70 to 200 %. It also follows your screen's DPI.
Mini planner	Lines and short labels
Number keys 1 - 0	Hotkeys on or off
Wheel over a tag reduces it	On or off
Own right-click menu	On or off
Position tags in the chart	On or off
Quick bar	On or off
Support / resistance zones	On or off
Sessions	On or off
Result at the exit in the chart	On or off
Result marks show	Last trade, today, all

Where settings are stored

Setting	Belongs to
Display, order, position	This chart
Mode, limits, goals, news, lock state	This account and magic number

All of it lives in MT5's global variables. These remain through restarts. MT5 removes global variables that were not used for four weeks, so a tool that was gone for a long time starts as new.

CHAPTER 29

Look and feel

Themes

Four themes under **Settings** → **Display** → **Theme**, or the input `Theme`.

Theme	Look
DRX	Dark navy with gold, the default
Light	Warm paper tone for bright rooms
Graphite	Neutral dark
Midnight	Deep blue-black

The chart colors follow the theme while `DRX candle colours` is on.

Size

Settings → **Display** → **Size** scales everything from 70 to 200 %. The tool also reads your Windows display scale, so that it looks the same on a 4K screen.

Small screens

- Fold the panel with `-`.
- Use the mini planner.
- Set the size to 80 or 90 %.
- Use focus mode (`0`) while you watch a trade.

Chart shift

The planner needs free space right of the last candle. The tool sets the chart shift for this. If you scroll back in history, the planner stays in its place. Press `End` to return to the live bars.

Drawing on the chart

Your lines, boxes and text remain under the planner, the tags and the panel. When you add a drawing, the tool lifts its surfaces back on top. This keeps its buttons clickable. See chapter 15 for DrawPad.

Other indicators

Everything else on your chart keeps working. Indicators stay visible behind the planner's soft zones. Indicators in sub-windows keep their place. The panel takes the right side of the chart, so a very wide price axis or very narrow window means less room for candles.

CHAPTER 30

Every input

These are the values in the window you get on attaching the tool, or with `F7` on the chart. Most are also in the cockpit settings, so you rarely need this window. Names appear as in MT5.

> TIP MT5 lets you **Save** and **Load** input sets in that window. Keep one set per account type.

General

Input	Default	Meaning
Language	Auto	Auto follows the terminal.
Theme	DRX	DRX, Light, Graphite, Midnight.
Size %	100	Also follows the screen DPI.
DRX candle colours	true	Your colors come back on removal.
Free space right of the last candle	true	Chart shift for the planner.

Guard (whole account)

Input	Default	Meaning
Rule profile	Own rules	Templates. Check your provider's rules.
Start capital for the limits	0	0 = equity at the first start.
Max drawdown	10	% of start capital, for own rules.
Drawdown type	Fixed	Fixed, trailing, trailing until start.
Max daily loss	5	%, for own rules.
Daily limit in % of start capital	true	Otherwise of the day start.
Daily loss counted from	Higher one	Balance, equity, higher one, at day start.
New trading day starts at	0	Server hour.
Max open risk of all positions	3	%.
Emergency brake	8	Close all and lock at this drawdown %. Works only below the max drawdown.
Min margin level after a trade	300	%.
Max lots per trade	0	0 = off.
New trades only from	empty	Server HH:MM. Empty = always.
New trades only until	empty	Server HH:MM.

Input	Default	Meaning
Phone / web trades	true	Stop by risk %, cut lots above the max.
Close everything on a breach	true	All symbols, all magic numbers.
While locked: close new trades at once	true	Hard lock.

Discipline

Input	Default	Meaning
Losses in a row → cooldown	3	0 = off.
Cooldown	30	Minutes.
Max trades per day	3	0 = off.
Block trading at the day stop	true	At 60 % of the daily limit.
Count manual trades too	true	Otherwise only Smart RR trades.
Block if spread above	0	Points. 0 = off.

News

Input	Default	Meaning
Block trading around high-impact news	true	MT5 calendar.
Minutes before	15	
Minutes after	15	
Include medium-impact news	false	

Plan

Input	Default	Meaning
Risk chips	0.25,0.5,0.75,1	% per trade, comma separated.
Risk of	Start capital	Equity, start capital, balance, fixed money, fixed lots.
Fixed risk per trade	100	In account currency.
Fixed lots	0.10	With the fixed-lots base.
Safe mode	true	
Safe mode: max share	33	% of the remaining buffer.
Scalp: risk	0.5	%.
Swing: risk	0.75	%.
Scalp: reward:risk	1.5	

Input	Default	Meaning
Swing: reward:risk	2.5	
Start stop distance	1.5	× ATR(14).
Planner width	220	Pixels at 100 %.
Planner lines snap to S/R zones	true	
Targets	1	1, 2 or 3.
2 targets: % at TP1	50	Rest at the TP.
3 targets: % at TP1, TP2	50,25	Rest at the TP.
After TP1: rest to BE+	false	Only while MT5 runs.

