

## StarSmile EA

**TimeFrame** - Working timeframe. 0 - timeframe of chart or the value: 1, 5, 15, 30, 60, 240, 1440 minutes

**WorkMode** - If 1, then appeared the signal remains until the arrival of the opposite signal (start working from two indicators enabled)

### === Trades Management ===

**Maxcount** - Maximum allowable number of open trades, -1 - not limited

**MaxBuyCount** - Maximum allowable number of open trades buy

**MaxSellCount** - Maximum allowable number of open trades sell

**Lots** - Lot Size

**inRowN** - Maximum number of trades of one type (buy or sell) in a row

**ReverseTrades** - reverse function (coup) of EA' signals. There was a buy, become sell, and vice-versa.

### SL / TP

**StopLoss** - Stop Loss in pips

**TakeProfit** - Take Profit in pips

**CloseOnRev** - If true, the trade closes before the opening of opposite trade

**ARROWS COUNT** - Block is used to amplify the "weight" of the trade by the merger of several signals of indicator (s) in the same direction in one.

**UseDiffCountArrows** - If true, use count signals (arrows) of each block (indicator) separately

**CountArrows** - Total count of the number of signals (0 or 1 - trade opens at the first signal, 2 - trade opens if two signals in one direction, etc.)

**useNoSignal** - If true, use the absence of a signal (arrow) in a row to reset the count

**MarginalCommand** - If true, to open the trade use principle of majority (ie 2 out of 3 or 3 out of 5 indicators give a buy signal, then open a transaction)

## PENDING ORDERS

**Stops** - If true, use stop orders instead of market

**Limits** - If true, use limit orders instead of market

**PipsDistance** - Distance in points from the signal to place a pending order

**PendedExpirationMinute** - Lifetime of the pending order in minutes

**OnNewSignalDeletePended** - Remove the previous order of the same direction with the new signal

**2 MA color** - indicator based on two modified MA. You can download indicator in file attachments.

**Use2MAcolor** - If true, use the signals of 2MAcolor indicator

**MA1colorPeriod** - Period of Moving Average

**MA1colorMethod** - Moving Average Method (0 - Simple MA, 1 - Exponential MA, 2 - Smoothed MA, 3 - Linear weighted MA)

**MA1colorPrice** - Price type Moving Average (0 - Close, 1 - Open, 2 - High, 3 - Low, 4 - Median Price, 5 - Typical Price, 6 - Weighted Close)

**MA1colorShift** - Shift of Moving Average

**nColor** - Number of indicator's bars in one side for the appearance of the signal

**ColorDeltaPips** - If the difference in pips between extremes of price (high / low) and the value of MA on this candle is less than this value, the signal will not appear

**ColorMADeltaPips** - Difference in pips between two MA in the indicator for the appearance of the signal

**MA1colorCountArrows** - Count the number of signals of indicator 2 MA color (0 or 1 - the trade opens at the first signal, 2 - when two signals in the same direction, etc.) It works only when UseDiffCountArrows = True

**3 MA** - This block is composed of two separate conditions. First:  $MA1 > MA2 > MA3$  (when the signal is up). This condition is valid until the formation of the opposite ( $MA1 < MA2 < MA3$ ). The second condition: the price should return to (cross) MA2. This method allows you to enter the market on corrections from strong movement.

**Use3MA** - If true, use the signals of block 3 MA

**MA1Period** - Period of first Moving Average

**MA1Price** - Type of MA price; **MA1Method** - MA method; **MA1Shift** - MA Shift

**MA2Period** - Period of second Moving Average

**MA3Period** - Period of third Moving Average

**ADeltaPips** - Distance in pips between MA1 and MA2 and between MA2 and MA3 for the appearance of a signal

**GammaPips** - Difference in pips between the value of each MA with its previous value for the appearance of the signal

**LambdaPips** - If the difference in pips between extremes of price (high / low) and value MA2 on the candle is less than this value, the signal will not appear

**MA3CountArrows** - Count the number of signals of 3 MA block. It works only when UseDiffCountArrows = True

**3 MA plus** - This block is composed of two separate conditions. First: MA1 plus > MA2 plus > MA3 plus (when the signal is up). Second, the price should return to (cross) MA3 plus.

