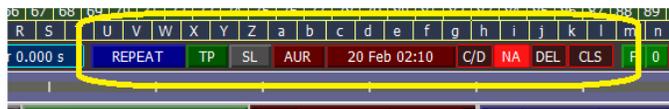


Contents

1- Dummy Number theory	7
2- D-Theory (Triplette concept)	7
3- Last n th decimal	7
4- Beginners to start immediately to see how the Expert works.....	8
5- Weekend Offline Pairs	10
6- Basic Buttons.....	10
1) Mouse-Clicks Buttons.....	10
2) Ready-Made-Dummy Numbers	12
7- Pair Selection	12
1) Display Pairs	12
2) Smiling Faces.....	12
3) Other Buttons	13
a) ADD box	13
b) RMV box.....	14
8- On-Line Order Concept	15
1) Offset Pips Concept (O).....	16
2) Difference Pips Concept (D)	16
3) Afraid/Bias modifiers (for O=D settings).....	18
a) Introduction	19
b) How to set factors?	20
c) Continue.....	20
d) Calculations.....	21
e) Order Comments.....	21
4) Order Types.....	22
a) BL = Buy Limit.....	22
b) SL = Stop Limit	22
c) BS = Buy Stop	22
d) SS = Sell Stop	23
5) ICAN Default Currency – Choose related orders base on Currency	24
6) Max TO and Max LL for all 4 order types	26
7) ITERATE button	26

8)	Expert Timer button.....	26
9)	Widening (W).....	27
a)	Deceleration (W = 1).....	27
a)	Acceleration (W = -1).....	28
2)	First Lot (FL).....	30
3)	Lot Increment (L) – based on FL.....	30
4)	Lot Limiter (LL).....	30
a)	Lot Limiter Button.....	30
5)	L1/L2/L3.....	31
6)	Total Orders (TO).....	31
7)	Ladder (LD).....	31
8)	Take Profit (TP).....	32
9)	Reset – SM1 – “Zeros”.....	32
10)	Halt Trading.....	32
9-	Dashboard Part 1- First 8 Dashboard Columns + GAP.....	33
1)	DB/DS.....	33
2)	MB/MS.....	34
3)	#B/#S.....	35
4)	LB/LS.....	36
a)	Accumulated Lots Formula.....	36
b)	Margin Call Pips.....	37
5)	Gap.....	37
10-	Dashboard Part 2 – Last 5 Columns – Average Prices/ Pips/ Net Lots.....	39
1)	Average Prices.....	39
2)	Average Pips.....	40
3)	Net/ Lots.....	40
11-	Lots and Spreads.....	41
1)	Maximum Lots.....	41
2)	UP/ Down Arrows.....	41
3)	Spread Limited (SL SPL).....	42
4)	Total Net Lots Box.....	44
5)	Current Pip Value -> Total Pip Value (TPV).....	44
12-	Lots Design Configurations (L1/L2/L3).....	45

1)	Unified lots (101) = (1,1,1,1,1, ..)	45
2)	Graded lots (111) = (1,2,3,4,5,6,7,....)	45
3)	Double lots (102) = (1,2,4,8,16,.....)	46
4)	1-2-1 lots (121) = (1,2,5,7,9,11,13,	46
5)	Custom lot configuration	46
a)	Proof of Concept – Graded Lots 111	47
b)	Proof of Concept – Double Lots 102	47
c)	Proof of Concept – Double Lots 121	48
6)	Other ways for Lot Increments	48
a)	3 ways to configure for no Lot Increments	48
13-	Order Comments	49
14-	Smart Order Concept	49
1)	Hidden Take Profit	50
2)	AUR - Repeat order	50
a)	Repeat Order Concept	50
b)	Repeat Order Comments	53
3)	AUR – One time order	54



a)	Scenarios	55
b)	Magic Number	55
15-	Dilation in Pips Concept	56
16-	Justice Setting	56
17-	Group Selection	56
1)	EXCEL settings	57
2)	PATH Settings	58
3)	CHart Settings	59
4)	8 Buttons for famous 8-currencies	60
5)	3 Buttons: 28, SEC and CUR	60
6)	“Non-28” Pairs	60

