

MultiAsset SuperTrend Trader Pro

User Guide

Expert Advisor for MetaTrader 5. It trades up to 10 instruments at the same time from one chart, opens positions on a signal (SuperTrend, moving averages or a rebound from a local low), lets only the signals in the direction of the trend through, sizes every position from the risk, limits the risk of the whole portfolio and can protect each instrument with a hedge.

Version 2.0 · Document date: 5 November 2026 · Seller on mql5.com: investingtrek

Copyright © investingtrek: https://www.mql5.com/en/users/investingtrek
Seller page: https://www.mql5.com/en/users/investingtrek/seller

Contents

1. What the EA Does
2. Requirements and Installation
3. How One Trade Works
4. All Inputs

4.1 Language · 4.2 General · 4.3 Slots · 4.4 Money management · 4.5 Position management · 4.6 Stop Loss · 4.7 Signal indicators · 4.8 Trend filters · 4.9 Entry distance from SuperTrend · 4.10 Hedge · 4.11 Trading time · 4.12 Trailing Stop · 4.13 Panels · 4.14 Chart lines · 4.15 Alerts · 4.16 Journal

5. Panels, Chart and Journal
6. Practical Tips
7. Risk Warning

1. What the EA Does

MultiAsset SuperTrend Trader Pro manages a **portfolio of up to 10 instruments** from a single chart: indices, gold, oil, cryptocurrencies, currency pairs or shares, whatever your broker offers. Each instrument sits in its own **slot**, with its own lot, Take Profit, minimum profit and hedge. The trading logic (signal, filters, Stop Loss, risk) is common for all slots.

For every instrument the EA goes through the same steps on each tick:

1. **Entry signal** on the signal timeframe: a SuperTrend turn, the close crossing an EMA, a fast EMA crossing a slow EMA, or a rebound from a local low (for shorts: from a local high).
2. **Trend filters 1–3** (optional): SuperTrend, close vs EMA or ADX on any timeframe, for example the daily chart. A long signal passes only if every active filter says the trend is up.
3. **Distance from the SuperTrend line** (optional): no entry too close to or too far from the line.
4. **Time, day and spread filters** (optional) for entries.
5. **Position limits:** maximum number of positions per instrument and a minimum number of candles between entries.
6. **Stop Loss and lot:** the Stop Loss is placed (percent, recent low, previous candle or SuperTrend line) and the lot follows from the % of the EA capital you accept to lose, or it is a fixed lot per slot.
7. **Portfolio risk cap:** the risk of all open positions to their Stop Loss plus the new one may not exceed the limit.

Open positions are closed by the closing signal (optionally only with a minimum profit), by the Take Profit, by the Stop Loss, by the Trailing Stop or by the optional Friday close. A slot with a hedge opens an opposite position of the same volume when its hedge source (EMA or SuperTrend) turns against the positions, and closes it when the trend returns.

> **Settings and instruments**
> The default inputs are a starting point, not a promise of results. Different instruments move differently: test every set of instruments and settings in the MT5 Strategy Tester and on a demo account before using it on a live account.

2. Requirements and Installation

2.1 Requirements

- MetaTrader 5. Long and short trading works on every account type. The **hedge** needs a **hedging** account; on a netting account it is switched off automatically.
- The instruments of the slots must be visible in Market Watch with enough history on the timeframes you use (signal, filters, Stop Loss, hedge). The EA tells you in the journal when a symbol is missing.
- Symbol names depend on the broker: US100, NAS100, USTEC, US100.pro and similar. Enter the names exactly as your broker shows them.
- Any chart can be used to start the EA. The lines on the chart are drawn for the symbol of that chart.

2.2 Installation

1. Copy the .ex5 file to the MQL5\Experts folder of the terminal (File → Open Data Folder), or install it from the MQL5 Market.
2. Add the instruments you want to trade to Market Watch (Ctrl+M).
3. Open any chart and drag the EA from the Navigator onto it.
4. On the Inputs tab choose **EA language**, fill in the **Symbol – slot N** inputs, choose the position size method and the risk. Optionally load a .set file (Load button).
5. Turn on Algo Trading in the terminal and allow algorithmic trading for the EA (Common tab).
6. Check the Experts tab of the journal: at start the EA lists the slots, the tick size and tick value of every instrument and any problem. Then check the SETTINGS and POSITIONS panels.

