



# Safety Net FIFO EA v1.0

<http://www.pointzero-trading.com/Products/view/PZSafetyNetFIFOEA>

## User Guide



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## 1. WHAT THIS EA IS

Safety Net FIFO EA is a Metatrader4 Expert Advisor that provides a correct framework for your trading activity for US based, NFA/FIFO Brokers. It provides proper risk calculations and a very smart position management strategy that will manage your trades automatically and recover your trading losses. By properly using this expert advisor, your trading losses will be almost gone overnight, with occasional exceptions.

Once the EA is attached to the chart and properly configured, all you need to do is take trades by clicking “buy” or “sell” on the chart buttons displayed at the top-right corner of the chart or enable one of the automated entry strategies the EA offers.

Once a trade is taken, the EA will then take over position management for you and all you have to do is wait until the chart is flat -no trades- to trade again. It is paramount not to meddle with the initial trade once a recovery trade has been placed.

This EA implements an averaging recovery strategy made simple for the retail user. Input parameters are limited and understandable. Most inputs of the EA are drop-down menus which makes it almost impossible for the user to enter unreasonable values. Any parameter that can be auto-calculated by the EA has been removed from the inputs to avoid confusion. Others have been broken down into ratios based on others.

This expert advisor is, probably, one of the most effective loss recovery expert advisor you can find on the internet, and also very easy to use. I have spent a tremendous amount of time coding the visual elements of this tool, to make sure you understand how it works and to make the EA behave as you'd expect it to, in a predictable fashion.

This user guide will allow you to understand the EA and start trading in one hour.

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### IMPORTANT

If your broker allows hedging, you should use [Safety Net EA](#) instead.

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## 2. WHAT DOES IT DO

Once a trade has been taken, one of the two scenarios will take place.

a) The trade is correct – if your trade goes into profits, the EA will apply a straightforward management comprised of a break-even in pips and a trailing-stop until the trade is stopped out at a profit. Optionally, you can set a take-profit in pips which is evaluated in stealth mode – without sending the take-profit order to the broker-

b) The trade goes straight into losses – If your initial trade is incorrect and goes into red, the EA will apply an averaging strategy to exit the deal at a small profit, placing consecutive market orders in the same direction, increasing the distance between these orders and the lot size, until an exit point is reached, or until the trade plan is fully allocated. a

Occasionally, the trade plan will be fully allocated without reaching an exit point and the price will go against the deal enough to justify closing the deal at a loss. The loss the EA will take in this moment is the pre-calculated one.

### 3. WHAT BROKER TO USE AND WHAT TO TRADE

The EA can be applied to any symbol offered by your broker.

That being said, you should avoid...

- Symbols with big swap costs
- Futures with rollover fees

If you are not an US Resident and hedging is allowed in your broker, you should use [Safety Net EA](#) instead, the hedging counterpart of Safety Net FIFO EA, because by hedging, deals are closed faster than using averaging.

### 4. LOADING THE EA TO THE CHART

The download page of the product has straightforward download and install instructions which you will be able to follow easily. Once the EA has been installed in your Metatrader4 platform, load it to an empty chart from *navigator->expert advisors*.

The EA can be loaded to any timeframe without making any change in settings: since the EA does not use high-low-close-open data from the chart, the timeframe where it is loaded is irrelevant. You can change between timeframes, even if the recovery process is active, without problems and without need of changing the settings.



Congratulations! You have loaded the EA to the chart and it is displaying a lot of information which you'll need to understand to make good decisions. Information is grouped and displayed in different corners of the chart.

- The *top-right* corner holds risk allocation and displays the risk profile
- The *top-left* corner holds current settings and market conditions
- The *bottom* of the chart holds information for the current symbol

You will also see four horizontal colored lines. The solid blue line is the average price of a long deal, if the trade plan is fully allocated. The solid red line is the average price of a short deal, if the trade plan is fully allocated. These solid lines are the exit prices, if the trade plan is fully allocated. The dashed lines are the outer ranges of both deals. Leave it at that for now, we will review all this information further in the user guide.

## 5. THE RISK SETTINGS

The risk allocation is directly related to the recovery inputs the EA makes available for you. It is your job to enter the recovery settings which best fit your trading activity, and to do so **before** taking a single trade.

The *maximum net exposure* is the total exposure your account will have if all trade plan is allocated.

The *maximum drawdown* is the maximum loss expressed as percentage of balance the EA has calculated you will suffer if all the trades of the recovery process must be closed at a loss.

The EA will evaluate the maximum drawdown and display risk allocation as **safe**, **aggressive** or **dangerous**.



The risk responds to total exposure, and the total exposure depends directly of the recovery settings of the EA. This means that you can edit the settings of the EA to tailor the risk for each symbol to your liking. To do so, you'll need to change the following parameters. As you read the guide, feel free to play around with them and see the impact on the risk and total exposure on the chart.

