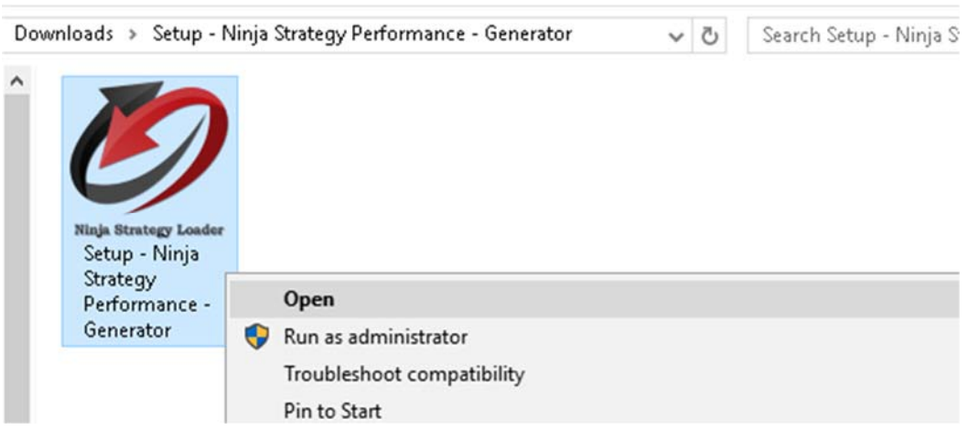
How to install and use Ninja Strategy Performance – Loader and Generator

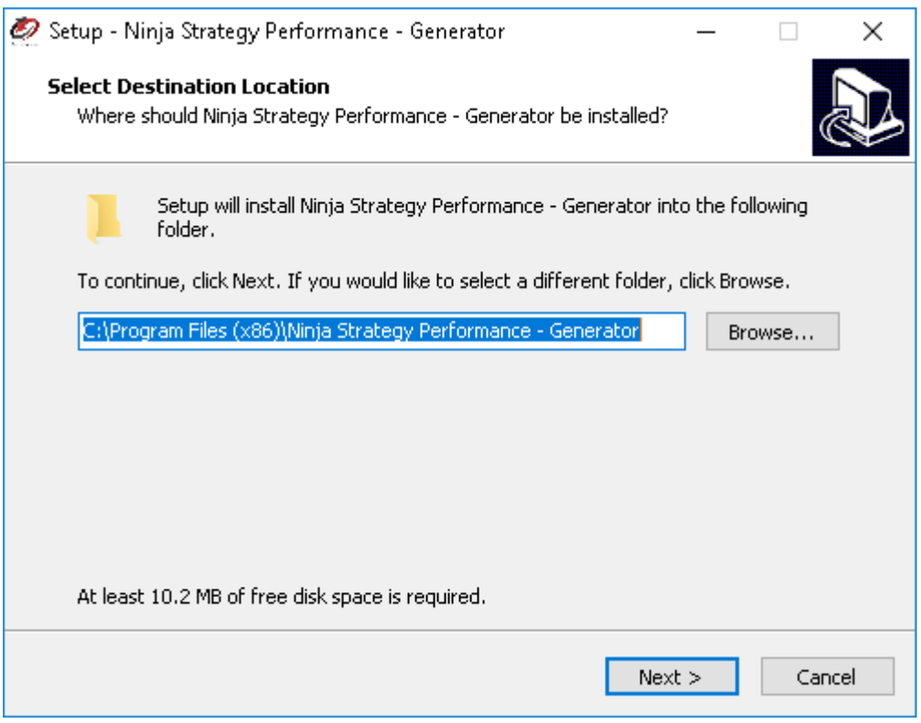
1. Install Setup – Ninja Strategy Performance – Generator

Please find your Setup for Ninja Strategy Performance – Generator (executable file). Right click on it and select open to run.



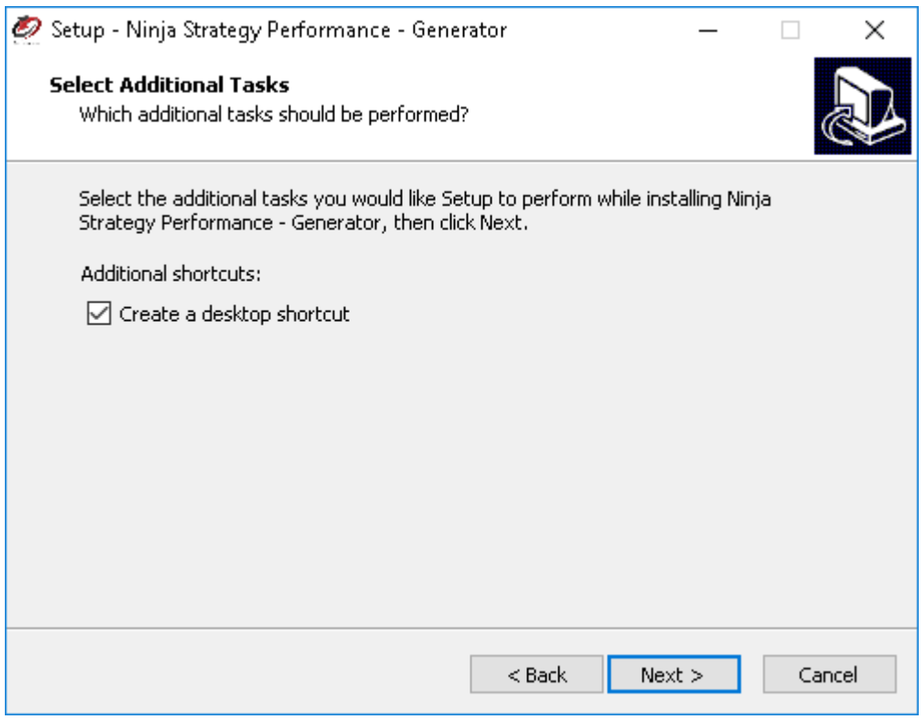
1. Select Destination Folder

- Setup will be install into the default destination folder.
- If you would like to select a different folder, click Browse.
- To continue, click Next.



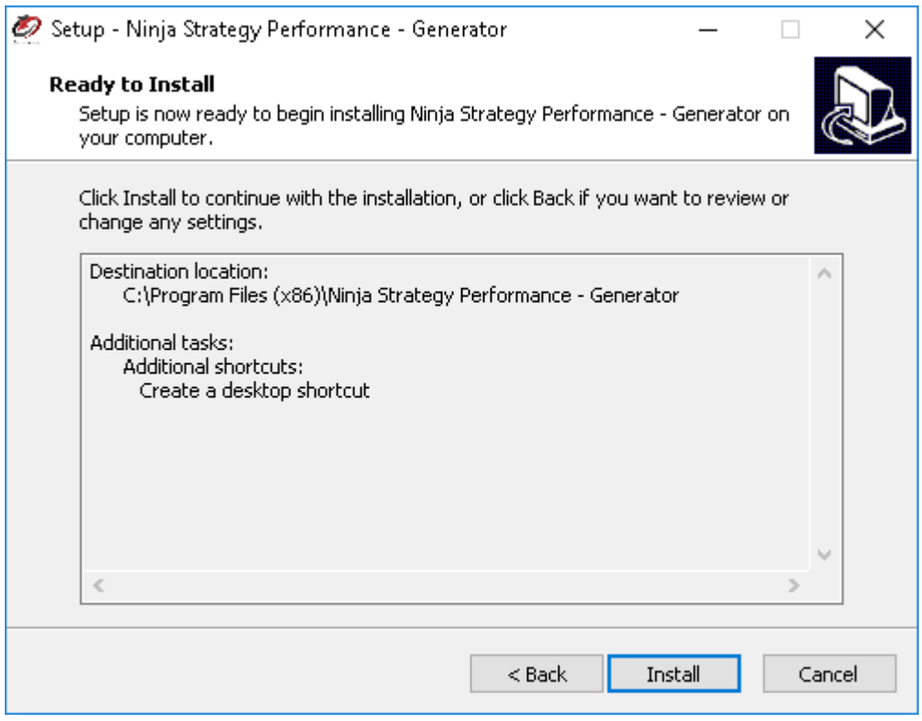
2. Select Additional Tasks

- Put a check on the box to create a desktop shortcut.
- Click Next, to continue.



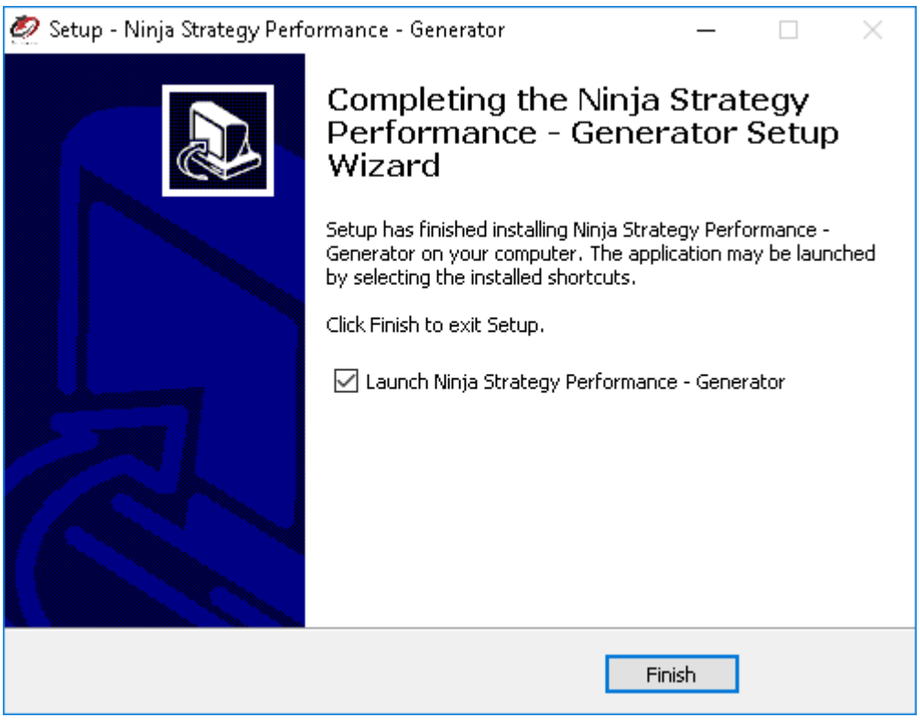
3. **Ready to Install**

   - Click Install to continue with the installation, or click Back if you want to review or change any settings.



4. **Completing the Setup**

   - Setup has finished installing Ninja Strategy Performance - Generator on your computer.
   - Put a check on the box to Launch Ninja Strategy Performance - Generator after the setup.
   - Click finish to exit Setup.



2. Download and install Microsoft Access database engine 2010 x64 bit

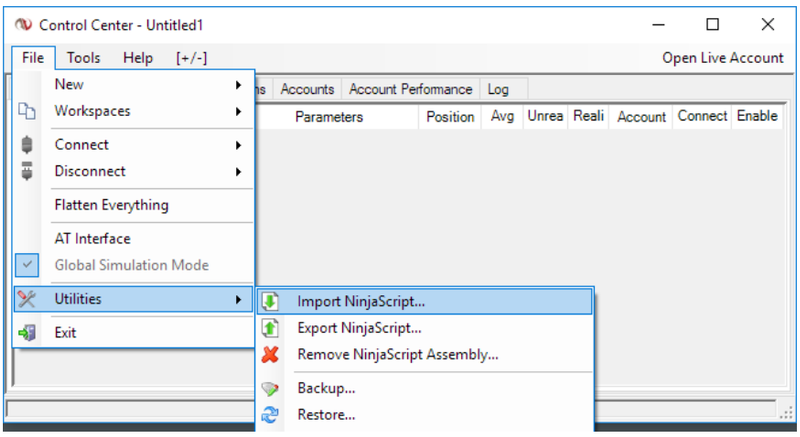
https://www.microsoft.com/en-us/download/details.aspx?id=13255

Note: Download and install only if not exist in your machine.

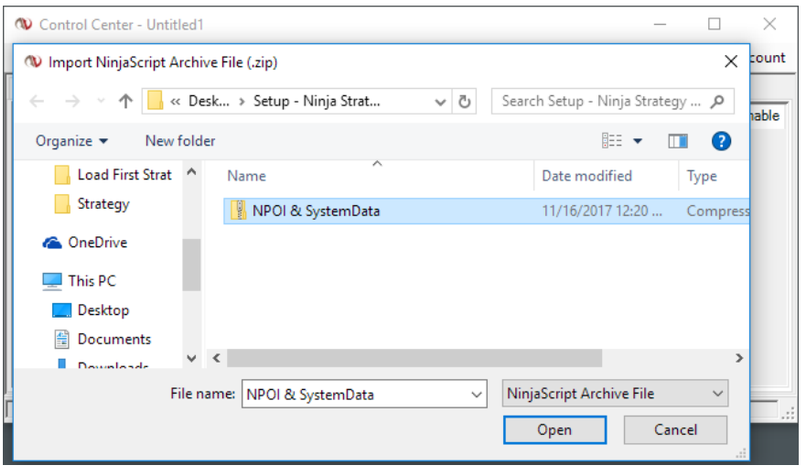
3. Importing NPOI & SystemData DLL's – Strategy Compatibility Tool

These are free DLL files that can be downloaded from web and are required for Ninja Strategy Performance… should be found inside in your downloaded **Setup – Ninja Strategy Performance – Generator.zip**

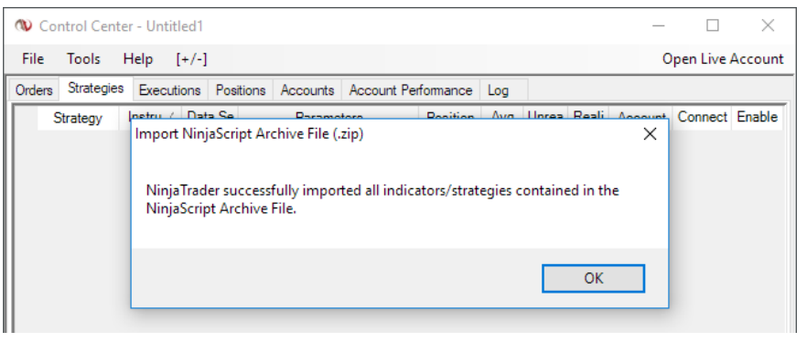
Open NinjaTrader Control Center. Go to File > Utilities > then click Import NinjaScript.



Browse the NPOI & SystemData zip file. Then, click Open to import.



NinjaTrader successfully imported the required DLL files!… To continue, click OK.



4. Strategy Compatibility Tool in Ninja Strategy Performance - Generator Module

The purpose is to make your open-source Strategy for NinjaTrader 7 compatible to Ninja Strategy Performance -Generator in just one go.

Step by step process on how to use Ninja Strategy Loader and Generator

1. Strategy Loader

1. **Optimization.** Please run Optimization in Strategy Analyzer and Save Optimization Results.