> **Before live trading**
> Test your settings in the MT5 Strategy Tester and on a demo account before you use a live account.

3. How One Trade Works

Example with the default inputs (SuperTrend 10 / 3.5 on H1, filter Close vs EMA 20 on D1, Stop Loss at the last D1 low, 0.5% risk per trade, portfolio cap 4%, long positions only):

1. At the close of an H1 candle the SuperTrend of an instrument turns up: buy signal.
2. The filter checks the daily chart: the price is above the EMA 20 D1, so the trend is up and the signal passes. If the price were below the EMA, the signal would be rejected and the journal would show the reason.
3. The EA checks the limits: no open long position on this instrument yet (max. 1), at least 5 H1 candles since the last entry, entry hours and days allowed.
4. The Stop Loss goes slightly under the last local low of the daily chart in the last 50 candles. The lot is chosen so that a fall to the Stop Loss costs 0.5% of the EA capital.
5. The portfolio cap is checked: risk of all open positions plus this one ≤ 4%. Then the position opens and the journal writes the signal with the result.
6. The position stays open until the SuperTrend H1 turns down (closing signal) or the Stop Loss is hit. With “Close on signal only in profit?” = true it closes on the signal only when it has the minimum profit of its slot.

4. All Inputs

The inputs are described in the order of the MT5 Inputs window, with the labels the window shows. “Default” is the value of the EA without a loaded .set file. Lines like “===== SLOT 1 =====” or “>>>> … >>>>” are only section headers.

4.1 Language

Input (MT5 window)	Default	What it changes in the strategy
EA language (panels, journal, alerts)	English	Language of everything the EA shows: both panels, the journal (Experts tab and log file) and alerts. Choices: English, Deutsch, Espanol, Polski. The labels in the MT5 Inputs window always stay in English, and set files work in every language.

4.2 General settings

Input (MT5 window)	Default	What it changes in the strategy
Magic Number	987	Number that marks the positions of this EA. Use a different number for every copy of the EA on the account.
Magic Number for hedge positions (must differ)	988	Separate number for the hedge positions, so the EA can tell them from the main positions. It must differ from the Magic Number.
Slippage in points	5	Allowed price slippage when an order is filled.
Use a spread filter when trading?	false	true: no new entry while the spread of the instrument is wider than the limit below. Position management (closing, trailing) is not affected.
Max accepted spread in percent of price	0.013	Spread limit as % of the price, so one value works for instruments with very different prices.

4.3 Slots 1–10

Every slot has the same nine inputs (N = 1 … 10). The default list contains US100, US500, DE30, EU50, gold, WTI oil, JP225, BTCUSD and silver in the naming of one broker; slot 10 is empty. A symbol your broker does not have is skipped (entry in the journal); if none of the symbols exists, the EA trades the chart symbol with the settings of slot 1.

Input (MT5 window)	Default	What it changes in the strategy
Symbol - slot N (empty = slot not used)	see above	Instrument traded in this slot, exactly as the broker names it. Leave it empty to switch the slot off. The same symbol cannot be used in two slots.
Hedging - slot N	No hedging	Protection of this instrument with a hedge: No hedging, Hedge on EMA or Hedge on SuperTrend (parameters in section 4.10). Requires a hedging account.
Fixed lot - slot N (0 = min. lot of the symbol)	0	Lot of every position of this slot when the position size method is the fixed lot. 0 = the minimum lot of the instrument.
Tick size - slot N (0 = auto)	0	0 = the EA uses the broker value; when the broker gives none, 1 point. Enter a value only to override it.