- **Blocks of trades:** This parameter is the amount of blocks of trades which are going to be placed during the recovery process. A block of trades can have any number of trades, which is controlled with other parameter. The recovery process is separated into blocks because spacing and lot size increase from one block to the next. More blocks make the recovery process more aggressive, uses more free margin and means more exposure -and drawdown-.
- **Trades per block:** This parameter controls the amount of trades existing in a block. All the trades of a block have the same spacing between them and are of the same lot size. Generally speaking, you can have a recovery process built up of several blocks of only a few trades -which is very aggressive-, or a recovery process built up of very few blocks with several trades in it, which is more conservative.
- **Spacing in pips:** This parameter controls the spacing in pips between trades of the same block. A small spacing makes the recovery process faster, but makes it easier for the market to allocate your trade plan.
- **Profit Target in Pips:** The profit target only applies during the recovery process and is the amount of pips you want to earn before closing all trades. A higher profit target means that deals will take more time to close, and a small target means deals will close faster, allowing more rotation in your trades. This value can be changed in real time: for instance, as a deal grows larger you might want to decrease this value to accelerate the closing.
- **Lotsize Multiplier:** The EA increases the lot size when the recovery process jumps from one block of trades to the next. A high multiplier makes the recovery process faster, but uses more margin doing so.
- **Spacing Multiplier:** The EA increases the spacing between trades when the recovery process jumps from one block to the next. The spacing multiplier affects the price range in which the recovery process acts. A high multiplier means that the recovery process covers more price but the exit of the deals will take more time.

The above explained risk settings allow for infinite combinations. For instance, if you don't want to trade with 0.01 lots because your trades are often accurate, you can increase the initial lot size and then decrease the amount of trades in the recovery process or multipliers, to lower the risk back to a safe level.

Play around with these settings until you find a reasonable risk for each pair you are trading.

In the EA input list, all parameters affecting the risk are highlighted with a \*\* in their name.

## Example of a long deal

	Buy 0.01	<b>1st block</b> 3 trades per block
	Buy 0.01	
	Buy 0.01	
	Buy 0.02	<b>2nd block</b> 3 trades per block
	Buy 0.02	
	Buy 0.02	
	Buy 0.06	<b>3rd block</b> 3 trades per block
	Buy 0.06	
	Buy 0.06	

## 6. MULTI-PAIR RISK CONSIDERATIONS

If you are going to trade several pairs, as we all do, it is imperative that you know that **risks aggregate**. For instance if you trade EURUSD, GBPUSD and USDJPY with a risk of **15% each** and you take a trade in all those at the same time, the total risk is actually **45%**, which is not good, even though the EA will say that the risk is safe for those pairs individually.

The above happens because you are setting into motion three trade plans which, god forbid, can be fully allocated at the same time, incurring into a combined loss on the three symbols at the same time.

So, what can you do to keep risk in check? You should configure the EA in all the pairs you want to trade, which can be as many as you like, and then make sure not to trade more than 2 pairs simultaneously. For example, you can configure a 10% risk in all pairs and avoid having more

than two active pairs, limiting the final exposure to a 20% of your account.

The amount of simultaneous pairs you want to trade call for different settings, regardless of the risk profile displayed on screen. If, on the other hand, you want to trade only EURUSD you can configure the EA to behave aggressively.



In the above example, we have the following risks for each pair:

- 15,45% for EURUSD
- 10,90% for GBPUSD
- 10.41% for USDJPY

So, the total risk, *if we were to start a trade on these pairs at the same time*, would be **36,76%**. A bit high for my taste, but these settings are wise if we were to have only two active pairs at any given moment.

## 7. SAFETY CHECKS

Once you have configured the EA to have an acceptable individual and aggregated risk for the currencies you wish to trade, it is time to trade! But before that, it is recommended to evaluate market conditions and review the trade plan, just like pilots review weather forecasts before taking off from the airport.

### A) Make sure the exit prices are good

The EA displays two thick lines on the chart, a **blue line** and a **red line**. These are the breakeven points and represent how far away from the current price the exit point will be if the complete trade plan is allocated.





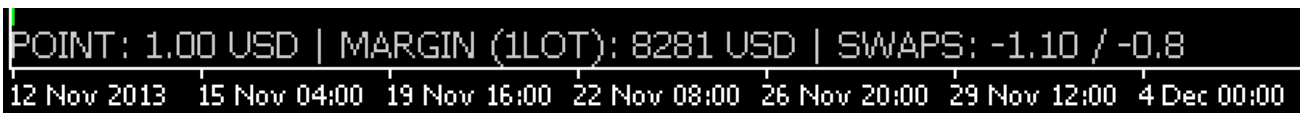
## B) Make sure swaps are acceptable

Just as we pay monthly interest payments to the bank when we purchase a house with borrowed money, we have to pay daily carry costs to the broker when we trade on margin. Swaps reflect the cost to carry the trade from today to tomorrow.

Some brokers artificially inflate the swap costs received from their liquidity provider while keeping a very low spread, which looks good on advertisements and brings in a lot of uninformed customers. But swap costs can pile up very quickly and delay the recovery process, because transaction costs must also be recovered.

If you must trade a symbol with big swaps, try to make the recovery process shorter by decreasing the amount of trades and aggression level of the EA. But it is much better to trade only those pairs offering good swap costs relative to others.

Swap costs are displayed at the bottom of the chart.



## 8. POSITION MANAGEMENT SETTINGS

I know you are eager to trade now, but first let's review the position management settings. The first thing you need to know is that the position management settings only apply to your first trade, and not during the recovery process.

The following parameters control how your initial trade is managed, if your initial trade is correct. Once the second trade of the trade plan is executed, the following settings are completely ignored and the recovery settings come into play.