Position management

Input	Default	Meaning
Scalp / swing set targets, BE, trailing and planner size	true	Presets.
Scalp up to M15, swing from H1	false	By the chart timeframe.
Mini planner	false	
Mouse wheel over a tag reduces it	false	
Trailing stop	false	
Trailing method	ATR	ATR, points, bar, fractal, EMA.
Trailing distance (points)	300	
Trailing EMA period	20	
Trailing distance (× ATR)	1.5	
Trailing starts at	1.0	R in profit.
Auto BE+	false	
Auto BE+ at	1.0	R.
Auto partial close	false	
Auto partial close at	1.0	R.
OCO	false	

Time and goals

Input	Default	Meaning
Close everything every day at	empty	Server HH:MM.
Friday: close everything at	empty	HH:MM.
Day goal	0	Close all and stop at +%. 0 = off.

Input	Default	Meaning
Challenge target reached: close everything	false	

Prop firm

Input	Default	Meaning
Mode	Challenge	
Minimum trading days	0	0 = off.
Challenge profit target	10	%.
Funded payout target	5	%.
Planned trading days	20	0 = no limit.
Challenge start date	0	0 = first start.
Consistency rule	0	Best day max % of the profit. 0 = off. Display only.
Your win rate	50	While there is no history.
Use win rate / payoff of your real trades	true	From 10 closed trades.

Execution

Input	Default	Meaning
Magic number	770077	Change it if another EA uses the same.
Max slippage	30	Points.
Partial close	50	%.
Sounds	true	
Sound set	Calm	Calm, classic, alerts only.
Sessions in the chart	false	Up to H1.
Result of every closed trade	true	
Number keys 1-0	true	
Quick bar	true	
Own right-click menu	true	
Position tags in the chart	true	
Journal	true	CSV and screenshot per trade.

> WARNING The stored limits and lock belong to the **account and the magic number**. If you change the magic number, the tool counts as new on this account. Do not use this as a way out of a lock. It removes your own protection.

State

Input	Default	Meaning
Keep lock / status after a restart	true	Leave it on. Off means the guard forgets everything on every restart.
Reset stored status + limits ONCE	false	New challenge. Set back to false.
Lift TODAY's daily lock once	false	Max once in 7 days. Set back to false.

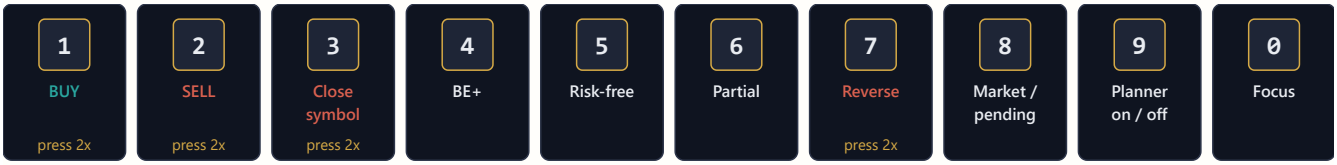
Smart levels

Input	Default	Meaning
Support / resistance zones	true	
Display	Right zone	Short zone, or full lines.
Zones per side	3	Above and below the price.
Key levels	true	Previous day and week, day open.
Band for strong zones	true	
Labels	true	Strength, timeframes.
Min strength	25	0 to 100.
Bars per timeframe	300	
Swing: bars on each side	3	
Timeframe 1, 2, 3	H1, H4, D1	
Zone line: bars left / into the future	14 / 3	
Colors		Resistance, support, key levels.

CHAPTER 31

Keys and mouse

Number keys



The number keys.

Key	Action	Note
`1`	BUY with the plan	Press twice within 1.2 s
`2`	SELL with the plan	Press twice
`3`	Close this symbol	Press twice
`4`	BE+	Selected position, or all on the symbol
`5`	Risk-free	Selected position, or all on the symbol
`6`	Partial close	Selected position, or all on the symbol
`7`	Reverse	Press twice. No stop or target.
`8`	Market or pending	
`9`	Planner on or off	
`0`	Focus mode	

Other keys

Key	Action
`-`	Fold or unfold the panel
`Esc`	One step back: field, menu, selection, page
`Del`	Over a pending tag: delete that order
`Enter`	Confirm a typed value

Main row and numeric keypad both work. Nothing happens with `Ctrl` or `Alt` held, or while you type in a field.

