

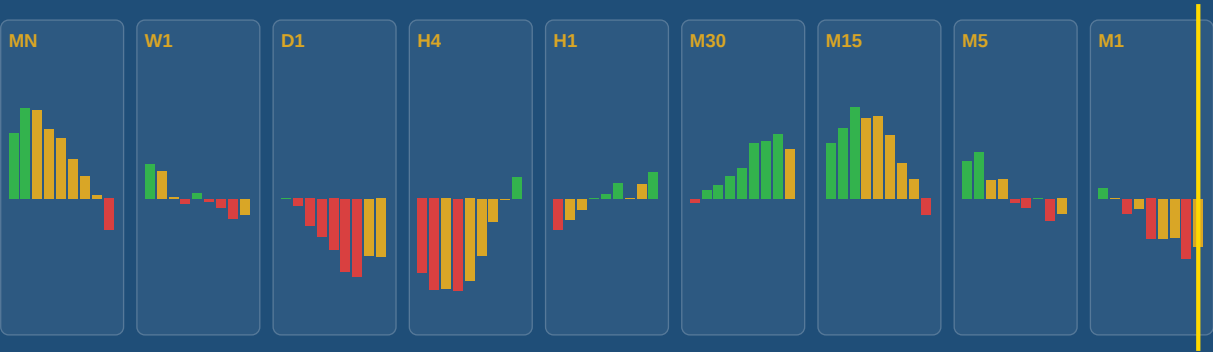
Deep Trend Scroll Pro

User Manual

Multi-Timeframe Synchronized Momentum Indicator for MetaTrader 4

Version 8.31

SYNCHRONIZED SCROLLING ACROSS ALL TIMEFRAMES



Nine timeframes

M1, M5, M15, M30, H1, H4, D1, W1 and MN as compact histogram panels in one subwindow.

Synchronized scroll

One shared bar clock and one vertical time line link the main chart to every panel.

Max/Min Series filter

Base or Series coloring, set independently for every timeframe.

Product	Deep Trend Scroll Pro — multi-timeframe synchronized momentum indicator
Platform	MetaTrader 4 (MQL4 / .ex4)
Version	8.31
Publisher	Deep Crypto Forex Trading Group
Website	www.deep-crypto-forex.com

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1. Overview

Deep Trend Scroll Pro is a multi-timeframe momentum indicator for MetaTrader 4. 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.

Behind every bar is one clear rule. For each timeframe the indicator builds a MACD momentum histogram (Fast EMA minus Slow EMA, or OsMA if selected) and tracks **new extremes inside the current momentum zone**: a green bar is a new high above zero, a red bar is a new low below zero, and a gold bar is a pullback or a fading push. Each time the histogram crosses zero the running extreme resets and the cycle starts again.

The key mechanism: one synchronized scroll

All nine panels read from a single shared bar clock, and one vertical line marks the identical instant in time on the main chart and inside every panel. When you scroll back through history, the line re-anchors to the rightmost visible bar and every timeframe follows at once. Section 3.2 explains the mechanism in detail.

Key capabilities

- **Synchronized multi-timeframe panels**: nine independently toggleable timeframes, M1 to MN, in one subwindow
- A single synchronized vertical time line linking the main chart to every panel
- Synchronized history scrolling — scroll the main chart back through history and all nine timeframes follow instantly, locked to the same point in time
- A MACD-based momentum engine with a selectable **OsMA mode** for faster, earlier confirmation of trend changes
- Three-color bar logic: green for new highs, red for new lows, gold for non-extreme bars
- **Max/Min Series filter** — Base or Series coloring is set independently for every timeframe, separating sustained impulses from weak, interrupted moves
- Per-panel time/date label formatted to the scale of its timeframe
- Clear history status messages when a timeframe has missing data
- All panels drawn on a single canvas bitmap for low CPU usage
- A manual delay control for usable Strategy/Indicator Tester playback at any speed setting
- Works on any MT4 broker feed and any symbol

2. Installation

1. Download **Deep Trend Scroll Pro.ex4**.
2. In MetaTrader 4, open **File > Open Data Folder**, then navigate to **MQL4 > Indicators**.
3. Copy **Deep Trend Scroll Pro.ex4** into the **Indicators** folder.
4. Restart MetaTrader 4, 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 would like to customize the timeframes, colors or any other parameter first, refer to Section 5 for a full explanation of every setting.

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

3. The Core Mechanic — How the Engine Works

Every bar in Deep Trend Scroll Pro is colored by the same per-timeframe rule, and every panel is aligned to the others by the same shared clock. Understanding both takes a few minutes and explains everything you see in the subwindow.

