MA BOUNCE STRATEGY FOR MT4 INDICATOR - USER GUIDE

7 March 2024

Indicator Version

MA Bounce Strategy for MT4 version 1.3.
MA Bounce Strategy for MT5 version 1.3.

MA Bounce Strategy Indicator

There is an indicator which can help to identify and find place for potential market entry by MA bounce strategy.
Indicator can be downloaded by this links:
Version for MetaTrated 4: https://www.mql5.com/en/market/product/63190
Version for MetaTrated 5: https://www.mql5.com/en/market/product/63191

MA Bounce Strategy Indicator is well complemented with Trend Power indicator:
Version for MetaTrated 4: https://www.mql5.com/en/market/product/53102
Version for MetaTrated 5: https://www.mql5.com/en/market/product/53104

MA Bounce Strategy description: https://www.mql5.com/en/blogs/post/743037.

MA Bounce Strategy Indicator User Guide

This article is a User Guide for MA Bounce Strategy Indicator. It describes all its parts and parameters.

MA Bounce Strategy Indicator contains five parts:

1. Trend identification;
2. Trend power identification;
3. ZigZag Pattern identification;
4. Correlations identification;
5. Bounce identification;
6. Candlestick pattern identification;

Trend identification

Trend identification is defining of trend direction, uptrend or downtrend. Trend direction is identified when 2 different moving averages is aligned at Trading timeframe and at Higher timeframe. By default, these moving averages are 200SMA and 50EMA. Trend is defining bullish if 50EMA > 200SMA for trading timeframe (by default M15) and also for higher timeframe (by default H1).

Trend power identification

Trend Power Identification is an algorithm for identification strength of trend. For that purpose, it operates with trend power points. Maximum 3 points for trading timeframe (by default M15) and 3 points for higher timeframe (by default H1). For trend power identifications fast moving averages and market current price are used. Be default moving averages are 6EMA, 18EMA.

If 18EMA > 50EMA for trading timeframe and for bullish trend then one trend power point is added,

If 6EMA > 18EMA for trading timeframe and for bullish trend then another one trend power point is added,

If Current Market Price > 6EMA for trading timeframe and for bullish trend then another one trend power point is added,

All the same algorithms are applying for higher timeframe. Thus, we have 6 trend power point maximum. All these steps work with bearish trend also.

ZigZag Pattern Identification

It identifies patterns like higher high and higher low for bullish trend and Lower high and lower low for bearish trend.
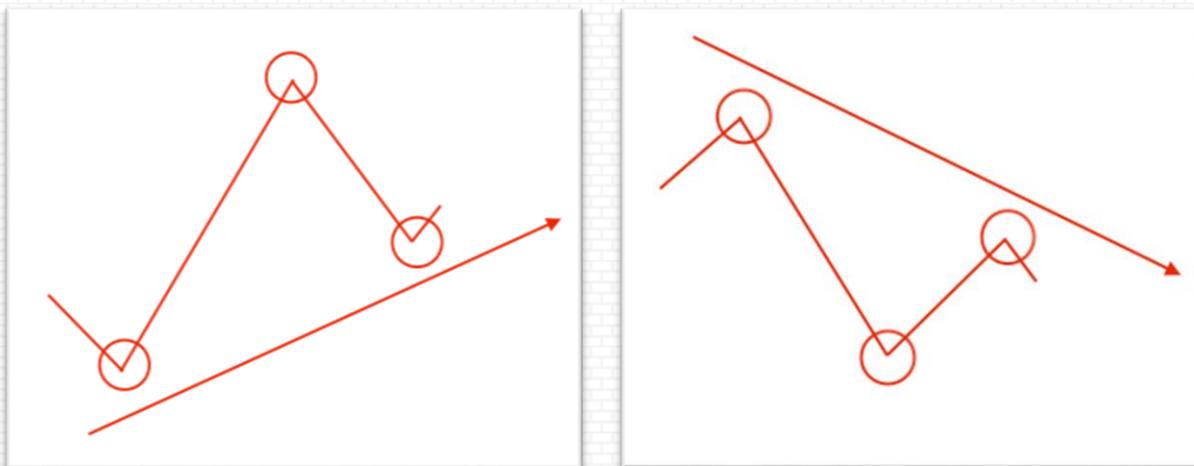
Correlations Identification

