Nanningbob V5 auto-trader by Steve Hopwood

The function of this robot is to monitor charts for:

- primary #1 trades
- primary #2 trades
- primary #3 trades
- primary #4 trades

#1 and #2 were easy to code and work exactly as Bob intended.

I found #3 impossible, so we are indebted to f451 (Simon) for the code.

Traders new to Bob's trading system cannot learn about it from this robot or this thread. You **must** go to http://www.forexfactory.com/showthread.php?t=246113 to learn to trade the system manually.

There is a lot of discretion, market 'feel' and understanding in Bob's system. This cannot be coded into a robot. It will not take as many trades as are possible trading manually. **I see this robot as an addition to manual trading, not a replacement.**

Using NB to manage manual trades in Recovery

There is an input that tells NB not to send L1 trades, but to manage Recovery of manual trades – **UseEaToManageRecoveryOnly**. Set this to 'true' to use this feature.

Whether using NB as an auto-trader or as a manual Recovery manager, when in Recovery the bot places a horizontal line (default colour yellow) on the screen at the price it has calculated as break even. Selecting and moving the line will automatically update the take profit of the Recovery trades. If you accidentally delete the line, NB replaces it.

Cool, or what?

Indicators

The robot uses the indicators in the indicators zip file. They do not need to be on your charts for the robot to work but you should have them anyway..

The robot calculates the Sixths lines internally, using the same formula as used by Sixths V3.6 (remember that BarCount has to be the same for both; we recommend 120). V3.6 uses fixed lines based on the number of bars selected in BarCount, and so does not change if you re-size your screen. So, if you want the lines on your screen and the line figures displayed by NB:

1. Use Sixths V3.6 as supplied in the indi zip
2. Make sure that BarCount is the same for both. NB's default of 120 equates to 1 week on the H4 chart.

Complementary trading system

There is a trading system that complements Bob's. Read about David's method at http://www.forexfactory.com/showthread.php?t=244741. The robot I am coding for David's method is at http://www.forexfactory.com/showthread.php?p=3976756#post3976756.

Magic number

NB does not use a magic number. It considers all trades to belong to it. **You cannot used another trading robot on the same account at the same time.** Not that you should, so this is not a hardship. The exception to this is the robot I am developing for David's

system. The two systems complement one another, so the robots do as well.

The Scooby-doo filter
Leave this alone if you are unfamiliar with ATR. This is a filter suggested by scoobs and is intended to stop the robot getting into a trade when there a spike in the price would otherwise trigger the trade.

Recovery
There is a rudimentary recovery module. If the robot gets to a L4 trade, its stops all further trading and it is up to users to manage the position from there. Recovery has a host of subtleties that NB cannot replicate. If a trade gets into Recovery territory, you are probably best of turning off NB and managing the position manually. You have to understand what Recover is all about by reading about it in Bob's thread.

There are 3 possible recovery strategies. 1 & 2 are Bob's; 3 is reported by by contributors to be the one used by dealers. You choose which one to use.

