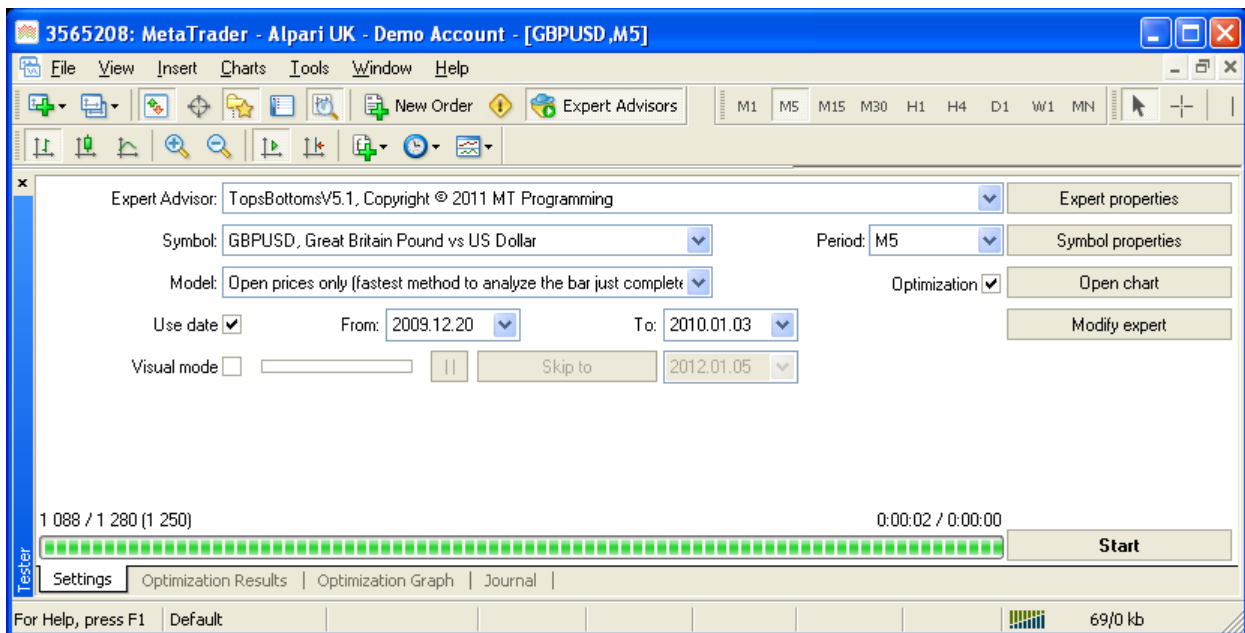


# Tops & Bottoms Recommended Usage

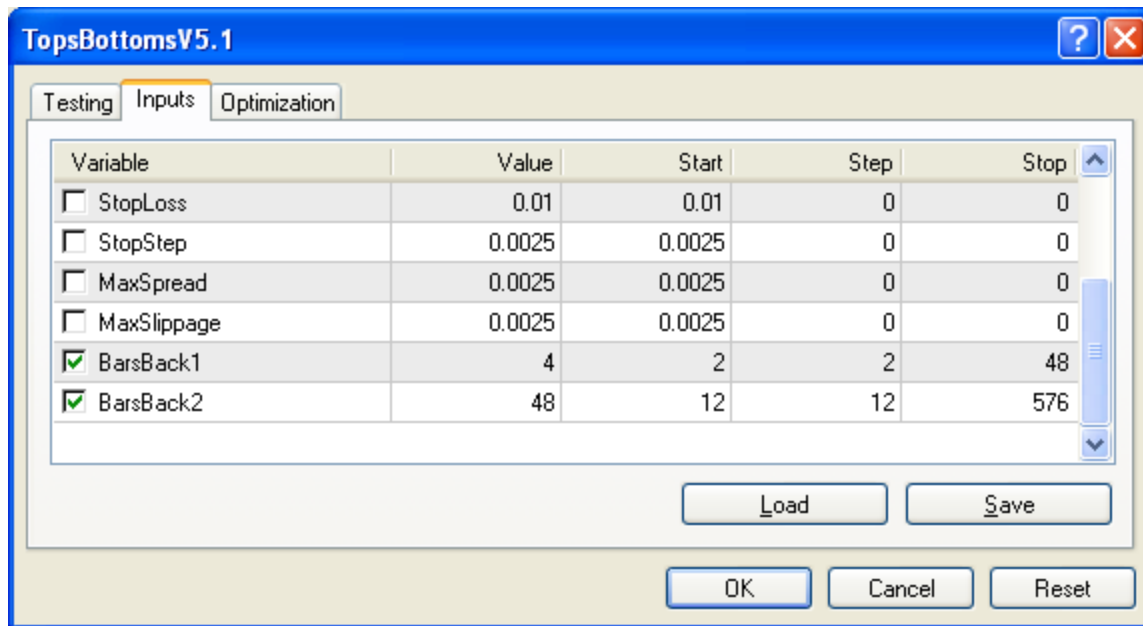
When trading this EA use ONLY the 5 minute chart. Do a back test optimization once a week when the spread is low. Set the start date from 2 weeks back and the end date to the current date. The optimization period needs to cover at least 8 to 10 trading days. Don't forget to download the latest 5 minute history data before starting your optimization!