Input (MT5 window)	Default	What it changes in the strategy
Tick value - slot N (profit curr., 0 = auto)	0	Value of one tick for 1 lot, in the profit currency of the instrument. 0 = the broker value, or the EA calculates it itself (terminal profit calculation, or Contract size × Tick size × exchange rate) and converts it to the account currency. An Alert appears only when the value cannot be found; without it the instrument is not traded with the lot from risk.
Min. profit type - slot N (profit-only close)	% of open price	Unit of the minimum profit below: % of the open price or points.
Min. profit - slot N (% of open price or points)	0.2	Minimum profit a position of this slot must have to be closed by the closing signal. Used only when “Close on signal only in profit?” = true. A higher value keeps positions through small counter-moves.
Take Profit method - slot N	No Take Profit	Fixed profit target of the slot: No Take Profit, as % distance from open price or in points. Without a Take Profit the exit comes from the signal, the Stop Loss or the trailing.
Take Profit value - slot N (% or points)	0	Distance of the Take Profit from the open price, in the unit chosen above.

4.4 Money management

Input (MT5 window)	Default	What it changes in the strategy
% of account capital for this EA (1-100)	100	Part of the account the EA treats as its capital. The risk per trade, the portfolio cap, the share of free margin and the start of the equity curve are measured against it. Use less than 100 when other EAs or manual trades share the account.
Account capital: balance or equity	Balance	Basis of the EA capital: Balance (closed trades only, stable) or Equity (includes floating results, reacts to losses at once).
Position size (fixed lot per slot / % risk)	Autolot: By % Balance Risk	Fixed Lot Size: every position has the fixed lot of its slot. Autolot: the lot is calculated from the risk below and the distance to the Stop Loss, so every trade risks the same part of the capital regardless of the instrument.
% of EA capital risked per trade (risk lots)	0.5	Loss you accept for one position if it hits the Stop Loss, in % of the EA capital. A higher value means larger lots and larger swings of the account.
% of EA capital: max. risk of the whole portfolio	4	Maximum sum of the losses to Stop Loss of all open positions plus the new one. When the limit is reached, new signals are rejected until risk is released (a position closes or its Stop Loss moves into profit). Positions without a Stop Loss have no measurable risk and are not counted.

4.5 Position management

Input (MT5 window)	Default	What it changes in the strategy
Trade long positions?	true	Allows buy positions.
Max nr of Long positions per asset	1	How many buy positions one instrument may hold at the same time. More than 1 lets the EA add positions on following signals.
Trade short positions?	false	Allows sell positions. Shorts use the same logic in mirror image (signal down, filters down, Stop Loss above the price).

Input (MT5 window)	Default	What it changes in the strategy
Max nr of Short positions per asset	1	How many sell positions one instrument may hold at the same time.
Min. candles between entries	5	Minimum number of candles of the signal timeframe between two entries in the same direction on one instrument (counted from the last entry, also if that position is already closed). Prevents several entries on one move.
Close on signal only in profit? (min. per slot)	false	false: every closing signal closes the positions, also at a loss. true: the closing signal closes only positions with the minimum profit of their slot; the others wait for the next signal, the Take Profit, the Stop Loss or the trailing.

4.6 Take Profit and Stop Loss

Input (MT5 window)	Default	What it changes in the strategy
Stop Loss setting method	At recent major price bottom or peak	Where the Stop Loss is placed: No Stop Loss; as % distance from open price; at the recent major bottom (for shorts: peak) on the Stop Loss timeframe; at the previous bar low (lower low of the last two candles of the chart; for shorts: high); at the SuperTrend line. With the lot from risk an entry needs a Stop Loss.
SL distance, % method (% of open price)	1.0	Only with the as % distance from open price method: the distance of the Stop Loss from the entry price, e.g. 1.0 = 1 %. Must be greater than 0 when this method is selected.
SL buffer beyond the level, % (not % method)	0.01	With the other methods: an extra buffer below the low / line (above for shorts), so the stop is not exactly at a level many traders watch. Not used by the % method.
Timeframe for Stop Loss SuperTrend Line	D1	Timeframe of the SuperTrend line and of the recent bottom / peak used for the Stop Loss.
Period for Stop Loss SuperTrend Line	10	ATR period of the Stop Loss SuperTrend. Larger = smoother line.
Multiplier for Stop Loss SuperTrend Line	3.5	Distance of the line from the price in ATR. Larger = wider Stop Loss and, with the lot from risk, a smaller lot.
Candles back to find the last low / high	50	How far back the EA looks for the recent bottom / peak on the Stop Loss timeframe. If there is no local low in this window, the lowest low of the window is used.