- **Break-even in pips:** This parameter controls how fast does the EA make the first trade risk free. Once the trade reaches the break-even level, the stop-loss is moved above the entry price, leaving equal distance between the entry price and the current price. For example, a break-even of 10 pips will move the stop-loss to +5 pips when the trade is +10 pips in profit.

A small break-even value will cause more trades to be stopped out at a small profit prematurely, but on the flip side, less trades will fall into the recovery process. A big value aims for longer trades, but will cause more trades to fall into recovery before the break-even applies.

- **Trailing-Stop:** The trailing stop is expressed as percentage of the maximum achieved trade profits. This particular trailing-stop method allows profits to run without neglecting the trailing-stop when profits are small. The actual trailing-stop value in pips will change according to the trade profit.

A 50% trailing stop is a very wide one, leaving 50% of the trade profits as wiggle room for the market. On the other hand, a 10% trailing stop is very tight, leaving only 10% wiggle room for the market before the trailing-stop it hit.

For example, assuming a 20% trailing-stop, values would change as exemplified below.

Max. trade profit in pips	Stop-loss in pips
5 pips	1 pip
10 pips	2 pips
20 pips	4 pips
50 pips	10 pips
100 pips	20 pips
200 pips	40 pips
500 pips	100 pips
1000 pips	200 pips

- **Trailing-Step in pips:** The trailing step in pips represents the minimum increase from the last trailing-stop value. For instance, if you set a trailing-step of 5 pips, the trailing-stop won't be moved unless the new value is at least 5 pips away from the current one, and 5 pips away from the current market price.
- **Take-Profit in pips:** Optionally, you can set a take-profit level in pips for your first order. This take-profit level is not sent to the broker, but evaluated and executed in stealth mode instead. If set to zero, it is not used.

Default settings are risk-averse and will break-even trades fast.

## 9. STARTING TRADES

To take a trade, click on **BUY** or **SELL** button on the chart and the trade will be placed for you with the proper lotsize automatically. These buttons, besides being awfully convenient, are only displayed on the chart when the EA is ready to manage new trade.

Once the initial trade is placed, the trade buttons disappear and a another to close all trades is displayed instead. If you click on it, a confirmation dialog will prompt you for confirmation and close all trades in the chart immediately after if you confirm.



Once the EA is properly configured, your trading activity becomes very simple. All you need to do is taking the initial trade clicking on **BUY** or **SELL**, and then wait until the chart is flat again - no trades- to start a new trade.

Once you have taken the initial trade, a pending order will be placed in the opposite side of the zone matching the second trade of the trade plan. This pending order will be deleted automatically by the EA when the initial trade is closed by you, or by the EA.

The EA is theoretically capable of managing one buy and sell trade at the same time, but since this is forbidden in US Brokers, the feature is not covered by the chart buttons.

Do not add additional trades to the initial trade, as each additional trade would double the risk of the recovery process or make it unfeasible altogether. This ensures that the recovery risk is controlled and exactly the same all the time.

If you want to start the deal placing pending orders, you can do so. If you place multiple pending orders on the chart, the EA will delete all others when the first one is executed, and start the recovery process on a clean chart.

## 10. AUTOMATED ENTRY STRATEGIES

The EA provides many simple automated entry strategies as an alternative to manual trading. This provides a certain level of automation to your trading, but will never match the quality of your discretionary entries, as no entry strategy is profitable in all market conditions.

That being said, you can switch between them according to what you see on the market. The list of automated entry strategies available is the following. Eventually more entry strategies will be added, which might not be included in this list

TN_Ex	***** ENTRY STRATEGY *****
(6) Entry Strategy	Manual Trades
(7) Filter for Trades	Manual Trades
(8) Timeframe of the filter	Inside Bars
RC_Ex	Sandwich Bars
(9) Recovery Trades** (less trades = smaller drawdo...	Multi-Bollinger Bands
(10) Zone in pips** (lower zone = more slippage risk)	The Zone (Bill Williams)
(11) Behavior** (more aggression = more risk)	Daily Breakouts (At bar closing)
(12) Profit Target for recovery **	Fractal Breakouts (At bar closing)
(13) If the trade plan is fully allocated... **	Heiken Ashi Bars
CL_Ex	Heiken Ashi Smoothed
(14) Safe Risk Color	Reversal Fractals Indicator
(15) Aggressive Risk Color	Ichimoku Kumo Breakouts
	Day Trading Indicator
	Lopez Impulse Indicator
	Buy Constantly
	Sell Constantly
	Random Trades

- Inside Bars – Trades using the PZ Inside Bars Indicator
- Sandwich Bars – Trades using the PZ Sandwich Bars Indicator
- Multi-Bollinger Bands – Bollinger bands of all timeframes must be overbought or oversold
- The Zone (Bill Williams) – Trades using the PZ The Zone Indicator
- Daily Breakouts – Trades breakouts on the daily chart
- Fractal Breakouts – Trades breakouts of fractals
- Heiken Ashi Bars – Trades using color changes of Heiken Ashi Bars
- Heiken Ashi Smoothed – Trades using color changes of Heiken Ashi Smooth Indicator
- Reversal Fractals Indicator – Trades using the PZ Reversal Fractals Indicator
- Ichimoku Kumo Breakouts – Trades breakouts of the Ichimoku cloud
- Day Trading Indicator – Trades using the PZ Day Trading Indicator
- Lopez Impulse Indicator – Trades using the PZ Lopez Impulse Indicator
- Lopez Trend Indicator – Trades using the PZ Lopez Trend Indicator
- Buy Constantly – Buys all the time, if no trades are opened
- Sell Constantly – Open shorts all the time, if no trades are opened
- Random Trades – Trades randomly all the time, if no trades opened
- Custom Indicator – Trades according to a custom indicator of your choice

## 11. STARTING TRADES USING A CUSTOM INDICATOR

Safety Net EA is equipped to take trades according to a custom indicator of your choosing, which must follow a convention to communicate with Safety Net EA. It must store one of the following constants into a non-drawing but accessible buffer.