**IMPORTANT NOTE:** For faster optimization select the 'Open prices only' option from the Model list box as in the screen shot below. This will save you a lot of time when you're optimizing. Then move it back to 'Every tick' when you want to actually run a single back test.

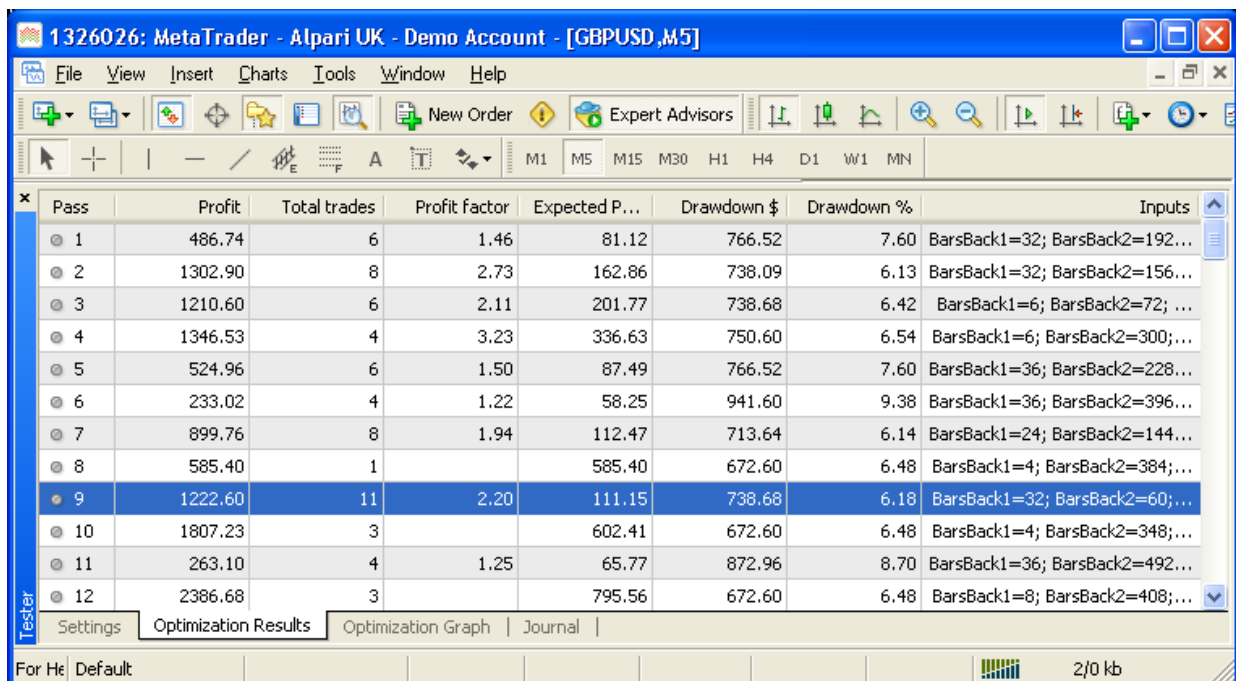
Let's walk through a typical optimization to get the best settings for BarsBack1 and BarsBack2 for trading. Start by setting the currency to test to the 'GBPUSD'. Set the model to 'Open prices only'. Make your from date '2009.12.20' and your to date as '2010.01.03' which is a 2 week period.



