<u>HA T3-1 EA Scanner Manual</u> *(v0.1) BETA*

This is an EA Scanner which scans for relevant opportunities based on the HA T3-1 Method developed by Tony on Forex Factory. The EA has inbuilt functions which email/alert you when it spots a trading opportunity. Moreover it also sends you alerts for add-on trades and also lets you know if any of your order hits the TP/SL.

For more information please visit the thread -
http://www.forexfactory.com/showthread.php?t=218962

NOTE: This is not an EA and it will not trade on your behalf. <u>IT WILL JUST AID YOU IN MAKING YOUR TRADING DECESIONS BY HELPING YOU SPOT THE RIGHT OPPORTUNITIES AT THE RIGHT TIME</u>.

<u>Purpose of this EA:</u> Well all the EAs that I have designed so far and the ones which I use on my VPS are smart EAs. Now you would question me why do I call those dumb machines smart? Well the reason is simple. None of my EAs trade solely on my behalf either they aid me in making my trading decisions or they trade with me.

We all know the beauty of technology is only if it combined by the creativity of the human mind and this is exactly what I aim to do. A washing machine is no good unless you know how to use it, it can't and will not load the clothes on its own and clean them. Similarly EAs are complex machines and you need to know when to fire them up.

All said, this does not mean that I have never used automated bots. Yes I have in the past but trust me if you want to use an EA for your style of trading learn how to design one yourself. All EAs fail after some time not because some mysterious man changes their codes, it is because the market dynamics change temporarily making you chuck that EA, thinking it is no good. Unless you know why that baby is failing you cannot help but think it is another useless investment you have made. That is why it is very important to know when to use an EA and why it works the way it does.

All said, hope this EA scanner is useful to all of you and do not thank me, thank TONY for devising this brilliant strategy. I have tried to incorporate all the changes, requirements and problems you guys were facing buy going through the thread in detail but if I have skipped any please feel free to shoot. Happy Trading ☺

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1. Purpose of this EA Scanner & How does it Work ?

While going through the thread I noticed a couple of problems which people faced with respect to this strategy.

i.   They had to keep multiple charts open and even keep multiple instances of Meta Trader running so that 4H and 30M scans could be run separately.

ii.   If so many indicators on so many charts were loaded at the same time. These Indicators are really resource hoggers and I am sure we were all loosing exceptionally high amount of RAM. Which means less processing and slower computing.

iii. Every time anyone needed a picture of what's happening with different pairs you had to manually go through the charts or rely on the email sent by the HA Indicator.

bla bla bla… wont get into this now.

This EA Scanner can scan all the 4H charts for you and alert you when it spots a trend change. The Alert is via the on screen comments which keep on changing. Obviously if a trend change is confirmed on the 4H and you get a green signal for Long or Short entry at that time this EA sends you an email and also displays an on-screen alert.

Moreover this EA scanner also scans 30M charts and alerts/emails you when there are relevant buying or selling opportunities as per the rules of 30M entry laid out by Tony.

4H Rule for Buy/Sell are:
1. HA has to show an up/down arrow.
2. AO has to be in the positive/negative zone.
3. Trend Lord is a visual indicator and only used for confirmation. i.e. on Blue increasing bars it's a buy and on Red decreasing bars it a sell. I have made this optional. Anyone can enable/disable Trend Lord confirmation on the 4H chart.
4. 3SMA > 5SMA with Shift 1 for Long and vice-versa.

30M Rule for Buy/Sell are:
1. HA has to show an up/down arrow.
2. CCI Indicator has to be Blue for buys/Red for sells.
3. AO is again optional on this time frame. If it is more than 0 it is a buy and if it is less than 0 it is a sell. I have kept this as optional. Anyone can disable/enable AO confirmations on the 30M chart.
4. 3SMA > 5SMA with Shift 1 for Long and vice-versa.

How Does it Work ?

Depending on how you run this EA i.e whether you want to run it on each tick (atleast 2.5 minutes gap between runs) or you want it to run on candle close i.e. it scans 4H charts for signals only on 4H candle closes and 30M charts for entries only on candle closes.