3.1 The momentum state of one timeframe

For each timeframe the indicator calculates two exponential moving averages of the applied price (by default 12 and 26 periods, on the close) and plots their difference — the MACD line: **Fast EMA - Slow EMA**. With ShowOsma enabled it plots OsMA instead (Section 3.4). The stretch between two zero crossings is called a *zone*. Inside a zone the indicator remembers the running extreme — the highest value in a positive zone, the lowest in a negative zone — and assigns every bar one of three states:

State	Meaning
Bullish (green)	Momentum is above zero and this bar is a new high compared with every bar since momentum last crossed above zero.
Bearish (red)	Momentum is below zero and this bar is a new low compared with every bar since momentum last crossed below zero.
Neutral (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 or low resets. The very next bar that qualifies becomes green or red again, and the cycle repeats.

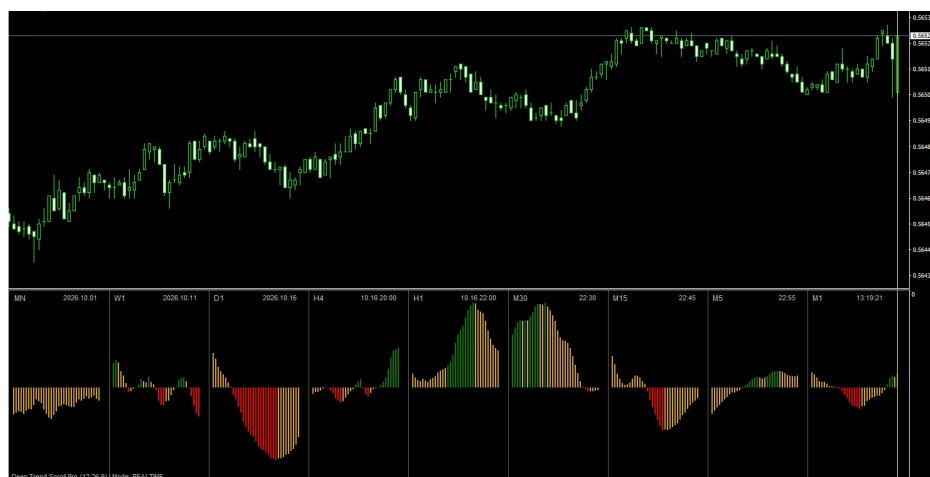
This means a long green run signals sustained, accelerating bullish momentum; a switch from green to gold signals that bullish momentum is still present but has stopped accelerating; and a switch from gold to red signals a full reversal into fresh bearish momentum.

3.2 Synchronized scroll and the vertical time line — the key mechanism

This is the defining mechanic of Deep Trend Scroll Pro. 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.



Deep Trend Scroll Pro on a live chart: price chart on top, nine timeframe panels in a row below (here ordered MN to M1), and one vertical line through the rightmost bar of the price chart and of the panels.

What this means in practice

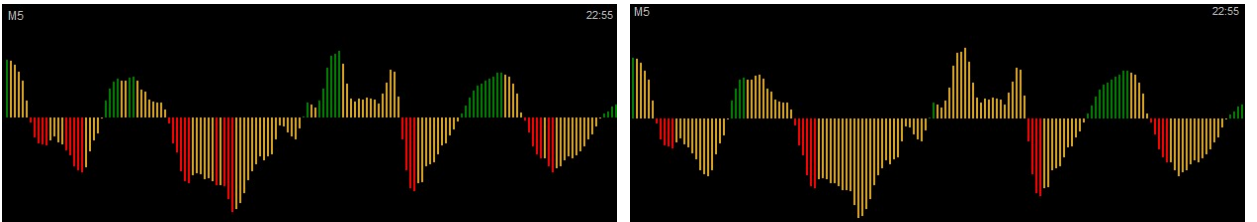
- **No misalignment.** The panels cannot drift apart from each other or from the main chart — in history or in real time.
- **Exact cross-timeframe reading.** You can see which M1 bar sits inside the current M5 bar, which M5 bars sit inside the current M15 bar, and so on all the way up to which H4 bars sit inside the current D1 bar, or which daily bars sit inside the current monthly bar.
- **Always know where you are.** Combined with the per-panel time/date label, you always know precisely what date and time you are looking at, on every timeframe, at the same time.
- **History is navigable.** Scroll the main chart back and all nine timeframes follow instantly, locked to the same point in time.

Rule of thumb

The vertical line marks one timestamp everywhere. Whatever bar sits under the line on the main chart is the bar each panel is showing — so panels with different timeframes are always compared at the same instant.

3.3 The Max/Min Series filter

Normally every bar that beats the running extreme of the zone is colored — including a new push after a pause inside the same wave. When **Max/Min Series** is switched on for a timeframe, that panel colors only the first uninterrupted series of new maximums (above zero) or new minimums (below zero). The first bar that fails to set a new extreme locks the zone, and every following bar is neutral gold until momentum crosses zero. The switch is independent for each timeframe, so Base and Series panels can be combined freely in one configuration.