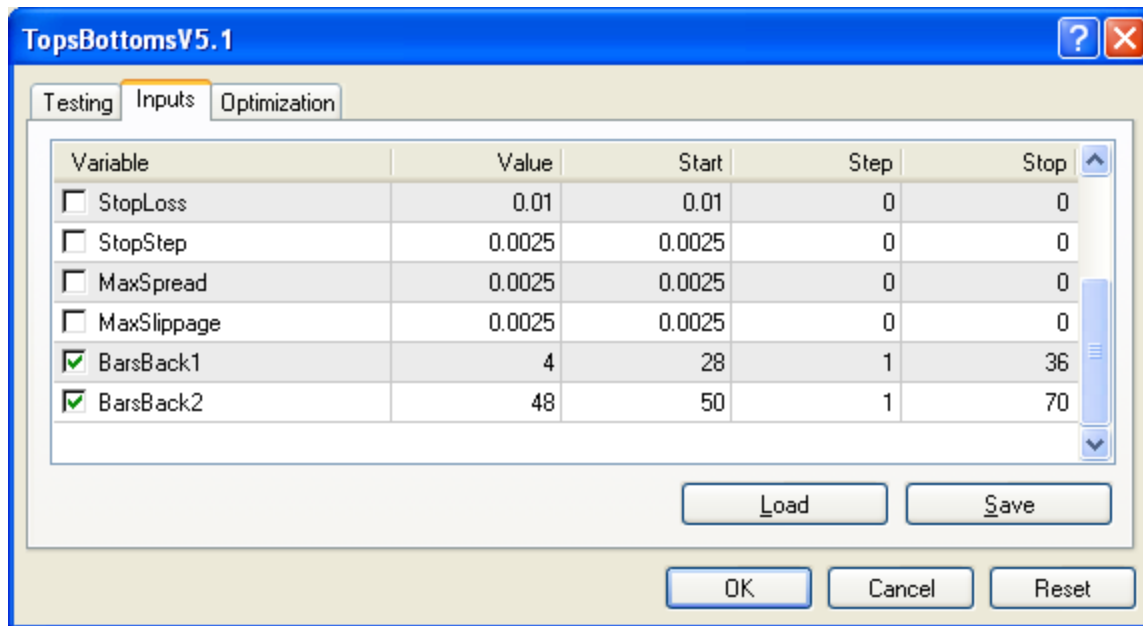
Now load the first set file by clicking the 'Expert Properties' button to open up the properties window and then click the 'Load' button and select the 'range1.set' file. Make sure the BarsBack1 and BarsBack2 are selected (these are the only 2 parameters you need to optimize) like you see below and then click the 'OK' button. Now you can start your optimization.