- Buy: Store 0 in the buffer
- Sell: Store 1 in the buffer
- Close the buy trade: Store 3 in the buffer
- Close the sell trade: Store 4 in the buffer
- Close buy and sell trades: Store 5 in the buffer
- Do nothing: Store EMPTY\_VALUE in the buffer

By storing one of the following values into a buffer in your indicator, and making Safety Net to read from it, Safety Net will be able to buy, sell and close trades when your custom indicator wants to. Kindly note that, closing trades will only work if there are no recovery trades opened. The indicator is read upon bar closing and the trade session filters applied.

To make things simpler, consider the example below, named *MyIndicator.mq4*, which buys

when a bar closes above the high of the last bar, and shorts when a bar closes below the low of the last bar.

```
#property copyright    "Arturo Lopez Perez"
#property link         "http://www.pointzero-trading.com"
#property description   "Indicator example for Safety Net Custom Indicator."
#property version      "1.0"
#property strict

//---- indicator settings
#property indicator_chart_window
#property indicator_buffers 0

//---- constants
#define OP_CLOSE_BUY      3
#define OP_CLOSE_SELL    4
#define OP_CLOSE_ALL      5

//---- indicator buffers
double SignalBuffer[];

//+-----+
//| Custom indicator initialization function          |
//+-----+

int init()
{
    IndicatorBuffers(1);          // We only need one buffer
    SetIndexBuffer(0,SignalBuffer); // This is the signal buffer (0)
    return(0);
}

int deinit()
{
    return(0);
}

//+-----+
//| Custom indicator iteration function              |
//+-----+

int start()
{
    int start = 1;
    int limit;
    int counted_bars = IndicatorCounted();

    // check for possible errors
    if(counted_bars < 0)
        return(-1);

    // Iteration Limit
    limit = Bars - 1 - counted_bars;

    // Iterate all bars from past to present
    for(int i = limit; i >= start; i--)
    {
        // Ignore first bar

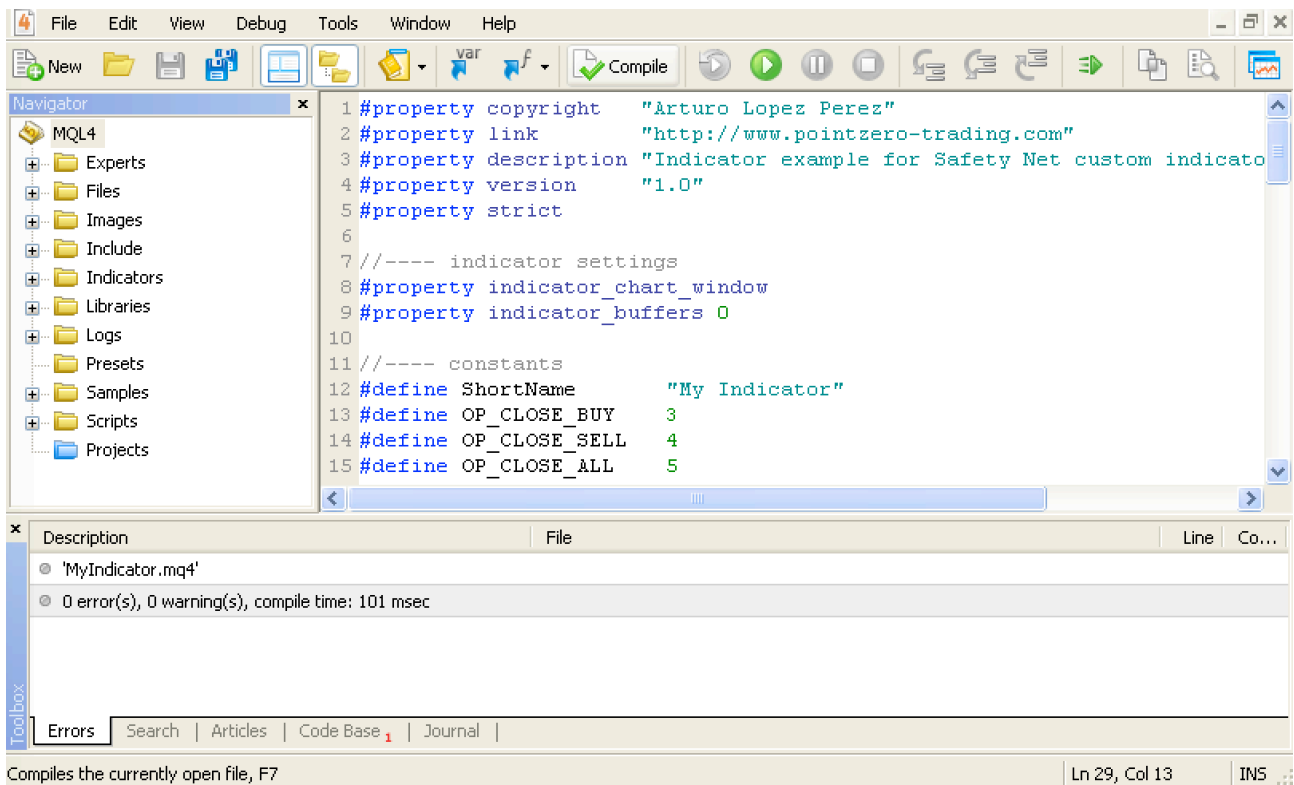
        if(i >= Bars-1) continue;

        // Store empty value first, no action by default
        SignalBuffer[i] = EMPTY_VALUE;

        // If bullish breakout order Safety Net EA to buy
        if(Close[i] > High[i+1]) SignalBuffer[i] = OP_BUY;

        // If bearish breakout order Safety Net EA to sell
        if(Close[i] < Low[i+1]) SignalBuffer[i] = OP_SELL;
    }
    return(0);
}
```

