

# PTStratX - multi period indicators

## Short Introduction

**For the first time, it is possible to test and view up to 5 indicators in different time periods (1 min - 1 week) in one chart simultaneously!**

Profit Trailer 2 introduces trading with multiple indicators and indicator settings for Buy, DCA and Sell orders. Even experienced traders and chart analysts are facing difficulties now and struggle to create suitable strategies.

Our script allows to find this "best" strategy with ease, to visually verify it as your strategy and finally run backtests with historical data.

You immediately see if the strategy is good for profitable trades and then can test it by using the strategy tester in TradingView to find out how lucrative it would have been.

## General Recommendations

For best results, please set the candle period of the chart itself to 1, 3 or 5 min as this allows the best behavior for trailing, buy, DCA and sell and be as close to the results of profit trailer as possible.

If you are starting from scratch, we recommend that you select a higher chart period first, e.g. 30 min or 1h, test your first settings and then decrease the period to 1, 3 or 5 min as mentioned above and finetune your settings.

# BUY Strategy

5 different purchase indicators can be combined to find a perfect purchasing strategy.

In ALL\_Buy\_Strategy select different indicators.

Currently

- EMAGAIN
- EMASPREAD
- SMAGAIN
- SMASPREAD
- SMACROSS
- EMACROSS
- HIGHBB
- LOWBB
- RSI
- STOCHRSI and
- MACD

are available. If "-" is selected as strategy, the respective strategy setting is disabled.

Fields:

- ALL\_Buy\_Value sets the buy value of the selected indicator when to buy, e.g. EMAGAIN -0.5.
- ALL\_Buy\_Value\_Limit restricts the buy value for the particular indicator, for example:

The screenshot shows a software window titled 'Eingaben Eigenschaft Stil Quellcode' with a close button. It contains five sections for configuring buy strategies. Each section has a checkbox, a strategy name, a dropdown menu for the indicator, and three input fields for value, limit, and period.

Buy Indikator	ALL_Buy_Strategy	ALL_Buy_Value	ALL_Buy_Value_Limit	Period_Buy (In Min)	
<input type="checkbox"/>	ALL_Buy_Strategy A	EMAGAIN	-0.5	-1.5	60
<input type="checkbox"/>	ALL_Buy_Strategy B	LOWBB	20	100	60
<input type="checkbox"/>	ALL_Buy_Strategy C	RSI	30	100	60
<input type="checkbox"/>	ALL_Buy_Strategy D	--	30	98	60
<input type="checkbox"/>	ALL_Buy_Strategy E	--	30	100	60

EMAGAIN -0.5 / -1.5 is only true if the gain is in the range from -0.5 to -1.5. Below or above the indicator is false and a buy is not triggered.

- Period\_Buy sets the candle size for the particular indicator and therefore how it is calculated. EMAGAIN 1h, LOWBB 15min, RSI 1 week etc. **Please note:** Profit Trailer allows only certain predefined periods. Please consult their Wiki. The same applies for TradingView itself.

**Please note:**

- MACD is true if MACD\_fast crosses the MACD\_slow from below and stays true until the MACD\_fast crosses the MACD\_slow from the top. MACD currently does not consider the buy\_value or the limit\_value.
- StochRSI is true if k, d crosses and k is below the value of the set Buy\_Value. The Buy\_Value\_Limit is currently not used.
- For the MACD and StochRSI we are waiting for the final PT2 implementation and will recreate it according to the PT2 behavior then.
- The checkboxes next to the description and lines are without any functionality (they are just needed to visually organize the dialog a little better).

# DCA Strategy

Up to 3 indicators can be combined for DCA, whereby DCA Anderson is automatically one of the 3 possible indicators in the current version.

- If you want to trigger the DCA stages with different drops, enter different values for the DCA\_Buy\_Trigger.
- If you always want to trigger on the same drop, enter the same value for all DCA Anderson stages.
- If you want to turn Anderson off, just set DCA\_Buy\_Trigger1 to a very high value, e.g. -99.

**Please note:** DCA currently works only if you set the order size to 1 contract (this is the default setting), this will be fixed in a future script update.