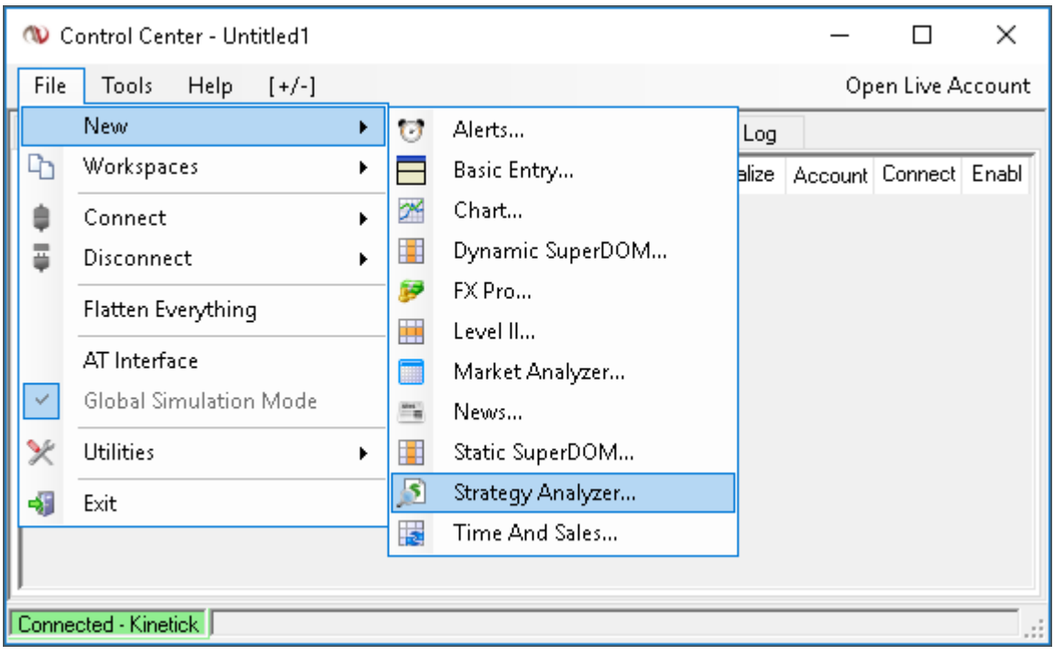
   Select instrument and make sure to set “keep best # results” you wish to optimize.

   a. **Setup connection**

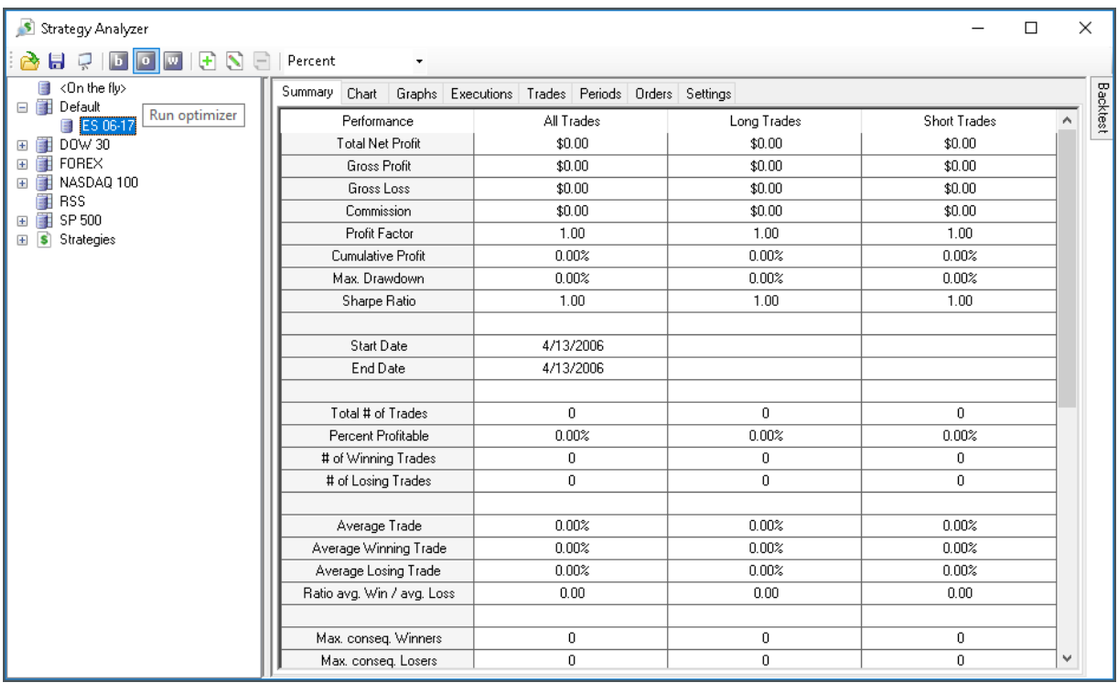
   - Go to File > Connect > Kinetic

   b. **Setup Strategy Analyzer**

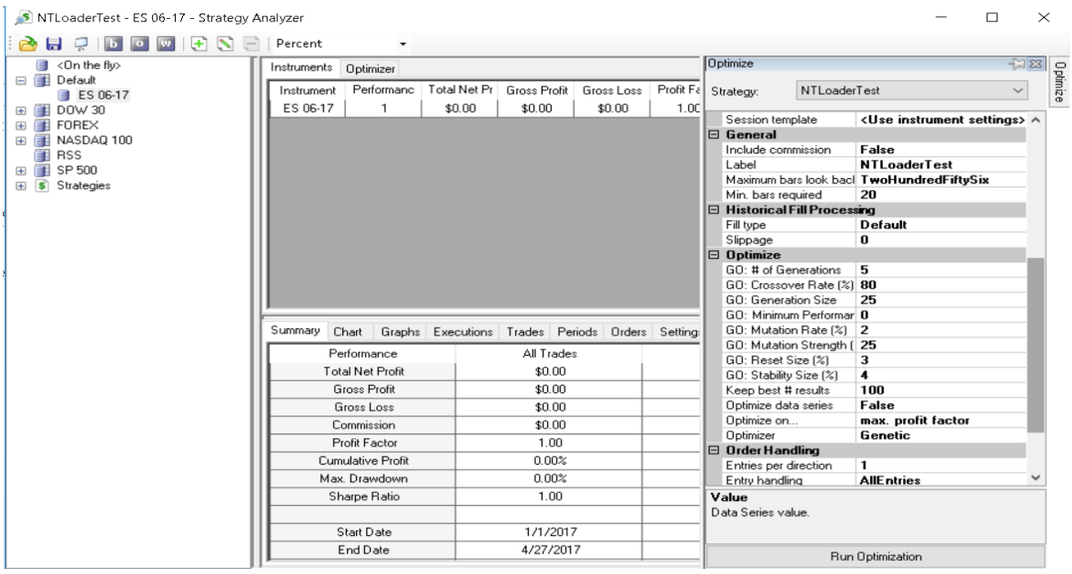
   - Go to File > New > Strategy Analyzer



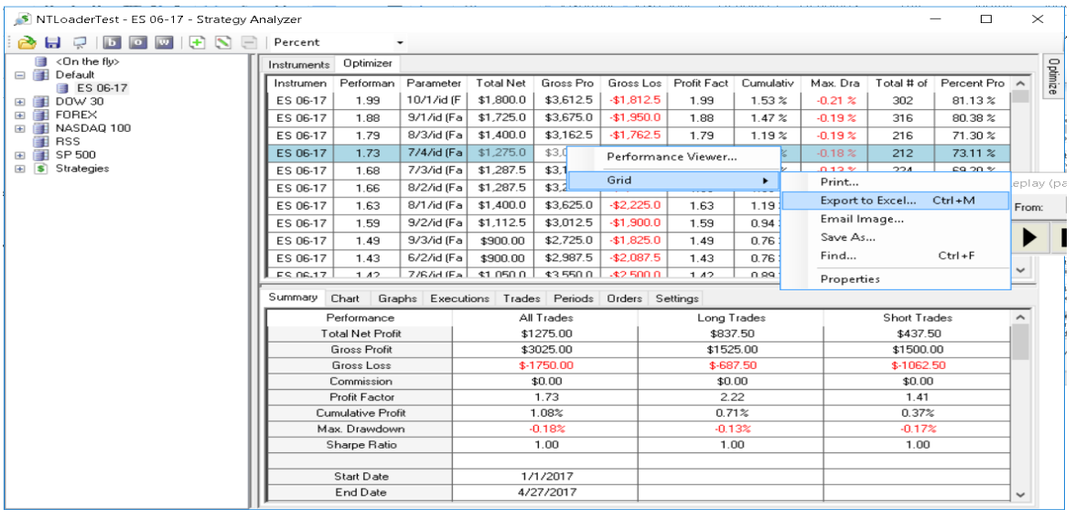
   - Select instrument and click Run optimizer. Set, then Run Optimization.



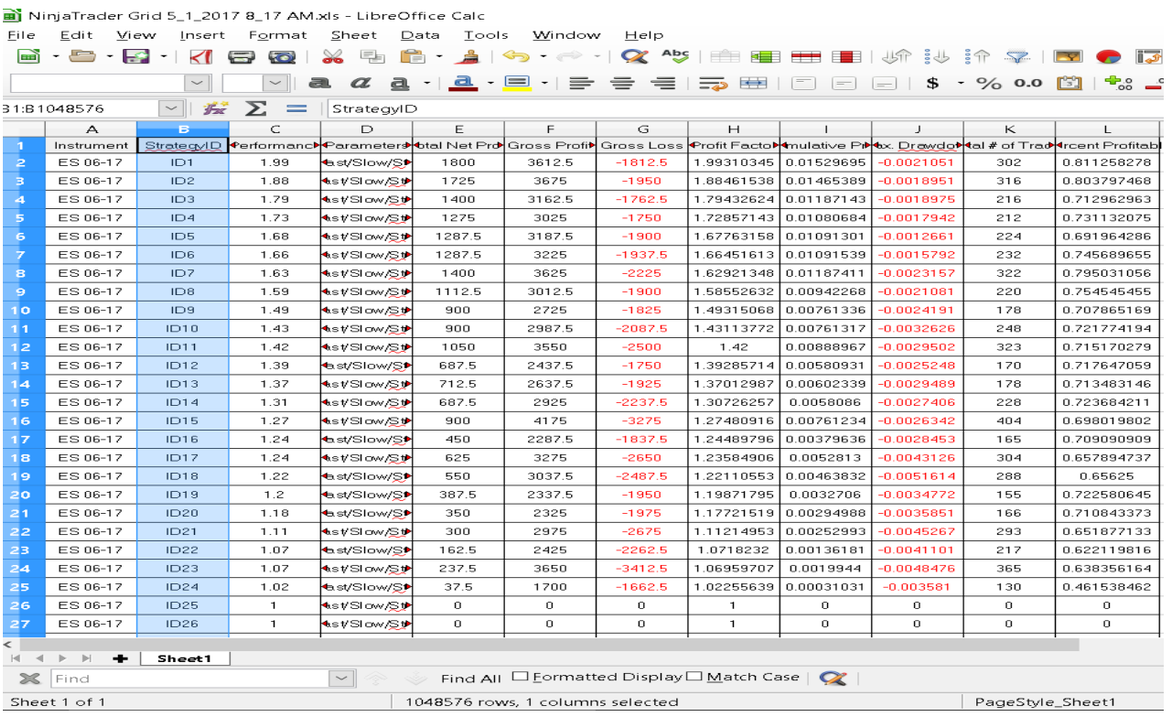
Ninja Strategy Tools
Strategy Loader & Generator
For NinjaTrader



- Save the results - Go to Optimizer tab, right click on results and go to Grid then Export to Excel.



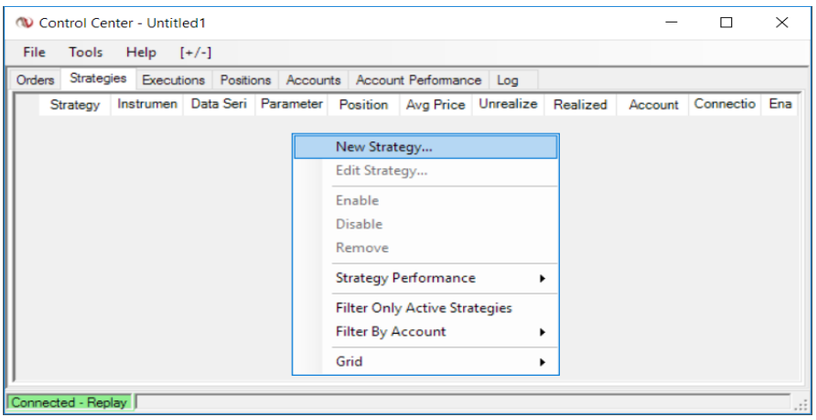
- Insert “StrategyID” column in your excel and fill in series. This will be a unique ID of every strategy. Then, save.



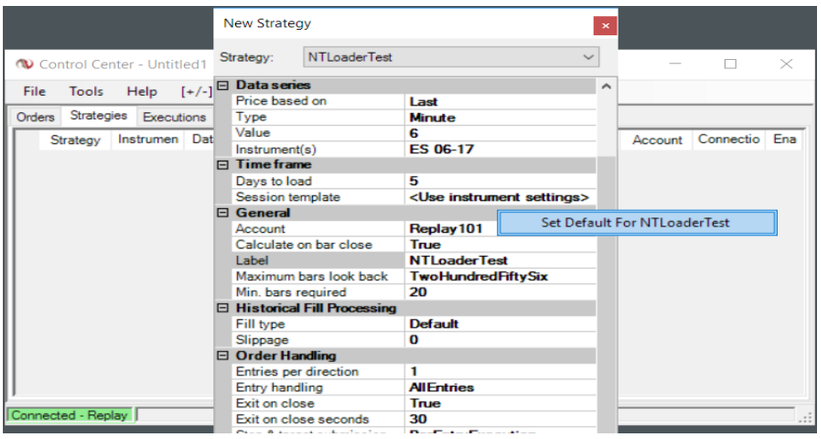
	A	B	C	D	E	F	G	H	I	J	K	L
1	Instrument	StrategyID	Performanc	Parameters	otal Net Pro	Gross Profi	Gross Loss	Profit Facto	mulative Pr	x. Drawdo	tal # of Trad	rcent Profitab
2	ES 06-17	ID1	1.99	ast/Slow/St	1800	3612.5	-1812.5	1.99310345	0.01529695	-0.0021051	302	0.811258278
3	ES 06-17	ID2	1.88	ast/Slow/St	1725	3675	-1950	1.88461538	0.01465389	-0.0018951	316	0.803797468
4	ES 06-17	ID3	1.79	ast/Slow/St	1400	3162.5	-1762.5	1.79432624	0.01187143	-0.0018975	216	0.712962963
5	ES 06-17	ID4	1.73	ast/Slow/St	1275	3025	-1750	1.72857143	0.01080684	-0.0017942	212	0.731132075
6	ES 06-17	ID5	1.68	ast/Slow/St	1287.5	3187.5	-1900	1.67763158	0.01091301	-0.0012661	224	0.691964286
7	ES 06-17	ID6	1.66	ast/Slow/St	1287.5	3225	-1937.5	1.66451613	0.01091539	-0.0015792	232	0.745689655
8	ES 06-17	ID7	1.63	ast/Slow/St	1400	3625	-2225	1.62921348	0.01187411	-0.0023157	322	0.795031056
9	ES 06-17	ID8	1.59	ast/Slow/St	1112.5	3012.5	-1900	1.58552632	0.00942268	-0.0021081	220	0.754545455
10	ES 06-17	ID9	1.49	ast/Slow/St	900	2725	-1825	1.49315068	0.00761336	-0.0024191	178	0.707865169
11	ES 06-17	ID10	1.43	ast/Slow/St	900	2987.5	-2087.5	1.43113772	0.00761317	-0.0032626	248	0.721774194
12	ES 06-17	ID11	1.42	ast/Slow/St	1050	3550	-2500	1.42	0.00888967	-0.0029502	323	0.715170279
13	ES 06-17	ID12	1.39	ast/Slow/St	687.5	2437.5	-1750	1.39285714	0.00580931	-0.0025248	170	0.717647059
14	ES 06-17	ID13	1.37	ast/Slow/St	712.5	2637.5	-1925	1.37012987	0.00602339	-0.0029489	178	0.713483146
15	ES 06-17	ID14	1.31	ast/Slow/St	687.5	2925	-2237.5	1.30726257	0.0058086	-0.0027406	228	0.723684211
16	ES 06-17	ID15	1.27	ast/Slow/St	900	4175	-3275	1.27480916	0.00761234	-0.0026342	404	0.698019802
17	ES 06-17	ID16	1.24	ast/Slow/St	450	2287.5	-1837.5	1.24489796	0.00379636	-0.0028453	165	0.709090909
18	ES 06-17	ID17	1.24	ast/Slow/St	625	3275	-2650	1.23584906	0.0052813	-0.0043126	304	0.657894737
19	ES 06-17	ID18	1.22	ast/Slow/St	550	3037.5	-2487.5	1.22110553	0.00463832	-0.0051614	288	0.65625
20	ES 06-17	ID19	1.2	ast/Slow/St	387.5	2337.5	-1950	1.19871795	0.0032706	-0.0034772	155	0.722580645
21	ES 06-17	ID20	1.18	ast/Slow/St	350	2325	-1975	1.17721519	0.00294988	-0.0035851	166	0.710843373
22	ES 06-17	ID21	1.11	ast/Slow/St	300	2975	-2675	1.11214953	0.00252993	-0.0045267	293	0.651877133
23	ES 06-17	ID22	1.07	ast/Slow/St	162.5	2425	-2262.5	1.0718232	0.00136181	-0.0041101	217	0.622119816
24	ES 06-17	ID23	1.07	ast/Slow/St	237.5	3650	-3412.5	1.06959707	0.0019944	-0.0048476	365	0.638356164
25	ES 06-17	ID24	1.02	ast/Slow/St	37.5	1700	-1662.5	1.02255639	0.00031031	-0.003581	130	0.461538462
26	ES 06-17	ID25	1	ast/Slow/St	0	0	0	1	0	0	0	0
27	ES 06-17	ID26	1	ast/Slow/St	0	0	0	1	0	0	0	0