**Use3MAplus** - If true, use signals of block MA plus 3

**MA1plusPeriod** - Period of first Moving Average

**MA1plusPrice** - Type of MA price; **MA1plusMethod** - MA method; **MA1plusShift** - MA Shift

**MA2plusPeriod** - Period of second Moving Average

**MA3plusPeriod** - Period of third Moving Average

**BDeltaPips** - distance in pips between MA1 plus and MA2 plus and between MA2 plus and MA3 plus for the appearance of the signal

**DzettaPips** - Difference in pips between the value of each MA plus with its previous value for the appearance of the signal

**MA3plusCountArrows** - Count the number of signals of 3 MA plus. It works only when UseDiffCountArrows = True

**MA FILTERS** - Advanced Moving Average Filters

**MA Cross** - If the fast MA greater than Slow MA, the buy signal (sell - on the contrary)

**Use2MA** - If true, use the signals of block MA Cross

**MAFastPeriod** - Period of fast Moving Average

**MASlowPeriod** - Period of slow Moving Average

**MADeltaPips** - Distance in pips between two Moving Average for the appearance of the signal

**MACountArrows** - Count the number of signals of block MA Cross

**MA big** - If the price is more than this Moving Average, the buy signal (sell - on the contrary)

**UseMAbig** - If true, use the signals of MA big block

**MAbigPeriod** - Period of Moving Average

**MabigDeltaPips** - Difference in pips between the close price of the candle and MA big value for the appearance of the signal

**MAbigCountArrows** - Count the number of signals of block MA big

**MA change** - If Moving Average more than its previous value, the buy signal (sell - on the contrary)

**UseMAchange** - If true, use the MA change block signals

**MAchangePeriod** - Period of Moving Average

**MAchangeDeltaPips** - Difference in pips between the MA value to its previous value for the appearance of the signal

**MAchangeCountArrows** - Count the number of signals of MA change block

**ADDITIONAL INDICATORS** - Ordinary MT4 indicators, but with a unique opportunity to increase the signal strength. For example, you can make to signal appears only when the indicator is in the oversold zone 10 bars instead of 1 (Using CountArrows).

**Parabolic SAR** - If the price is more than this indicator, the signal buy (sell - on the contrary)

**Bollinger Bands** - If the price is greater than the upper line of the indicator, the buy signal. If the price is below the lower line, then sell signal

**Standard Deviation** - If the value of this indicator is greater than its previous value, the buy signal (sell - on the contrary)

**MACD Change** - If the value of this indicator is greater than its previous value, the buy signal (sell - on the contrary)

**MACD** - If the value of this indicator is greater than zero, the buy signal (sell - on the contrary)

**UseMACD** - If true, use MACD

**UseMACDSig** - If true, use MACD Signal

**ZettaPips** - Distance in pips between MACD and zero for the appearance of the signal

**OsMA** - If the value of this indicator is greater than zero, the buy signal (sell - on the contrary)

**OmegaPips** - distance in pips between the OsMA and zero for the appearance of the signal

**Momentum** - If the value of this indicator is greater than its previous value, the buy signal (sell - on the contrary)

**Alligator** - If jaw less than teeth, teeth less than lips, the buy signal (sell - on the contrary)

**RSI** - If the value of the indicator greater than the upper level, the buy signal. If less than the lower level, the signal sell

**CCI** - If the value of the indicator greater than the upper level, the buy signal. If less than the lower level, the signal sell

**Williams Percent Range** - If the value of this indicator is above the upper level, the buy signal. If less than the lower level, the signal sell

**Stochastic** - If the value of this indicator is above the upper level, the buy signal. If less than the lower level, the signal sell

**Stochastic Change** - If the value of this indicator is greater than its previous value, the buy signal (sell - on the contrary)

## OTHER

**MA change flag** - Idea of the block is based on when we see trend (which defines MA), price makes correction and lean on invisible wall (a few candles are closed almost the same price), and then the trend continues.

