Installing Training Wheels Indicators on Prorealtime, IG Markets and IG Index advanced chart platform.

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There are three indicators to create. You may be familiar with how this is done already, but just in case I'll assume that you're new to the process. It's quite straightforward, and you'll get the hang of it quickly I'm sure.

Indicator 1: the ATR Channels

Look at your chart window – in the top right corner will be a button with a picture on it as shown below. Click the button...
The following window will appear. Click the New Indicator Button...

```
Price
Moving average (on price)
Volume
Accumulation Distribution
ADX
Aroon
Average True Range
Bollinger (on price)
Bollinger bandwidth
Bollinger%b
CCI Divergence
Crankin money flow
Crankin oscillator
Crankin volatility
Chande kroll stop (on price)
Chande momentum oscillator
```

The next window will have a title at the top.

Type ATR Channels there, and then in the field on the left side copy and paste the following:

```plaintext
// p = Period = 26
// mp = MA Period = 40
// t = MA Type = 2

mf1 = 1.6
mf2 = 3.2
mf3 = 4.8

atr = AverageTrueRange[p]
ma = Average[mp, t]customclose)
mid = ma
hi1 = ma - atr * mf1
lo1 = ma - atr * mf1
hi2 = ma - atr * mf2
lo2 = ma - atr * mf2
hi3 = ma - atr * mf3
lo3 = ma - atr * mf3

return mid as "ATR Median", hi1 as "ATR Hi1", lo1 as "ATR Lo1", hi2 as "ATR Hi2", lo2 as "ATR Lo2", hi3 as "ATR Hi3", lo3 as "ATR Lo3"
```
Now we have three variables to add. Over on the right side you'll see an Add button. Click it and insert the following values:

Repeat the process for the other 2 variables:
Click the Validate button, and you'll see something like this:

Now you need to edit the line colours and styles to your liking. Do this by clicking the small spanner icon shown above.
Click on each value, adjusting the colour and linestyle as you wish. You can see I've made them the same as my default MT4 colours.

Make sure the "Set as default configuration" checkbox is ticked, then click Close and finally close the indicator on the chart as well (the small X icon to the right of the spanner). We want the indicator up with the candles, not in a separate window.

To do that, now right click on the chart window and select Settings Price.
Click the Add button and you'll see a list of indicators, one of which is ATR Channels.

Select it, and click Close.

Your chart should now look like this:-
Great. One indicator down, two to go.

It’s an excellent idea to click File->Save, as you don’t want to lose your work.
**Indicator 2: Trend Signal**

We basically repeat the process we followed for the ATR Channels...

Add a new Indicator, type in the title, and paste in the following code:-

```plaintext
// p = 200
// t = Wilders
// v = 0.0

SqrtP = Round(Sqrt(p))
Div2P = Round(p/2)

MMHULL = average[SqrtP, t](2*average[Div2P, t](close) - average[p, t](close))

return MMHULL * (100 / (100 + v)) as "Trend Signal"
```

Add variables as follows:-

![Variable definition](image1)

![Variable definition](image2)

![Variable definition](image3)
Click Validate, change the line color and style to suit, and delete the Color Space it automatically generates – you don’t want a big blob of shading under the line.

Make sure that “Set as default configuration” is checked, close indicator window then add it to your chart as we did for the ATR Channels. It should now look like this:-
Unfortunately I haven't figured out a way to automatically adjust the values that drive the indicator for different timeframes as I did with the MT4 versions. If someone could let me know how this is done I'll gladly update this guide, as its a pain having to adjust them by hand when you change timeframes.

Anyway, for this indicator the Period will need to be set to lower values for shorter timeframes, to respond more quickly to the rapid changes in trend. The default works well for the 1 Hour chart, which is what is shown above. You can see if firmly under the price in an uptrend, and above it when the trend turns, and that's what you want regardless of timeframe.
Indicator 3: Stochastic Rainbow

Last but not least. Go through the steps to create a new indicator as before. Here is the code to paste in...

```plaintext
// k = 5
// s = 4

s0 = Stochastic[4 *s, 2 *k](customclose)
s1 = Stochastic[5 *s, 3 *k](customclose)
s2 = Stochastic[6 *s, 4 *k](customclose)
s3 = Stochastic[7 *s, 5 *k](customclose)
s4 = Stochastic[8 *s, 6 *k](customclose)
s5 = Stochastic[9 *s, 7 *k](customclose)
s6 = Stochastic[10 *s, 8 *k](customclose)

return s0 as "SR 0", s1 as "SR 1", s2 as "SR 2", s3 as "SR 3", s4 as "SR 4", s5 as "SR 5", s6 as "SR 6"
```

Here are the variables:-
We do something a little different with the Settings after you hit Validate. Apart from setting the Line Colours, you need to add two Horizontal lines, as follows:

Set the value of one line to 20 →
And make the second line 80.
These will mark the overbought and oversold levels.
You’re basically finished. Your chart window should look like this, and you really do need to hit SAVE!!!

Some final notes on the Stochastic Rainbow:-

S must be higher for longer time periods in order to generate proper overbought/oversold signals.

Experiment with different values against whatever you’re trading until you find what fits best on the periods that you trade. Ideally you want it to show a concentration at overbought/oversold at the end of its average up and down movements – there will be some that move less and don’t generate a signal, and some that move a lot more and generate a signal a little too early.

It’s a matter of judgement which setting suits the average flow of the market best.

A detailed explanation of how to use these indicators in your trading can be found in the Training Wheels Manual.

All the best, make some pips :)

Andrew