2. Set default Strategy.

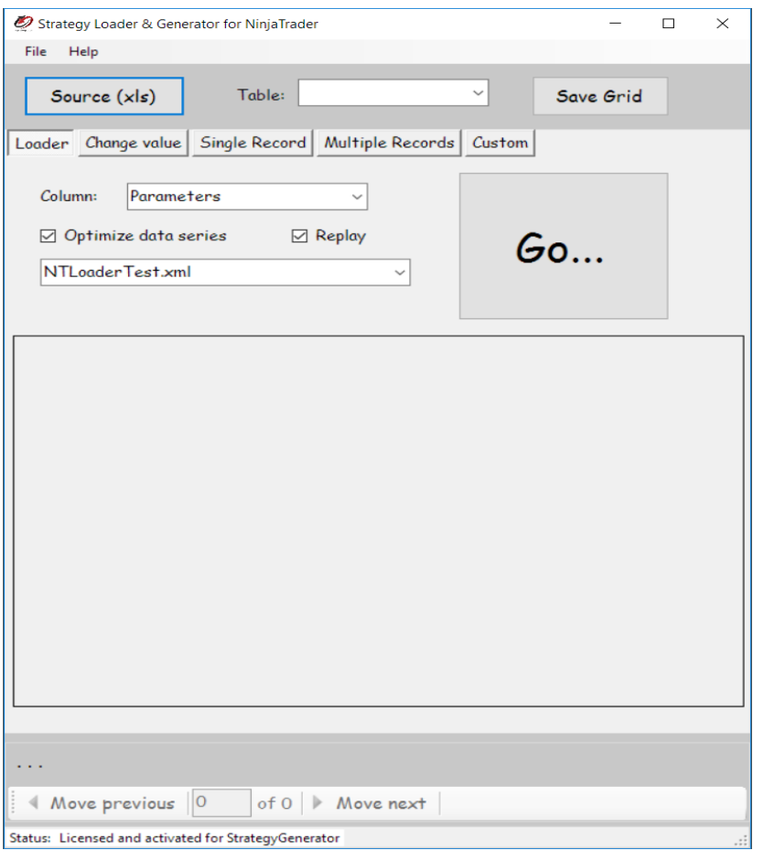
- Go to Control Center > Strategies tab, right click then New Strategy.



- Set default – Right click in your strategy.

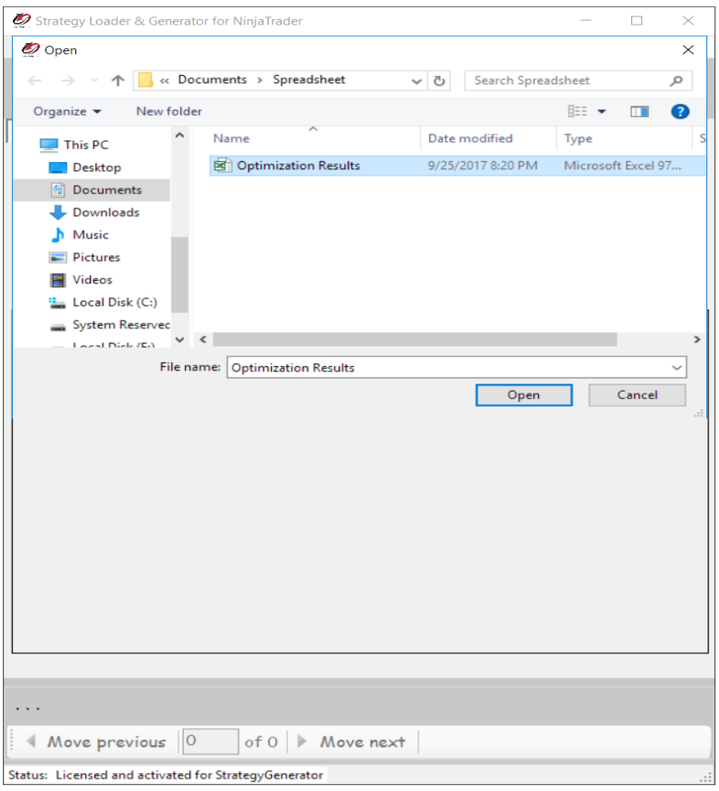


3. Open Ninja Strategy Performance - Generator

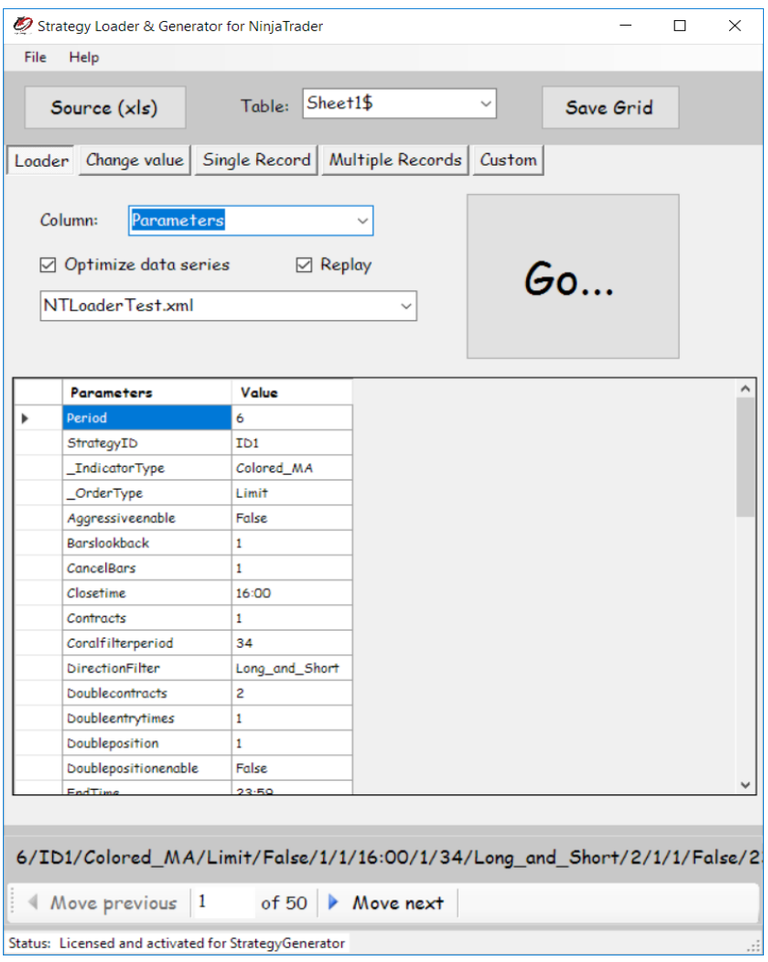


a. Load First Strategy

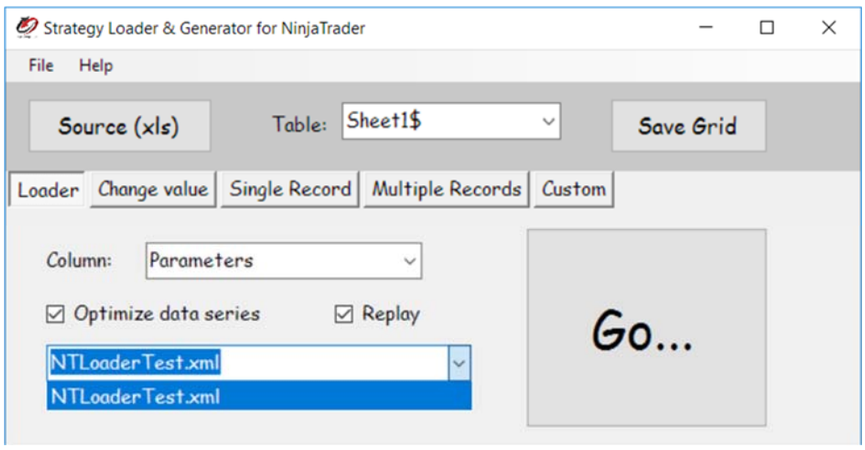
- Load the Excel file by clicking the Source (xls) button, then find your excel file, and click open.



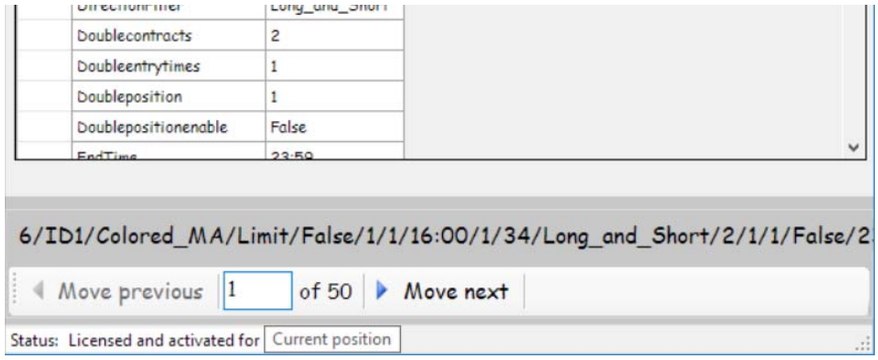
- When you select a file, it will automatically open to the Parameters - that is the location of the data. That is the only file that will display all the data.



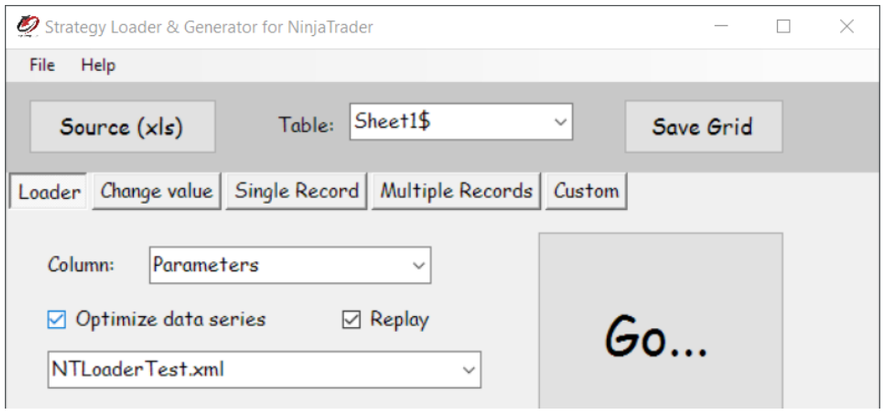
- Select your Strategy.



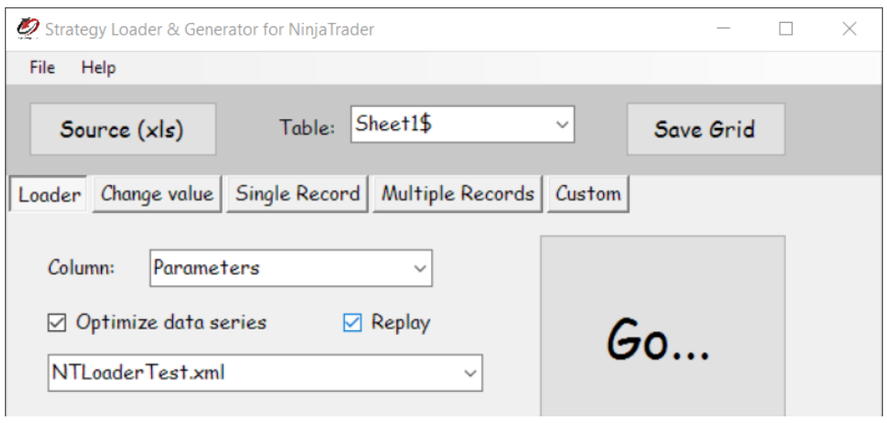
- You can also jump to specific rows by typing the number in the box.



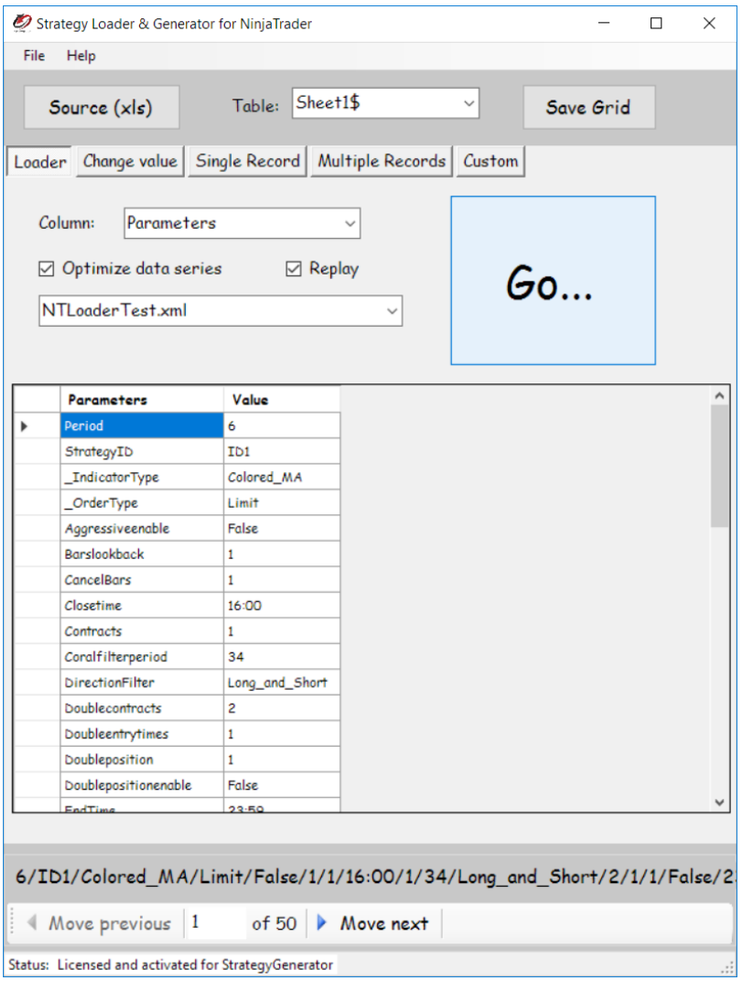
- Optimize data. Leave it check to optimize data series.