**UseMAchflag** - If true, use the block MA change flag signals

**MAchflagPeriod** - Period of Moving Average

**MAchflagDeltaPips** - Difference in pips between MA value to its previous value for the appearance of the signal

**MAchflagNumber** - Number of consecutive bars for the emergence of MA signal

**MAchflagBarsBack** - Bars to look at history to find the close price coincidences

**MAchflagNSamePrice** - Required number of bars to the coincidence of close prices

**MAchangeAccuracyPips** - Precision of coincidence in pips for the appearance of the signal

**CloseCandle** - If true, use the closing of the bar in distance from MA for the appearance of the signal

**changeDeltaPips** - If the distance in pips between the close price of the bar and the value of MA is less than this value, the signal will not appear

**MAchflagCountArrows** - Count the number of signals of MA change flag block

**Range breakdown** - Block of breakdown the range by price up or down

**UseRange** - If true, use the signals Range breakdown block

**RangeBars** - Range in bar

**ShiftRangeBar** - Number of initial bar of range

**CountBars** - Step of range's calculation

**RangeOverType** - Type of range's excess (in pips or in %)

**RangeOverValue** - Value of range's excess

**Comeback** - If true, use the return of price to the border of range for the appearance of the signal

**ComeBackPips** - Difference in pips between the price and the border of range for the appearance of the signal

**ShowLines** - If true, show the borders by lines

**RangeCountArrows** - Count the number of signals of Range breakdown block

**Start Range breakdown** - Block of breakdown by price the range from beginning of the day or week (for 4 hours)

**UseStartRange** - If true, use the signals of Start Range breakdown block

**N\_bars** - Number of bars since the beginning of the day (or the week) to form a range

**PipsForBreak** - Increasing the initial range for a predetermined pip value for the breakdown

**MaxRange** - Maximum permissible size of range in pips

**MinRange** - Minimum permissible size of range in pips

**StartRangeCountArrows** - Count the number of the block's signals

**MarketWatch** - If true, put SL / TP after the opening of the trade (for some brokers)

**Slippage** - Permissible slippage in pips

**Show\_Arrows** - Display arrows (signals) on chart

**LOT RISK%** - Block of Dynamic Lot, which is calculated from the Stop Loss size so as not to exceed a specified risk in % of the deposit for 1 deal.

**DynamicLot** - If true, use dynamic lot block

**RiskOnBalancePcnt** - risk on the trade in% of balance

**MinLot** - Minimum lot for the calculation

**MaxLot** - Maximum lot for the calculation

**KoefLot** - Multiplication coefficient of the lot for the next transaction after a loss. If 1, not used

**InRow** - Number of consecutive losing trades for use KoefLot

**SMART LOT** - Block's idea is to consistently increase the lot size with a series of profitable trades and reduce after losses. Checked! The result is better an average up to 50% for the same risk than a fixed lot.

