

Deep Trend Scroll Pro

User Manual — Multi-Timeframe Synchronized Momentum Indicator for MetaTrader 5

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1. Overview

Deep Trend Scroll Pro is a multi-timeframe momentum indicator for MetaTrader 5. It displays up to nine timeframes — M1, M5, M15, M30, H1, H4, D1, W1 and MN — as a row of compact histogram panels in a single indicator subwindow below your main chart.

Every panel is driven by the same underlying market clock. As you scroll the main chart, all nine mini timeframe panels scroll with it, and a shared vertical line marks the exact same point in time on every one of them simultaneously. This lets you read momentum across the entire timeframe spectrum — from the smallest to the largest — without switching charts, without misaligned candles, and without guessing which bar on one timeframe corresponds to which bar on another.

Key capabilities

- Nine independently toggleable timeframe panels (M1–MN)
- A single synchronized vertical time line linking the main chart to every panel
- A MACD-based momentum engine with an optional OsMA mode
- Two extreme-tracking modes per timeframe (Base and Series) governing how bars are colored
- Full color, sizing and spacing customization
- Two-stage automatic history loading — an initial preload pass plus a background “force-history” pass — with retry logic and on-chart status labels
- A dedicated tester/optimizer performance switch that skips all drawing when the chart isn’t visible

2. Installation

Deep Trend Scroll Pro is distributed as MQL5 source code (.mq5) for MetaTrader 5. If you were given a pre-compiled .ex5 file instead, skip directly to step 5.

1. Download Deep Trend Scroll Pro.mq5
2. In MetaTrader 5, open **File → Open Data Folder**, then navigate to **MQL5 → Indicators**.
3. Copy Deep Trend Scroll Pro.mq5 into the Indicators folder.
4. Restart MetaTrader 5, or right-click **Indicators** in the Navigator panel and choose **Refresh**.
5. In the **Navigator** panel, locate **Deep Trend Scroll Pro** under **Indicators**, and drag it onto any chart.
6. All settings come pre-configured and ready to use — simply click OK to apply the indicator with its default setup. If you'd like to customize timeframes, colors, or any other parameter first, refer to Section 4 below for a full explanation of every setting.

The indicator opens in its own subwindow beneath the main chart.

3. Reading the Panels

3.1 Panel layout

Each visible timeframe is drawn as its own mini histogram panel inside the indicator subwindow, separated by thin vertical divider lines. Panel order is controlled by CurrentFirst (see Section 4.5) — by default the smallest enabled timeframe sits closest to the current price action, with larger timeframes extending away from it.

Each panel independently shows:

- A histogram of momentum bars, colored bullish, bearish or neutral (see Section 3.2)
- A timeframe label
- A time/date label describing the bar under the vertical sync line, formatted to match the scale of that timeframe (seconds on M1, minutes on M5–M30, date and time on H1/H4, and full date on D1, W1 and MN)
- A loading indicator, shown only while historical data for that timeframe is still being retrieved

3.2 How bar colors are decided

Deep Trend Scroll Pro does not simply color a bar by whether momentum is above or below zero. It tracks new extremes inside the current zone, which produces a much more informative read of momentum than a plain positive/negative split:

Color	Meaning
Green	Momentum is above zero and this bar is a new high compared to every bar since momentum last crossed above zero.
Red	Momentum is below zero and this bar is a new low compared to every bar since momentum last crossed below zero.
Gold	Momentum remains in the same zone (positive or negative) but does not exceed the running extreme — a pullback or a fading push, not a fresh impulse.

Every time momentum crosses the zero line, the running high/low resets. The very next bar that qualifies becomes green or red again, and the cycle repeats.

This means a long green run signals sustained, accelerating bullish momentum; a switch from green to gold signals that bullish momentum is still present but has stopped accelerating; and a switch from gold to red signals a full reversal into fresh bearish momentum.

3.3 Synchronized scroll and the vertical time line

This is the core mechanic of the indicator. All nine panels read from a single shared bar clock — moving or scrolling the main chart moves every panel at once, and none of them can drift out of alignment with one another.

A single vertical line is drawn both on the main chart and inside every panel, always marking the exact same instant in time across all of them:

- In real time, the line locks to the current forming bar on the live edge of the chart.
- When you scroll back through history, the line automatically re-anchors to the rightmost visible bar on the main chart, and every mini timeframe panel instantly re-synchronizes to that same bar — so the cross-timeframe alignment stays exact no matter where you are in history. Scrolling is never blocked while background history for a timeframe is still being extended; a status line at the bottom of the subwindow simply notes that history is loading in the background.

Because the line marks the identical timestamp everywhere, you can read off at a glance exactly which M1 bar sits inside the current M5 bar, which M5 bars sit inside the current M15 bar, and so on all the way up to which H4 bars sit

inside the current D1 bar, or which daily bars sit inside the current monthly bar. Combined with the per-panel time/date label, you always know precisely what date and time you're looking at, on every timeframe, at the same time.