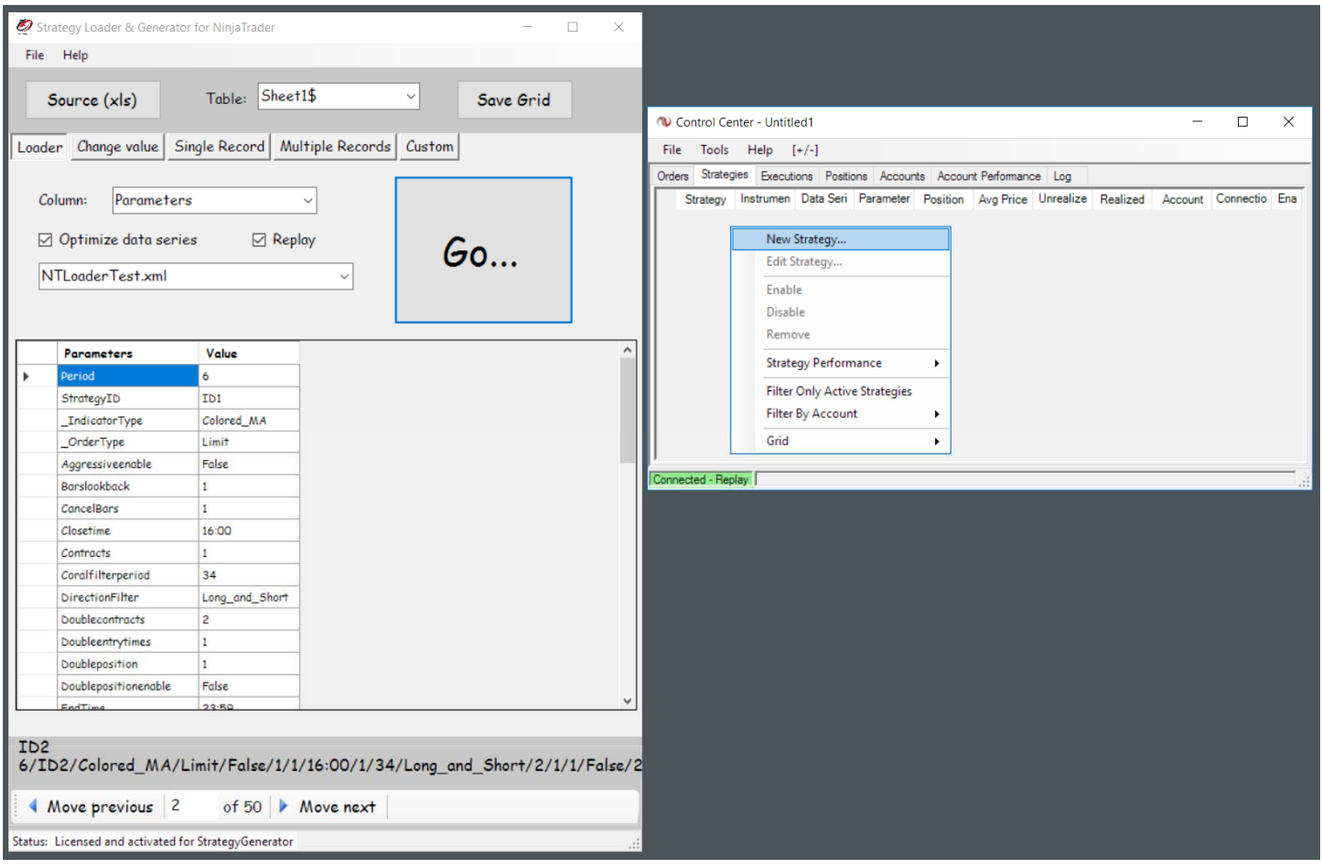
- Check Replay box if you are running Market Replay.



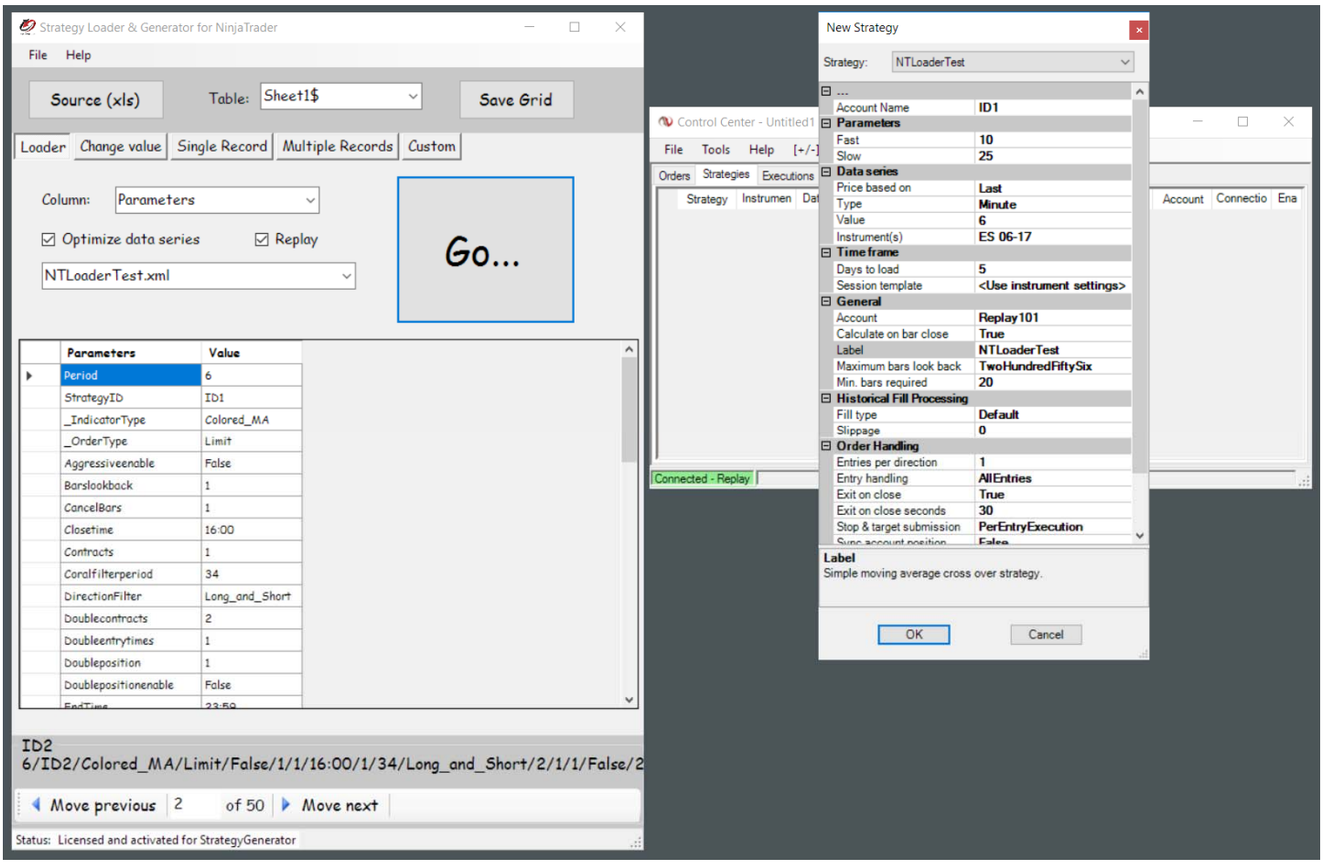
- Go button - Click go to load data. (Then, it automatically moves on the next Strategy.

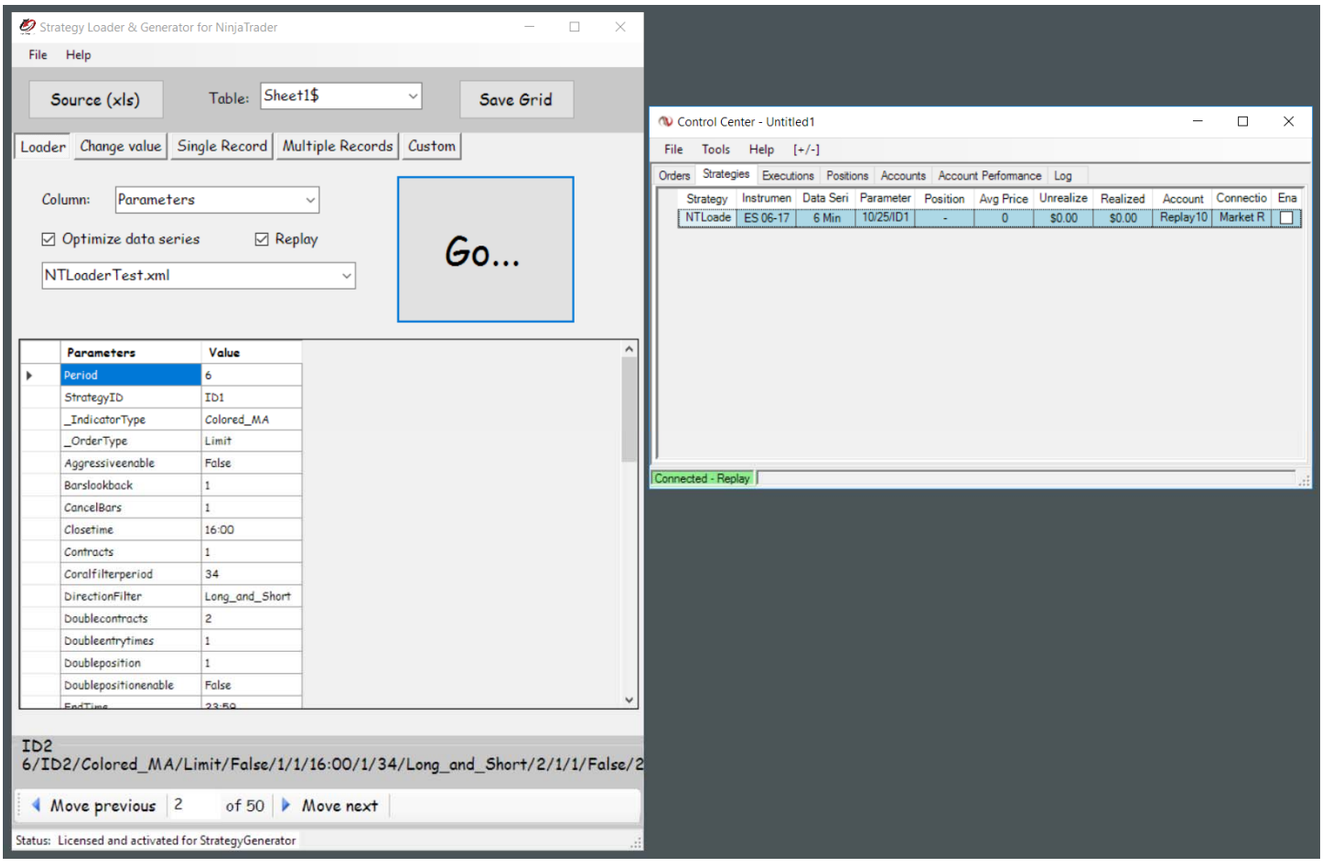


- Go to NinjaTrader Control Center - Right click on Strategies tab. Click New Strategy, then click OK.



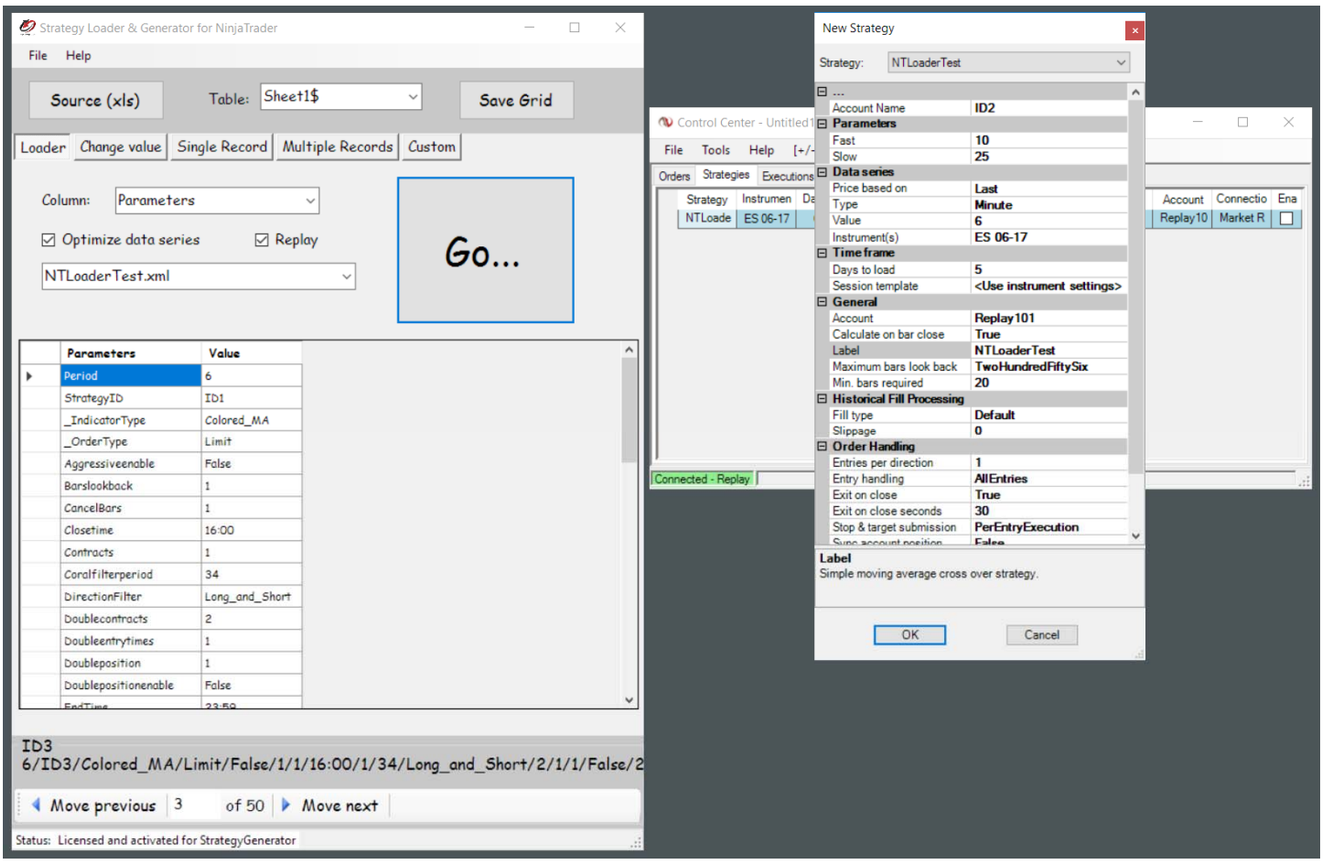
Ninja Strategy Tools
Strategy Loader & Generator
For NinjaTrader