**SmartLotOn** - If true, use lot size control

**Koef** - If true, use multiplication coefficient of lot. If false, use variables LotPlus and LotMinus

**KoefPlus** - Multiplication coefficient of the lot with a series of profitable trades

**KoefMinus** - Multiplication coefficient of the lot with a series of losing trades

**LotPlus** - Fixed value to increase the lot at the previous series of profitable trades

**LotMinus** - Fixed value to reduce the lot at the previous series of losing trades

**MinLotSize** - Lower limit of the lot size

**MaxLotSize** - Upper limit of the lot size

**TradeCloseCheck** - If true, use a series of trades in a row to change the lot

**TradesinRowPlus** - Number of profitable trades in a row to change the lot by KoefPlus or LotPlus

**TradesinRowMinus** - Number of losing trades in a row to change the lot by KoefMinus or LotMinus

**TotalCloseCheck** - If true, use the overall profit / loss for the series of trades to change the lot

**TradesNumber** - Number of transactions for the analysis of profit / loss (in pips)

**TradesDelayNumber** - Number of transactions for the delay

**PipsPlus** - Profit in pips for a series of trades, above which the lot will be changed by KoefPlus or LotPlus

**PipsMinus** - Loss in pips for a series of trades, above which the lot will be changed by KoefMinus or LotMinus

**CountOrders** - If true, take into account the pending orders in modification the lot size

**DAYS OF THE WEEK** - Block of permission to trade on weekdays

**MondayClose** - If true, use a ban on trade on Monday

**MondayCloseHour** - Trade ending hour on Monday (default 00.00 terminal time). The remaining days of the week have similar settings

**TIME TRADE** - Block of permission to trade on time

**TimeFilter** - If true, use the time trade block

**TimeFilter1** - If true, use the first trading time filter

**OpenHour1** - opening hour of trading (terminal time)

**OpenMinute1** - opening minute

**CloseHour1** - closing hour of trading

**CloseMinute1** - closing minute

**TimeFilter2** - If true, use the second trading time filter

**TRAILING / BREAKEVEN** - Block of activation functions trailing stop and breakeven

**TrailingStop\_Use** - If true, activation of trailing stop

**TrailingStop\_OnceOnBar** - If true, trailing works once at bar close. This allows you to match



the results of testing for ticks, control points, and opening prices, which significantly accelerates the optimization

**TrailingStopStart** - Profit of trade in pips, from which starts trailing stop

**TrailingStop** - Value of trailing stop in pips

**BreakEven\_Use** - If true, activation of breakeven

**BreakEven\_OnceOnBar** - If true, the breakeven works once at bar close

**BreakEvenStart** - Profit of trade in pips, from which starts breakeven

**BreakEvenLevel** - level on which sets SL. We get BreakEvenStart minus BreakEvenLevel pips profit

## ADDITIONAL ORDERS

**PendingOrders** - If true, allow pending orders

**LimitOrders** - If true, allow orders BuyLimit and SellLimit

**StopOrders** - If true, allow orders BuyStop and SellStop

**TotalPendingOrders** - Total number of pending orders of all types. If allowed Limit Orders and Stop Orders, the orders of both types will be equally

**DistanceLIMIT** - Distance of opening between each limit order in pips

**DistancekoefLIMIT** - Coefficient changing the distance of each following limit order relative to the previous

**DistanceSTOP** - Distance of opening between each stop order in pips

**DistancekoefSTOP** - Coefficient changing the distance of each following stop order relative to the previous

**Lotkoef** - Coefficient changing the lot size of each of the next order in the same direction. Since first trade lot, we multiply each following order in grid at a given coefficient

**PendingsLot** - Lot size for all pending orders (works if Lotkoef = 0)

**MainSLTP** - If true, put on all orders stop loss and take profit of first trade

**PendingsSL** - Stop loss value in pips, which is exposed to a certain distance from each pending order (works if MainSLTP = false)

**PendingsTP** - Take profit value in pips, which is exposed to a certain distance from each pending order (works if MainSLTP = false)

**PROTECTION FROM DRAWDOWNS** - This block stops Expert Advisor at the occurrence of a given drawdown. In the tab "Account History" is better select "All history" to consider all closed trades for a certain magic number.

**Drawdown\_control** - If true, allow protection from drawdowns

**Date\_starting** - date in yyyy.mm.dd format from which takes into account the total loss (drawdown) by closed transactions of the EA (by Magic\_N)

**Drawdown\_in\_pips** - If true, count the drawdown in pips

**Pips** - Value of the drawdown in pips

**Drawdown\_in\_deposit\_currency** - If true, count the drawdown in deposit currency

**Currency** - Value of the drawdown in deposit currency

**Alert** - If true, issuing an alert by the occurrence of a critical drawdown on the screen

**Mail** - If true, send email

**Push** - If true, send push message to the phone

**SignalShift** - Shift of signal in bars to open trade

**Magic\_N** - Magic number. If several experts working on one symbol, they must have a different magic number.