4.7 Signal indicators

Input (MT5 window)	Default	What it changes in the strategy
Indicator to open trade	SuperTrend trend change	Entry signal for all slots: SuperTrend trend change; Close crosses Exp. Moving Average; Fast EMA crosses Slow EMA; Price rebound from the local extreme (low for longs, high for shorts). Signals come from closed candles, except the rebound with “Rebound from current price?”.
Indicator to close trade	SuperTrend trend change	Closing signal: the same four methods in the opposite direction, or No Close method (exit only by Take Profit, Stop Loss, Trailing Stop or the Friday close).
Timeframe for trade signal	H1	Timeframe of the signal (and of the candles counted between entries). A higher timeframe gives fewer, slower signals.
>>>> Signal SuperTrend parameters >>>>		

Input (MT5 window)	Default	What it changes in the strategy
Period for Supertrend	10	ATR period of the signal SuperTrend.
Multiplier for SuperTrend	3.5	Distance of the line from the price in ATR. Smaller = earlier but more frequent signals; larger = fewer signals, only bigger moves.
>>>> Signal Moving Averages parameters >>>>		
Slow EMA Period / type / Applied Price	60 / EMA / Close	Slow average for the methods “Close crosses EMA” and “Fast EMA crosses Slow EMA”. The type can also be SMA, SMMA or LWMA.
Fast EMA Period / type / Applied Price	5 / EMA / Close	Fast average for “Fast EMA crosses Slow EMA”.
>>>> Bounce from low parameters >>>>		
Bounce: timeframe of the candles for lows / highs	H1	Timeframe on which the local lows and highs are searched.
Candles back to find the last low / high	100	Search window for the latest local low. No low in the window = no signal.
Number of bars left and right of the extremum	1	How many candles on each side must have a higher low for a candle to count as a local low. Larger = only more significant lows.
Min % rebound from the last low / high	0.25	The price must rise at least this many % from the low before a buy signal appears. Confirms that the low holds.
Max % rebound - above it no chasing (0 = no limit)	0	Above this rebound the signal is ignored, so the EA does not buy far away from the low. 0 = no upper limit.
Entries from one low / high	One entry from one low / high	One entry: every low gives at most one entry (used lows are remembered, also after a restart). Signal lasts: the signal is active as long as the conditions are met.
Rebound from current price? (false = close)	true	true: the rebound is measured from the current price (earlier entry). false: from the close of the last finished candle (confirmed, later entry).
>>>> Bounce from low: RSI filter >>>>		
Require oversold RSI at low (overbought high)?	true	Only lows where the RSI was oversold count (for shorts: highs with an overbought RSI). Filters out shallow pullbacks.
RSI period / RSI applied price	14 / Close	Parameters of the RSI.
RSI oversold level at the low (high: 100 - level)	30	Level the RSI had to reach at the low. For highs the mirror level is used (100 − 30 = 70).
Candles before the low counted (0 = low only)	3	The oversold RSI may also appear on this many candles before the low.
Max RSI pts from level to entry (0 = no limit)	0	The signal expires when the RSI has already moved more than this many points away from the oversold level. 0 = no limit.

4.8 Trend filters

Three independent filters with the same inputs. A signal passes only if **every** active filter confirms its direction. A typical use is the trend of a higher timeframe (for example D1) for signals of a lower one (H1).

Input (MT5 window)	Default	What it changes in the strategy
SuperTrend filters read: closed bar / current bar	Closed bar (no repaint)	Which candle the SuperTrend filters read: the closed candle (stable, no repaint) or the current one (reacts earlier, can change during the candle).
Filter 1 / 2 / 3 Timeframe	D1	Timeframe of the filter.
Filter 1 / 2 / 3: Type	1: Close vs EMA, 2–3: none	No trend filter; SuperTrend Filter (longs only when the SuperTrend points up); Close vs Exp. Moving Average (longs only when the price is above the EMA); ADX Level (entries only when the ADX is above the level, i.e. the market trends; the ADX does not give a direction).
F1 / F2 / F3 Param A (EMA / ST / ADX period)	20 / 50 / 14	Period of the filter: EMA period, SuperTrend ATR period or ADX period.
F1 / F2 / F3 Param B (ST multiplier / ADX level)	0 / 0 / 25	SuperTrend multiplier, or the minimum ADX level. Not used by the EMA filter.