Correlations is very important thing for bounce strategy. Then more currency correlations then more winning odds of the trade. It seeks for correlated pairs with base and quote currencies. Pair is defined as correlated if trend direction is the same as current pair and trend power meets the specified criteria at indicator parameters. Trend direction and trend power is defined by moving averages alignment.

Bounce identification

Bounce identification is a market state when price is bouncing from one of specified moving average. Bounce identification processor contains many algorithms to identify good quality of moving average bouncing. Also, these algorithms are constantly improved.

Candlestick pattern identification

Currently it's possible to identify Bullish Pinbar for bullish trend and Bearish Pinbar for bearish trend.
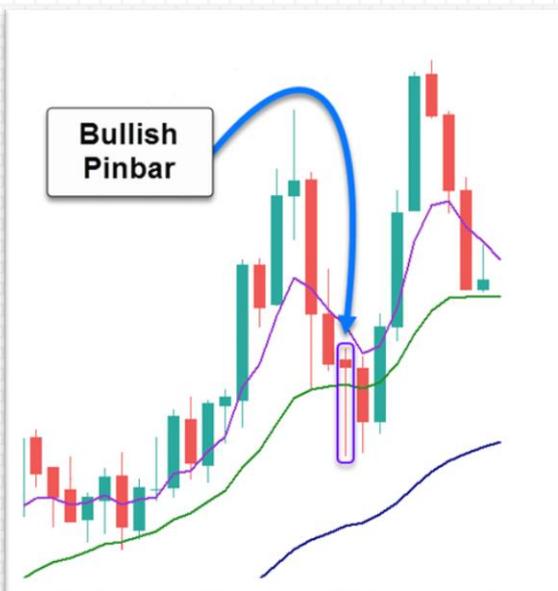
Indicator Parameters Description

General Config

Parameter Name	Type	Default Value	Description
Latency (Refresh delay in seconds) 0 means every tick	int	1	Latency (Refresh delay in seconds) 0 means every tick. Higher values reduce flickering. Lower values increase responsiveness.
Log level	LogLevel	LogLevel::Error	Identify which log level will be printed. LogLevel::Trace - Print Trace, Info, Warning, Error and Critical messages; LogLevel::Info - Print Info, Warning, Error and Critical messages;

			LogLevel::Warning - Print Warning, Error and Critical messages;
			LogLevel::Error - Print Error and Critical messages;
			LogLevel::Critical - Print Critical messages;

Symbol Config

Parameter Name	Type	Default Value	Description
Symbols source type	Currencies ProviderType	CHART_SYMBOLS	Symbols source type for monitoring of MA Bounce Strategy. CurrenciesProviderType::MARKET_WATCH [Symbols from the Market Watch List] - monitoring for strategy all available symbols on market watch list; CurrenciesProviderType::ALL_SYMBOLS [All available symbols] - monitoring for strategy all available symbols on current trading account; CurrenciesProviderType::SPECIFIED_SYMBOLS [List of specified symbols by user] - monitoring for strategy only specified by user symbols at "Symbols specified by user (EURUSD;USDJPY)" indicator property; CurrenciesProviderType::CHART_SYMBOLS [Symbol for current chart] - monitoring for strategy only current chart symbol;
Symbols specified by user (EURUSD;USDJPY)	string		User specified symbol for monitoring of MA Bounce Strategy. This property makes affect only if "Symbols source type" indicator property is set to CurrenciesProviderType::SPECIFIED_SYMBOLS. Symbols have to be separated with ";" sign.