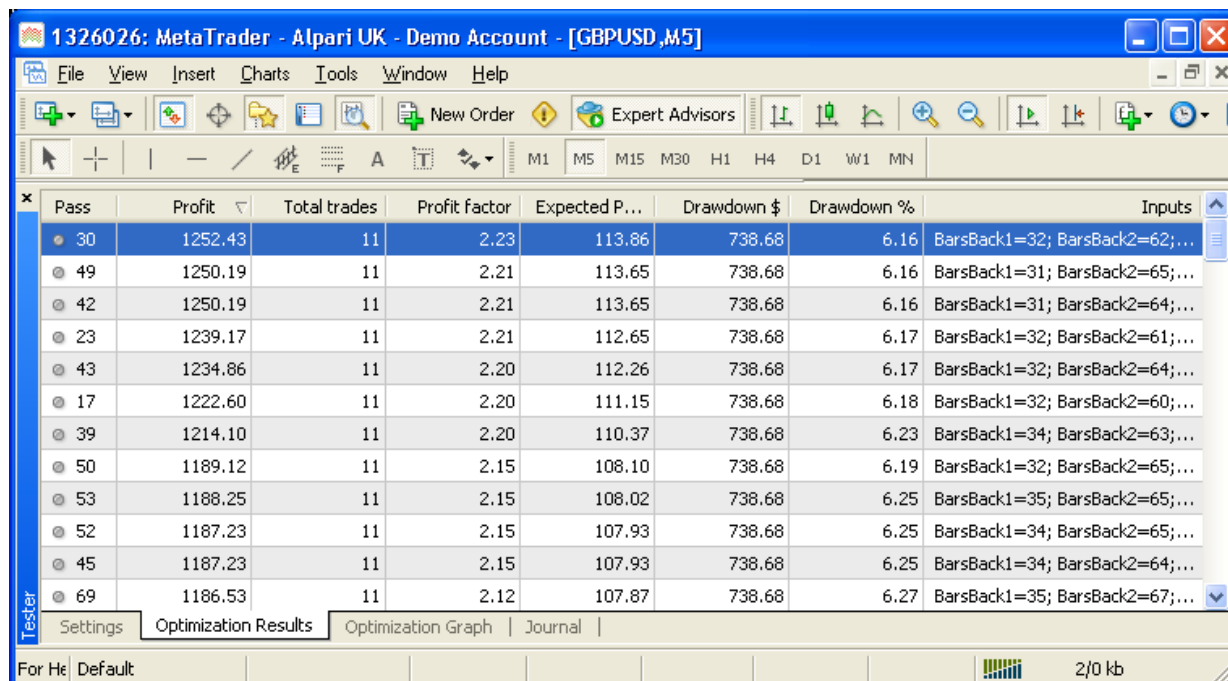
Once the optimization completes you should have a lot of results. Now we need to find a good combination of a high amount of trades + good profit factor + low drawdown percentage. In the list of results we see a line that has these factors with a rough setting of BarsBack1=32 and BarsBack2=60.



Now let's fine tune the BarsBack1=32 and BarsBack2=60 by changing our optimization values for Start, Step, and Stop. We'll give some extra padding on both sides of the BarsBack1 and the BarsBack2 just like you see in the screen shot below.