7)	OSC Button.....	61
8)	Non-applicable groups for MillionaireExpert.....	61
9)	USER Button.....	62
18-	How to use SavedSetting	63
19-	How to use UserSetting	65
20-	Equity-Alert Music System	70
21-	Instruments Daily Range	71
22-	Various Scripts: Close-Delete-Modify	71
23-	Smart TP/SL System	72
1)	% or DDD (Denominating or Account Base Currency)	72
2)	Lesson-02: TP and SL bases on Balance B or on Equity E ??	73
3)	TP and SL	73
4)	Editing TP and SL values.....	74
5)	Trailing Stop TS System	74
a)	TS Counter.....	75
b)	Trailing Stop Example.....	75
6)	Actions	76
7)	Lesson-07: GO button (Fireing TP/SL Process).....	76
8)	CLOSE-MODES (Optional)	77
24-	TP/SL Based Margin Level	77
1)	Some of user Trading Math-Restrains On Trading-1: Margin Level (ML).....	77
2)	Some of user Trading Math-Restrains On Trading-2: Margin/Equity %.....	79
3)	Some of user Trading Math-Restrains On Trading-2: Margin/Balance %	79
4)	Macd's Tips to manage Margin.....	80
5)	F – Free Margin > 3USD.....	80
25-	Small Scripts CP,DP,CD,DD,CDP,CDD	81
26-	RANDON Entries for the 6 types	82
27-	RANDON Entries for Market types only	83
28-	Reference Prices.....	83
1)	Set Reference on CURRENT Market (Ask/Bid) Prices.....	83
2)	Set Reference Prices on Bar - Future	84
3)	Set Reference Prices on Bar - CURRENT Bar	84
4)	Set Reference Prices on NEXT Bar.....	85

5)	Set Reference Prices on Previous bars - Vietnamese Box.....	85
a)	Coordination of Ref Timers (synchronization).....	89
6)	Set User Reference Price.....	89
29-	Trading Online with three modes:	90
1)	ONE-TIME mode.....	90
a.	Shown TP.....	90
b.	Hidden TP	90
2)	REPETION mode	90
a.	Shown TP--Non-Referencing.....	90
b.	REPETION mode--- Hidden TP--Non-Referencing	90
c.	REPETION mode--- Shown TP--AUTO-Referencing with 4 options	90
d.	REPETION mode--- Hidden TP--AUTO-Referencing with 4 options	90
3)	Ref Hour R and Repetition Mode.....	90
30-	Off-Line Orders.....	91
31-	Trading Hours Allowed.....	92
1)	How to set time for Expert trading	92
a)	Normal – Single period.....	93
b)	Double – 2 periods	94
c)	Whole Day trading (Default)	94
d)	Next Day trading (Overnight).....	94
e)	Reference Hour	95
f)	Close Hour	96
g)	Cancel Operation	96
h)	24-HOURS TRADING box.....	96
32-	Forex Basic Math Rules	97
33-	Mathematical Calculation Boxes.....	97
1)	P/L	97
2)	BSL - Buy-Sell Lots (Active-Fire).....	98
3)	ILP – Immediate NetLot and PipValue Calculations	98
4)	APP – Average Prices/ Pips	99
5)	GAP.....	100
34-	Error Related to Broker	100
1)	Oracheael Case – Error 131, 132, 133, 134, 136, 148.....	100

2)	Error Column.....	103
35-	Thread General Gifts.....	104
1)	EquityRecorder.....	104
2)	DPI detector Expert.....	104
3)	Spread Tracer Expert.....	104
4)	History Data Automatic download Expert.....	104
5)	Envelope 3-modes Indicator.....	106
6)	Symbol Leverage.....	106
36-	Thread Special Gifts for influential contributors.....	106
1)	Technical Analysis Expert.....	106
2)	DisplayClick Expert.....	106
37-	Risk Design Equations.....	106
1)	B-1: Basic Rules.....	108
a)	Margin example: M.....	108
b)	Leverage vs Margin.....	110
4)	B-2: Lots Rule.....	112
5)	B-3: Inverse Pips (I)/ Profit Pips (IP) Rules.....	112
6)	B-4: Other Rules.....	113
7)	Other Risk Related Posts.....	114
38-	Risk Sensor (Ruler).....	115
1)	Updated Version – TPV + Ruler.....	115
2)	Older Version – Ruler.....	117
3)	Older Version - TPV (Total Pip Value -> Risk Sensor).....	118

1- Dummy Number theory

Read First: The number of buttons of this expert could expand from 527 buttons (no single pair on dashboard) to 2175 buttons (42 pairs on dashboard). These buttons are classified as: 1) Passive buttons, 2) Active-Save buttons, and 3) Active-Fire buttons.