4. Full Parameter Reference

Inputs are grouped in the indicator's properties window exactly as listed below.

4.1 Multi-Timeframe Settings

Parameter	Default	Description
TF_M1	true	Show or hide the M1 timeframe panel.
TF_M5	true	Show or hide the M5 timeframe panel.
TF_M15	true	Show or hide the M15 timeframe panel.
TF_M30	true	Show or hide the M30 timeframe panel.
TF_H1	true	Show or hide the H1 timeframe panel.
TF_H4	true	Show or hide the H4 timeframe panel.
TF_D1	true	Show or hide the D1 timeframe panel.
TF_W1	true	Show or hide the W1 timeframe panel.
TF_MN	true	Show or hide the MN (monthly) timeframe panel.

Disable any timeframe you don't trade to declutter the subwindow and reduce processing load.

4.2 New Max/Min Series Settings

Parameter	Default	Description
M1_MaxMinSeries	false	Sets the extreme-tracking mode for the M1 panel.
M5_MaxMinSeries	false	Sets the extreme-tracking mode for the M5 panel.
M15_MaxMinSeries	false	Sets the extreme-tracking mode for the M15 panel.
M30_MaxMinSeries	false	Sets the extreme-tracking mode for the M30 panel.
H1_MaxMinSeries	false	Sets the extreme-tracking mode for the H1 panel.
H4_MaxMinSeries	false	Sets the extreme-tracking mode for the H4 panel.
D1_MaxMinSeries	false	Sets the extreme-tracking mode for the D1 panel.
W1_MaxMinSeries	false	Sets the extreme-tracking mode for the W1 panel.
MN_MaxMinSeries	false	Sets the extreme-tracking mode for the MN (monthly) panel.

Each switch sets Base or Series mode (see below) independently for its own timeframe.

Off (Base mode): every bar that beats the running high or low of the current zone is colored, even if a prior bar in that zone was not itself a new extreme. Momentum can briefly pause and still light up again on its next fresh push.

On (Series mode): only an unbroken run of consecutive new highs (or lows) stays colored. As soon as one bar fails to beat the running extreme, coloring for that zone stops and every following bar is neutral (gold) until momentum crosses zero and a new zone begins.

4.3 OsMA Settings

Parameter	Default	Description
ShowOsma	false	Selects the oscillator that drives the histogram bars.

false (raw MACD): bars plot the MACD line itself (Fast EMA – Slow EMA) — a smoother, more filtered momentum read.

true (OsMA): bars plot OsMA — the difference between the MACD line and its own Signal line. OsMA reacts faster to momentum shifts, making it better suited to traders who want earlier confirmation of a change in trend, at the cost of slightly more noise.

The coloring rules in Section 3.2 apply identically regardless of which oscillator is selected.

4.4 Vertical Line Settings

Parameter	Default	Description
ShowVerticalLine	true	Enable or disable the synchronized vertical time line described in Section 3.3.
VerticalLineColor	Yellow	Color of the vertical sync line on the main chart and inside every timeframe panel.

4.5 Minichart Settings

Parameter	Default	Description
CurrentFirst	true	If true, shows the minichart of the current chart timeframe first. If false, shows minicharts ordered by age, from youngest to oldest.
ChartSpacing	20	Horizontal pixel gap between adjacent timeframe panels.
BarsPerTimeFrame	200	Number of historical bars requested and buffered per timeframe, and the number of bars displayed in each minichart.

4.6 Indicator Settings

Parameter	Default	Description
FastEMA	12	Fast EMA period used in the MACD calculation.
SlowEMA	26	Slow EMA period used in the MACD calculation.
Signal	9	Signal line period, used both for the standard MACD signal and as the basis of OsMA when ShowOsma is enabled.
PriceField	PRICE_CLOSE	Applied price used for the momentum calculation (any standard MetaTrader 5 ENUM_APPLIED_PRICE value).

4.7 Color Settings

Parameter	Default	Description
TxtColor	Silver	Color of timeframe and time/date labels.
SeparatorColor	DimGray	Color of the vertical divider lines between panels.
UpColor	Green	Color of bullish (new-high) bars.
DnColor	Red	Color of bearish (new-low) bars.
NeutralColor	Goldenrod	Color of neutral (non-extreme) bars.

