

Stoch EA v1.21

Contributed by odbc and revised edition version 1.21 by davidke20 from <http://www.forex-tsd.com>

Dear traders/ knight rider/ or whatever you wanna call yourself,

I had a chance to browse around TSD forum the other day, and found odbc's EA is interesting. He provided his equity chart from back test which attract me a lot. So I downloaded it and ran a 90% modeling quality back test on it, the result is horrible. The back test account blew up within few months with static lot size. I also found the equity slope on 12point Control looks exactly like his posted equity chart, which is very profitable. After a few back test, I found that the EA-Stoc(original EA name) is hopeless. But the equity curve on the 12point control back test really drove me crazy, jumping up and down for few hours non stop, sleepless night makes me think about this - if there is a way to make the 12point control to work nicely, there is a way to work it out on real live trading based on that system.

The next few hours in the morning(almost no sleep whole night), I took the initiative to ran a few back test with optimized TP and SL. Result not really different from what has been done before, the downward equity curve makes me feel worry. I started to work on different settings on Stochastic setups / reverse signal trading, nothing is help at all. Almost give up the EA.

Revolution began! Larger time frame! Larger TP and larger SL, different setup of stochastic's signals and filters. Amazingly, it turn up to be profitable in the long run. Accuracy got up to 80%. At least its now profit more than loss trade. I incorporate with money management, external input for variables and finally added RSI as earlier signal filter. I found no loss on the BUY only, got the idea from Zonker's EUROBULL-MQL4 world champion. The back test for this system is solely for entertainment. There is no way on live trading to put a 1000pips miserable stop loss.

There is a default setup on the system itself, which will allowed the EA to optimized GBPUSD as GBPULL(took the idea from EUROULL). I purposely make it more look a like Hendrick's Phoenix, that it can optimize for future usage. All the trade signals and external setups can be modify accordingly. Wish you guys good luck on the exploration. If you see this thing selling on e-bay, please report its a scam! Warn your friends and family, share it out there and help us to fight scam! Tell people that they can obtain this EA from <http://www.forex-tsd.com> or <http://www.forexfactory.com>

Credits

special thanks to:

odbc – EAStoc.mq4(after 5 years of trading experience, I never look at stochastic once)

optimu – money management code suitable with all type of trading account

Georges(paradiseview) – Magician of entertainment, my brother entertain me a lot during development