4.9 Entry distance from SuperTrend

Input (MT5 window)	Default	What it changes in the strategy
Enable SuperTrend proximity filter?	false	Entries only when the price is in the direction of a SuperTrend line and at a set distance from it. Avoids buying when the price has already run far away from the line (or is right at it).
Timeframe / Period / Multiplier for proximity SuperTrend line	D1 / 10 / 3.5	Parameters of this SuperTrend line.
Distance measurement method	As % distance	Distance in % of the line or in points.
Min distance from SuperTrend line (0 = no minimum)	0	No entry closer to the line than this.
Max distance from SuperTrend line	1	No entry farther from the line than this.

4.10 Hedge parameters

Used by the slots with “Hedging - slot N” switched on. The hedge of long positions is a sell position of the same volume, without a Stop Loss, with the hedge Magic Number. It stands while the source says the trend is down and closes when the trend returns; its volume follows the volume of the main positions. Shorts are hedged in mirror image.

Input (MT5 window)	Default	What it changes in the strategy
EMA hedge: Timeframe	D1	Timeframe of the EMA hedge. The hedge of longs opens when the last finished candle closes below the EMA.
EMA hedge: Parameter A (EMA Period)	50	EMA period. Shorter = the hedge reacts faster but switches more often.
SuperTrend hedge: Timeframe	D1	Timeframe of the SuperTrend hedge. The hedge of longs opens when the SuperTrend turns down.
SuperTrend hedge: Parameter A (ST Period)	10	ATR period of the hedge SuperTrend.
SuperTrend hedge: Parameter B (ST Multiplier)	3.5	Multiplier. Smaller = earlier hedge, more switching.

4.11 Trading time setup

Input (MT5 window)	Default	What it changes in the strategy
Time Filter setting method	No time filter	No time filter; For opening trades only (entries only in the hours below); For opening and closing trades (outside the hours also the closing signal and the trailing wait). The hours are server time.
Trading start hour / minute	0 / 10	Start of the trading window.
Last trading hour / minute	21 / 55	End of the trading window. A window that ends before it starts runs over midnight.
Trade on Sunday? … Trade on Saturday	Mon–Fri true, Sat–Sun false	Days on which new entries are allowed. Open positions are managed every day.
Close all positions on Fridays?	false	Closes the positions of the EA on Friday at the time below (and no new entries after it), to avoid the weekend gap.
Close on Fridays only positions with profit?	false	true: on Friday only positions in profit close; the others stay over the weekend.
Positions closing hour / minute	21 / 55	Server time of the Friday close.

4.12 Trailing Stop

Input (MT5 window)	Default	What it changes in the strategy
Trailing Stop method	No Trailing Stop	How the Stop Loss follows the price: No Trailing Stop; at the SuperTrend line; as % distance; as points distance; as ATR distance from the current price. The Stop Loss only moves in the direction of the trade.
Use TS only to protect profits?	true	true: the trailing starts moving the Stop Loss only when the new level locks in a profit (beyond the open price).
Minimal trailing step in % of price	0.01	Smallest change of the Stop Loss that is sent to the broker; fewer modifications.
SuperTrend TS Timeframe / Period / Multiplier	chart / 10 / 3.5	SuperTrend line for the SuperTrend trailing.
Trailing distance from current price in percent	0.75	Distance for the % trailing.
Trailing distance from current price in points	200	Distance for the points trailing.
Timeframe for ATR / Period for ATR	chart / 10	ATR for the ATR trailing (distance = 1 × ATR).

4.13 Panels settings

Input (MT5 window)	Default	What it changes in the strategy
Show panels on chart	true	Shows the SETTINGS and POSITIONS panels.
Panel refresh interval (s)	5	How often the panels are rebuilt.
SETTINGS / POSITIONS panel: X / Y position (px)	10 / 30, 450 / 30	Start position of the panels. You can also drag them by the title bar.
… width when auto-width is off (px)	420 / 760	Fixed width when the auto-width below is off.