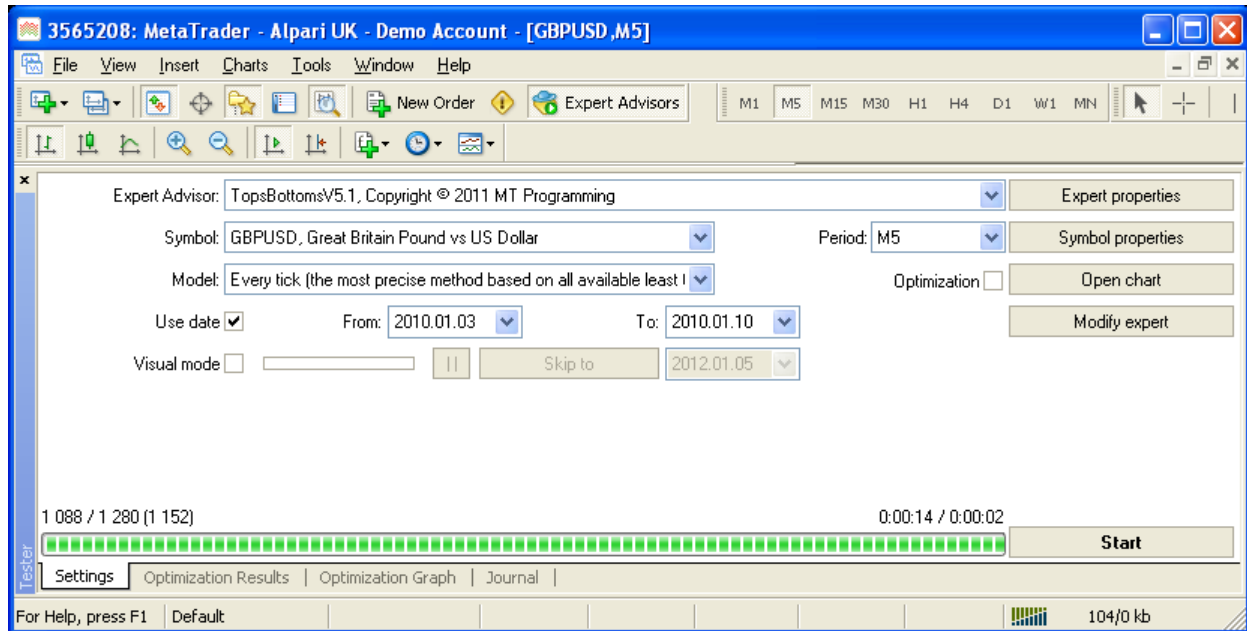


Run the optimizer again and repeat the process of finding a good combination of a high amount of trades + good profit factor + low drawdown percentage. In the list of results we see a line that has these factors with a fine tuned setting of BarsBack1=32 and BarsBack2=62.