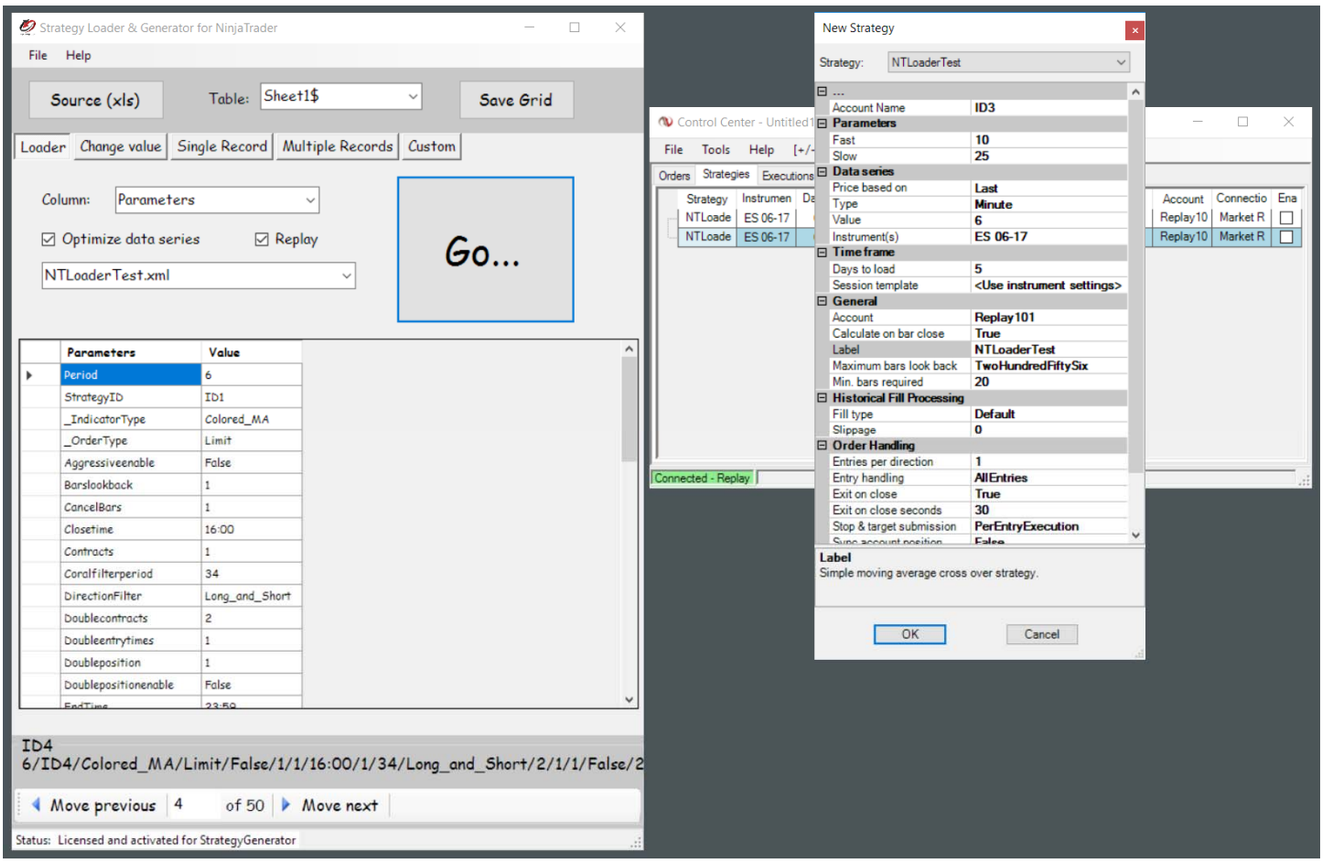




b. Load each values. Repeat the process…

- Click Go button on Ninja Strategy Performance - Generator.
- Right click on Strategies tab.
- Then New Strategy and click OK or press Enter key.

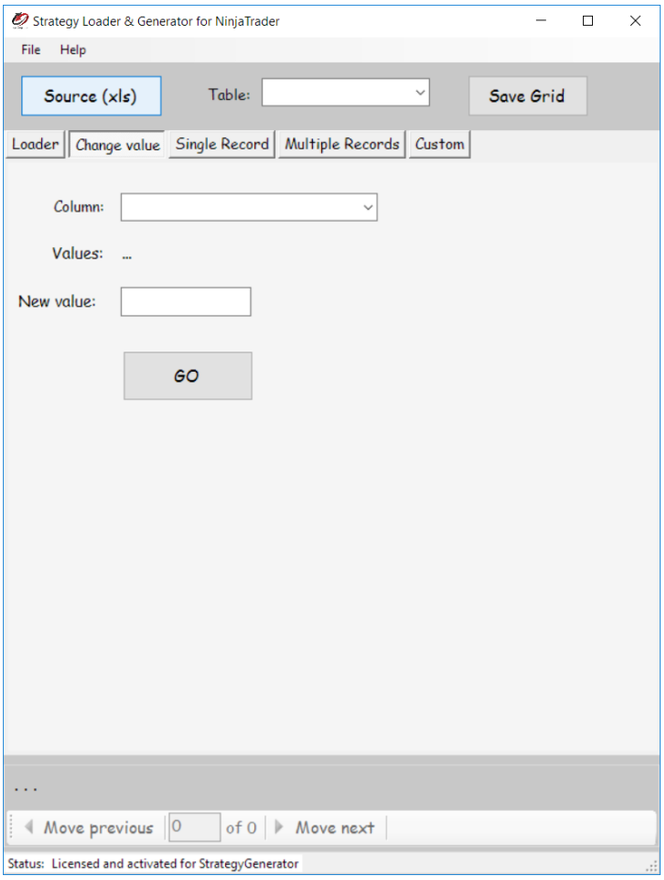




Step by step process on how to use Ninja Strategy Generator

2. Strategy Generator

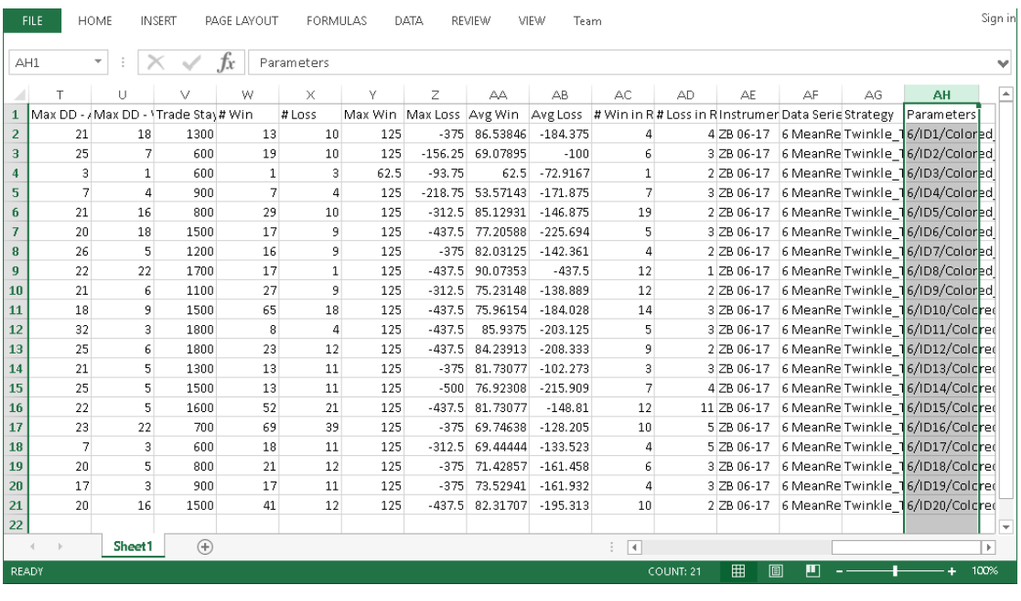
Open Ninja Strategy Performance - Generator



Different top sections based on what you want to do.

Tab. **Change value**

Change a single value to all records in the file.

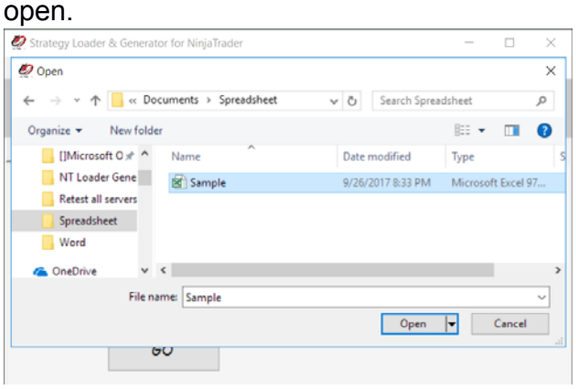


	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
1	Max DD - /	Max DD - \	Trade Stay	# Win	# Loss	Max Win	Max Loss	Avg Win	Avg Loss	# Win in R	# Loss in R	Instrumer	Data Serie	Strategy	Parameters
2	21	18	1300	13	10	125	-375	86.53846	-184.375	4	4	ZB 06-17	6 MeanRe	Twinkle_T	6/ID1/Colored
3	25	7	600	19	10	125	-156.25	69.07895	-100	6	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID2/Colored
4	3	1	600	1	3	62.5	-93.75	62.5	-72.9167	1	2	ZB 06-17	6 MeanRe	Twinkle_T	6/ID3/Colored
5	7	4	900	7	4	125	-218.75	53.57143	-171.875	7	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID4/Colored
6	21	16	800	29	10	125	-312.5	85.12931	-146.875	19	2	ZB 06-17	6 MeanRe	Twinkle_T	6/ID5/Colored
7	20	18	1500	17	9	125	-437.5	77.20588	-225.694	5	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID6/Colored
8	26	5	1200	16	9	125	-375	82.03125	-142.361	4	2	ZB 06-17	6 MeanRe	Twinkle_T	6/ID7/Colored
9	22	22	1700	17	1	125	-437.5	90.07353	-437.5	12	1	ZB 06-17	6 MeanRe	Twinkle_T	6/ID8/Colored
10	21	6	1100	27	9	125	-312.5	75.23148	-138.889	12	2	ZB 06-17	6 MeanRe	Twinkle_T	6/ID9/Colored
11	18	9	1500	65	18	125	-437.5	75.96154	-184.028	14	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID10/Colored
12	32	3	1800	8	4	125	-437.5	85.9375	-203.125	5	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID11/Colored
13	25	6	1800	23	12	125	-437.5	84.23913	-208.333	9	2	ZB 06-17	6 MeanRe	Twinkle_T	6/ID12/Colored
14	21	5	1300	13	11	125	-375	81.73077	-102.273	3	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID13/Colored
15	25	5	1500	13	11	125	-500	76.92308	-215.909	7	4	ZB 06-17	6 MeanRe	Twinkle_T	6/ID14/Colored
16	22	5	1600	52	21	125	-437.5	81.73077	-148.81	12	11	ZB 06-17	6 MeanRe	Twinkle_T	6/ID15/Colored
17	23	22	700	69	39	125	-375	69.74638	-128.205	10	5	ZB 06-17	6 MeanRe	Twinkle_T	6/ID16/Colored
18	7	3	600	18	11	125	-312.5	69.44444	-133.523	4	5	ZB 06-17	6 MeanRe	Twinkle_T	6/ID17/Colored
19	20	5	800	21	12	125	-375	71.42857	-161.458	6	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID18/Colored
20	17	3	900	17	11	125	-375	73.52941	-161.932	4	3	ZB 06-17	6 MeanRe	Twinkle_T	6/ID19/Colored
21	20	16	1500	41	12	125	-437.5	82.31707	-195.313	10	2	ZB 06-17	6 MeanRe	Twinkle_T	6/ID20/Colored
22															

Example:

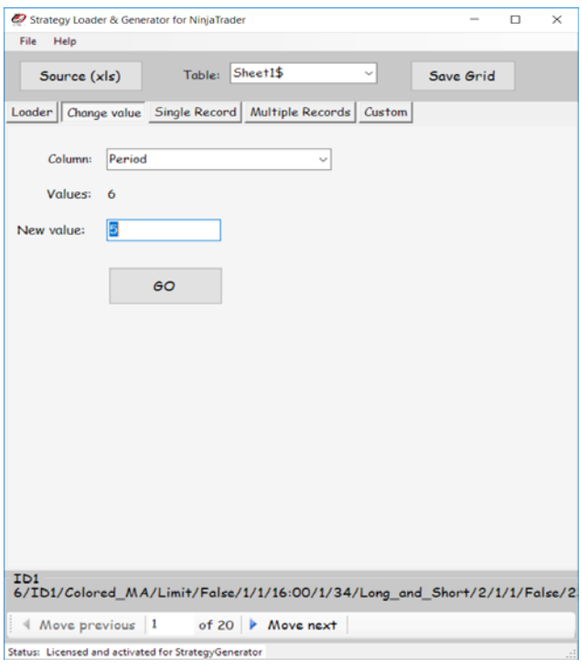
Change Period - Values

- Load the Excel file by clicking the Source (xls) button, then find your excel file, and click open.



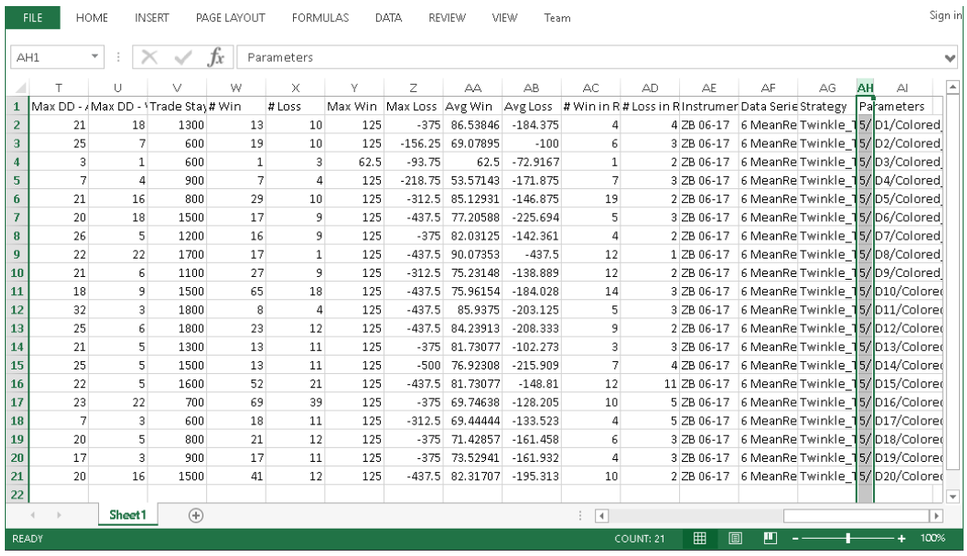
- When you select a file, it will automatically open to the Parameters - that is the location of the data. That is the only file that will display all the data.

- Put New Value on the box. Then, click GO button.



Results:

The original file is updated and changed – Period Values from 6 changed to 5. There is no new file created.