Max/Min Series — Off (default): Base mode. Every bar that beats the running extreme is colored.

Max/Min Series — On: Series mode. Only the first unbroken run of new extremes stays colored.

Situation inside one zone	Base mode (default)	Series mode
First bar after zero cross	Colored (green / red)	Colored (green / red)
Each consecutive new extreme	Colored	Colored
Bar without a new extreme	Gold (pullback)	Gold — the zone is locked
Later breakout of the old extreme	Colored again	Stays gold until the zone changes
Zero cross (zone change)	Running high / low reset	Running high / low and lock reset

3.4 MACD and OsMA modes

The oscillator that drives the histogram is selected with **ShowOsma**. The coloring rules of Section 3.1 apply identically to both.

Mode	What the bars plot	Character
MACD (ShowOsma = false)	The MACD line itself (Fast EMA - Slow EMA).	A smoother, more filtered momentum read.
OsMA (ShowOsma = true)	The difference between the MACD line and its own Signal line.	Reacts faster to momentum shifts and gives earlier confirmation of a change in trend, at the cost of slightly more noise.

4. Reading the Indicator

4.1 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** (Section 5.5). Each panel independently shows:

Element	What it shows
Histogram	Momentum bars for that timeframe, colored bullish (green), bearish (red) or neutral (gold) — see Section 3.1.
Timeframe label	The name of the timeframe (M1, M5, M15, M30, H1, H4, D1, W1, MN).
Time/date label	The time or date of the bar under the vertical sync line, formatted to match the scale of that timeframe (see 4.2).
Status message	Shown only while historical data for that timeframe is missing (see 4.3).

4.2 The time/date label

The label under the vertical line tells you which bar you are looking at. Its format is scaled to the timeframe of the panel:

Timeframe	Label format
M1	Seconds
M5, M15, M30	Minutes
H1, H4	Date and time
D1, W1, MN	Full date

4.3 History status messages

When you scroll far back in time, a timeframe may not have enough bars for that position. In this case the panel shows **Loading...** for a moment, and then the indicator tells you why the data is missing. The check repeats every second, so as soon as enough bars are available the message disappears and the histogram is drawn automatically. Each panel reports its own status, so one timeframe can show a message while the others keep working normally.

Cause	Message on the panel	What to do
The history of this timeframe has not been downloaded.	Please download history and restart terminal	Download the history in the terminal and restart it.
The number of loaded bars has reached the terminal limit.	Bars limit reached (N bars)	Open Tools > Options > Charts, increase both Max bars in history and Max bars in chart , then restart the terminal.

Good to know

N is the number of bars currently loaded on that timeframe. The messages are shown separately for each panel, so a warning on one timeframe does not affect the others.

5. Full Parameter Reference

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

5.1 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 do not trade to declutter the subwindow and reduce processing load.

5.2 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 independently for its own timeframe, so both modes can be combined in one configuration. **Off** = Base mode; **On** = Series mode. See Sections 3.3 and 7.1.

5.3 OsMA Settings

Parameter	Default	Description
ShowOsma	false	Selects the oscillator that drives the histogram bars. false: raw MACD line (Fast EMA - Slow EMA). true: OsMA — the MACD line minus its own Signal line.

5.4 Vertical Line Settings

Parameter	Default	Description
ShowVerticalLine	true	Enable or disable the synchronized vertical time line described in Section 3.2.
VerticalLineColor	Yellow	Color of the vertical sync line on the main chart and inside every timeframe panel.

5.5 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.

5.6 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 4 applied-price value).

5.7 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.

5.8 Performance Settings

Parameter	Default	Description
MinRedrawIntervalMs	100	Minimum time, in milliseconds, between full indicator redraws. Raising this value reduces CPU usage on fast-ticking symbols at the cost of slightly less frequent visual updates.
ArtificialDelayMs	0	Adds a manual delay, in milliseconds, to each tick the indicator processes. At 0 the indicator runs at full native speed. Suggested values for fine-tuning: 0.01 – 0.1 – 1 – 10. See Section 6.

6. Using the Indicator in the Strategy Tester

Anyone who has backtested with indicators in MetaTrader 4 knows the problem: dragging the Strategy/Indicator Tester speed slider to its fastest setting makes testing too fast to follow or verify visually. **ArtificialDelayMs** solves it by slowing down the indicator's own tick processing to a pace you can actually watch.

Parameter	Default	Suggested values
ArtificialDelayMs	0 (disabled)	0.01 – 0.1 – 1 – 10 milliseconds per tick

- **Manual control of test speed.** You get control over the effective speed even with the tester slider at its maximum — without having to run the entire backtest at a slower slider position.
- **Full speed when off.** At the default 0 the indicator runs at full native speed.
- **Fine-tuning.** Start with a small value such as 0.01 and increase it step by step until the playback is comfortable to follow.