Mouse

Where	Action	Result
BUY, SELL	Hold 0.4 s	Sends the order. Let go early = nothing.
Blocked BUY, SELL	Click	Shows the reason.
Planner line or card	Drag	Moves that price.
Entry line	Drag	Moves the plan, makes it pending.
Planner box	Drag	Moves it sideways. Pending: also up and down.
Box edge	Drag	Changes the width.
Card	Double-click	Type pips or a price.
Position tag	Click or right click	Selects it and opens the menu.
Position tag	Wheel down	Reduces by one lot step, if enabled.
Pending tag	Click	Order menu.
Pending tag x	Click	Deletes the order.
Free chart	Right click	Smart RR menu at that price.
Trades page	Wheel	Scrolls.
Any button	Point	Explanation.
S/R zone	Point	Why the zone exists.
Result dot	Point	Side, result, time.

PLAN

- Drag lines. Double-click a card to type.
- 1R 2R 3R for the target.
- SMART: stop and target at zones.
- Dots: EV, TP×, BE.

SEND

- Hold BUY or SELL.
- `1` `1` buy. `2` `2` sell.
- Right click: limit or stop here.
- `8` market or pending.

MANAGE

- Click a tag: menu and planner.
- `4` BE+. `5` risk-free. `6` partial.
- `3` `3` close. `7` `7` reverse.
- `Esc` lets go.

SEE

- `9` planner. `0` focus. `-` panel.
- Gear: settings.
- Trades, Calendar, News at the bottom.

GUARD

- Day stop at 60 % of the daily limit.
- Lock at 100 %.
- A lock survives restarts.
- Limits only get stricter.

WAY OUT

- Daily lock ends with the new day.
- F7: Lift TODAY's daily lock, once in 7 days.
- F7: Reset stored status, new challenge.
- Set them back to false.

CHAPTER 32

What the messages mean

Listed by where you meet them. The word after **Blocked:** tells you the exact reason.

Why BUY and SELL do not work

Message	Meaning	What to do
CONFIRM THE LIMITS	The assistant is not finished.	Finish it.
DAILY LIMIT	Daily lock.	Wait for the new day.
MAX DRAWDOWN	Account lock.	Chapter 19.
EMERGENCY BRAKE	Early account lock.	Chapter 19.
COOLDOWN	Break after losses.	Wait for the countdown.
OUTSIDE TRADING HOURS	Your hours do not cover now.	Check the time in **Settings → Goals**.
DAY GOAL REACHED	Your goal is secured.	Done for today.
DAY STOP	60 % of the daily limit used.	Done for today.
TRADE LIMIT	Trades of today are used up.	Done for today.
NEWS LOCK	An event is close.	Wait for the countdown.
SPREAD	Spread above your limit.	Wait.
Plan invalid: price is beyond the stop	Market passed your stop, or lines are on the wrong side.	Move stop and target.
Safe mode: no buffer left today	No room left.	Done for today.
Lot size is 0	Plan invalid, or no risk money.	Check plan and risk.
Min lot risks ..., safe mode allows ...	Even the smallest lot is too big.	Tighter stop, or safe mode off.
Open risk would exceed ...	Too many open stops.	Reduce a position or move a stop.
Margin level would drop below ...	Too little margin.	Smaller size.
Stop or target too close	Broker stop level.	Move them away.
Entry too close to the price	Pending too close to the market.	Move it, or use market.
Negative expectancy ...	Plan does not pay at your win rate.	Hold again to trade anyway.
No price yet	No tick received yet.	Wait, or check the connection.

Orders and positions

Message	Meaning
Order rejected: ...	The broker refused. The text is the broker's reason.
Only 2 of 3 targets placed: ...	One part was refused. Check Trades.
Netting account: partial targets need a hedging account	One trade with the full TP was sent instead.
Position selected ...	Keys and planner now act on it.
Smallest step is ... lots	The typed amount is too small.
The rest would be below the minimum lot	Close it fully instead.
Position too small to close partially	The part is below the minimum lot.
Positions cancel out	Buys and sells are equal, so there is nothing to reverse.
Phone trade ... protected: SL ...	Your phone trade got a stop.
Phone trade ... lots above the max closed	Size was cut.
OCO: 2 pending order(s) deleted	A fill removed the other orders.
Auto partial at 1R: ... lots closed	Automatic partial close.