Trend Identification Config

Parameter Name	Type	Default Value	Description
Trading time frame	ENUM_TIMEFRAMES	PERIOD_M15	Period of trading timeframe.
Higher time frame	ENUM_TIMEFRAMES	PERIOD_H1	Period of higher timeframe.
Period of fast moving average	int	50	Period of fast moving average for trend identification.
Type of fast moving average	ENUM_MA_METHOD	MODE_EMA	Mode of fast moving average. ENUM_MA_METHOD::MODE_SMA - Simple averaging; ENUM_MA_METHOD::MODE_EMA - Exponential averaging; ENUM_MA_METHOD::MODE_SMMA - Smoothed averaging; ENUM_MA_METHOD::MODE_LWMA - Linear-weighted averaging;

Parameter Name	Type	Default Value	Description
Price mode of fast moving average	ENUM_APPLIED_PRICE	PRICE_CLOSE	Price mode of fast moving average. PRICE_CLOSE - Close price; PRICE_OPEN - Open price; PRICE_HIGH - The maximum price for the period; PRICE_LOW - The minimum price for the period; PRICE_MEDIAN - Median price, (high + low)/2; PRICE_TYPICAL - Typical price, (high + low + close)/3; PRICE_WEIGHTED - Weighted close price, (high + low + close + close)/4;
Period of slow moving average	int	200	Period of slow moving average for trend identification.
Type of slow moving average	ENUM_MA_METHOD	MODE_SMA	Mode of slow moving average. ENUM_MA_METHOD::MODE_SMA - Simple averaging; ENUM_MA_METHOD::MODE_EMA - Exponential averaging; ENUM_MA_METHOD::MODE_SMMA - Smoothed averaging; ENUM_MA_METHOD::MODE_LWMA - Linear-weighted averaging;
Price mode of slow moving average	ENUM_APPLIED_PRICE	PRICE_CLOSE	Price mode of slow moving average. PRICE_CLOSE - Close price; PRICE_OPEN - Open price; PRICE_HIGH - The maximum price for the period; PRICE_LOW - The minimum price for the period; PRICE_MEDIAN - Median price, (high + low)/2; PRICE_TYPICAL - Typical price, (high + low + close)/3; PRICE_WEIGHTED - Weighted close price, (high + low + close + close)/4;
Use current price for trend identification	CurrentPriceType	CurrentPriceType::CANDLE_PRICE	Current price for trend identification (by default it's Price > 50EMA > 200SMA for bullish and opposite for bearish). CurrentPriceType::BID_PRICE - Use BID price as current market price; CurrentPriceType::CANDLE_PRICE - Use candle high price as current market price for uptrend and candle low price as current market price for downtrend; CurrentPriceType::IGNORE_PRICE - ignore current market price and use formula fast MA (50EMA) > slow MA (200SMA) for bullish and opposite for bearish;
Candle extension ratio (used if "Candle price" type is selected)	double	0.0	Candle price extension ratio. Used only if CurrentPriceType::CANDLE_PRICE is selected for " Use current price for trend identification" property. Formula: Candle high = candle high + ((candle high - candle low) * Candle extension ratio); Candle low = candle low - ((candle high - candle low) * Candle extension ratio);