1. 1.1.3.3 relating to L1, L2, L3, L4 trades
2. (1).2.4.2
3. (1).1.2.4

Recovery levels are set by using values supplied by Max, so our immense appreciation goes to him for this. I copy his code here:

```
if (StringSubstr(Symbol(), 0, 6) == "AUDCAD") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "AUDCHF") { ReEntryLinePips =180;}
if (StringSubstr(Symbol(), 0, 6) == "AUDJPY") { ReEntryLinePips =180;}
if (StringSubstr(Symbol(), 0, 6) == "AUDNZD") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "AUDUSD") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "CADCHF") { ReEntryLinePips =180;}
if (StringSubstr(Symbol(), 0, 6) == "CADJPY") { ReEntryLinePips =200;}
if (StringSubstr(Symbol(), 0, 6) == "CHFJPY") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "EURAUD") { ReEntryLinePips =200;}
if (StringSubstr(Symbol(), 0, 6) == "EURCAD") { ReEntryLinePips =200;}
if (StringSubstr(Symbol(), 0, 6) == "EURCHF") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "EURGBP") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "EURJPY") { ReEntryLinePips =200;}
if (StringSubstr(Symbol(), 0, 6) == "EURNZD") { ReEntryLinePips =250;}
if (StringSubstr(Symbol(), 0, 6) == "EURUSD") { ReEntryLinePips =180;}
if (StringSubstr(Symbol(), 0, 6) == "GBPCHF") { ReEntryLinePips =200;}
if (StringSubstr(Symbol(), 0, 6) == "GBPJPY") { ReEntryLinePips =250;}
if (StringSubstr(Symbol(), 0, 6) == "GBPUSD") { ReEntryLinePips =200;}
if (StringSubstr(Symbol(), 0, 6) == "NZDJPY") { ReEntryLinePips =180;}
if (StringSubstr(Symbol(), 0, 6) == "NZDUSD") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "SGDJPY") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "USDCHF") { ReEntryLinePips =180;}
if (StringSubstr(Symbol(), 0, 6) == "USDCAD") { ReEntryLinePips =150;}
if (StringSubstr(Symbol(), 0, 6) == "USDJPY") { ReEntryLinePips =180;}
if (StringSubstr(Symbol(), 0, 6) == "USDNOK") { ReEntryLinePips =1500;}
if (StringSubstr(Symbol(), 0, 6) == "USDSEK") { ReEntryLinePips =1500;}
```

If you wish to change any of the values, you need to learn how to edit the source code. You can do this in my mptm thread.

StochasticMACD Squalou
Bob's use of the macd red line is based on the visual illusion that it represents the same values as the Stochastic white and blue lines. Bob understands that this is an illusion; it does not matter for manual trading purposes. That all three lines should be close together to trigger a trade is what matters.

It does matter to a coder because a visual illusion cannot be coded. Squalou created an indicator the presents a red line that is bound to the same boundaries as Stochastic – 100/0. NB uses this indicator to calculate the value of the red line.

You need this indicator in your Indicators folder. Use the attached template in post 1 to set up your chart before dragging NB onto it and you will see the red line as it is used by this robot.

Inputs
A few of the inputs might need some explanation:

- **Take Profit choices:** there are a number of these. Choose 1 only – there is no idiot checking in this code.
  - **TakeProfit:** a 'hard' tp; not recommended.
  - **UseSixthsTp:** sets a tp at the top/bottom green line.
  - **UseBollingerTp:** sets the tp at the middle Bollinger Band line.
  - **Atr-based take profit:** this allows you to use Atr (Average True Range) to calculate a take-profit trade exit. If you do not understand Atr, Google it to discover what it does.
  - **MinimumTargetinPips:** the smallest tp you will accept. If the above tp methods result in a smaller tp than required, the robot will adjust to this minimum.
- **CriminalIsECN:** set this to true if your criminal insists on you sending stops and tp's after sending the market order.
- **MaxTradesAllowed:** this refers to the number of trades you have open on the account. It is intended to stop the robot over-trading. **NB will ignore this in Recovery mode,** and will send Recovery trades when needed.
- **Sixths inputs:** NB calculates fixed sixths (i.e. they do not change if you resize the chart). To ensure that the robot displays the same levels as your Sixths indi, use SIXTHS SCREEN V 3.6 (attached) with BarCount = 50 to match that of the robot. If you change this input in NB, you must change it in Sixths and vice-versa.
  - **TradeZoneA:** if true, tells NB to trade *only* above/below the gold lines.
  - **TradeZoneB:** if true, tells NB to trade above the top green line and below the bottom, widening the trading area.
- **Trade closure module:** there is only one reason for NB to close the trade automatically. This is when the white line reaches the opposite extreme of the chart.
  - **UseWhiteLineClosure** turns this feature on and is the default.
  - **MinSeparationFromBlue** is the minimum points away from the blue line to make the closure. The default is pure guesswork.
- Leave the last few inputs alone unless you know what you are doing.

Disclaimer

YOU USE THIS ROBOT AT YOUR OWN RISK

A lot of people lose a lot of money trading forex. Most people lose *all* their account deposit within anything from a few days to a few months.

This robot does not guarantee success in your trading.

Read, mark, learn and inwardly digest this:

- A trading robot is only ever 90% as good as the system it trades, at best.
- If the trading system is rubbish, so is the robot that trades it.
- You should *never* use a trading robot without having traded the system manually, live and successfully first.

Good luck. You are going to need it.