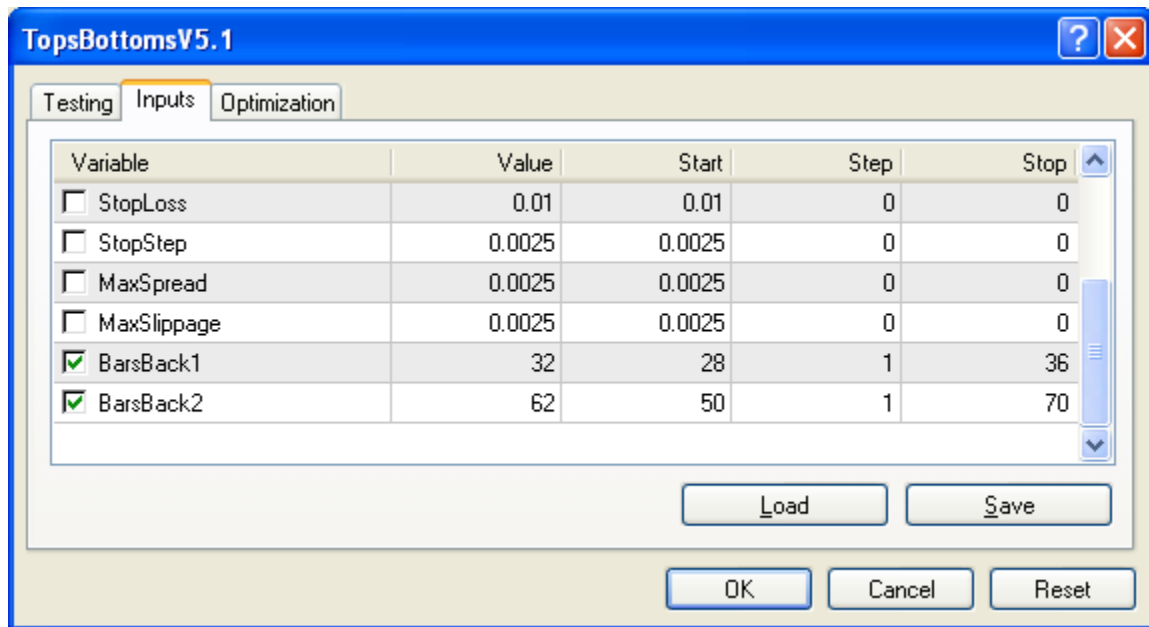


# Forward Testing

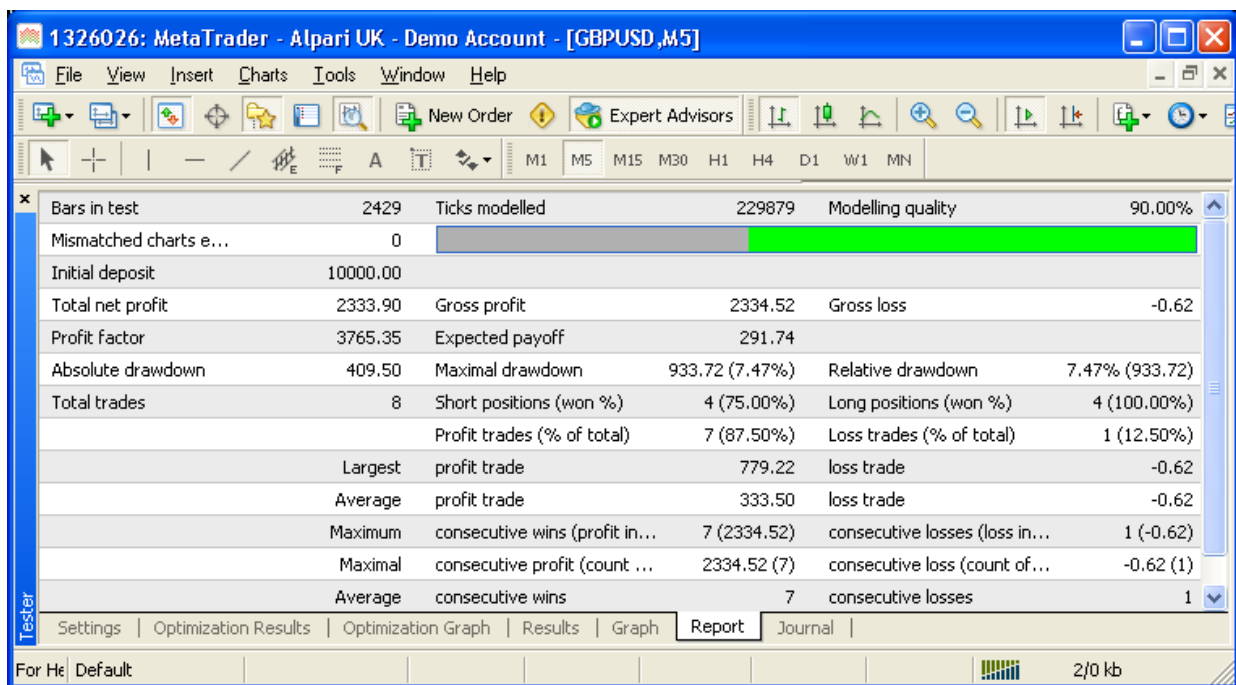
Forward testing is NOT required with this EA but we will show it as an example of how to test the EA with different settings. Using BarsBack1=32 and BarsBack2=62 (taken from above) for the week ahead of our 2 week optimization period. Make your from date '2010.01.03' and your to date as '2010.01.10'. Change your model to 'Every tick' and the other settings exactly like you see in the screen shot below.



Click the 'Expert Properties' button to open up the properties window and enter 32 for BarsBack1 and 62 for BarsBack2 and click 'OK'. Then click 'Start' to run the 1 week forward test.



When the 1 week forward test completes we see a healthy profit of over \$2333.90 with 8 trades. This is almost identical to the two week optimization result that we had picked.



In conclusion a Trader simply needs to take the time to get used to this EA and learn how to locate the right combinations of a high amount of trades + good profit factor + low drawdown percentage.