This EA thereafter picks up the direction of the 4H time frame according to the rules above and then looks for possible entries in that direction on the 30M charts. Simple as that ☺

2. Can it send Email/Alerts and how can I configure those?

Yes, of course. This EA sends you Buy/Sell messages using the 30M charts and even messages when a trend direction is confirmed on the 4H charts.

You might receive a number of duplicate messages (either Long/Short) for the 4H charts depending upon the signal. Please note at the time of this release this problem has only been fixed for the 30M charts and not for the 4H charts. I am still working on it. Problem version is – v0.1 Beta.

3. Can you explain me those strange messages on the screen?

Trust me that is the heart of the entire system and you can get a fairly good idea of where the market action is moving on the **4H charts** just by looking at those 'strange messages' ☺

Let me explain them to you in brief. Well there are 4 kinds of messages which are shown on the screen against each of your selected pairs (pairs can be refined on the basis of spreads, more on this later).

HA – Heiken Ashi || AO – Awesome Indicator
TL – Trend Lord || CCI – Woodie LNX

1. <u>Short/Long Signal Confirmed</u>: This means that the EA was able to confirm the direction of the symbol on the 4H and that HA and AO match (trendlord also if you have enabled it). The number in the brackets (x Bars Back) means that the signal on the HA was given x bars back. Please note in MT terminology the current bar is always counted as 0, so your previous bar is counted as 1 and the one before as 2 and so on. So if you get a number like 2 this means that leaving aside the current bar the signal appeared on 2 bars back. Please also note it is quiet possible that the HA might signal a sell 7 bars back but AO confirmation is received after 2 bars i.e. 5 bars back. In such a case too the EA would show 7 and not 5. Since the x denotes signal on the HA and not the confirmed signal.

2. <u>No Direction</u>: If you check the EA settings there is a variable 'TrendTFCozyNess'. Now there are times when you might get the confirmation from the HA that there is a sell signal but the AO might not agree with the same. In such a case AO might go on and agree after x number of bars. We call the max limit for these x bars as 'TrendTFCozyNess'. Eg. Picture this you get a sell signal 14 bars back and the AO confirms it (means goes into negative) only 2 bars back. Which means you missed out on the price action for almost 12 bars. Now in such a case I am very sure no one would like to take a trade and get into the action after 12 bars. So the EA has been programmed to classify a comfort zone. By default I have set this value to 4 which means if the AO jumps into negative/positive even after 4 bars, including the bar on which the HA signal was received then in such a case we would be tagging that trade with a direction Long/Short. Else if the AO jumps into the direction of the HA after 4 bars then that trade would be classified as

a No Direction trade. The number in the brackets stating (Waited for confirmation after signal for x bars).. this x bars is your TrendTFCozyNess value which you must have set in the EA settings.

3. <u>Old Long/Short Signal</u>: We all want to concentrate our energies on spotting the most recent moves by the 4H. So whenever a signal becomes older than TrendTFCozyNess variable i.e. if it is received more than TrendTFCozyNess bars back in time we classify that trade as an Old Long/Short Trade. Think of it this ways we all want to jump into the price action at the right time and we are ready to give up TrendTFCozyNess bars of profit. But when the signal is older than TrendTFCozyNess bars then as it is that signal is of no good to us. Therefore I have kept TrendTFCozyNess as the bar level to decide on Old Long/Short Signals.

4. <u>Waiting for a Buy/Sell Confirmation:</u> Now this is a very interesting one. Many times the HA alerts us to a direction change. But we might observe that after prolonged moves the AO might take some x number of bars to dip below or rise above the 0 mark. Also it is quiet possible the bars on the AO would already have started decreasing or increasing. And if we check that manually we would spot an early opportunity to enter the trade. This is where this one comes in. However this does not mean that you can enter each and every trade presuming that the bars would rise or fall but you can use some amount of judgment and enter a trade pretty early. *Tony for you I have programmed a feature which would let you enter the 4H charts when the HA Signal is forming. In such a case if you see the number 0 i.e. if the text in the brackets says that (HA signal received 0 bars back, AO/TrendLord disagreeing) then this means the HA is forming a signal on the current bar just the way you trade* ☺

4. What other options does this EA supports?

Oh, I could have built so much into this baby but I stopped myself short of building the most essential stuff especially where people were facing problems and stuff which can make us more money with ease ☺