	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
1	Max DD - A	Max DD - T	Trade Stay	# Win	# Loss	Max Win	Max Loss	Avg Win	Avg Loss	# Win in R	# Loss in R	Instrumer	Data Serie	Strategy	Parameters	
2	21	18	1300	13	10	125	-375	86.53846	-184.375	4	4	ZB 06-17	6 MeanRe	Twinkle_1	5/	D1/Colored
3	25	7	600	19	10	125	-156.25	69.07895	-100	6	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D2/Colored
4	3	1	600	1	3	62.5	-93.75	62.5	-72.9167	1	2	ZB 06-17	6 MeanRe	Twinkle_1	5/	D3/Colored
5	7	4	900	7	4	125	-218.75	53.57143	-171.875	7	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D4/Colored
6	21	16	800	29	10	125	-312.5	85.12931	-146.875	19	2	ZB 06-17	6 MeanRe	Twinkle_1	5/	D5/Colored
7	20	18	1500	17	9	125	-437.5	77.20588	-225.694	5	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D6/Colored
8	26	5	1200	16	9	125	-375	82.03125	-142.361	4	2	ZB 06-17	6 MeanRe	Twinkle_1	5/	D7/Colored
9	22	22	1700	17	1	125	-437.5	90.07353	-437.5	12	1	ZB 06-17	6 MeanRe	Twinkle_1	5/	D8/Colored
10	21	6	1100	27	9	125	-312.5	75.23148	-138.889	12	2	ZB 06-17	6 MeanRe	Twinkle_1	5/	D9/Colored
11	18	9	1500	65	18	125	-437.5	75.96154	-184.028	14	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D10/Colore
12	32	3	1800	8	4	125	-437.5	85.9375	-203.125	5	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D11/Colore
13	25	6	1800	23	12	125	-437.5	84.23913	-208.333	9	2	ZB 06-17	6 MeanRe	Twinkle_1	5/	D12/Colore
14	21	5	1300	13	11	125	-375	81.73077	-102.273	3	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D13/Colore
15	25	5	1500	13	11	125	-500	76.92308	-215.909	7	4	ZB 06-17	6 MeanRe	Twinkle_1	5/	D14/Colore
16	22	5	1600	52	21	125	-437.5	81.73077	-148.81	12	11	ZB 06-17	6 MeanRe	Twinkle_1	5/	D15/Colore
17	23	22	700	69	39	125	-375	69.74638	-128.205	10	5	ZB 06-17	6 MeanRe	Twinkle_1	5/	D16/Colore
18	7	3	600	18	11	125	-312.5	69.44444	-133.523	4	5	ZB 06-17	6 MeanRe	Twinkle_1	5/	D17/Colore
19	20	5	800	21	12	125	-375	71.42857	-161.458	6	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D18/Colore
20	17	3	900	17	11	125	-375	73.52941	-161.932	4	3	ZB 06-17	6 MeanRe	Twinkle_1	5/	D19/Colore
21	20	16	1500	41	12	125	-437.5	82.31707	-195.313	10	2	ZB 06-17	6 MeanRe	Twinkle_1	5/	D20/Colore
22																

Tab. **Single Record**

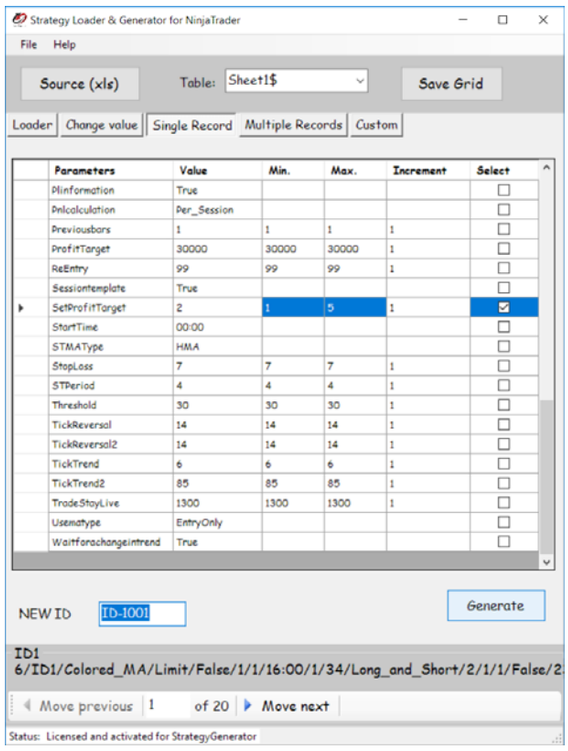
Creates as a new output file spreadsheet. Original file is untouched. Generate multiple values with New Unique IDs.

Takes the first record and uses those values and creates multiple new strategies based on changes to new values.

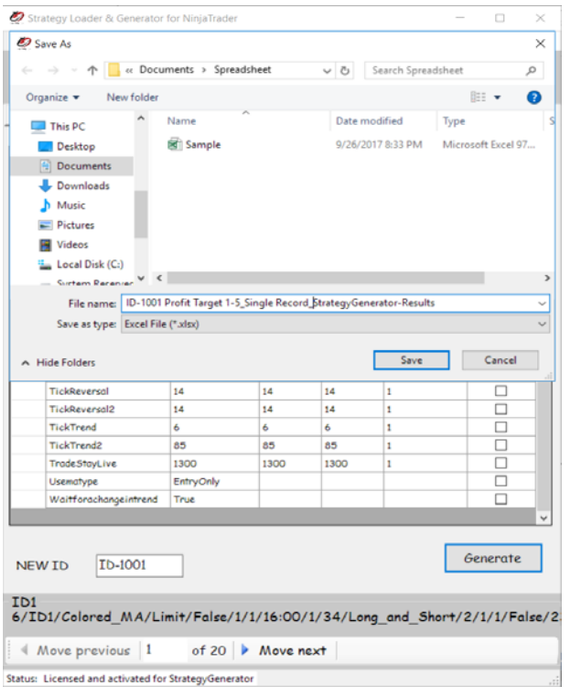
Example:

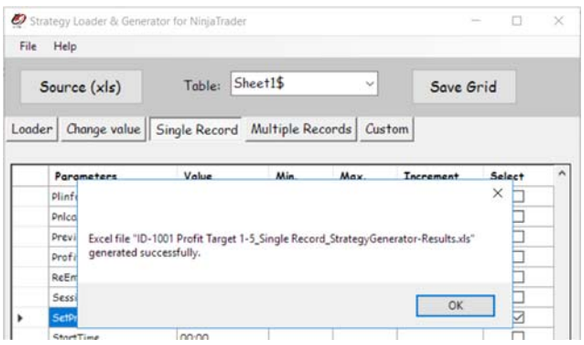
1. **Profit Target** – 1 variable

- We change the value into Min. from 2 down to 1, and Max. from 2 to 5.
- **New ID** – Put your ID on the box to generate new unique ID's. Example: "ID-(numbers)".
- Then, put a check on the check box – Select column.



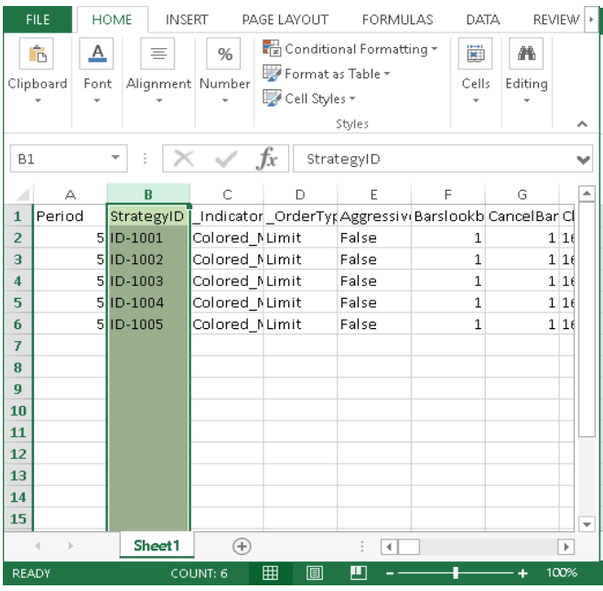
- To continue – click Generate button, choose where to save – you can also rename the file, and click Save to continue.

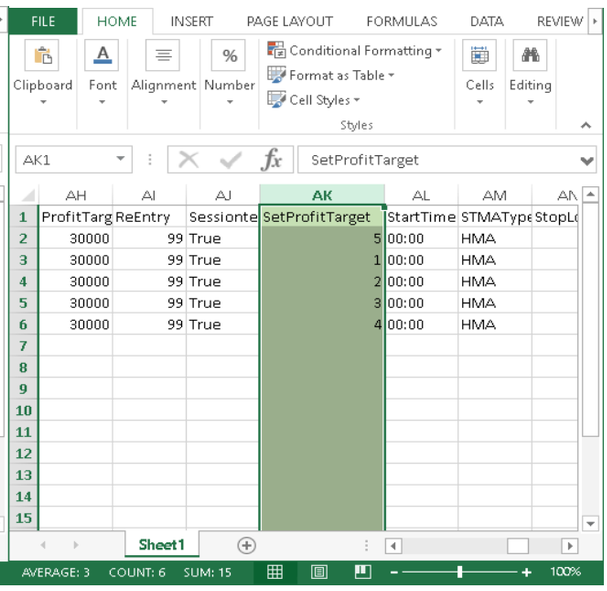




Results:

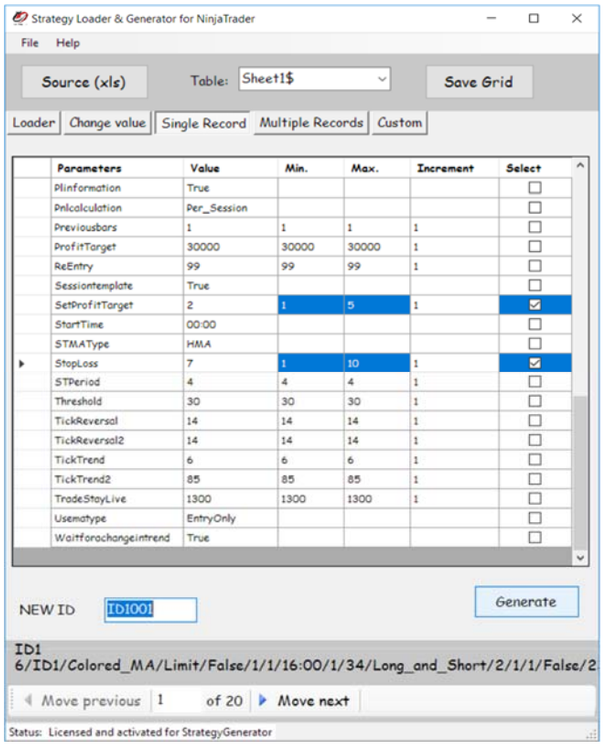
Record – ID1(Original StrategyID in the spreadsheet on the 1st column) is now converted into 5 new records with New Unique IDs and ProfitTarget Values of 1 to 5.



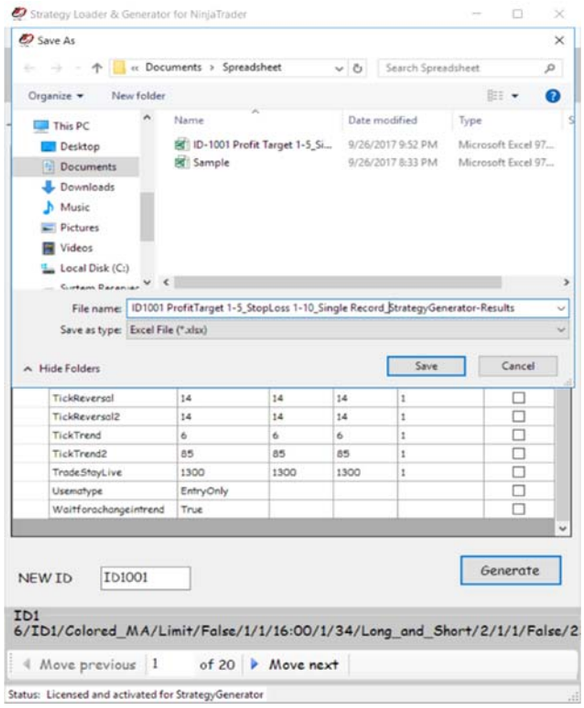


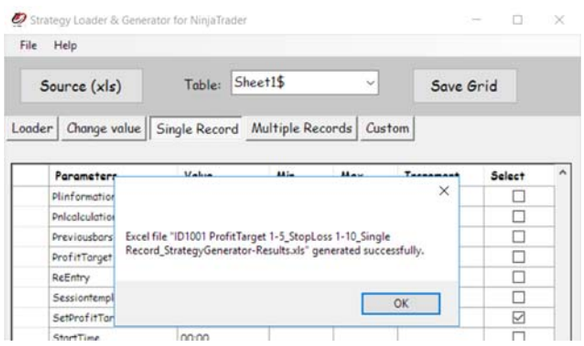
2. **ProfitTarget and StopLoss** – 2 variables

- ProfitTarget – We change the value into Min. of 1 and Max. of 5.
- StopLoss – We change the value into Min. of 1 and Max. of 10.
- New ID – Put your ID on the box. Example: “ID(numbers)”.
- Then, put a check on the check box – Select column.



- To continue – click Generate button, choose where to save, and click Save to continue.



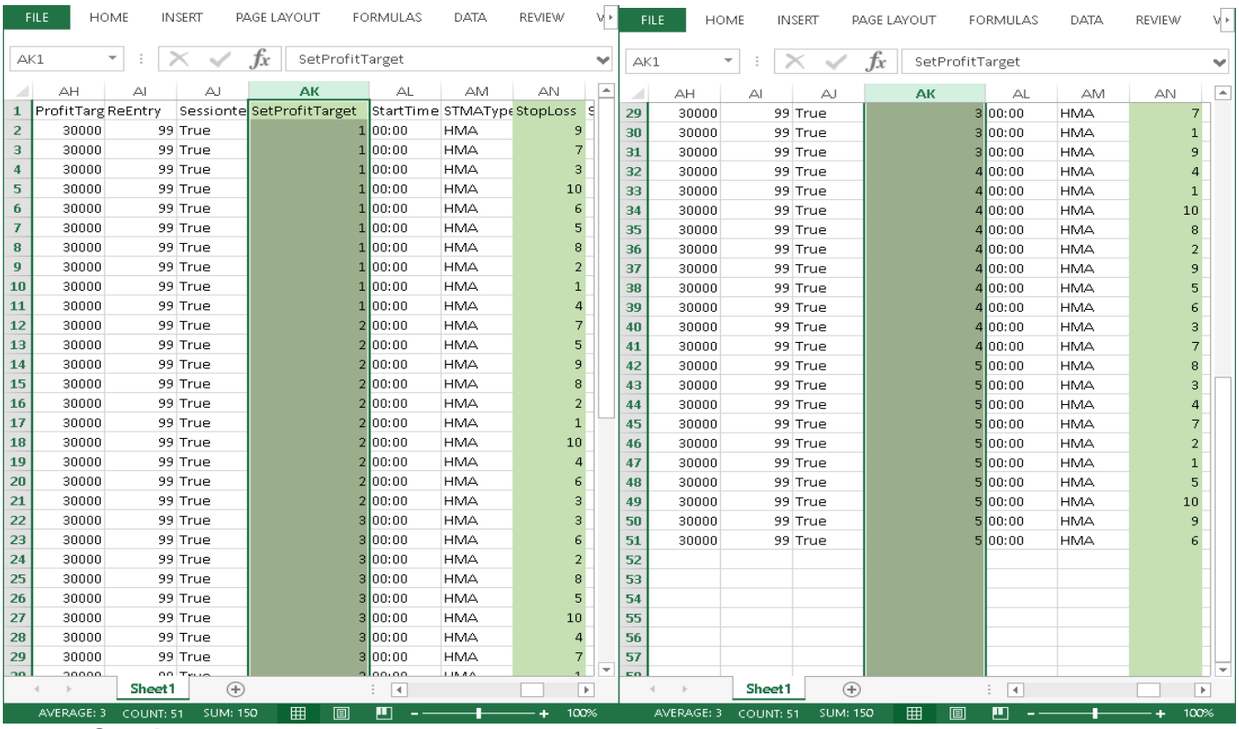


Results:

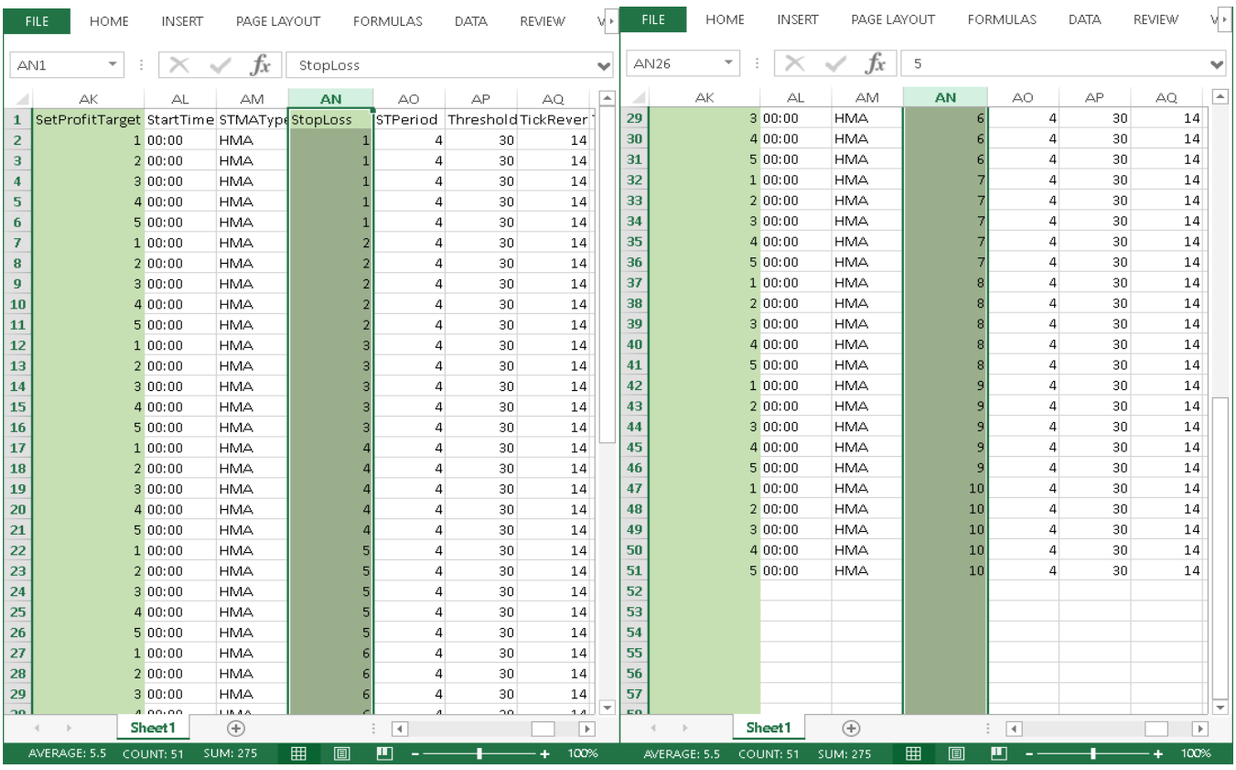
ProfitTarget values of 1-5 multiply by 1-10 values of StopLoss – total generation of 50 new records with New Unique IDs.

ProfitTarget

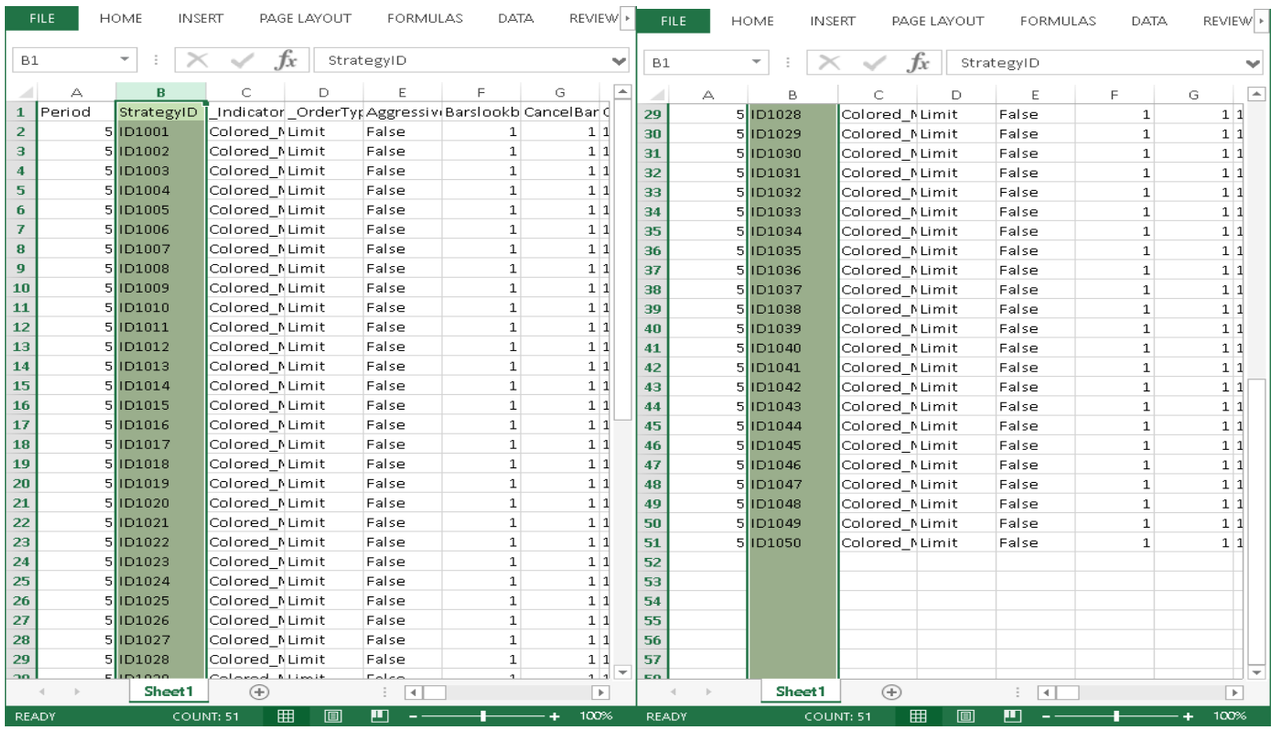
Ninja Strategy Tools
Strategy Loader & Generator
For NinjaTrader



StopLoss



New Unique IDs



Period	StrategyID	_Indicator	_OrderTyp	Aggressiv	Barslookb	CancelBar
5	ID1001	Colored_M	Limit	False	1	1 1
5	ID1002	Colored_M	Limit	False	1	1 1
5	ID1003	Colored_M	Limit	False	1	1 1
5	ID1004	Colored_M	Limit	False	1	1 1
5	ID1005	Colored_M	Limit	False	1	1 1
5	ID1006	Colored_M	Limit	False	1	1 1
5	ID1007	Colored_M	Limit	False	1	1 1
5	ID1008	Colored_M	Limit	False	1	1 1
5	ID1009	Colored_M	Limit	False	1	1 1
5	ID1010	Colored_M	Limit	False	1	1 1
5	ID1011	Colored_M	Limit	False	1	1 1
5	ID1012	Colored_M	Limit	False	1	1 1
5	ID1013	Colored_M	Limit	False	1	1 1
5	ID1014	Colored_M	Limit	False	1	1 1
5	ID1015	Colored_M	Limit	False	1	1 1
5	ID1016	Colored_M	Limit	False	1	1 1
5	ID1017	Colored_M	Limit	False	1	1 1
5	ID1018	Colored_M	Limit	False	1	1 1
5	ID1019	Colored_M	Limit	False	1	1 1
5	ID1020	Colored_M	Limit	False	1	1 1
5	ID1021	Colored_M	Limit	False	1	1 1
5	ID1022	Colored_M	Limit	False	1	1 1
5	ID1023	Colored_M	Limit	False	1	1 1
5	ID1024	Colored_M	Limit	False	1	1 1
5	ID1025	Colored_M	Limit	False	1	1 1
5	ID1026	Colored_M	Limit	False	1	1 1
5	ID1027	Colored_M	Limit	False	1	1 1
5	ID1028	Colored_M	Limit	False	1	1 1

Period	StrategyID	_Indicator	_OrderTyp	Aggressiv	Barslookb	CancelBar
5	ID1028	Colored_M	Limit	False	1	1 1
5	ID1029	Colored_M	Limit	False	1	1 1
5	ID1030	Colored_M	Limit	False	1	1 1
5	ID1031	Colored_M	Limit	False	1	1 1
5	ID1032	Colored_M	Limit	False	1	1 1
5	ID1033	Colored_M	Limit	False	1	1 1
5	ID1034	Colored_M	Limit	False	1	1 1
5	ID1035	Colored_M	Limit	False	1	1 1
5	ID1036	Colored_M	Limit	False	1	1 1
5	ID1037	Colored_M	Limit	False	1	1 1
5	ID1038	Colored_M	Limit	False	1	1 1
5	ID1039	Colored_M	Limit	False	1	1 1
5	ID1040	Colored_M	Limit	False	1	1 1
5	ID1041	Colored_M	Limit	False	1	1 1
5	ID1042	Colored_M	Limit	False	1	1 1
5	ID1043	Colored_M	Limit	False	1	1 1
5	ID1044	Colored_M	Limit	False	1	1 1
5	ID1045	Colored_M	Limit	False	1	1 1
5	ID1046	Colored_M	Limit	False	1	1 1
5	ID1047	Colored_M	Limit	False	1	1 1
5	ID1048	Colored_M	Limit	False	1	1 1
5	ID1049	Colored_M	Limit	False	1	1 1
5	ID1050	Colored_M	Limit	False	1	1 1

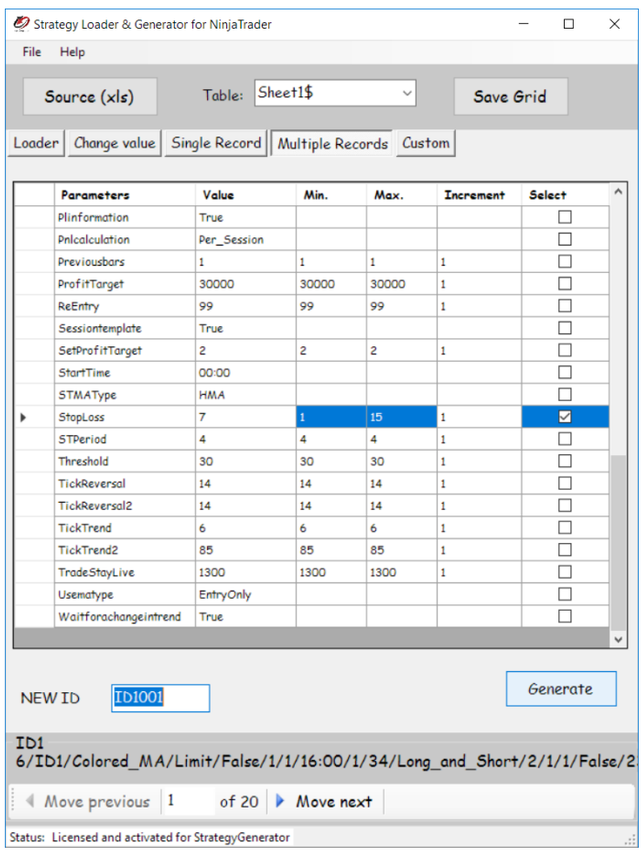
Tab. **Multiple Records** – Multiple new strategies

Creates as a new output file spreadsheet. Original file is untouched. Generate multiple values for a single strategy.

Takes the first record and uses those values and creates multiple new strategies based on changes to new values.

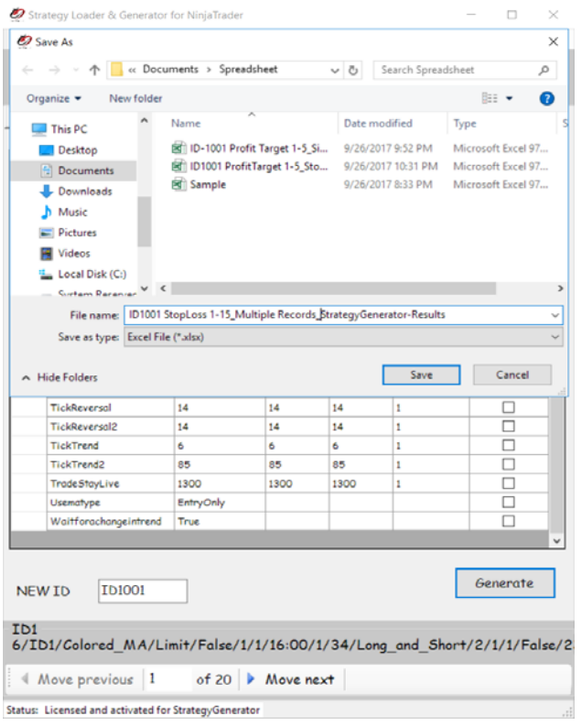
Example:

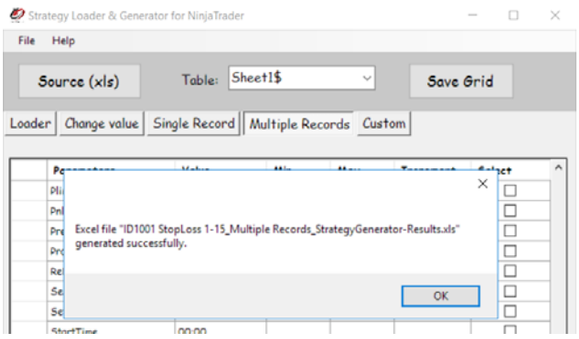
- StopLoss – We change the value into Min. of 1 and Max. of 15.
- New ID – Put your ID on the box.
- Then, put a check on the check box – Select column.



Parameters	Value	Min.	Max.	Increment	Select
Plinformation	True				☐
Pnlcalculation	Per_Session				☐
Previousbars	1	1	1	1	☐
ProfitTarget	30000	30000	30000	1	☐
ReEntry	99	99	99	1	☐
Sessiontemplate	True				☐
SetProfitTarget	2	2	2	1	☐
StartTime	00:00				☐
STMAType	HMA				☐
StopLoss	7	1	15	1	☑
STPeriod	4	4	4	1	☐
Threshold	30	30	30	1	☐
TickReversal	14	14	14	1	☐
TickReversal2	14	14	14	1	☐
TickTrend	6	6	6	1	☐
TickTrend2	85	85	85	1	☐
TradeStayLive	1300	1300	1300	1	☐
Usematype	EntryOnly				☐
Waitforachangeintrend	True				☐

- To continue – click Generate button, choose where to save, and click Save to continue.