Trend Power Identification Config

Parameter Name	Type	Default Value	Description

Period of fast trend power moving average	int	6	Period of fast moving average for trend power identification.
Type of fast trend power moving average	ENUM_MA_METHOD	MODE_EMA	Mode of fast moving average for trend power identification. ENUM_MA_METHOD::MODE_SMA - Simple averaging; ENUM_MA_METHOD::MODE_EMA - Exponential averaging; ENUM_MA_METHOD::MODE_SMMA - Smoothed averaging; ENUM_MA_METHOD::MODE_LWMA - Linear-weighted averaging;
Price of fast trend power moving average	ENUM_APPLIED_PRICE	PRICE_CLOSE	Price mode of fast moving average for trend power identification. PRICE_CLOSE - Close price; PRICE_OPEN - Open price; PRICE_HIGH - The maximum price for the period; PRICE_LOW - The minimum price for the period; PRICE_MEDIAN - Median price, (high + low)/2; PRICE_TYPICAL - Typical price, (high + low + close)/3; PRICE_WEIGHTED - Weighted close price, (high + low + close + close)/4;
Period mode of slow trend power moving average	int	18	Period of slow moving average for trend power identification.
Type of slow trend power moving average	ENUM_MA_METHOD	MODE_EMA	Mode of slow moving average for trend power identification. ENUM_MA_METHOD::MODE_SMA - Simple averaging; ENUM_MA_METHOD::MODE_EMA - Exponential averaging; ENUM_MA_METHOD::MODE_SMMA - Smoothed averaging; ENUM_MA_METHOD::MODE_LWMA - Linear-weighted averaging;
Price mode of slow trend power moving average	ENUM_APPLIED_PRICE	PRICE_CLOSE	Price mode of slow moving average for trend power identification. PRICE_CLOSE - Close price; PRICE_OPEN - Open price; PRICE_HIGH - The maximum price for the period; PRICE_LOW - The minimum price for the period; PRICE_MEDIAN - Median price, (high + low)/2; PRICE_TYPICAL - Typical price, (high + low + close)/3; PRICE_WEIGHTED - Weighted close price, (high + low + close + close)/4;
Use current price for trend power identification	CurrentPriceType	CANDLE_PRICE	Current price for trend power identification. CurrentPriceType::BID_PRICE - Use BID price as current market price; CurrentPriceType::CANDLE_PRICE - Use candle high price as current market price for uptrend and candle low price as current market price for downtrend; CurrentPriceType::IGNORE_PRICE - ignore current market price and use only MAs
Candle extension ratio (used if	double	0.2	Candle price extension ratio. Used only if CurrentPriceType::CANDLE_PRICE is selected for "Use

Parameter Name	Type	Default Value	Description
"Candle price" type is selected)			current price for trend power identification" property. Formula: Candle high = candle high + ((candle high - candle low) * Candle extension ratio); Candle low = candle low - ((candle high - candle low) * Candle extension ratio);

Correlation Identification Config

Parameter Name	Type	Default Value	Description
Trend power weight for trading timeframe (from 0 to 3)	int	0	Trend power weight of correlated pairs for trading timeframe (M15 by default). Trend power weight is algorithm for calculation of trend power. Minimum weight is 0. Maximum weight is 3. 0 - Do not calculate trend power. Maximum trend power for this algorithm is 0. 1 - Price > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 1 (each satisfied condition adds 1 trend power point). 2 - Price > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 2 (each satisfied condition adds 1 trend power point). 3 - Price > Trend power fast MA (6EMA) > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 3 (each satisfied condition adds 1 trend power point); Conditions are checked by priority from highest to lowest. If more higher priority condition is not satisfied then next condition will not be checked. For example, if this property is set to 3 then First condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA). And if this condition is true then one point of trend power will be added and next condition will be checked. If this condition is false then a point of trend power will not be added and next condition will not be checked. Second condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA). It uses the same rules as for first condition. Third condition is: Price > Trend power fast MA (6EMA). It uses the same rules as for first condition.
Min trend power for trading timeframe (from 0 to 3)	int	0	Min required trend power for trading timeframe to make rectangle of correlation indicator signaled. This property must not be higher than value from "Trend power weight for trading timeframe" property.
Trend power weight for higher	int	1	Trend power weight of correlated pairs for higher timeframe (H1 by default). Trend power weight is algorithm for