Please copy the above code into your MetaEditor, and click compile.



The compiler should compile the indicator without errors, making the indicator usable.

To use it in Safety Net FIFO EA, select “Custom Indicator” as entry strategy, type the indicator name (MyIndicator) in the Custom Indicator parameter and set the signal buffer number to 0. These settings instruct the EA to make the following `iCustom()` call.

ab	TN_Ex	===== ENTRY STRATEGY =====
123	(6) Entry Strategy	Custom Indicator (Read the manual!)
ab	(7) Custom Indicator Name (Example: MyIndicator)	MyIndicator
123	(8) Custom Indicator Signal Buffer	0
ab	TS_Ex	===== TRADING SESSIONS =====
	(9) Trade Asian Session	true
	(10) Trade Europe Session	true
	(11) Trade America Session	true

```

Double action = iCustom(Symbol(), Period(), "MyIndicator", 0, 1);
                  Custom Indicator Name  Signal Buffer

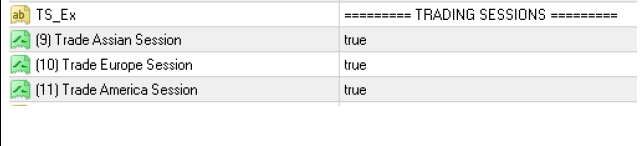
```

As you work with other indicators to make them compatible with Safety Net FIFO EA, the signal buffer number will change. For instance if you edit an indicator which has 5 buffers used, you'll have to add an additional buffer and enter the correct buffer number in Safety Net FIFO EA.

You can make unlimited indicators, as complex as you want, for Safety Net FIFO EA to trade.

## 12. TRADING SESSIONS

To avoid starting trades in sessions you don't want to trade, you can enable or disable the following sessions in the indicator inputs. These sessions are evaluated only to take the initial trade, not to perform recovery trades.

<ul style="list-style-type: none"> <li>• Trade Assian Session (true/false)</li> <li>• Trade Europe Session (true/false)</li> <li>• Trade America Session (true/false)</li> </ul>		
	TS_Ex	===== TRADING SESSIONS =====
	(9) Trade Assian Session	true
	(10) Trade Europe Session	true
	(11) Trade America Session	true

The session filter is evaluated when you are using a custom indicator too.

## 13. STARTING TRADES WITH ANOTHER EA

If the automatic entries the EA implements are not enough and you don't want to code a custom indicator only, you can code your own EA to implement another entry strategy and place the initial trade. Safety Net FIFO EA can pick up trades placed by other EA, provided it follows the following rules:

- Trades can only be placed if the chart is flat -no trades-
- Only one trade can be placed -buy or sell-
- Trades must be placed without stop-loss orders
- Trades must be placed without take-profit orders
- The magic number for the trades must be 0 (zero)
- The lotsize must match the first trade of the trade plan
- Your EA must place the initial trade and never update the order again

## 14. THE RECOVERY PROCESS

The recovery process starts when the second trade of the trade plan is executed. When this happens, the EA displays two lines on the chart, which weren't there before. The thick line represents the average price of the deal: it will be blue for long deals and red for short deals. A dotted line of the same color appears on the chart and represents the profit target price.

As soon as the price touches the dotted line, the EA will close the deal completely.



Other interesting thing to pay attention to is the amount of trades executed and the transaction costs incurred to far, both present on the chart comment you see at the left side of the chart.

The EA converts accumulated transaction costs into pips internally, and accounts for them in the recovery process. As mentioned previously, swap costs can pile up very quickly, so make sure to pay attention to them before trading.

## 15. CLOSING DEALS MANUALLY

The EA displays a button labeled “Close All” on the top-right corner of the chart. If you click on it, the deal will be completely closed right away, regardless of the profit or loss result of the trades at the current moment.