1. <u>Alerts for your closed positions:</u> This EA scans your trade history and alerts/emails you the profit/loss you made on the last closed trade within the previous 'CheckAccHistoryEveryXMins' period. i.e. if you set this variable to 15 (default) then this EA would scan your account history after every 15 mins and report you any positions which might have been closed in these last 15 mins because of a) Your Take Profit was Reached or b) Your Trailing Stop Loss was hit or c) You closed it manually. Please note if you are trading any other system on the same account then you would get alerts for all the closed positions and not necessarily the one using this system only. I could have set that filter but it requires the use of Magic and since this baby was not opening orders, setting that was a bit on the impossible side. Programmers would agree with me on the this one.

2. <u>Add-On Signals:</u> Now this is one feature, I so love ☺ What this one does it, it looks out for add-on signals on the 30M charts every 'CheckForAddOnEveryXMins' minutes and alerts you to a trade entry for your profitable positions which are already in money by more than 'PositiveMoveInPips' pips. Please note it would not alert you to a new position on a symbol you are currently not trading. It looks up your open trades to figure out profitable positions and then goes back on the 30M chart and looks out for signals where HA is hinting a sell/buy and the AO & CCI both agree (as

per Tonys rules). I have purposely stopped short of making this baby open add-on orders on your behalf. Let me know if you guys want that.

5. Can you explain me the settings?

Sure, I have tried to keep the options as user friendly as possible. And if you want to understand an option try reading the variable it would make sense to you. Eg. WaitForTradingTFCandleClose – Wait For Trading Time Frame Candle Close. This ways you can break down each variable and it would start making sense to you.

Options are:

1. TrendDirectionTimeFrame : This is the Higher Time Frame which the EA looks forward to figure out direction for the symbol. Default is 240M and I have tested this EA only on this. Use other time frames at your own risk. Will test other time frames but in the future not now. Ideally it should work but no guarantees.
2. SignalTimeFrame : This is the signal time frame. Tony uses 30M and this is where I have set this.
3. SendEmail : Flip this to true if you want the EA to send you Email Alerts.
4. Display Alert : Flip this to true if you want to see Alerts on you screen.
5. OnScreenMessages : Flip this to true if you want to see the direction messages for all pairs on the 4H charts on your screen.
6. SpreadLessThanOREqualTo : Currently this EA supports upto 28 pairs as offered by FxOpen and both 4 and 5 digit brokers are supported. However since monitoring 28 pairs at one go can be a fuss so you can filter them down based on spread. By default I have set it to 12 but you can play with this value depending upon your comfort zone. Therefore if this value is 12 the EA would look out for only those pairs out the 28 above where the spread is less than or equal to 12 and it would run the scan only on those pairs.
7. PairListForInfoOnly : This is a non usable variable and I have listed all the pairs this EA scans in this variable. I would be introducing the option to scan all pairs used by Tony but for now I have disabled that option since arrays were giving me some problem.
8. AddOnSignalConfirmation : Now if you want to receive alerts for add-on signals which are in the making i.e. current bar signals, you can set this option to false. By default it is set to true. More Info Section 4.2 above.
9. CheckForAddOnEveryXMins : This one has been explained above 4.2 and it relates to Add-On Orders.
10. PositiveMoveInPips : This one also has been explained above on 4.2 and it relates to Add-On Orders
11. WaitForTradingTFCandleClose : This one means Wait For Trading Time Frame Candle Close. Since Tony does not wait for the 4H candle to close and he prefers jumping in when the signal comes in. You can either wait for the 4H candle to close to get a confirmed entry. Set the flag to true to enable the option of confirmed entry(by default it is false, which is the way Tony uses it).
12. WaitForSignalTFCandleClose : This one means Wait For Signal Time Frame Candle Close. Now for those eager lads who want to jump in when the HA hints a buy/sell position on the current candle on 30M set this option to false. By default I have set it to true. Therefore whenever you get a buy/sell alert it would be on the basis of the previously closed candle on the 30M time frame.
13. CheckForTrendLordOnTDTF : This means Check For Trend Lord On Trend Direction Time Frame. Tony in his video mentioned that he looks at the Trend

Lord just to get an idea of the picture on the 4H. However if you want you can set this option to true (by default it is false) if you want the EA to base its decision on the direction of the 4H charts not only on the basis of AO and HA but also on the basis of Trend Lord. Trend Lord in blue is for confirming buy and Trend Lord in red is for confirming sell.