timeframe (from 0 to 3)			calculation of trend power. Minimum weight is 0. Maximum weight is 3. 0 - Do not calculate trend power. Maximum trend power for this algorithm is 0. 1 - Price > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 1 (each satisfied condition adds 1 trend power point). 2 - Price > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 2 (each satisfied condition adds 1 trend power point). 3 - Price > Trend power fast MA (6EMA) > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 3 (each satisfied condition adds 1 trend power point); Conditions are checked by priority from highest to lowest. If more higher priority condition is not satisfied then next condition will not be checked. For example, if this property is set to 3 then First condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA). And if this condition is true then one point of trend power will be added and next condition will be checked. If this condition is false then a point of trend power will not be added and next condition will not be checked. Second condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA). It uses the same rules as for first condition. Third condition is: Price > Trend power fast MA (6EMA). It uses the same rules as for first condition.
Min trend power for higher timeframe (from 0 to 3)	int	1	Min required trend power for higher timeframe to make rectangle of correlation indicator signaled. This property must not be higher than value from "Trend power weight for higher timeframe" property.
Correlation type	Correlation Type	CorrelationType::BOTH	Type of correlation pair. CorrelationType::BASE - Searching correlations only with base currency; CorrelationType::QUOTE - Searching correlations only with quote currency; CorrelationType::BOTH - Searching correlations with base and quote currency;
Correlation source type	Correlation SourceType e	CorrelationSourceType::MARKETWATCH	Source of pairs from which correlation will be calculated. CorrelationSourceType::MARKETWATCH - All pairs from market watch list; CorrelationSourceType::ALL - All available pairs from current broker;

			Current price for trend power identification of correlated pairs. CurrentPriceType::BID_PRICE - Use BID price as current market price; CurrentPriceType::CANDLE_PRICE - Use candle high price as current market price for uptrend and candle low price as current market price for downtrend; CurrentPriceType::IGNORE_PRICE - ignore current market price and use only MAs
Use current price for trend power identification	CurrentPriceType	CurrentPriceType::CANDLE_PRICE	
Candle extension ratio (used if "Candle price" type is selected)	double	0.2	Candle price extension ratio. Used only if CurrentPriceType::CANDLE_PRICE is selected for " Use current price for trend power identification" property. Formula: Candle high = candle high + ((candle high - candle low) * Candle extension ratio); Candle low = candle low - ((candle high - candle low) * Candle extension ratio);

ZigZag Pattern Config

Parameter Name	Type	Default Value	Description
Depth of ZigZag pattern	int	6	Depth is the minimum number of bars with no second maximum or minimum deviation from the bar.
Deviation of ZigZag pattern	int	5	Deviation is the number of pips or points (depending on the market) after the previous minimum or maximum is formed.
Backstep of ZigZag pattern	int	3	Backstep reflects the minimum amount of bars between which the high and low can be plotted.
Is start at depth of swing	bool	true	If true ZigZag pattern is checked at depth of swing (when appears low point for bullish or high point of bearish). Otherwise, ZigZag pattern is checked as new point is appeared It can be low or high point. This picture demonstrates how it works. ZigZag pattern will be valid only if this property is set to "true" value.
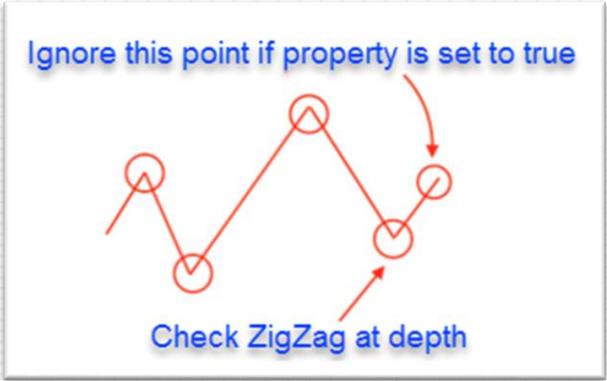
Moving Average Bounce Config