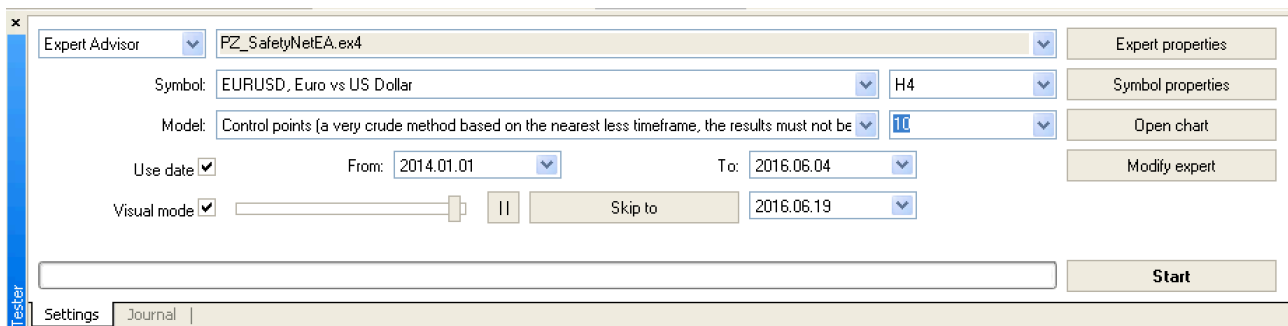


## 16. BACKTESTING THE EA

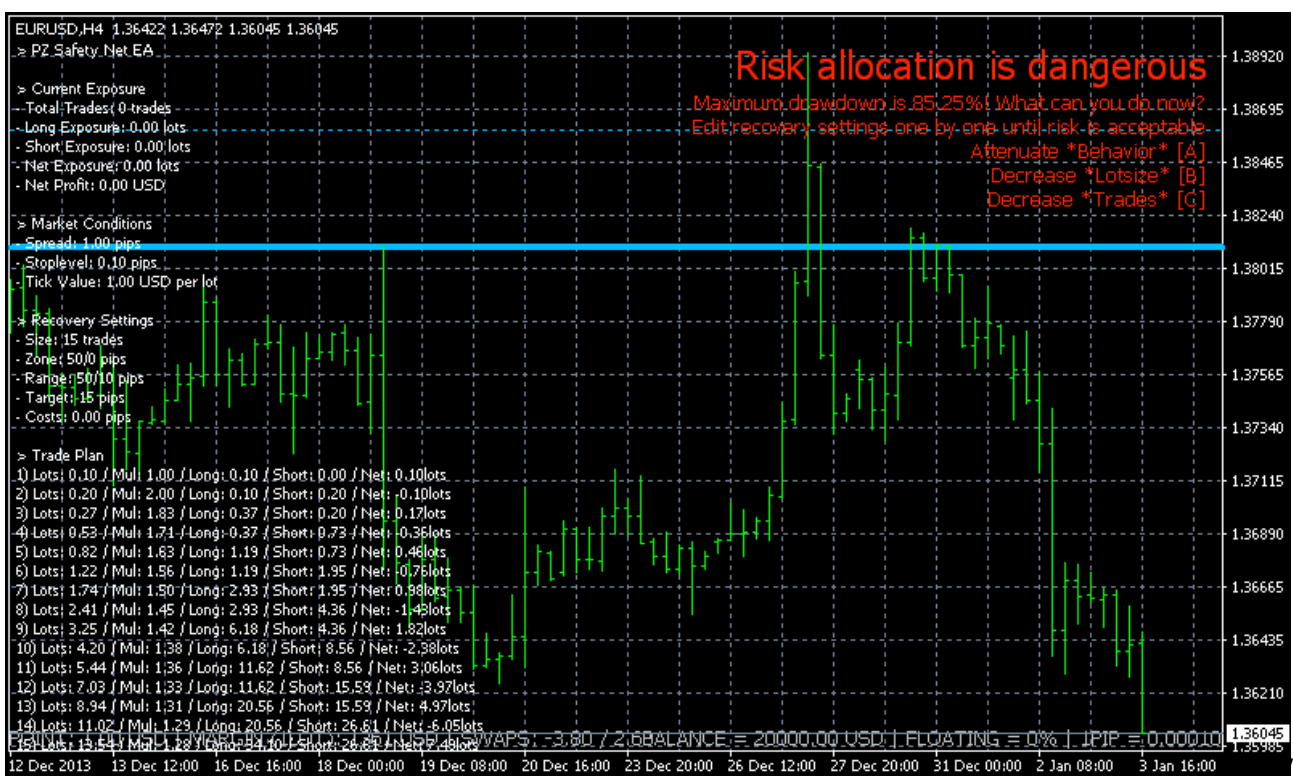
I have intentionally left the backtest of the expert advisor for the end of the user guide, because you must understand the relationship between the recovery settings and the execution risk of the EA before you can run any meaningful backtest.

It makes no sense to judge the performance of an EA based on a backtest with dangerous recovery settings, as the EA will surely over-leverage your account or go into a margin call and stop the test at a loss.

To perform a backtest, first you have to find the desired risk profile for the balance of the account you wish to test. To do that, you'll have to first launch the test in *visual mode*. The visual mode will show you information on the chart as the EA trades, and you'll be able to stop the test and change the settings if the settings are undesirable.