Input (MT5 window)	Default	What it changes in the strategy
… fit width to content	true	Panel width follows the content.
… expanded at start	SETTINGS false, POSITIONS true	Start state (expanded or collapsed).
Gap between label and value columns (px)	14	Space between the columns.
Panel font size / Panel font (monospaced recommended)	8 / Consolas	Font of the panels; a monospaced font keeps the tables aligned.
Panel background / title bar / border / label / value / section / profit / loss / warning color	dark navy theme	Colours of the panels.
Panel background behind the chart	false	true: the panels are drawn behind the price candles.
Remember panel position and state	true	Keeps the position and the collapsed state, also after a restart.
Collapse panels in tester	false	Collapsed panels in the Strategy Tester (faster visual tests).
Equity curve in POSITIONS panel / height (px) / line color	true / 160 / green	Equity curve of the EA in the POSITIONS panel.
Equity curve: Buy and Hold line (slot symbols)	true	Second line for comparison: a portfolio of the slot symbols in equal parts, bought at the start of the shown range.
Equity curve: Buy and Hold portfolio line color	orange	Colour of that line.
Start capital for P/L % (0 = first start balance)	0	Base of the P/L % in the panel. 0 = the EA capital at the first start of the EA.

4.14 Chart lines (chart symbol)

Input (MT5 window)	Default	What it changes in the strategy
Draw the signal SuperTrend on the chart? / colours up, down	true / blue, magenta	Signal SuperTrend of the chart symbol.
Draw the filter SuperTrend lines on the chart? / colours	true / green, red	SuperTrend lines of the filters.
Draw the filter EMA lines on the chart? / colour	true / gold	EMA lines of the filters.
Lines: candles back	300	How many candles back the lines are drawn.

4.15 Alert settings

Input (MT5 window)	Default	What it changes in the strategy
Show trading alerts?	true	Pop-up alerts for opened positions, opening errors and hedges. Every alert starts with the server date and time; a long message is split into several numbered alerts (1/2, 2/2).

4.16 Journal

Input (MT5 window)	Default	What it changes in the strategy

5. Panels, Chart and Journal

- **SETTINGS panel:** all active settings in plain words: slots, money management, positions, signals, Stop Loss / Take Profit / trailing, filters, hedge, time, and the SPECIFICATIONS section with the tick size and tick value used for every instrument and their source.
- **POSITIONS panel:** profit summary (today, month, year, win rate, profit factor), equity curve of the EA against the Buy and Hold portfolio, the INSTRUMENTS table with the readings of the filters and an **ON/OFF button** for every instrument, and the list of open positions with the hedge and its activation level.
- **ON/OFF button:** switches off new entries on one instrument without changing the inputs; open positions are still managed. The state is remembered.
- **On the chart:** signal SuperTrend, filter SuperTrend lines and filter EMA lines of the chart symbol.
- **Journal:** every entry starts with the server date and time. With “Log entry signals…” you see for every signal why it was taken or rejected; this is the fastest way to understand why the EA did not open a position.
- Panels can be moved, collapsed and scrolled; while the mouse is over a title bar the chart does not scroll.

6. Practical Tips

Situation	What to do
A slot does not trade	Check the journal at start: is the symbol name correct, is the tick value known? Is the ON/OFF button of the instrument ON?
No entry although the signal appeared	Look for the “SIGNAL … REJECTED” line in the journal; it names the filter or limit with its values.
The lot from risk is below the broker minimum	Increase the EA capital or the risk per trade, use a closer Stop Loss, or switch to the fixed lot.
Too many positions at the same time	Lower the portfolio risk cap, the max. positions per asset, or add a trend filter.
Signals too late or too early	Change the signal timeframe and the SuperTrend multiplier, or switch the SuperTrend filters to the current bar.
Several EAs or manual trades on one account	Give each copy its own Magic numbers and lower “% of account capital for this EA”.
Netting account	The EA works without the hedge, with one net position per instrument.

7. Risk Warning

Trading CFDs, currencies and cryptocurrencies carries a high risk of losing capital. The EA follows rules; it does not know the future, and no setting guarantees a profit. Past results and backtests do not guarantee future results. Test every change in the Strategy Tester and on a demo account. This guide describes the functions of the EA and is not investment advice.