Trend Cloud PRO – Settings Guide

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Overview

Trend Cloud PRO draws an SMA trend line and a Stochastic RSI cloud on the price chart, and marks confirmed crosses, overbought/oversold points, divergences and trend weakening. Arrows only appear after a cross has held for a set number of bars, so they do not repaint.

What you see on the chart:

- **Blue line:** the SMA (trend line).
- **Teal cloud:** Stochastic RSI K is above D (bullish). **Orange cloud:** K is below D (bearish). A darker, faded shade means the move is shrinking and the trend is fading.
- **Lime arrow up / red arrow down:** a confirmed cross (BUY / SELL).
- **OB / OS:** overbought / oversold.
- **DIV:** price and RSI diverge. Magenta above a swing high is bearish, aqua below a swing low is bullish.
- **Gold x:** momentum turned against the trend, so the trend is weakening.
- **+ / - numbers:** the result of each finished signal, in points, pips or price units (+ profit, - loss).
- **Title (upper left) and buttons (lower left):** the title shows the indicator name. The buttons ALL, OB, OS, DIV and MOVE switch label groups on and off.

The tables below follow the order of the Inputs tab and list the default value of each setting.

Main settings

These five periods build the trend line and the cloud colour.

Setting	Default	What it does
SmaLength	96	Period of the SMA trend line. Longer = smoother, slower trend.
RsiLength	96	Period of the RSI that the Stochastic RSI is built from.
StochLength	96	Look-back window for the Stochastic RSI (highest and lowest RSI).
SmoothK	30	Smoothing of the raw Stochastic RSI into the K line.
SmoothD	6	Smoothing of K into the D line. The cloud colour is K above or below D.

The indicator needs enough history before it draws: roughly the SMA length or the RSI + Stoch + SmoothK + SmoothD periods, whichever is larger.

Extra: calculation and cross signals

Setting	Default	What it does
SmaPrice	Close	Applied price for the SMA.
RsiPrice	Close	Applied price for the RSI.
FillMode	SMA to High / Low	How far the cloud bars reach. *SMA to Close* fills up to the close. *SMA to High / Low* fills up to the high when price is above the SMA and to the low when it is below.
CrossSource	Price crosses the SMA	What counts as a cross. *Price crosses the SMA*, or *Colour change* (Stochastic RSI K crosses D).
ConfirmBars	5	The arrow and alert appear only after the cross has held this many bars. 0 = immediately. Higher = fewer, later, more reliable signals.

The arrow is drawn on the bar where the cross happened, once the confirmation is complete. It never disappears again on closed bars.

Auto offset and cross arrows

Auto offset keeps arrows and labels at a distance from the candles that follows volatility (ATR), so they stay readable on any symbol and timeframe.

Setting	Default	What it does
AutoOffset	On	On = distance follows ATR. Off = fixed distance in points (ArrowOffset, LabelOffset).
AtrPeriod	14	ATR period used for the auto offset.
ArrowAtrMult	0.3	Arrow distance from the candle = ATR x this value.
LabelAtrMult	1.2	OB / OS label distance from the candle = ATR x this value.
ShowArrows	On	Show or hide the cross arrows.
BuyArrowCode	233	Wingdings symbol code of the BUY arrow.
SellArrowCode	234	Wingdings symbol code of the SELL arrow.
ArrowPos	Beyond candle	*Beyond candle*: below the candle for BUY, above for SELL. *On the SMA*: the arrow sits on the SMA line.
ArrowOffset	30	Fixed arrow distance in points. Used only when AutoOffset is off.

OB / OS labels

OB marks overbought, OS marks oversold. A label can be placed when the indicator enters the zone or when it leaves it, which is usually the reversal point.

Setting	Default	What it does
ShowOBOS	On	Show or hide the OB / OS labels.
OBOSSource	Plain RSI	Indicator used: *Plain RSI* (own period, standard 70 / 30) or *Stochastic RSI K* (slower, 80 / 20).
ObOsRsiPeriod	14	RSI period in RSI mode. Also used by the divergence labels.
RsiOBLevel / RsiOSLevel	70 / 30	RSI overbought and oversold levels.
OBLevel / OSLevel	80 / 20	Stochastic RSI K overbought and oversold levels.
LabelAt	When K enters the zone	Put the label when the zone is *entered* or when it is *left*.
LabelMinBars	30	Minimum bars between two labels of the same type.
LabelRearm	On	Next label only after the indicator has come back to the re-arm level.
RearmLevel	50	Re-arm level. OB re-arms below it, OS re-arms above it. Also used by the divergence zone filter.
OBText / OSText	OB / OS	Label texts.
OBColor / OSColor	Red / Dodger blue	Label colours.
LabelSize	10	Label font size.
LabelOffset	80	Fixed label distance in points. Used only when AutoOffset is off.