InterbankFX LLC – back tester / live trading environment

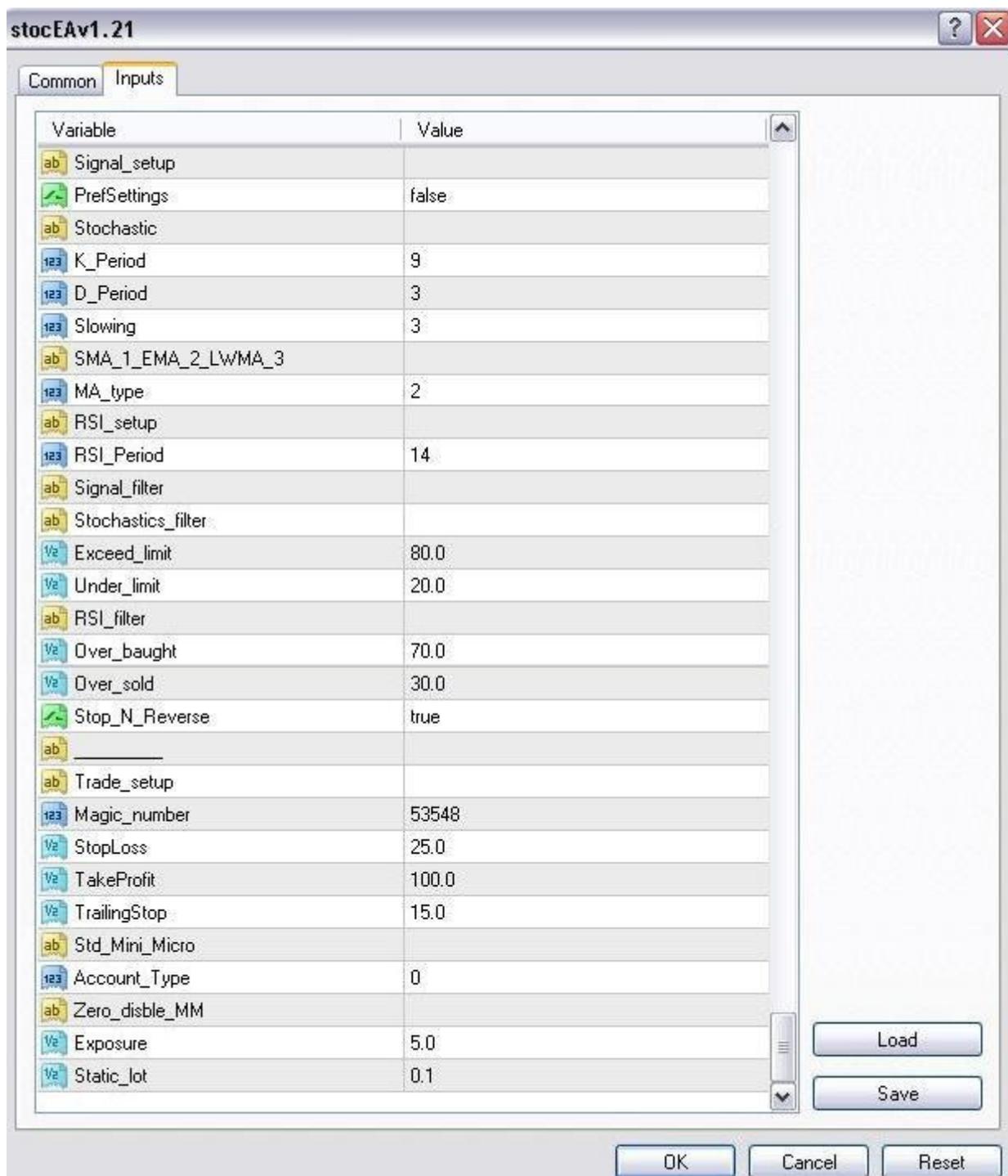
Hendrick – Read a lot of his post

Zonker – Stole idea from him

newdigital – TSD web site, thats where I learn my coding skills

and a few of the friends out there giving advice, can't remember all their name, hope they don't mind. Again, thank you all very much and good luck. Hope this become another Fire Bird / Phoenix, which never die and works forever with proper tuning and optimize settings.

User manual at the following page



Above shows the default setup on v1.21.

PrefSettings = False - It will prevent the interference of default settings on the code itself. If this value return to true, it will disable all the input below and use default settings.

K_Period - K% period for stochastic's setting

D_Period - D% period for stochastic's setting

Slowing - Slowing of stochastic's setting

MA_type - MA type for stochastic

RSI_Period - RSI reference bar setup. Anything below 2 will be oversold only

Exceed_limit - Where filter Stoch cross signal for short

- Under_limit** - Where filter Stoch corss signal for long
- Over_bought** - Filter short signal with RSI overbought percentage. Place it with 50 will disable the function
- Over_sold** - Filter long signal with RSI oversold percentage Place it with 50 will disable the function
- Stop_N_Reverse** - Allow the expert to close the previous order whilst the new signal available
- Magic_Number** - A tag for the expert to identify the trade open by itself, to handle close trade, trailing stops in the future.
- StopLoss** - Initial stop loss value from open order price
- TakeProfit** - Initial take profit value from open order price
- TrailingStop** - When opened order got into profit as the figure predetermined at this column, it will trail the stop loss to break even and continue secure profits with moving forward stop loss.
- AccountType** - Setup account type here, 1 for standard, 2 for mini, 3 for micro
- Exposure** - Percentage of margin exposure of every trade, 0 to disable money management and use static lot size.
- Static_lot** - When Exposure is not applicable, it will use this as static lot size to open trade every time.

Objective to achieve is to find out different time frame to be trade by this EA. Currently only optimized with GBPUSD on 4 hour chart. Seeing the potential for long term trading. Was wondering whether there is a way to make it work at lower time frame, trade frequently so we can regularly withdraw, and its more applicable to smaller account.

Current optimized setting shows at below:

Suggested trading currency pair and time frame is GBPUSD-H4

```

K_Period           = 20;
D_Period           = 3;
Slowing           = 3;
MA_type           = 1;
RSI_Period        = 21;
Exceed_limit      = 80;
Under_limit       = 20;
Over_bought       = 0;
Over_sold         = 100;
Stop_N_Reverse    = false;
StopLoss          = 100;
TakeProfit        = 120;
TrailingStop     = 80;
Exposure          = 0;
Static_lot        = 0.10;

```

Suggested trading currency pair and time frame is EURUSD-H1

K_Period = 9;
D_Period = 5;
Slowing = 5;
MA_type = 1;
RSI_Period = 14;
Exceed_limit = 65;
Under_limit = 35;
Over_bought = 60;
Over_sold = 40;
Stop_N_Reverse = true;
StopLoss = 100;
TakeProfit = 120;
TrailingStop = 100;
Exposure = 15;

If you place the EA on other than GBPUSD and EURUSD, the default value will return to the below settings as suggested by the author of stochastic EA:

K_Period = 5
D_Period = 3
Slowing = 3
MA_type = 1
RSI_Period = 14
Exceed_limit = 80
Under_limit = 20
Over_bought = 50
Over_sold = 50
Stop_N_Reverse = true
StopLoss = 25
TakeProfit = 100
TrailingStop = 10
Exposure = 0

EXTRA INFORMATION

The EA can only be able to open buy due to RSI return value is always as 1. No middle of range, no over bought. When Stochastic crossed at below 20%, it open long with 200pips profit, where trailed by 80pips trailing stops. After a few optimize back test, figure out the stop loss value is most profitable in the long run with risk/reward ratio 1:1. A funny part of this is if you put stop loss at 1000, it will have no loss for whole 2006, since last year is a whole year bull for GBPUSD. If you change the Stop loss to 1000 with 200 take profit, with 15% exposure money management, it will probably return you with 3000+% for year 2006. If you put it on testing with 75pips take profit and 1000pips stop loss, it will return you 4290% for year 2006. Pretty crazy... hope you guys enjoy the exploration and put it on test with lower time frame. As for the NO LOSS back tested result is solely for entertainment purpose, I don't think there is anyone willing to risk 1000pips for a live account, or even 200pips for a H4 system. I put a very high hope on the lower time frame trading with this EA, such as H1 and below. May be look for smaller **TakeProfit**.