

# Stochastic-EA

This EA has to work with 4 and 5-digit-FX-Brokers. They are to be recognized by itself.

The EA should work on multiple charts (different markets) with different settings simultaneously.

## Safety-Features

Identify via magic number and symbol in the commentary-field (e.g. AUDNZD123456) the last 10 Trades (variable) a the specific symbol.

If this trades are:

- losing all together more than e.g. 90 € (variable) and/or
- e.g. 6 (variable) trades in a row are losing-trades, then

EA is opening no more trades (at this symbol), but manages and exit already open positions as usual,

- displays (optionally) a info where the symbol (e.g. AUDNZD) is shown and
- generates (optionally) a push-notification where the symbol (e.g. AUDNZD) is shown.

To restart the EA, the magic number has to be changed manually.

This is necessary in order to protect the account against a drawdown could be caused by a potentially unrecognized malfunction of the EA.

## Money-Management

Either the EA should use a fix lot-size or %of balance (manually adjustable):

- Fix lot-size (e.g. 1,0 or 0,01 lot)  
OR
- MM (risking % of balance, e.g. 1% of a 1'000 € account would be 10 €)

## Entry-Signals

One up to five Stochastic-Tapes should individually be selectable as an entry-criteria.

Every Tape should be configurable individually (Timeframe, Timeframe Auto Select, Mode & Kover %D or Slope UP/Down, %K Period, %D Period, Slowing, Price Field, MA Method, Low Level, High Level).

A buy-signal is generated if all Tapes changed simultaneously to green, a sell-signal if they changed simultaneously to red. White boxes should not be used for a signal.

To receive a valid signal, the end of the current candle has to be awaited (Indicator repaints).

The trade should be opened at market immediately after the next candle opens.



Rarely, it may happen that a sale and a buy signal occurs in opposite directions at the same time, these signals should be used:



If there is a new buy/sell-signal while a position in this direction is already opened then the second signal should be ignored.



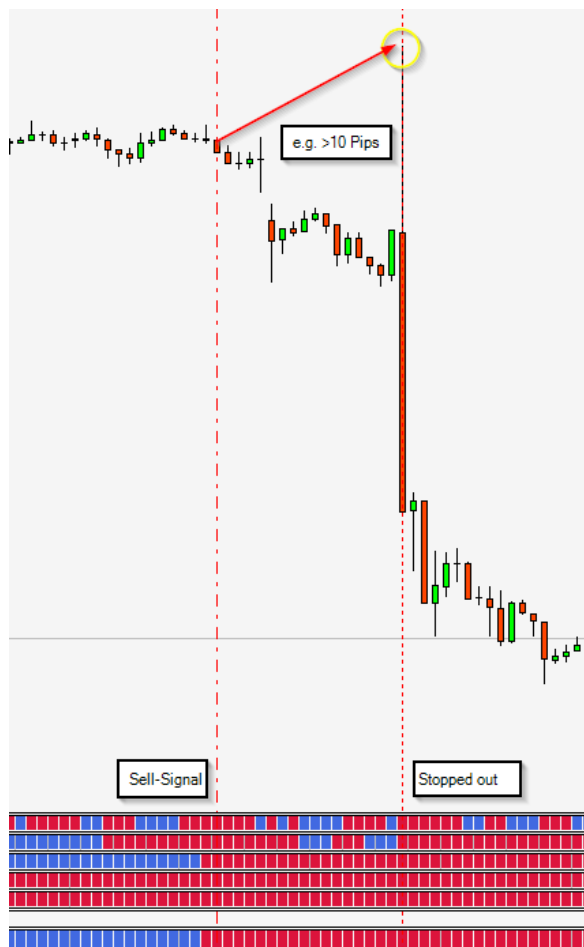
Optionally:

If the Exit-Signal-Tape has another colour at the begin of the position, the entry-signal should NOT be taken.

## Stop

A stop should be used. Default is 10 Pips.

Optional a Trailing-Stop should be used (not by default).



## Exit-Signal

One Tape should be used for exit (also individually configurable).

If there is a long-position an the Exit-Signal-Tape is changing to red, the position should be closed (remember: signal is only valid, if the candle has closed).

For short-positions it has to change to green.

White boxes should be ignored.

## Visualizing

Optionally the EA should draw lines for opening/closing positions.

- It should draw a vertical line (dash-dot-dash-type: see examples above) when a position is opened, green colored for long-positions, red for short-positions
- A black vertical line (dot-dot-type) when there is an exit-signal.
- For a used Stop it should draw a red line (dot-dot-type).