4.8 Shift Settings (do not change these settings)

Parameter	Default	Description
EnableChartShift	true	Enables offsetting the mini-panels to track the current live bar as the main chart shifts. (do not change this setting)
MinWidthBar / MaxWidthBar	3 / 3	Minimum and maximum pixel width of each histogram bar. Equal values keep bar width fixed; a range allows the indicator to scale bar width dynamically. (do not change this setting)
MinBarGap / MaxBarGap	1 / 1	Minimum and maximum pixel gap between adjacent bars, with the same fixed-vs-dynamic behavior as above. (do not change this setting)
equalize	false	When enabled, all panels are scaled to a shared global maximum so bar heights are directly comparable across timeframes, rather than each panel auto-scaling to its own local range. (do not change this setting)
HistoryLineShift	0	Shifts the reference bar used for the vertical sync line and time labels by a fixed number of bars, for advanced alignment adjustments. (do not change this setting)

4.9 History Preload Settings (do not change these settings)

These parameters control the two background processes that fetch chart history: an initial preload pass that must finish before the panels first draw, and an ongoing force-history pass that keeps deepening the available history for as long as the indicator is attached.

Parameter	Default	Description
HistoryPreloadBars	100	Minimum number of bars requested for each timeframe during the initial preload pass, before that timeframe's minichart is considered ready to display.
MinWarmupBars	60	Minimum number of bars reserved for MACD/Signal warm-up on top of the requested history, regardless of HistoryPreloadBars.
PreloadStableTicks	5	Number of consecutive ticks with an unchanged bar count required before a synchronized-but-still-growing timeframe is accepted as ready.

Parameter	Default	Description
PreloadTimeoutSeconds	90	Maximum time, in seconds, the initial preload pass will wait for a timeframe before falling back to whatever history is already available.
PreloadKickRetrySeconds	2	Interval, in seconds, between repeated history requests ("kicks") while a timeframe is still preloading.
ShowLoadingLabel	true	Displays an on-chart status label over any panel that is still loading or has insufficient history.
LoadingTextColor	Orange	Color of the loading / insufficient-history status label.
HistoryExtendBars	300	Number of additional bars requested when scrolling moves a timeframe past the range of history it already has loaded.
HistoryExtendRetrySeconds	3	Delay, in seconds, between automatic retries when the indicator needs to extend available history for a timeframe.
InsufficientHistoryStallRetries	3	Number of consecutive failed retries after which a timeframe is marked as having insufficient history available from the broker.
ForceHistoryBars	5000	Depth of history, in bars, that the indicator aggressively requests in the background for every enabled timeframe after startup, independent of what is currently displayed.
ForceHistoryKickMs	200	Minimum interval, in milliseconds, between successive background force-history requests for the same timeframe.
ForceHistoryStallRetries	6	Number of consecutive background requests with no growth in available bars after which force-history loading for a timeframe is treated as complete (the broker's history limit has been reached).

4.10 Performance Settings

Parameter	Default	Description
MinRedrawIntervalMs	33	Minimum time, in milliseconds, between full indicator redraws (≈ 30 redraws per second at the default value). Raising this value reduces CPU usage on fast-ticking symbols at the cost of slightly less frequent visual updates.
SkipDrawingInNonVisualTester	true	When enabled, the indicator skips all drawing while running inside the Strategy Tester in non-visual mode, since nothing is on-screen to see. This removes unnecessary rendering overhead during backtests and optimization runs; the setting has no effect on a live chart or on visual-mode testing.

5. Frequently Asked Questions

Will it slow down my terminal?

The indicator is built to keep CPU usage low; MinRedrawIntervalMs further limits how often it fully redraws, and SkipDrawingInNonVisualTester eliminates drawing entirely during non-visual backtests and optimizations. It remains efficient even with several timeframes and symbols open at once.

Can I use it on any broker or symbol?

Yes. It works on any MetaTrader 5 broker feed and any symbol — Forex, indices, crypto CFDs, metals and more — subject to your broker providing sufficient history for the timeframes you enable.

Can I hide timeframes I don't trade?

Yes. Each of the nine timeframes (M1–MN) has its own on/off switch under Multi-Timeframe Settings.

Why does a panel show a loading message?

If a timeframe doesn't yet have enough bars available from your broker, the indicator automatically requests more history in the background and shows a status label until the data is ready. This is controlled by ShowLoadingLabel together with the timing parameters in Section 4.9 (HistoryPreloadBars, PreloadTimeoutSeconds, HistoryExtendRetrySeconds and InsufficientHistoryStallRetries).

What's the difference between raw MACD and OsMA?

Raw MACD (ShowOsma = false) is the difference between the fast and slow EMA — a smoother, more filtered momentum line. OsMA (ShowOsma = true) is the difference between that MACD line and its own Signal line, reacting faster to momentum shifts at the cost of some extra noise.

Can I run several copies of the indicator on the same chart at once?

Yes — for example one copy with ShowOsma = true and another with ShowOsma = false. Each instance automatically gets its own internal object prefix and subwindow, so multiple copies don't conflict with each other.

*Deep Trend Scroll Pro is developed and supported by Deep Crypto Forex Trading Group.
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