Settings

Message	Meaning
Protection only gets stricter	This step would loosen a limit. Chapter 19.
Not possible while a lock or a break runs	No Free mode now.
Funded only after the challenge is passed	Reach the target first.
Click again: mode ...	Second click confirms.

Top strip and the Experts log

The **Experts** tab in the Toolbox shows some notes as well:

Log text	Meaning
a looser limit in the inputs was ignored	You tried to loosen an input. The stored value holds.
free mode is not possible while a lock or break runs	The input for Free was refused.
stored status and limits reset	The reset worked. Set the input back to false.
today's daily lock lifted	It worked. Set the input back to false.
daily lock NOT lifted - only once every 7 days	It is too soon. The date of the last time is in the log.
trailing stop not set	The broker refused a change. The reason follows.

CHAPTER 33

Troubleshooting and questions

Getting it to run

Nothing happens when I hold BUY. Check in this order: the Algo Trading button in the toolbar is green; **Allow Algo Trading** is ticked in the EA's Common tab; the market is open; the line under BUY and SELL shows no reason.

The panel is too big for my chart. Lower the size in **Settings** → **Display**, or fold the panel with `-`.

My right-click menu has gone. Use the last item, **MT5 menu**, or turn off **Own right-click menu**.

Keys do nothing. Click once on the chart so that it has the focus. Check **Settings** → **Display** → **Number keys**.

The planner is not there. Press `9`. If you scrolled back in time, press `End`.

The candle colors changed. Turn off the input `DRX candle colours`. On removal your own colors return.

The tool does not click in the Strategy Tester. Correct. MT5 does not pass clicks to an EA in the tester. There the demo opens small trades by itself, so that you can see the display, and the message line says so. For the real feel, rent it for a month and try it on a demo account.

The numbers

My daily loss differs from my provider's. Check the reset hour first, then `Daily loss counted from`, then the start capital. See chapter 18.

The start capital is wrong. Enter the correct value in the input `Start capital for the limits`.

The lots look too small. Safe mode may be cutting them. Look for **SAFE** on the entry card. Also check the risk base, because "% of equity" and "% of start capital" differ after a good or bad run.

The lots do not change when I move the stop. You have the risk base **Fixed lots**.

The pass chance is 0 %. Your EV may be negative, or your limit too close, or the risk too high for the target. On a fresh account with few trades, check `Your win rate`.

Why is the win rate in the calendar different from the planner's? See chapter 24.

R in the result marks seems wrong. R comes from the first stop of the position. A position opened without a stop has no R until it gets one.

Lock and limits

I hit the daily limit by mistake. What now? It ends with the next trading day. For a real mistake, there is `Lift TODAY's daily lock once`, once in 7 days. See chapter 19.

I want to loosen a limit. It is not possible during a period, by design. For a new period, use the reset.

Can the guard close my other EA's trades? Yes, at a lock it closes everything on the account.

Does the guard work when my PC is off? No. Use a VPS, or leave the terminal running. Your stops at the broker work anyway.

Do I need it on each symbol? No. One chart guards the whole account. But the planner works only on the chart it sits on, and management such as trailing acts on that chart's symbol.

Does restarting the terminal lift the lock? No. The lock is stored, and it comes back at the next start.

The trade limit counts trades I did not open with the tool. `Count manual trades too` is on by default. Turn it off if you want only Smart RR trades to count.

Trading

Which symbols work? All that your broker offers and that MT5 can calculate a tick value for: forex, gold, indices, oil, crypto, stocks.

Does it work with hedging and netting? Yes. Partial targets need hedging.

Why did my partial targets come out as one trade? The account is netting, or the lots are too small to split.

Can I use it next to my own EA? Yes. Smart RR leaves other EAs alone, except at a lock. Give the other EA a different magic number. Management acts only on Smart RR's trades and manual trades.

Can I use my own indicators? Yes. Only one EA can run per chart, which is a rule of MT5, so use a second chart for another EA.

BE+ says "not far enough in profit". The stop would have to be on the wrong side of the market. Wait for the price to pass that level.

The trailing stop did not move. Check: it is on; the position is past the start R; MT5 is running; the method has a value (a fractal needs time to form).

My pending order filled during the news lock. The lock blocks sending, not filling. Delete pending orders before news.

Prop firms

Is this allowed at my prop firm? It depends on the firm and the account. Ask them, and read the rules on EAs and trade managers.

Which profile is right for my firm? Use the one that matches your rule numbers, or Custom. The profiles are generic.

Is the tool a copy trader? No. It works on one account.

Updates and support

Do I keep my settings after an update? Yes.

Where can I ask for help? Write to me through the comments of the product page on the MQL5 Market, or by private message. Include the mode, your broker, a screenshot, and the Experts log.