Parameter Name	Type	Default Value	Description

Moving Average bounce expression	string	18:1:0;50:1:0	Expression for moving averages description. This expression describes from which moving averages bounce should be. Their periods, methods and applied prices. Expression has such format [Period]:[Method]:[AppliedPrice]. [Period] - it's a period of a moving average. [Method] - it's a method of a moving average. It can be one of [0 - SMA (Simple averaging), 1 - EMA (Exponential averaging), 2 - SMMA (Smoothed averaging), 3 - LWMA (Linear-weighted averaging)]. [AppliedPrice] - it's a price which will be applied to moving average. It can be one of [0 - CLOSE, 1 - OPEN, 2 - HIGH, 3 - LOW, 4 - MEDIAN, 5 - TYPICAL, 6 - WEIGHTED]. Expression can be repeated to search a bounce from several moving averages. Each expression should be separated with ";" sign. For example expression to describe 2 moving averages should look like this: [Period]:[Method]:[AppliedPrice]; [Period]:[Method]:[AppliedPrice].
Distance from Moving Average, 0 - means exact bounce	int	0	It's a maximum distance in points (the smallest price movement) between moving average and candle close price. If distance between moving average and candle close price less or equal to this value then algorithm considers that there is a MA bounce. If value is set to 0 then algorithm considers MA bounce exactly at bouncing time. Recommended value is 0. At this case it's executed many algorithms to improve quality of signal. For example, ignoring candle with opposite direction from trend. Ignoring candle if they close below of bouncing moving average for bullish trend and opposite for bearish trend. And many other algorithms.

Candlestick Pattern Config

Parameter Name	Type	Default Value	Description
Pinbar Pattern Config	**string**	**Description**	**Description**
Bullish Pinbar Pattern Config	**string**	**Description**	**Description**
Is bullish pinbar pattern enabled	bool	true	If this property is true then a search for bullish Pinbar candlestick pattern is performed. Otherwise, this candlestick pattern is ignored.
Max bullish pinbar size in points, (-1 ignore)	double	-1.0	It's a maximum allowed size of bullish pinbar in points. Size is calculated by subtraction high and low of candle. To ignore this condition input -1 value.
Min bullish pinbar size in points	double	20.0	It's a minimum allowed size of bullish pinbar in points. Size is calculated by subtraction high and low of candle.

Max bullish pinbar body size to candle size ratio, (-1 ignore)	double	-1.0	It's a maximum size of pinbar's body. It's calculated by ratio to full pinbar size. To ignore this condition input -1 value.
Min bullish pinbar body size to candle size ratio	double	0.0	It's a minimum size of pinbar's body. It's calculated by ratio to full pinbar size.
Bullish pinbar type	CandleDirectionType	CANDLE_ANY	Which candle type is be used for bullish pinbar identification. CandleDirectionType::CANDLE_BEARISH - Bearish candle (open price above close price); CandleDirectionType::CANDLE_BULLISH - Bullish candle (open price below close price); CandleDirectionType::CANDLE_NEUTRAL - Neutral (doji candle); CandleDirectionType::CANDLE_ANY - No Restrictions (Bearish, Bullish and Neutral);
Max bullish pinbar upper tail to candle ratio, (-1 ignore)	double	-1.0	It's a maximum size of pinbar's upper tail. It's calculated by ratio to full pinbar size. To ignore this condition input -1 value.
Min bullish pinbar upper tail to candle ratio	double	0.0	It's a minimum size of pinbar's upper tail. It's calculated by ratio to full pinbar size.
Max bullish pinbar lower tail to candle ratio, (-1 ignore)	double	-1.0	It's a maximum size of pinbar's lower tail. It's calculated by ratio to full pinbar size. To ignore this condition input -1 value.
Min bullish pinbar lower tail to candle ratio	double	0.5	It's a minimum size of pinbar's lower tail. It's calculated by ratio to full pinbar size.
Bearish Pinbar Pattern Config	**string**	**Description**	**Description**
Is bearish pinbar pattern enabled	bool	true	If this property is true then a search for bearish Pinbar candlestick pattern is performed. Otherwise, this candlestick pattern is ignored.
Max bearish pinbar size in points, (-1 ignore)	double	-1.0	It's a maximum allowed size of bearish pinbar in points. Size is calculated by subtraction high and low of candle. To ignore this condition input -1 value.
Min bearish pinbar size in points	double	20.0	It's a minimum allowed size of bearish pinbar in points. Size is calculated by subtraction high and low of candle.
Max bearish pinbar body size to candle size ratio, (-1 ignore)	double	-1.0	It's a maximum size of pinbar's body. It's calculated by ratio to full pinbar size. To ignore this condition input -1 value.