D-Theory

I coined new forex word "tripette" to ease trading different instruments with great disparity prices

-----1- When EURUSD moves from 1.22345 to 1.122346, we say it moves by 1 pipette

-----2- When EURUSD moves from 1.22345 to 1.122355, we say it moves by 1 pip (ignore last digit)

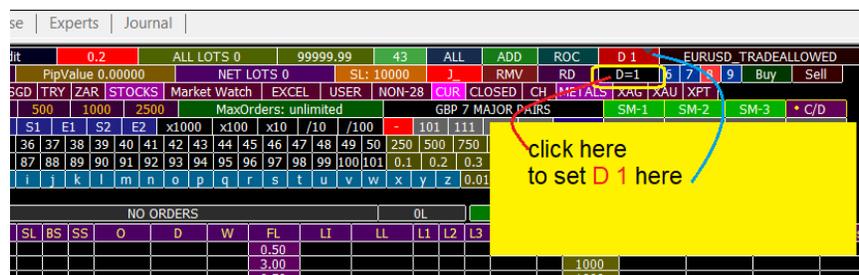
-----3- When USDNOK moves from 8.12345 to 8.12445, we say it moves by 1 tripette (ignore last two digits)

-----4- When DowJonz30 moves from 29123.45 to 29124.45, we say it moves by 1 tripette (ignore last two digits)

-----5- When Gold XAUUSD moves from 1823.45 to 1824.45, we say it moves by 1 tripette (ignore last two digits)

and this expert is designed on all three choices-- you can choose pipette mode, pip mode or tripette mode.

2- D-Theory (Tripette concept)



D=1 Button "CONVERT TO **PIPETTE**" box, Box in red will change to D1 immediately according to my D-Theory, D=1 ==> Pipettes

to clarify more:

assume **unhomogenous** pairs prices, for example: eurUSD and ger30

EURUSD: 1.223**45** --

ger30: 1312**3**.45 --

if your O=5 pips

EURUSD: 1.223**45** -- to -- 1.223**95** -- pip pair (we ignore 1 digit--last digit)

3- Last nth decimal



for EURUSD nth=5th (1.1834**5**)

for US30Roll nth=2nd (only 2 digits after decimal point 29543.**21**)

if EURUSD price now is 1.18345 and O=D=10 pips

do you want to include 5th digit or make it zero?

example for sell 1st order should be at $1.18345 + 10 \text{ pips} = 1.18445$
your desire is 1.18440 or 1.18445 ? (zeros last digit which is fractional pip)

you can decide using some expert icons

if you select "0", the first 3 sell orders will be:

1.18345

1.18445

1.18545

1.18645

if you select "1", the first 3 sell orders will be: = (delete 1 digit from the right)

1.18345

1.18440

1.18540

1.18640

if you select "2", the first 3 sell orders will be: = (delete 2 digit from the right)

1.18345

1.18400

1.18500

1.18600

many people like integer-like numbers!!

any how it depends on you, it is a trivial matter!

4- Beginners to start immediately to see how the Expert works

0- Apply expert to chart

1- click on sparam box to be RED----if RED do not click

2- click on MY box

3- click on "Orange 1"

4- click on Reference box

5-click on Pairs box

The expert will start to work on 28 pairs opening position on any pairs drop or jump by 1 pips

use mouse only, do not try to understand, just observe as a an expert-bigger

this answer may shorten your road.