Recommendation

Use a delay only when you want to study how the panels and the synchronized line develop tick by tick. Keep ArtificialDelayMs at 0 for fast tests.

7. Recent Updates

This section describes the latest improvements to Deep Trend Scroll Pro. Full descriptions are also available in the Latest Updates block on the Deep Trend Scroll Pro product page.

7.1 New Max/Min Series per timeframe

A new optional coloring mode that is switched on individually for each of the nine timeframes. In Series mode a panel colors only the first uninterrupted series of new maximums or minimums; the first bar that fails to set a new extreme locks the zone, and every following bar stays neutral gold until the histogram crosses zero.

The nine switches, M1_MaxMinSeries to MN_MaxMinSeries (Section 5.2), are all **false** by default, so existing setups behave exactly as before. A timeframe with the switch off keeps the Base logic, so Series-mode and Base-mode panels can be combined freely.

How the series logic works:

1. **Zone start.** Momentum crosses zero. The running high / low is reset, so the first bar of the new zone is colored.
2. **Series grows.** While every next bar sets a new maximum (above zero) or a new minimum (below zero), each bar stays colored.
3. **Lock.** The first bar that does not beat the running extreme locks the zone; every following bar is gold.
4. **Reset.** The lock ends only when momentum crosses zero and a new zone begins.

When to use it

Series mode helps to separate sustained impulses from weak, interrupted moves: it hides renewed breakouts that follow a pause inside the same wave. If you prefer to see every renewed extreme, keep the switch off for that timeframe.

7.2 History status messages

When a timeframe has no bars for the scrolled position, its panel no longer stays on Loading... without explanation. The indicator now shows what to do:

- **Please download history and restart terminal** — the history of this timeframe has not been downloaded.
- **Bars limit reached (N bars)** — Tools > Options > Charts: increase max bars in history and in chart and restart the terminal.

See Section 4.3.

8. Frequently Asked Questions**How exactly are all the timeframes synchronized?**

Every panel scrolls off the same shared bar clock, and the vertical sync line marks the identical bar time on the main chart and inside every mini timeframe panel — so M1 to MN never drift apart, in history or in real time. (See Section 3.2.)

How do I know which bar time I am looking at?

Each panel prints its own bar time in a format scaled to it — seconds on M1, minutes on M5–M30, date and time on H1/H4, and full date on D1, W1 and MN — and the vertical line ties them all to the same instant. (See Section 4.2.)

What is the difference between Base mode and Series mode (Max/Min Series)?

Base mode colors every bar that beats the running high/low of the current zone. Series mode only keeps coloring while extremes happen on consecutive bars — the moment one bar fails to beat the extreme, that zone turns neutral until momentum crosses zero. Each of the nine timeframes sets this independently. (See Section 3.3.)

What does the ShowOsma option change?

ShowOsma switches the value driving the bars from raw MACD to OsMA (MACD minus its own Signal line), giving a more responsive, acceleration-style read of momentum. The same green/red/gold coloring rules still apply. (See Section 3.4.)

How does ArtificialDelayMs help in the Strategy Tester?

At full tester speed, ticks fly by too fast to verify visually. ArtificialDelayMs adds a small manual delay per tick so you can slow testing down to a pace you can actually follow, without touching the tester's speed slider. (See Section 6.)

What happens if a timeframe does not have enough history yet?

The panel first shows Loading... and the indicator keeps checking every second. If the history has not been downloaded, it shows "Please download history and restart terminal". If the number of loaded bars has reached the terminal limit, it shows "Bars limit reached (N bars)" with the instruction to increase max bars in history and in chart in Tools > Options > Charts and restart the terminal. When enough bars become available, the message disappears and the histogram is drawn automatically. (See Section 4.3.)

Will it slow down my terminal?

No. All mini timeframe panels are drawn on a single canvas bitmap instead of hundreds of chart objects, keeping CPU usage low.

Can I use it on any broker or symbol?

Yes. It works on any MT4 broker feed and any symbol — Forex, indices, crypto CFDs, metals and more.

Support, Updates and Resources

Support	Should you have any questions about installation, settings or compatibility, our support team will be glad to assist you. Please get in touch through the Contact Us form.
Updates	Lifetime free updates are included with your purchase. New versions and release notes are published on www.deep-crypto-forex.com .
Other products	All new products and updates — indicators, trading systems and Expert Advisors (robots) — can be found on our website: www.deep-crypto-forex.com .

Risk warning

Deep Trend Scroll Pro is an analytical software tool. It is not financial advice, it does not execute trades or manage funds, and no indicator can guarantee profit. Trading Forex, CFDs and cryptocurrencies involves a high level of risk and may not be suitable for every investor. Test your settings on a demo account first and trade only with money you can afford to lose. Past performance is not indicative of future results.

Deep Trend Scroll Pro

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