Min bearish pinbar body size to candle size ratio	double	0.0	It's a minimum size of pinbar's body. It's calculated by ratio to full pinbar size.
Bearish pinbar type	CandleDirectionType	CANDLE_ANY	Which candle type is be used for bearish pinbar identification. CandleDirectionType::CANDLE_BEARISH - Bearish candle (open price above close price); CandleDirectionType::CANDLE_BULLISH - Bullish candle (open price below close price); CandleDirectionType::CANDLE_NEUTRAL - Neutral (doji candle); CandleDirectionType::CANDLE_ANY - No Restrictions (Bearish, Bullish and Neutral);
Max bearish pinbar upper tail to candle ratio, (-1 ignore)	double	-1.0	It's a maximum size of pinbar's upper tail. It's calculated by ratio to full pinbar size. To ignore this condition input -1 value.
Min bearish pinbar upper tail to candle ratio	double	0.5	It's a minimum size of pinbar's upper tail. It's calculated by ratio to full pinbar size.
Max bearish pinbar lower tail to candle ratio, (-1 ignore)	double	-1.0	It's a maximum size of pinbar's lower tail. It's calculated by ratio to full pinbar size. To ignore this condition input -1 value.
Min bearish pinbar lower tail to candle ratio	double	0.0	It's a minimum size of pinbar's lower tail. It's calculated by ratio to full pinbar size.

Notifications Config

Parameter Name	Type	Default Value	Description
Notifications process interval in sec	int	10	Interval for processing of notifications conditions (higher value reduce CPU usage).

MA Bounce Notification Config

Parameter Name	Type	Default Value	Description
Enable MA bounce alerts	bool	true	Send notification via MetaTrader Alert system.
Enable MA bounce email notification	bool	false	Send notification via Email.

Enable MA bounce push notification	bool	false	Send notification via mobile Push.
Notification's execution	NotificationExecution	NotifyAsSoonAsPossible	Notification's execution type. NotificationExecution::NotifyAsSoonAsPossible - instantly send notification as all conditions are met; NotificationExecution::NotifyOnceCandleClose - send notification as N-Period candle is closed if all conditions are met;
Candle period for Notification's execution	ENUM_TIMEFRAMES	PERIOD_CURRENT	Candle period for sending notification if NotificationExecution::NotifyOnceCandleClose is selected for " Notification's execution" property.
Min delay for the same notification (sec)	int	5400	Delay time between sending the same notification if all conditions will be met several times.
Signal Code	string	[MA Bounce]	Prefix before message of MA Bounce notification.
Use short message form of notification	bool	false	If true then uses short form of message for MA Bounce notification, otherwise uses full form of message.
Show notifications arrows on chart	bool	true	If true then shows arrow on a chart when MA Bounce notification is thrown.
Trend power weight for trading timeframe (from 0 to 3)	int	2	Trend power weight for trading timeframe (M15 by default). Trend power weight is algorithm for calculation of trend power. Minimum weight is 0. Maximum weight is 3. 0 - Do not calculate trend power. Maximum trend power for this algorithm is 0. 1 - Price > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 1 (each satisfied condition adds 1 trend power point). 2 - Price > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 2 (each satisfied condition adds 1 trend power point). 3 - Price > Trend power fast MA (6EMA) > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 3 (each satisfied condition adds 1 trend power point); Conditions are checked by priority from highest to lowest. If more higher priority condition is not satisfied then next condition will not be checked. For example, if this property is set to 3 then First condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA).

