How to use my trading software
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This paper explains how an investor who wants to raise capital in his own accounts can use my trading software to organize a stable investment environment with his dedicated trading server.

1. First, any investor with available capital must build a risk and capital management strategy to manage the money and eventual losses to ensure stable profitability in the long term. This is something that no automated software can do. It is about how much to invest, how much to withdraw from the profit, when to withdraw, how many capital accounts to use, how many brokers, which brokers, how to set a global stop-loss, how to cover an eventual loss, how to organize the backup capital and how to restore it after a loss recovery. Even using automated trading software, losses can appear in the financial investment activity because of any unprecedented market behavior. Even the best automated trading software will deliver a loss trade sooner or later. A stable money management strategy is the core of any investment. For this purpose, the investors are invited to read and apply what the article Risk and capital management using Expert Advisors presents.

2. Once the investor has set his own investment plan and his particular risk and capital management strategy, he has already decided how much to invest, and the risk involved in his accounts. To ensure that the set risk is not overloaded, the investor must use a global stop-loss procedure for each of his brokerage accounts, especially when he uses more expert advisors in the same account. This is because the maximal drawdown we can read in a backtest report can be overloaded anytime without any notice by unpredicted market movements. Using more experts will multiply this unpredicted risk. The easiest way to protect the capital account is to set the utilitysoftware Stop Trading PRO bot in each account. It will close all positions and all working bots once the maximal risk allowed by the investor is met, protecting the rest of the capital. Also, the same utility software can make a profit fragmentation to increase capital efficiency.

3. Having an active capital amount and a risk strategy, the investor must decide how many automated trading software he will use to trade that capital. Some will say one software is enough if it is good software. But using only one software, the capital will stay for nothing long periods once only one software working on a single market can only cover a part of the time by the trading activity because of that market silent periods. In addition, if you want to use a 20% risk level for your investment, using only one trading software will presume that you will risk 20% of the capital in a single trade. In other words, after five consecutive losses, which is a realistic scenario, your capital will be finished. Then, we need to use more software on multiple markets with lower risk for each trade. How many? To answer this question, any investor can find 16 ready-to-use automated trading bots under my site. With a 2% risk level set for each one, an investor can build a 32% total risk on 24 markets. These expert advisors are included in any Private Trading Server or they can be provided as dependable software packages to be installed by every user under his trading platform. The bots are independent, designed, and optimized for a specific market and can be set with a particular risk level. The whole package is made in such a way as to cover almost all the time trading activity and to obtain the maximal profitability of the capital.

4. Installing the 16 expert advisors, each one in a capital account, is a solution, but it is not the best one. More attention and technical resources are needed to manage 16 different capital accounts. Moreover, remember that the minimum recommended capital for each account is 10000$, and substantial profitability is given by a capital higher than 100000$. For all these reasons, the 16 experts are designed to work in clusters. The investor can:

- set all Predictors with the default settings in the first capital account
- set all Retractors with the default settings in the second capital account
- set all Collectors with the default settings in the third capital account.
- set all Traders with the default settings in the fourth capital account.

In this way, only four capital accounts are needed. The risk level set for each expert must be according to the risk strategy set by the investor. For example, the classical 2% per trade maximal risk rule can build a stable and long-time profitable risk strategy. For the installation above, with four equal capital accounts, the individual risk for each expert can be 8% of the account capital, meaning a total of 32% risk for the whole investment. An explicative table is presented at the end. The “Protection” parameter can be set for each expert at 35% to protect the capital if the market moves unprecedentedly. This protection will block each bot from opening new positions if the capital exposure overload the specified percentage. The above installation setup will offer any investor trading the following 24 financial markets: Dow Jones Index (US30), NASDAQ Index (USTEC), FTSE Index (UK100), DAX Index (DE40), CAC Index (FR40), the spot price of gold XAUUSD, XAUEUR, XAUGBP, XAUCHF, XAUAUD, and the currency pairs EURUSD, GBPUSD, AUDCAD, AUDNZD, NZDCAD, GBPAUD, GBPCAD, USDCHF, EURCHF, GBPCHF, USDJPY, EURJPY, and GBPJPY.

5. Interesting results are obtained by more elaborated investment plans considering a fifth capital account in which all 16 expert advisors run together with the same 35% protection level. This case will give the investor good leverage from the more active markets. It is recommended NOT TO INSTALL expert advisors made by other authors in the same capital account with Predictors, Collectors, Retractors, or Traders!

6. Any expert advisor can be tested before live running using the Strategy Tested incorporated in the brokerage trading platform. Please note that past performance does not guarantee a profit. Even the backtests results are looking good anytime an unprecedented market move can generate one or more consecutive losing trades equal to or higher than the risk level set by the investor. For this reason, use a low-risk profile to keep the investment safe. Anyone can ask technical questions by email at cristian@pauna.pro.

Thank you!