The screenshot shows the 'Eingaben' (Inputs) tab of a configuration window. It lists three DCA indicators: 'DCA Indikator', 'DCA Buy Strategy & Anderson A', and 'DCA Buy Strategy & Anderson B'. Each indicator has a checkbox to enable it and a dropdown menu to select the strategy (LOWBB for A, RSI for B). Below each indicator, there are input fields for 'DCA\_Buy\_Value', 'DCA\_Buy\_Value\_Limit', and 'Period\_DCABuy'. At the bottom, there is a section for 'DCA Anderson' with a checkbox and a list of 'DCA\_Buy\_Trigger' values from 1 to 6, each with an input field.

# SELL Strategy

The two additional indicators are used just like the buy indicators and are not described here. See above.

Currently two sell indicators can be combined:

- GAIN
- HIGHBB
- RSI

GAIN is always set as ALL\_Sell\_Strategy A (as per PT2)

Fields:

- ALL\_Sell\_Strategy choose the indicator
- ALL\_Sell\_Value the value on which to trigger
- Period\_Sell defines the period of the candle size for this indicator

The screenshot shows the 'Eingaben' (Inputs) tab of a configuration window. It lists two sell indicators: 'ALL\_Sell\_Strategy A' and 'ALL\_Sell\_Strategy B'. Each indicator has a checkbox to enable it and a dropdown menu to select the strategy (GAIN for A, -- for B). Below each indicator, there are input fields for 'ALL\_Sell\_Value' and 'Period\_Sell'. At the bottom, there is a checkbox for 'Stop Loss Value' and an input field for its value (-10).

Stop\_Loss\_Value defines the drop in % at which a sell is triggered independently from the sell strategy (whether they are true or not). Stop\_Loss can be deactivated by setting it to a value of 0.

# Trailing

Fields:

ALL\_Trailing\_Buy, All\_Trailing\_Dca\_Buy, and ALL\_Trailing\_Profit specify the trailing value as used in PT2.

These are also price related trailing values as in PT2.  
Trailing starts only when all selected indicators are "True".

----- Trailing -----	
ALL_Trailing_Buy	<input type="checkbox"/> 0
ALL_Trailing_Dca_Buy	<input type="checkbox"/> 0
ALL_Trailing_Profit	<input type="checkbox"/> 0

## Indicator Settings

The indicator parameters are essential for the calculation of the indicators for Buy, Sell and DCA.

Please research on the internet for their meaning and recommended settings.

Otherwise, the parameters are self-explanatory with their descriptions and relate to the settings in PT2.

-----Indikator Parameter-----	
EMA_slow_length (Blue)	<input checked="" type="checkbox"/> 24
EMA_fast_length (Green)	<input type="checkbox"/> 12
EMA_cross_candles	<input type="checkbox"/> 3
SMA_slow_length (Blue)	<input type="checkbox"/> 24
SMA_fast_length (Green)	<input type="checkbox"/> 12
SMA_cross_candles	<input type="checkbox"/> 3
BB_sma	<input type="checkbox"/> 20
BB_std	<input type="checkbox"/> 2
RSI_length	<input type="checkbox"/> 14
STOCH_length	<input type="checkbox"/> 14
MACD_fast_length	<input type="checkbox"/> 12
MACD_slow_length	<input type="checkbox"/> 24
MACD_length	<input type="checkbox"/> 9
Stoch_RSI_lenght	<input type="checkbox"/> 14
Stoch_lenght	<input type="checkbox"/> 14

# Backtesting Settings

The time range restricts the backtesting period in TradingView. E.g. if you just want to test the last week, set the range accordingly.

----- Backtest Range -----

From Month

From Day

From Year

To Month

To Day

To Year

☐

1

1

2018

1

1

10000

## Plotting

Plotting refers to the visualization of the different indicators and their behavior. They are shown in the chart if they are activated and "true".

- 1-5 = 5 buy indicators
- 6 = Yellow bar in the chart is shown, if all used BUY strategies are "True"
- 7 = Orange bar in the chart is shown, if all used DCA strategies are "True"
- 8-10 = 3 DCA indicators
- 11 = Display BUY indicators as bars
- 12 = Display BUY Strategies as letters (the BUY indicators, which are "True", are written in the chart in all areas). This makes it much easier to recognize and set when an indicator is missing at a good entry point.
- Green letters in the chart represent the BUY indicators, orange letters the DCA buy indicators

## Known Issues

If you notice any strange script behavior, it is often due to TradingView not reacting any more. Possible solutions are either reloading the chart / website, adding the script again or restarting the browser.