TradinSolutions EXECUTION LAYER

TOOLKIT USER GUIDE · INDICATOR

Multi-EMA Suite

Up to ten moving averages with a ribbon, an alignment dashboard and four kinds of alert.

WORKS ON MT5 cTrader TradingView FREE UPDATED 08 OCTOBER 2026

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What it does

Multi-EMA Suite draws up to ten moving averages on one chart, so you do not have to stack ten separate indicators. Alongside the lines it shows a small dashboard that tells you, for every active line, where price sits against it, which way it is sloping and how far away it is.

- **Ten independent lines.** Each slot has its own period, method (EMA, SMA, SMMA or LWMA), applied price, colour, width and style.
- **A ribbon.** An optional colour band between any two lines: green while the faster line is above the slower one, red while it is below.
- **An alignment dashboard.** Value, price position, slope and distance in pips for every active line.
- **Four kinds of alert.** Crossovers between lines, price crossing a line, price coming close to a line, and all lines stacked in order. Each is switched on separately, with a cooldown so a choppy market does not flood you.

It works on any symbol and any chart timeframe.

What it does not do: it does not open, close or manage trades, and it does not tell you what to trade. The lines, the dashboard and the alerts describe what price and the averages are doing. Whether that is a reason to act is your decision.

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Before you start

Multi-EMA Suite is one of the free indicators. Its card in Toolkit is marked Free, and on MT5 and TradingView no licence key is needed.

PLATFORM	WHERE IT COMES FROM	LICENCE KEY
MT5	The MQL5 Market, free	Not needed
TradingView	Invite-only script, granted to your TradingView username	Not needed
cTrader	A .algo download from Toolkit (cTrader build: paid plans)	—

Try it on a demo account first, so you can see how often your chosen alerts fire before you rely on them.

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On MetaTrader 5

Install from the MQL5 Market

1. Sign in to the member app at app.tradinsolutions.com and open **Toolkit**.
2. On the Multi-EMA Suite card, click **MT5**, then **Continue to MQL5**. The Market listing opens: `https://www.mql5.com/en/market/product/174869`.
3. Install the indicator from the Market into your MetaTrader 5 terminal.
4. In MetaTrader 5, it appears in the Navigator as **Indicators → Market → SMC Multi-EMA Suite**.

Attach it to a chart

1. Open the chart you want.
2. In the Navigator, open **Indicators → Market** and drag **SMC Multi-EMA Suite** onto the chart.
3. Set your inputs on the **Inputs** tab (see the settings reference) and click **OK**.

The lines, labels and dashboard appear straight away. An indicator does not need Algo Trading switched on.

To change settings later, press **Ctrl+I**, pick the indicator from the list and click **Edit**.

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On cTrader

The cTrader build is a .algo file downloaded from Toolkit. For now the download needs a paid plan (cTrader build: paid plans).

1. Download the .algo file from the Multi-EMA Suite card in Toolkit.
2. Double-click the file. It installs into cTrader Automate.

3. In cTrader, find Multi-EMA Suite in your list of indicators.
4. Open a chart, click the indicators button on the chart toolbar and add Multi-EMA Suite from your custom indicators.
5. If cTrader asks you to grant access rights, review them and accept.
6. Set the parameters in the indicator's settings window and click **OK**.

In cTrader this is an indicator, not a cBot, so there is nothing to Start; it runs as soon as it is on the chart. This guide documents the MT5 inputs; on cTrader, settings are called parameters and are edited from the indicator's settings on the chart.

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On TradingView

On TradingView, Multi-EMA Suite is an invite-only script. Access is granted to your TradingView username.

1. In Toolkit, on the Multi-EMA Suite card, click **TradingView**.
2. Enter your username in **TRADINGVIEW USERNAME**, then click **Request access**.
3. Once access has been granted, open a chart on TradingView and click **Indicators**.
4. Open the **Invite-only** tab and click Multi-EMA Suite to add it to the chart.
5. Click the gear icon on the indicator's name on the chart to open its settings.

If the script offers alert conditions, set them through TradingView's own Alert dialog: click **Alert** (or press Alt+A), choose Multi-EMA Suite as the condition, pick the alert you want and set how you want to be notified.

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Reading the display

The lines and labels

Each active line is drawn in its own colour and style. With **InpShowLabels** on, a small label at the right edge of each line shows its name and current value, for example `EMA21 1.08432`.

The dashboard

The dashboard (on by default, upper right corner) has one row per active line:

COLUMN	WHAT IT SHOWS
MA / Value	The line's name and its current price level
POS	ABV if price is above the line, BLW if price is below it
SLP	The approximate slope of the line, in degrees
DIST	The distance from price to the line, in pips

A quick way to read it: when every row says ABV and the slopes point the same way, the averages are stacked beneath price; when the rows are mixed, the averages disagree.

The ribbon

With **InpShowRibbon** on, the space between two chosen lines is filled. Green means the faster line is above the slower one; red means it is below. By default the ribbon uses line 1 (EMA 8) as the faster line and line 5 (EMA 50) as the slower one.

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Settings reference

These are the MT5 input names. In each line setting, `x` stands for the slot number, 1 to 10 (for example `InpMA3_Period`).