14. CheckForAOOnSignalDirectionTF : This means Check For AO On Signal Time Frame. Tony just uses the CCI to make his decisions on the 30M time frame. But you can any day increase the probability and only decide to tell the system to give you buy/sell alerts when all three i.e. AO, CCI and HA hint an entry together on the previous or current candle. My advice let this baby be on false. Since Add-On signals are only sent when all three are in tandem.

15. TrendTFCozyNess : I have explained this variable above. Please go through Section 3 to understand this variable in detail. It is an important variable. By default it is set to 4.

16. CheckAccHistoryEveryXMins : This means Check Account History Every X Mins for reporting you profit/loss on your closed positions. Explained in details above refer to 4.1

6. I have a bug how do I report it?

I have made this scanner only because I have seen the phrase 'sharing is caring' come alive on this beautiful community. Tony thanks a ton for sharing your system. Finally I have my holy grail and now I know I have to spend the next 6-12 months perfecting this system. When I say perfecting I mean learning its edges ☺

All said, I have tried to incorporate and provide an easy way to do only 1% of the things that you could have wished for and yes I mean it only 1%. Trust me there is always scope for improvement and for the next 4 months, before I head to b school, all I want to do is work on this EA and make it as semi-automated as humanly possible, without loosing the brilliance of manual human intervention.

I have seen tons of threads start out with a mind boggling strategy. People just praise the person who designed it and then keep on adding their own cosmetic changes. More so every day newbies join in to ask the same questions over and over again. Then one fine day an EA is created which is never as profitable as the orginal strategy itself. Moreover by this time the author of the thread had already left the community to have fun on its own. And I bet it this is where we are also going.

Without any disrespect an EA can only be successful if you know how, when and in what circumstances you should use it. Therefore Semi-Automatic EA is the way of life atleast for me.

All said I mean NO DISRESPECT NONE AT ALL to FxDrive, I think his EA is amazing and really holds a future. But again the problem will never be in the EA or the person who coded it in the first place. It will always be in the people using it who do not fully understand it. And Yes, as the stats go, only 5 out of 100 might understand and make money from it the rest 95 will go down and take this thread along with them. Terming the EA and someone else hard work as unprofitable.

It's sad and I can see this thread going in the same direction in front of my very eyes and that is the reason I popped in. Sorry if I hurted any ones sentiments but had to make my point absolutely clear. And FxDrive any day man you deserve an applaud for the programming you have build in this EA. Kudos !

All said any bugs please post with screen shot or Ping me on FF. Will try to solve them ASAP and please come up with as many suggestions as possible so that we can build in as many features as possible in this EA Scanner. But please remember I will not automate it 100% no wayz. Semi-Automatic features please shoot.

Just to give you an idea of how my EAs work. There are some EAs which open the order for me and keep an SL, but I add the TP to them. Then I can even by adding some out of the box order say like Buy Gold at 20000 tell it to make the SL hidden. Then I can even instruct it to enter a position for me, only fractionally since I don't trust it. And then trail it and do all what not.

So basically yes there are times the EA runs on its own, but I keep on feeding it and telling it what I think the best playing strategy is in this scenario. Like I can add a magic code on again an order like above and tell it to go short perpetually until next command on the first part of the symbol like EURUSD... so it works with me and knows the current market scenario is prompting us to go short on EUR whether it is with any other pair combo. So you see, there are tons and tons of possibilities of letting an EA run, managing it virtually and thus even becoming profitable. Yes, ofcourse this does mean that only a very few people will learn how to use it perfectly. But then again something which I always say is that your creativity is in your mind, push it to max and let the damn machine do the tedious job.

So you get my point a

MECHANICAL MACHINE WHICH NEVER GETS TIRED

+

CREATIVITY OF THE HUMAN MIND

=

CAN CREATE MAGIC ☺
(trust me I know what I am talking about)

Shoot any and all bugs and features you want me to build in.

Best,
OFD

P.S. Thanks Tony for the Strategy, FxDrive for the EA and LGTJ thanks for your charts man, I believed in this strategy more because of your charts.