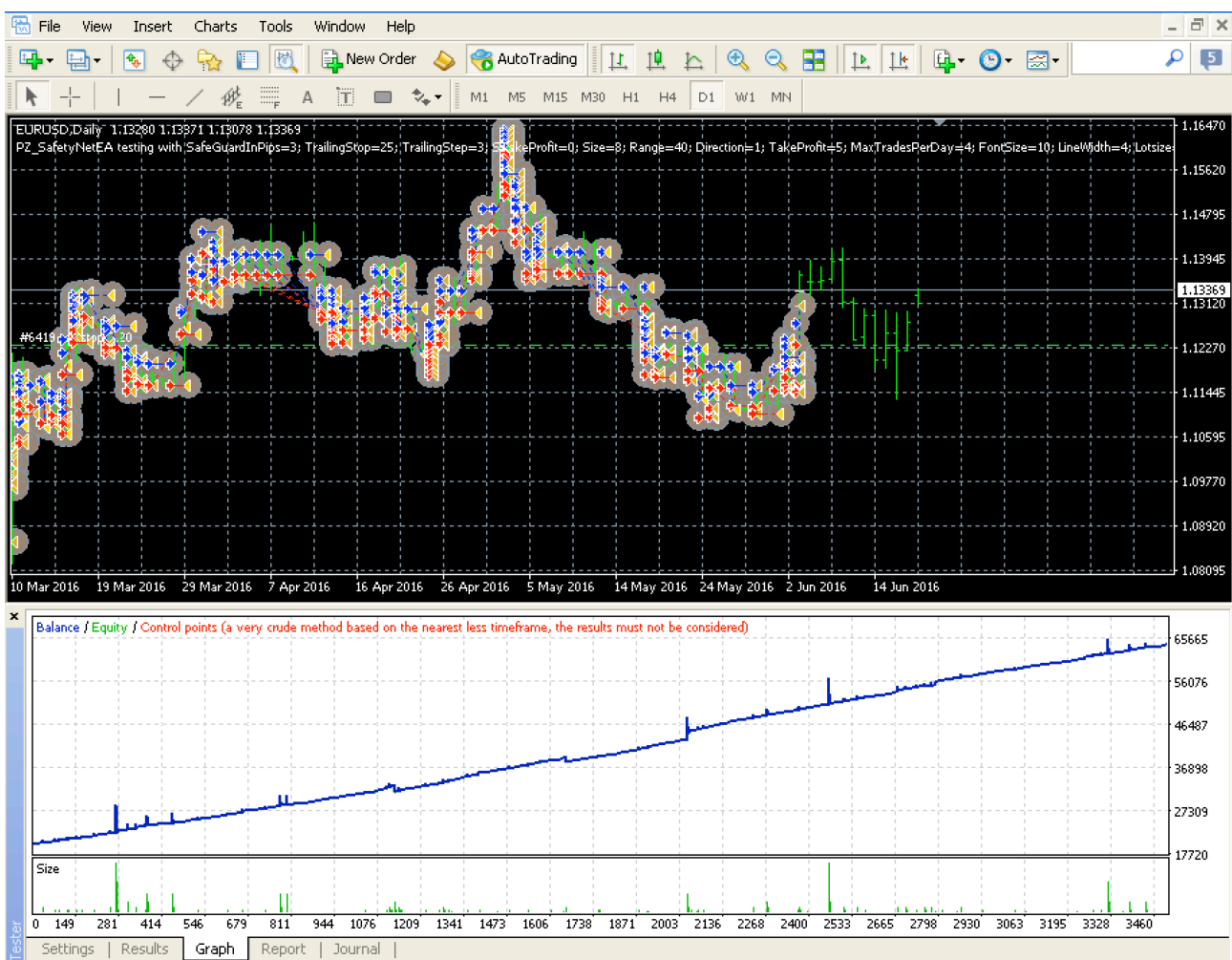
To start the test, select an entry strategy from the EA inputs and click on **Start**. The EA will either start trading or inform you that the risk allocation is dangerous. If the risk allocation is dangerous, the EA won't trade and you'll be forced to change the recovery settings to start a new backtest.



Next, choose an entry strategy in the EA inputs, and start the test. It won't reflect true trading activity because in live trading, you will be deciding the trades, but it will give you information about how the recovery process is handled and the expected equity curve you can expect.

You can test any timeframe above M30 or H1 in control points mode. The control points mode generates 8 ticks for each bar in the test, which is more than enough to test this particular expert advisor.












































Hopefully you'll test will look very similar to mine. That being said backtests are not the best way to measure the performance of this expert because it needs human decisions to operate: only you can decide what to trade, when to trade it, what settings to use, what symbols to avoid and when and many other things which a machine can never decide for a human being.



## 17. ALL THE INPUT PARAMETERS

When loading the expert to any chart, you will be presented with a set of options as input parameters. Don't despair if you think they are too many, because parameters are grouped

into self-explanatory blocks. Each functional parameter is explained below.