Moving average lines

SETTING	DEFAULT	WHAT IT DOES
InpMAx_On	Lines 1–5 on, 6–10 off	Switches the line in that slot on or off
InpMAx_Period	See the table below	Number of bars in the average
InpMAx_Method	EMA	EMA, SMA, SMMA or LWMA
InpMAx_Price	Set per slot	Applied price: Close, Open, High, Low, Median, Typical or Weighted
InpMAx_Color	Set per slot	Line colour
InpMAx_Width	Set per slot	Line width, 1 to 5 pixels
InpMAx_Style	Set per slot	SOLID, DASH, DOT or DASHDOT

SLOT	DEFAULT PERIOD	METHOD	STATE
Line 1	8	EMA	On
Line 2	13	EMA	On
Line 3	21	EMA	On
Line 4	34	EMA	On
Line 5	50	EMA	On
Line 6	89	EMA	Off
Line 7	100	EMA	Off
Line 8	144	EMA	Off
Line 9	200	EMA	Off
Line 10	233	EMA	Off

Ribbon

SETTING	DEFAULT	WHAT IT DOES
InpShowRibbon	false	Draws the ribbon between two lines
InpRibbonFastSlot	1	The slot used as the faster line
InpRibbonSlowSlot	5	The slot used as the slower line
InpRibbonBullColor	Forest Green	Ribbon colour while the faster line is above
InpRibbonBearColor	Fire Brick	Ribbon colour while the faster line is below

Display

SETTING	DEFAULT	WHAT IT DOES
InpShowLabels	true	Name and value label at the right edge of each line
InpShowDash	true	Shows the dashboard
InpShowSlope	true	Shows the slope column
InpShowDistance	true	Shows the distance-in-pips column
InpDashX / InpDashY	15 / 30	Dashboard offset from its corner, in pixels
InpDashCorner	Upper Right	Which chart corner the dashboard sits in

Alert settings

Listed in the Alerts section below.

Common set-ups

Four example layouts. Switch on only the slots named and set their periods and methods as shown.

SET-UP	LINES	PERIODS AND METHOD
Default stack	Lines 1–5	8, 13, 21, 34, 50 EMA (the default)
Golden cross plus ribbon	Lines 1–2	50 EMA and 200 SMA
Triple EMA	Lines 1–3	9, 21, 50 EMA
Full Fibonacci ribbon	Lines 1–7	8, 13, 21, 34, 55, 89, 144 EMA

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Alerts

There are four alert types. Each has its own master switch, and each lets you choose which lines it watches. Alerts are checked on closed bars.

ALERT	WHEN IT FIRES
Crossover	Two of the lines you are watching cross each other. All pairs of watched lines are checked on each closed bar. The message gives the direction, both values, the symbol and the timeframe.
Price cross	Price closes on the other side of a watched line for the first time.
Price touch	Price comes within a set number of pips of a watched line while still on the same side: an early warning before a possible cross.
Stack alignment	The required share of active lines are all on the same side of price. It fires once and does not repeat until the stack breaks and forms again.

An example crossover message: `[EURUSD] [H1] BULLISH CROSSOVER: EMA8 crossed ABOVE EMA21 | EMA8=1.08430 EMA21=1.08390`

Alert settings (MT5)

SETTING	DEFAULT	WHAT IT DOES
InpAlertCrossover	true	Master switch for crossover alerts
InpAlertMAx_Cross	Lines 1–5 true, 6–10 false	Whether that line is watched for crossovers
InpAlertPriceCross	true	Master switch for price cross alerts
InpPriceCrossMAx	Lines 1–3 true, 4–10 false	Whether that line is watched for price crosses
InpAlertPriceTouch	false	Master switch for price touch alerts
InpTouchPips	5.0	How close, in pips, counts as a touch
InpTouchMAx	Lines 3, 5 and 9 true	Whether that line is watched for touches
InpAlertStack	true	Switches the stack alignment alert on
InpStackThresholdPct	100	Percentage of active lines that must be on the same side of price
InpAlertCooldownBars	3	Minimum bars between repeat alerts on the same pair. Touch alerts automatically use three times this value.
InpAlertPopup	true	MetaTrader pop-up window
InpAlertPush	true	Push notification to the MetaTrader mobile app
InpAlertTelegram	false	Passes alerts to a separate Telegram bridge EA. No bridge EA is supplied with Multi-EMA Suite, so leave this off.
InpTelegramGlobalVar	MEMA_TG_MSG	The name used to pass messages to a bridge EA. Only relevant if InpAlertTelegram is on.

Push notifications need your MetaQuotes ID entered under **Tools** → **Options** → **Notifications** in MetaTrader 5.

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Words you'll see

TERM	MEANING
EMA	Exponential moving average: an average that gives more weight to recent bars
SMA / SMMA / LWMA	Simple, smoothed and linear-weighted moving averages
Applied price	Which price the average is calculated from, such as the close
Slot	One of the ten line positions, numbered 1 to 10
Ribbon	The coloured band drawn between two lines
Stack	The lines lined up in order on one side of price
ABV / BLW	Price above / below a line, as shown in the dashboard
Cooldown	The minimum number of bars before the same alert can fire again

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FAQ and troubleshooting

I am getting too many alerts. Watch only two or three key lines for crossovers, and raise **InpAlertCooldownBars**. On M1, 5 to 10 bars is a sensible cooldown.

Touch alerts keep firing. Raise **InpAlertCooldownBars**; touch alerts already use three times that value. You can also lower **InpTouchPips** or watch fewer lines with **InpTouchMAx**.

The ribbon is hiding the candles. Choose lighter ribbon colours or switch **InpShowRibbon** off.

The dashboard covers something on my chart. Move it with **InpDashCorner**, **InpDashX** and **InpDashY**, or switch it off with **InpShowDash**.

I cannot find it in the Navigator. An indicator installed from the MQL5 Market is listed under **Indicators → Market**, not directly under Indicators. Look for **SMC Multi-EMA Suite** there.

Can it trade for me? No. Multi-EMA Suite is an indicator. It draws lines and sends alerts; it never opens or closes a position.

Need help? Help centre: help.tradinsolutions.com · Email: contact@tradinsolutions.com · Community: the TradinSolutions Discord (tradinsolutions.com/community).

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