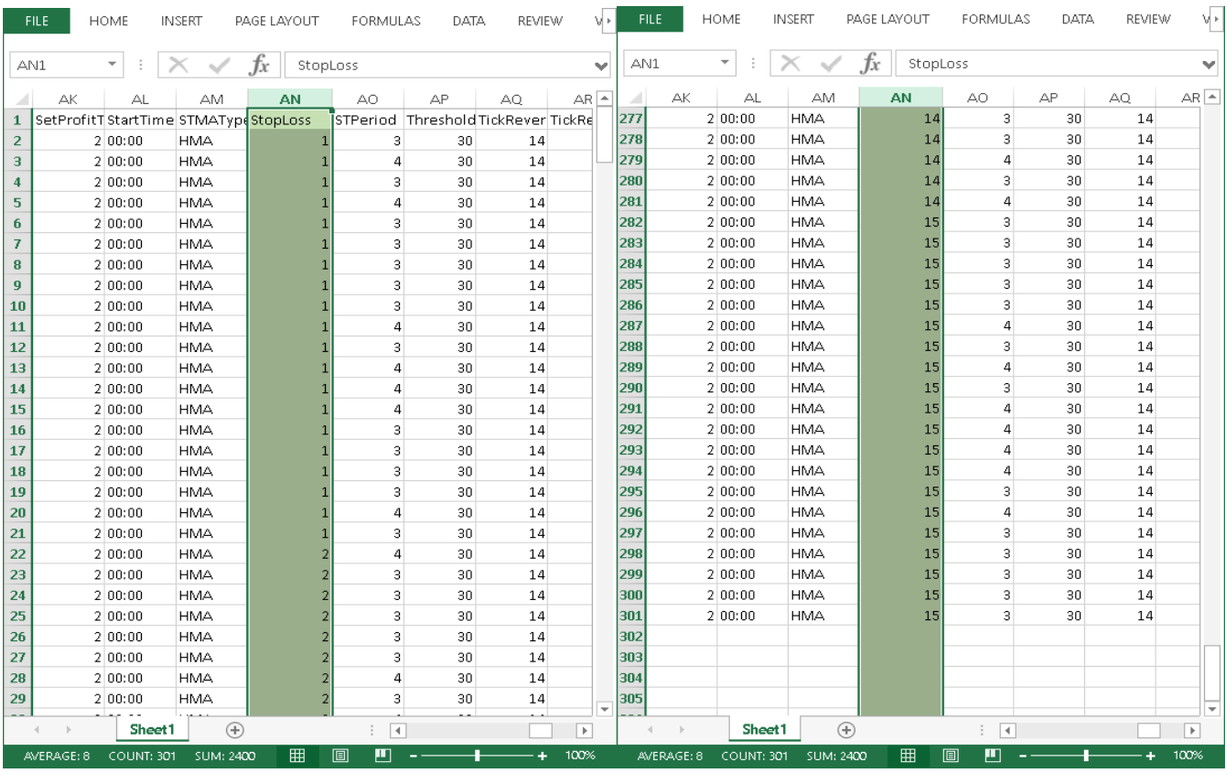




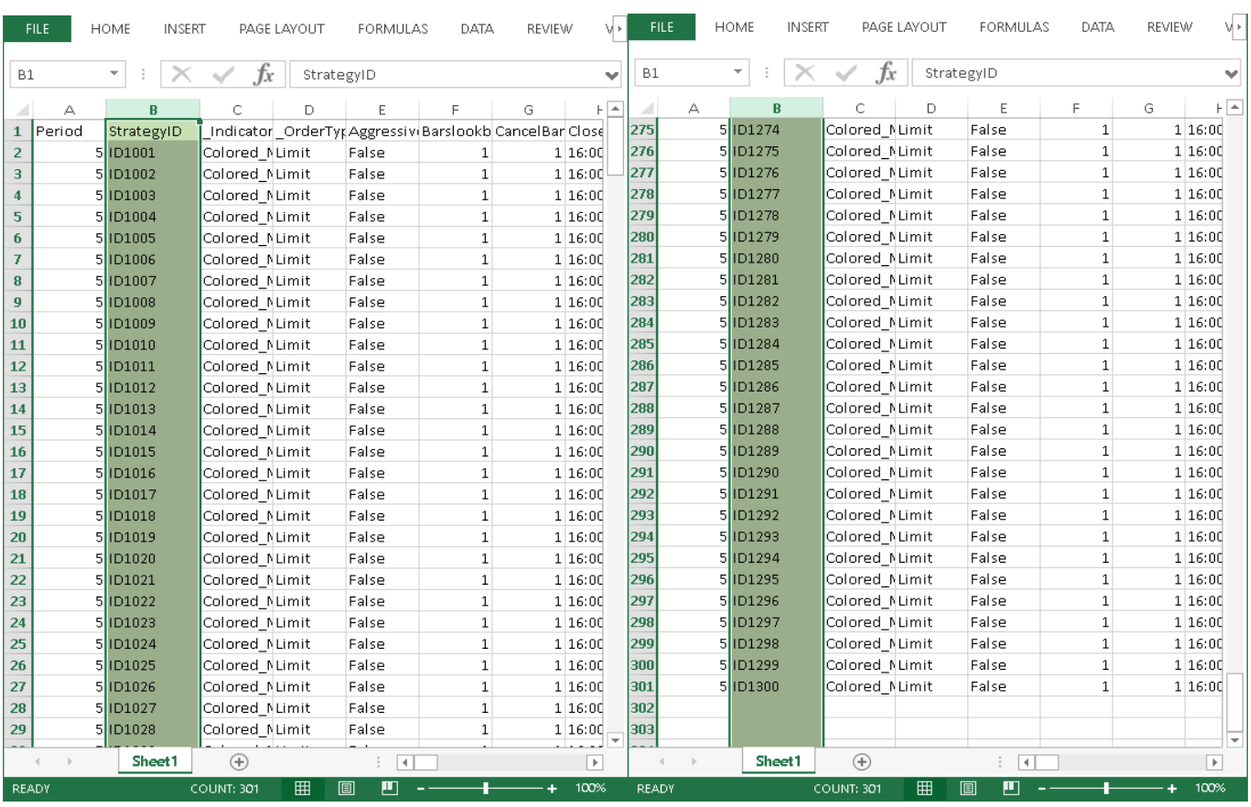
Results:

Based on 20 original records and generating 15 new strategies per record - total generation of 300 records with New Unique IDs.

StopLoss



New Unique IDs



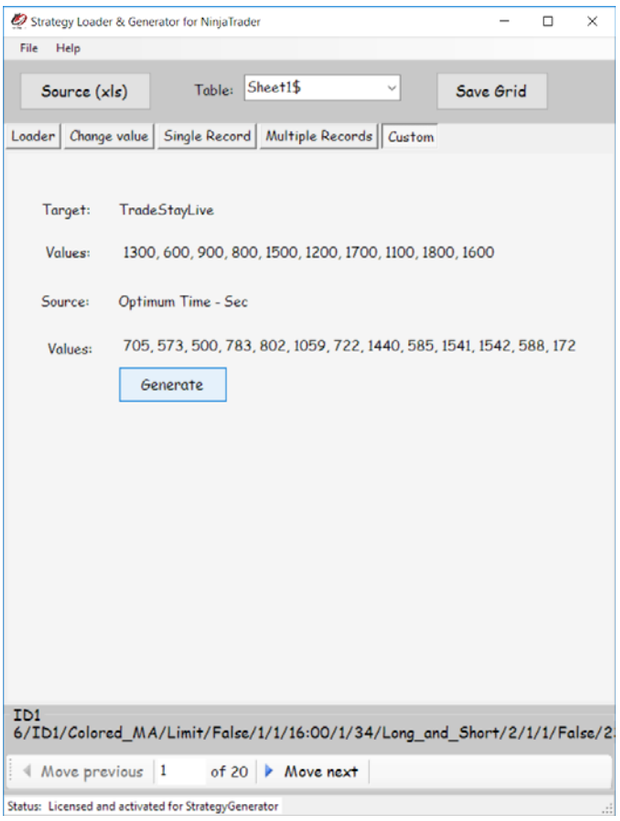
Tab. **Custom**

Original file is untouched. New output file is created.

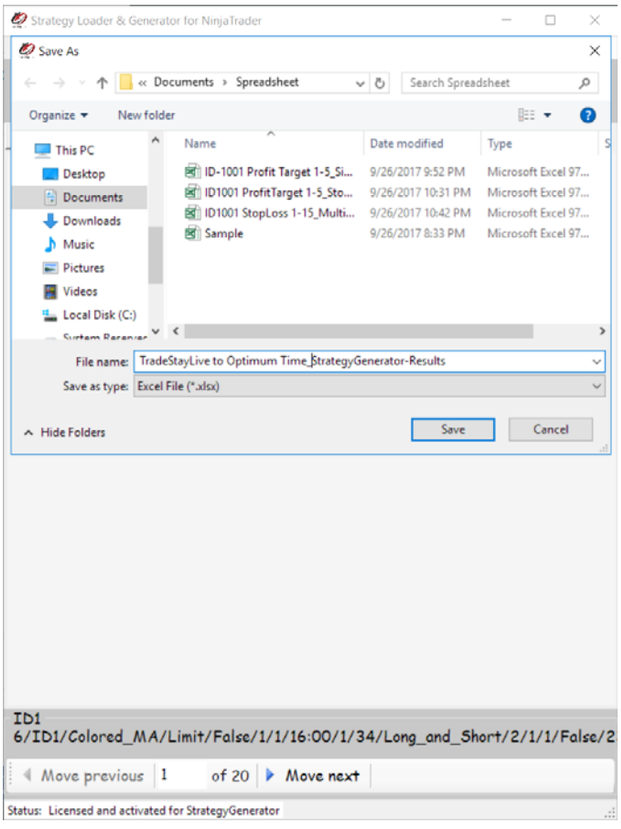
Take the value in Optimal Time in trade and insert it into Trade Stay Alive.

Ability to do all the records.

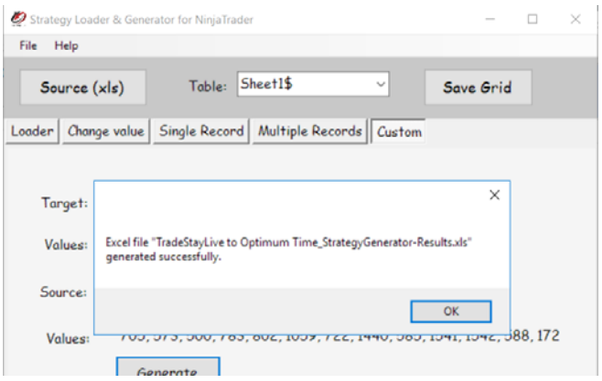
- Click Generate button…



- Choose where to save, and click Save to continue.

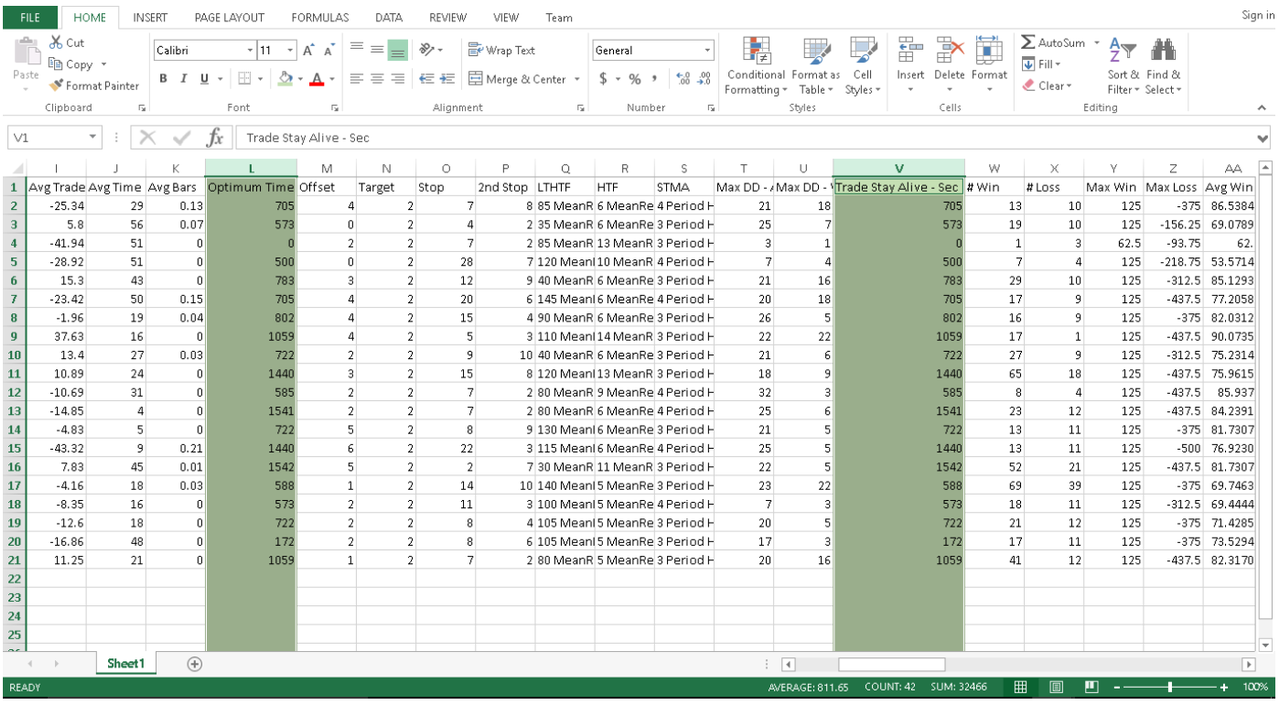


Ninja Strategy Tools
Strategy Loader & Generator
For NinjaTrader



Results:

Optimal Time in trade values is inserted into Trade Stay Alive.



	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	Avg Trade	Avg Time	Avg Bars	Optimum Time	Offset	Target	Stop	2nd Stop	LTHTF	HTF	STMA	Max DD - /	Max DD - '	Trade Stay Alive - Sec	# Win	# Loss	Max Win	Max Loss	Avg Win
2	-25.34	29	0.13	705	4	2	7	8	85 MeanR	6 MeanRe	4 Period H	21	18	705	13	10	125	-375	86.5384
3	5.8	56	0.07	573	0	2	4	2	35 MeanR	6 MeanRe	3 Period H	25	7	573	19	10	125	-156.25	69.0789
4	-41.94	51	0	0	2	2	7	2	85 MeanR	13 MeanR	3 Period H	3	1	0	1	3	62.5	-93.75	62.
5	-28.92	51	0	500	0	2	28	7	120 Mean	10 MeanR	4 Period H	7	4	500	7	4	125	-218.75	53.5714
6	15.3	43	0	783	3	2	12	9	40 MeanR	6 MeanRe	3 Period H	21	16	783	29	10	125	-312.5	85.1293
7	-23.42	50	0.15	705	4	2	20	6	145 Mean	6 MeanRe	4 Period H	20	18	705	17	9	125	-437.5	77.2058
8	-1.96	19	0.04	802	4	2	15	4	90 MeanR	6 MeanRe	3 Period H	26	5	802	16	9	125	-375	82.0312
9	37.63	16	0	1059	4	2	5	3	110 Mean	14 MeanR	3 Period H	22	22	1059	17	1	125	-437.5	90.0735
10	13.4	27	0.03	722	2	2	9	10	40 MeanR	6 MeanRe	3 Period H	21	6	722	27	9	125	-312.5	75.2314
11	10.89	24	0	1440	3	2	15	8	120 Mean	13 MeanR	3 Period H	18	9	1440	65	18	125	-437.5	75.9615
12	-10.69	31	0	585	2	2	7	2	80 MeanR	9 MeanRe	4 Period H	32	3	585	8	4	125	-437.5	85.937
13	-14.85	4	0	1541	2	2	7	2	80 MeanR	6 MeanRe	4 Period H	25	6	1541	23	12	125	-437.5	84.2391
14	-4.83	5	0	722	5	2	8	9	130 Mean	6 MeanRe	3 Period H	21	5	722	13	11	125	-375	81.7307
15	-43.32	9	0.21	1440	6	2	22	3	115 Mean	6 MeanRe	4 Period H	25	5	1440	13	11	125	-500	76.9230
16	7.83	45	0.01	1542	5	2	2	7	30 MeanR	11 MeanR	3 Period H	22	5	1542	52	21	125	-437.5	81.7307
17	-4.16	18	0.03	588	1	2	14	10	140 Mean	5 MeanRe	3 Period H	23	22	588	69	39	125	-375	69.7463
18	-8.35	16	0	573	2	2	11	3	100 Mean	5 MeanRe	4 Period H	7	3	573	18	11	125	-312.5	69.4444
19	-12.6	18	0	722	2	2	8	4	105 Mean	5 MeanRe	3 Period H	20	5	722	21	12	125	-375	71.4285
20	-16.86	48	0	172	2	2	8	6	105 Mean	5 MeanRe	3 Period H	17	3	172	17	11	125	-375	73.5294
21	11.25	21	0	1059	1	2	7	2	80 MeanR	5 MeanRe	3 Period H	20	16	1059	41	12	125	-437.5	82.3170
22																			
23																			
24																			
25																			