CHAPTER 34

Limits of the tool

You should know what the tool cannot do before you rely on it. All of it in one place.

Technical

- **MT5 must run.** Lock, day counting, trailing, auto BE+, auto partial, BE after TP1, alarms, time rules and phone protection only work while the terminal runs, is connected and has Algo Trading on. Stops and targets at the broker work anyway.
- **Closing is a market order.** At a lock, positions close at the next available price. In a fast market, on a gap, on a weekend open or during an outage, the loss can pass your limit.
- **The equity peak** is only tracked while the tool runs.
- **Spread and slippage.** A stop is not a guaranteed price, unless your broker sells it as such. A real loss can exceed 1R.
- **Tester.** Clicks do not reach an EA in the Strategy Tester, and the news calendar is not available there.
- **Netting accounts** cannot use partial targets.
- **One EA per chart** is a rule of MT5.
- **State in the terminal.** Limits and lock live in MT5's global variables on that machine. They do not travel to a second computer, and they are not moved along to MQL5 VPS services. Install and set up the tool on the terminal that actually runs.
- **MetaTrader 5 only.**

Prop-firm rules

- The tool does not read your provider's rules. You enter them. The profiles are templates.
- Your provider's server is the reference, not the tool's numbers. Time zones, equity or balance basis, commission and slippage can differ.
- **Consistency** is a display.
- **Minimum trading days** are counted by the tool's definition. Your provider's definition may differ.
- Rules such as "no hedging", "no martingale", "no copy trading" or "news window based on our calendar" are not checked.
- Some providers restrict Expert Advisors. Check first.

Numbers

- **Pass chance, EV and Kelly** are estimates from past trades. They assume the future looks like the past, and every trade is a clean win or loss.
- **S/R strength** is a ranking on the visible zones, not a probability.

What the tool will not do

- It does not find trades for you.
- It does not know whether your idea is good.
- It does not replace a trading plan.

Risk note

Trading leveraged products involves a high risk of losing money. Past results and simulated numbers do not guarantee future results. Smart RR is a software tool. It gives no investment advice, and it makes no promise of profit, of passing a challenge or of keeping an account. You decide on every trade, and you are responsible for it. Test everything on a demo account first.

CHAPTER 35

Glossary

Word	Meaning
ATR	Average True Range: the usual size of a bar over the last 14 bars.
Balance	Account value without open positions.
BE+	Stop at entry plus costs.
Break	Pause after losses in a row. Also called cooldown.
Buffer	Money left before a limit. On the Calendar page: losers left before the max drawdown.
Challenge	A prop firm's evaluation.
Consistency	Best day as a share of total profit.
Cooldown	See Break.
Daily limit	The most you may lose in one trading day.
Day stop	The soft stop at 60 % of the daily limit.
Drawdown	Fall of the equity from a reference.
Equity	Balance plus open profit and loss.
EV	Expected value: the average result per trade, in R.
Floor	The equity level at which the max drawdown locks the account.
Funded account	An account given by a prop firm after a challenge.
Hedging account	An account that may hold several positions on one symbol.
Kelly	A formula for the share of capital that grows fastest in theory.
Key level	A level such as the previous day high.
Lock	The hard stop after a limit.
Lot	Unit of position size.
Magic number	A number that marks which EA placed a trade.
Market order	An order filled at the current price.
Monte Carlo	Trying a random process many times to estimate a chance.
Netting account	An account with one position per symbol.
OCO	One cancels the other.
Partial close	Closing a part of a position.
Payout	Money withdrawn from a funded account.
Peak	The highest equity so far.
Pending order	An order waiting for a price: buy stop, buy limit, sell stop, sell limit.
Pip	Common price unit on forex.

Word	Meaning
Point	The smallest price step of a symbol.
Profit factor	Sum of wins divided by sum of losses.
Prop firm	A company that lets traders use its capital under rules.
R	The risk of a trade. 1R is the loss at the stop.
Reward:risk	Distance to the target divided by distance to the stop.
Risk-free	A partial close so large that the rest cannot lose money at its stop.
Safe mode	Limits one loss to a share of today's remaining room.
Server time	Time of your broker's server, shown in the top strip.
Slippage	The difference between the price you wanted and the price you got.
SL / TP	Stop loss, take profit.
Spread	The gap between bid and ask.
Start capital	The account value your limits are measured from.
Stop level	The broker's minimum distance for stops and pending orders.
Tick value	Money per lot for one tick of price.
Trailing stop	A stop that follows the price.
Win rate	Share of trades in profit.