			And if this condition is true then one point of trend power will be added and next condition will be checked. If this condition is false then a point of trend power will not be added and next condition will not be checked. Second condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA). It uses the same rules as for first condition. Third condition is: Price > Trend power fast MA (6EMA). It uses the same rules as for first condition.
Min trend power for trading timeframe (from 0 to 3)	int	2	Minimum required trend power for trading timeframe. It's a condition which have to be satisfied for notification sending. This property value must not be higher than value from "Trend power weight for trading timeframe (from 0 to 3)" property.
Trend power weight for higher timeframe (from 0 to 3)	int	2	Trend power weight for higher timeframe (H1 by default). Trend power weight is algorithm for calculation of trend power. Minimum weight is 0. Maximum weight is 3. 0 - Do not calculate trend power. Maximum trend power for this algorithm is 0. 1 - Price > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 1 (each satisfied condition adds 1 trend power point). 2 - Price > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 2 (each satisfied condition adds 1 trend power point). 3 - Price > Trend power fast MA (6EMA) > Trend power slow MA (18EMA) > Trend fast MA (50EMA) for bullish and opposite for bearish (if "Use current price for trend power identification" property is CurrentPriceType::IGNORE_PRICE then Price condition is ignoring). Maximum trend power for this algorithm is 3 (each satisfied condition adds 1 trend power point); Conditions are checked by priority from highest to lowest. If more higher priority condition is not satisfied then next condition will not be checked. For example, if this property is set to 3 then First condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA). And if this condition is true then one point of trend power will be added and next condition will be checked. If this condition is false then a point of trend power will not be added and next condition will not be checked. Second condition is: Trend power slow MA (18EMA) > Trend fast MA (50EMA). It uses the same rules as for first condition. Third condition is: Price > Trend power fast MA (6EMA). It uses the same rules as for first condition.
Min trend power for higher timeframe (from 0 to 3)	int	2	Minimum required trend power for higher timeframe. It's a condition which have to be satisfied for notification sending. This property value must not be higher than value from "Trend power weight for higher timeframe (from 0 to 3)" property.

Min correlations with base currency	int	1	Minimum required correlations with base currency. It's a condition which have to be satisfied for notification sending.
Min correlations with quote currency	int	1	Minimum required correlations with quote currency. It's a condition which have to be satisfied for notification sending.
Min total correlations	int	3	Minimum required total correlations. It's a condition which have to be satisfied for notification sending.
Min correlation scores	int	20	Minimum required correlation scores. It's a condition which have to be satisfied for notification sending.
ZigZag pattern	bool	true	Should been ZigZag pattern. It's a condition which have to be satisfied for notification sending.
Require Moving Average bounce	bool	true	Should been bounce from moving average. It's a condition which have to be satisfied for notification sending.

Chart examples

MA Bounce Strategy for MT5 1.00

Common | Inputs | Colors | Visualization

MA Bounce Strategy for MT5 1.00

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MA Bounce Strategy for MetaTrader 5.
This indicator helps to find trading market entries for MA bounce strategy.

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☐ Allow modification of Signals settings

OK | Cancel | Reset

🔔 Alert   ?   ✕

🔔 [MA Bounce] Bearish signal for AUDCAD (3, 3, 4, 5, 9, 35, True, Bounce MODE_EMA18) at 2021.03.05 23:54:59

Signal code = [MA Bounce];
Signal type = Bearish;
Signal server time = 2021.03.05 23:54:59;
Signal local time = 2021.03.06 15:20:10;
Symbol = AUDCAD;
Trend power for trading timeframe = 3;
Trend power for higher timeframe = 3;
Correlations with base currency = 4;
Correlations with quote currency = 5;
Total correlations = 9;

🔔 15:20:10   [MA Bounce] Bearish signal for AUDCAD (3, 3, 4, 5, 9, 35, True, Bounce MODE_EMA18) at 2...

OK