Variable	Value
 BE_Ex	===== FIRST TRADE SETTINGS =====
 (1) Lotsize for first trade <sup>xxx</sup>	0.01
 (2) Break Even in pips	_5_Pips____
 (3) Trailing Stop (Small = tight, Big = wide)	_25_percent
 (4) Trailing Step in pips (Min increase in SL)	5
 (5) Take Profit in pips (zero = not used)	0
 TN_Ex	===== ENTRY STRATEGY =====
 (6) Entry Strategy	Manual Trades
 (7) Custom Indicator Name (Example: MyIndicator)	
 (8) Custom Indicator Signal Buffer	0
 TS_Ex	===== TRADING SESSIONS =====
 (9) Trade Assian Session	true
 (10) Trade Europe Session	true
 (11) Trade America Session	true
 RC_Ex	===== RECOVERY SETTINGS =====
 (12) Blocks of trades <sup>xxx</sup>	2
 (13) Trades per block <sup>xxx</sup>	6
 (14) Spacing in pips <sup>xxx</sup>	50
 (15) Profit target in pips	10
 (16) Lotsize multiplier <sup>xxx</sup>	2
 (17) Spacing multiplier <sup>xxx</sup>	3
 CL_Ex	===== VISUAL OPTIONS =====
 (18) Safe Risk Color	 Olive
 (19) Aggressive Risk Color	 Orange
 (20) Dangerous Risk Color	 Red
 (21) Break-even price line	 Lime
 (22) Long Deal Prices	 DeepSkyBlue
 (23) Short Deal Prices	 Tomato
 (24) Next Order Color	 Silver
 (25) Text Labels Color	 Silver
 (26) Font Size	10
 (27) Line Size	4
 EA_Ex	===== EA SETTINGS =====
 (28) Magic Number (Never set to zero)	12345
 (29) Custom comment for trades	Custom Comment

1. **Lot-Size** - This parameter controls the size of the initial trade.
2. **Break-even in pips** - This parameter controls at which profit in pips the EA moves the stop-loss above/below the open price securing profits. This parameter only affects the first trade, not during the recovery process.
3. **Trailing Stop** - Percentage of the max. favorable excursion (MFE) used as trailing-stop. A small value is a tight stop, and a big value is a wide stop. This parameter only affects the first trade, not during the recovery process.
4. **Trailing Step in pips** - Minimum increase in pips for the trailing stop value and, at the same time, the minimum distance from the new stoploss and the current market price. This parameter only affects the first trade, not during the recovery process.

5. **Take Profit in pips** - Stealth take-profit for the first trade.
6. **Entry Strategy** – Select how the EA should enter the market (manually or automatic)
7. **Custom Indicator Name** – If you chose to take trades based on a custom indicator, type the name, case-sensitive, in this parameter
8. **Custom Indicator Signal Buffer** – If you chose to take trades based on a custom indicator, type the buffer number in this parameter.
9. **Trade Asian Session** – Enable or disable Asian Trading Session (gmt based)
10. **Trade Europe Session** – Enable or disable Europe Trading Session (gmt based)
11. **Trade America Session** – Enable or disable America Trading Session (gmt based)
12. **Blocks of trades:** This parameter is the amount of blocks of trades which are going to be placed during the recovery process. A block of trades can have any number of trades, which is controlled with other parameter. The recovery process is separated into blocks because spacing and lot size increase from one block to the next. More blocks make the recovery process more aggressive, uses more free margin and means more exposure -and drawdown-.
13. **Trades per block:** This parameter controls the amount of trades existing in a block. All the trades of a block have the same spacing between them and are of the same lot size. Generally speaking, you can have a recovery process built up of several blocks of only a few trades -which is very aggressive-, or a recovery process built up of very few blocks with several trades in it, which is more conservative.
14. **Spacing in pips:** This parameter controls the spacing in pips between trades of the same block. A small spacing makes the recovery process faster, but makes it easier for the market to allocate your trade plan.
15. **Profit Target in Pips:** The profit target only applies during the recovery process and is the amount of pips you want to earn before closing all trades. A higher profit target means that deals will take more time to close, and a small target means deals will close faster, allowing more rotation in your trades. This value can be changed in real time: for instance, as a deal grows larger you might want to decrease this value to accelerate the closing.
16. **Lotsize Multiplier:** The EA increases the lot size when the recovery process jumps from one block of trades to the next. A high multiplier makes the recovery process faster, but uses more margin doing so.
17. **Spacing Multiplier:** The EA increases the spacing between trades when the recovery process jumps from one block to the next. The spacing multiplier affects the price range in which the recovery process acts. A high multiplier means that the recovery process covers more price but the exit of the deals will take more time.
18. **Safe Risk Color** – Label color if risk allocation is safe
19. **Aggressive Risk Color** – Label color if risk allocation is aggressive

- 20. **Dangerous Risk Color** – Label color if risk allocation is dangerous
- 21. **Break-even price line** – Color of the break-even line
- 22. **Long deal prices** – Color for the upper break-even line
- 23. **Short deal prices** – Color of the lower break-even line
- 24. **Next order color** – Color for the next order line
- 25. **Text label color** – Font size for the chart text labels
- 26. **Font size** – Font size for screen labels
- 27. **Line sizes** – Size of the average price line
- 28. **Magic Number** - The magic number allows the EA to identify its own trades when reloaded or the platform restarts. As a rule of thumb, never change it unless you know what you are doing.
- 29. **Custom Comment** - Enter your custom comment for all trades here.

## 18. QUESTIONS

This is the end of the user guide for Safety Net FIFO EA. I have covered the usage of the EA in the simplest way I could and still came up with a lengthy guide. If you have any questions about this expert advisor, please mail the helpdesk at [help@pointzero-trading.com](mailto:help@pointzero-trading.com). Thanks!