Risk management example using 16 expert advisors installed in 4 equal capital accounts:

Risk plan for 4 capital accounts	with 4 expert advisors in each account				Individual risk set for each EA	Total risk in the current account	EA risk from the total capital	Account risk from the total capital
1st capital account	Dow Jones Predictor PRO	Gold Predictor PRO	Euro Predictor PRO	Pound Predictor PRO	8.00%	32.00%	2.00%	8.00%
2nd capital account	NASDAQ Retractor PRO	Dax Retractor PRO	FTSE Retractor PRO	CAC Retractor PRO	8.00%	32.00%	2.00%	8.00%
3rd capital account	Queen Collector PRO	King Collector PRO	Swiss Collector PRO	Sunrise Collector PRO	8.00%	32.00%	2.00%	8.00%
4th capital account	Dow Jones Trader PRO	Index Trader PRO	Swap Trader PRO	Gold Trader PRO	8.00%	32.00%	2.00%	8.00%
Total investment	with 4 equal accounts and 16 expert advisors				Total capital risk			32.00%

This is not rocket science!
For anyone who is asking:

Using 8 expert advisors with 2% risk level for each one, you will risk in total 16% of your whole capital.
If you are using 2 capital accounts, 4 EAs for each account, then you have to set 8% risk for each EA.
With this configuration, you load in each account 32% risk of the account capital. Is this your risk profile?

Using 10 expert advisors with 2% risk level for each one, you will risk in total 20% of your whole capital.
If you are using 2 capital accounts, 5 EAs for each account, then you have to set 10% risk for each EA.
With this configuration, you load in each account 50% risk of the account capital. Is this your risk profile?

Or more experts ...

Using 20 expert advisors with 2% risk level for each one, you will risk in total 40% of your whole capital.
If you are using 4 capital accounts, 5 EAs for each account, then you have to set 8% risk for each EA.
With this configuration, you load in each account 40% risk of the account capital. Is this your risk profile?

Using 25 expert advisors with 2% risk level for each one, you will risk in total 50% of your whole capital.
If you are using 5 capital accounts, 5 EAs for each account, then you have to set 10% risk for each EA.
With this configuration, you load in each account 50% risk of the account capital. Is this your risk profile?

Or even more experts and accounts ...

Using 30 expert advisors with 2% risk level for each one, you will risk in total 60% of your whole capital.
If you are using 6 capital accounts, 5 EAs for each account, then you have to set 10% risk for each EA.
With this configuration, you load in each account 50% risk of the account capital. Is this not too much?

Using 40 expert advisors with 2% risk level for each one, you will risk in total 80% of your whole capital.
If you are using 10 capital accounts, 4 EAs for each account, then you have to set 8% risk for each EA.
With this configuration, you load in each account 32% risk of the account capital. Is this not too much?

Using 50 expert advisors with 2% risk level for each one, you will risk in total 100% of your whole capital.
If you are using 10 capital accounts, 5 EAs for each account, then you have to set 10% risk for each EA.
With this configuration, you load in each account 50% risk of the account capital. Is this not too much?

Criteria to build a stable risk and capital strategy for any investment.
The following ideas have been collected from various books over time.

1. Never risk more than 2% in a trade (or a strategy, or using an expert advisor)
2. Risk as much as you can afford to lose (think at the loss effect not at the profit)
3. The perfect strategy will get you a negative trade sooner or later (this is so true!)
4. Think about what would happen when you get a negative trade (or more in a raw)
5. Work with multiple accounts
6. Work with multiple brokers
7. Think about what would happen with your investment when an account is totally lost
8. Think about what would happen with your investment if a broker suddenly disappear
9. 20 accounts are enough even for the largest investment (when using expert advisors)
10. 2 brokers can assure a stable risk strategy if you withdraw from profit (from time to time)
11. 5 brokers will permit you not to risk more than 20% of your capital (1 broker = 100% risk)
12. Work with multiple strategies
13. 10 strategies are enough for a single account (an expert advisor can be considered a strategy)
14. 20 strategies can be enough for a 20 accounts investment; the risk can be increased gradually
15. 50 strategies can be enough even for the largest investment (see the above risk distributions)
16. Work with multiple markets
17. 20 markets are enough even for the largest investment (more uncorrelated markets you can)
18. Withdraw half of the profit from time to time (just think: not everyday, but not one time per year)
19. Use half of the withdrawn profit to cover losses (or keep it as a passive capital for loss covering)
20. Small and repeated profit is better than a large loss (profit fragmentation is giving a good leverage)

Long-time investment plan example to cover possible losses over time using one capital account

Total investment	Active capital	Profit made	After the withdraw	Withdraw	Reserve capital
20.000	10.000	0	0	0	10.000
1	10.000	20.000	15.000	5.000	15.000
2	15.000	30.000	22.500	7.500	22.500
3	22.500	45.000	33.750	11.250	33.750
4	33.750	67.500	50.625	16.875	50.625
5	50.625	101.250	75.938	25.313	75.938
6	75.938	151.875	113.906	37.969	113.906
7	113.906	227.813	170.859	56.953	170.859
8	170.859	341.719	**256.289**	85.430	**256.289**
9	256.289	512.578	384.434	128.145	384.434
10	384.434	768.867	576.650	192.217	576.650
11	576.650	1.153.301	864.976	288.325	864.976
12	864.976	1.729.951	1.297.463	432.488	1.297.463
13	1.297.463	2.594.927	1.946.195	648.732	1.946.195
Final capital			1.946.195		1.946.195

Note:

This paper includes different suggestions and useful ideas to help an investor to build a realistic investment plan. Using automated trading software presumes the investor sets a specific risk level for the software in his account. The risk level set by the user means he will lose that money if the market evolves differently or unprecedentedly. For this reason, this paper's author recommend the usage of a low-risk profile (2%) for each expert advisor used. Any user will run trading software with his own technical resources, with his own data, and with his own risk level. The software's author is not responsible for the results and can not be held responsible for any eventual losses. This paper's author is not responsible for the risk plan made by a trader or investor starting from the above ideas. This paper's author can not be held responsible for any eventual losses produced starting from above content.