Trend end signals

Three early warnings that a trend is losing strength.

Momentum turn (gold x)

A gold x appears when Stochastic RSI K turns against the trend while price is still on the trend side of the SMA.

Setting	Default	What it does
ShowTrendEnd	On	Show or hide the marker.
TrendEndCode	251	Wingdings symbol code (251 = x).
TEAtrMult	0.7	Marker distance from the candle = ATR x this value.
TEMinBars	10	Minimum bars between two markers.

RSI divergence (DIV)

A swing high or low is confirmed after DivPivot bars on each side. If price makes a higher high while RSI makes a lower high, a bearish DIV is placed above the swing. A lower low in price with a higher low in RSI gives a bullish DIV below the swing.

Setting	Default	What it does
ShowDivergence	On	Show or hide DIV labels.
DivPivot	5	Bars left and right that define a swing. Higher = fewer, stronger swings.
DivMaxBars	60	Maximum bars between the two swings.
DivNeedZone	On	Bearish only if RSI is at or above the re-arm level, bullish only if at or below it.
DivBearText / DivBullText	DIV / DIV	Label texts.
DivBearColor / DivBullColor	Magenta / Aqua	Label colours.

Shrinking bars (faded cloud)

Setting	Default	What it does
ShrinkFade	On	Fade the cloud colour while the move shrinks.
ShrinkPct	50	Fade when the distance to the SMA is below this % of its peak in the current move.
ShrinkMinAtr	1.0	Only fade if that peak was at least ATR x this value, which ignores tiny moves.

Move size labels

Each confirmed signal is measured from the close of its cross bar until the next confirmed cross in the opposite direction. If price ran in your favour, the label shows the best distance with a + in the win

colour at the best bar. If it never ran in profit, the label shows the worst move against it with a - in the loss colour. Labels are only set on closed bars, so they do not repaint.

Setting	Default	What it does
ShowMoveLabels	On	Show or hide the move labels.
MoveUnit	Points	Unit: MT5 points, pips (points / 10) or price units (for example USD on gold).
MinMoveSize	0	Hide moves smaller than this, in the chosen unit. 0 = show all.
MoveWinColor	Lime	Colour of a signal that ran in profit (+).
MoveLossColor	Orange red	Colour of a signal that only went against you (-).
MoveLabelSize	9	Font size.
MoveLabelAtrMult	2.8	Distance from the peak = ATR x this value. Keeps these labels clear of OB and DIV labels.

Toggle buttons and alerts

Toggle buttons

Five buttons in the lower left corner switch label groups on and off: ALL, OB, OS, DIV and MOVE. A group that is off is removed from the chart and comes back when you switch it on again. The state is kept when you change the timeframe or the settings.

Setting	Default	What it does
ShowButtons	On	Show or hide the buttons.
ButtonX	8	Distance from the left edge in pixels.
ButtonY	28	Distance from the bottom edge in pixels.

Alerts

Setting	Default	What it does
UseAlerts	On	Master switch for all alerts.
AlertUp / AlertDown	On / On	Alert on a confirmed cross up / down.
AlertTrendEnd	On	Alert when the gold trend-weakening marker appears.
AlertPopup	On	Popup alert window.
AlertSound	On	Play a sound.

Setting	Default	What it does
SoundFile	alert.wav	Sound file from the MQL5\Sounds or terminal Sounds folder.
AlertPush	On	Mobile push notification. Needs the MetaQuotes ID set in the terminal.
AlertEmail	Off	Send an e-mail. Needs e-mail set up in the terminal.
AlertOnClosedBar	On	On = closed bar only, no repaint. Off = current bar, which is faster but can change before the bar closes.

Each cross and each marker alerts once. Alerts are not sent while the history is calculated.

About, fixed items and tuning tips

About. The three entries (TelegramChannel, MQL5Market, MQL5Channel) only list the author's links. They do not change anything on the chart.

Fixed items. The title and subtitle in the upper left corner cannot be changed in the settings. They switch between light and dark text by themselves to match the chart background. The licence (account lock and expiry date) is built into the compiled file and is not shown in the settings.

Tuning tips

- Too many signals: raise ConfirmBars, or raise SmaLength.
- Signals come too late: lower ConfirmBars. Each bar less gives an earlier but less reliable arrow.
- Too many OB / OS labels: raise LabelMinBars or keep LabelRearm on.
- Labels crowd the candles: raise the ATR multipliers (ArrowAtrMult, LabelAtrMult, MoveLabelAtrMult).
- The chart feels slow on very long histories: lower the number of visible bars, or switch ShowDivergence and ShowMoveLabels off.