511335902: EquitiGroup-Demo - Demo Account - [NZDUSD,Weekly]

File View Insert Charts Tools Window Help

New Order AutoTrading

make sure first this is Auto before attaching expert to chart

Balance: 718.43 USD Profit/Loss: -130.00 Equity: 588.45 Margin: 618.38 Free margin: -29.95 Margin level: 95.16%

ZDUSD_Weekly ForexPictor.com/Macros 783 sec EquitiGroup-Demo Edit 10000 OPEN LOTS: 2.89 99999.99 43 ALL ADD RDC D 100 PASS

Millionaire Expert (Mudarra) 02:20:05 01:30:04 4 Terminal PipValue 0.76862 NET LOTS 2.15 SL: 10000 J RMV RD D=1 6 17 0

28 DPI=120

24 HOUR TRADING

NO ORDERS

NO ORDERS

0 Apply expert to chart
 1- click on sparam box to be RED----if RED do not click
 2- click on MY box
 3- click on "Orange 1"
 4- click on Reference box
 5- click on Pairs box

PAIRS	BD	SPQ	ASK	BL	SL	SS	O	W	PL	LI	LL	L1	L2	L3	TO	LD	TP	Reference B/S Price
EURUSD	1.16523	1.2	1.18540	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.1727
GBPUSD	1.26674	2.9	1.22703	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.2272
USDJPY	0.69221	2.2	0.69740	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	0.69222
USDCHF	1.29724	2.5	1.29792	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.29775
EURCHF	0.91123	2.9	0.91158	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	0.91123
EURGBP	1.03807	1.6	1.03885	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.03808
EURAUD	0.69316	2.7	0.69343	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	0.69316
EURCAD	1.62268	2.9	1.62220	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.62289
GBPUSD	1.81627	5.5	1.81692	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.81683
AUDCHF	0.95316	3.2	0.95348	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	0.95318
AUDCHF	0.66563	3.0	0.66593	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	0.66593
EURUSD	1.23079	2.5	1.23055	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.23023
GBPUSD	1.37402	3.2	1.37424	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	1.37424
NZDUSD	0.95927	4.0	0.95957	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	0.95955
NZDCHF	0.63077	5.3	0.63120	1.0	1.0	1.0	1.0	1.0	0.01	0.01	9999.00	1	1	1	20	5	100.0	0.63120

then after 37 minutes, when you are watching "expert is executing orders", go to my first post then second post and so on in series. do not jump please

5- Weekend Offline Pairs

ForexFactory.com/Macdo... 2

Millionaire Expert(Mudarraaj) 1

Pair	ASK	B	SPD	S
1 AUDCAD	0.97806	17.9	0.0	0.0
2 AUDCHF	0.67727	13.3	0.0	0.0
3 AUDJPY	78.797	14.9	7.0	7.0
4 AUDNZD	1.07089	24.5	1.0	1.0
5 AUDUSD	0.76011	10.0	0.0	0.0
6 CADCHF	0.69337	15.8	0.0	0.0
7 CADJPY	80.649	12.6	8.0	8.0
8 CHFJPY	116.477	26.2	11.0	11.0
9 EURAUD	1.60550	10.8	1.0	1.0
10 EURCAD	1.56790	13.1	1.0	1.0
11 EURCHF	1.08637	20.7	1.0	1.0
12 EURGBP	0.89938	14.2	0.0	0.0
13 EURJPY	126.335	9.2	12.0	12.0
14 EURNZD	1.71754	53.0	1.0	1.0
15 EURUSD	1.21873	9.9	1.0	1.0
16 GBPAUD	1.78875	29.5	1.0	1.0
17 GBPCAD	1.74714	17.2	1.0	1.0
18 GBPCHF	1.21062	23.0	1.0	1.0
19 GBPJPY	140.799	16.6	14.0	14.0
20 GBPNZD	1.91415	30.3	1.0	1.0
21 GBPUSD	1.35757	4.7	1.0	1.0
22 NZDCAD	0.91635	39.9	0.0	0.0
23 NZDCHF	0.63335	19.0	0.0	0.0
24 NZDJPY	73.605	12.4	7.0	7.0
25 NZDUSD	0.71009	10.7	0.0	0.0
26 USDCAD	1.28696	6.1	1.0	1.0
27 USDCHF	0.89169	15.0	0.0	0.0
28 USDJPY	103.704	6.6	10.0	10.0

6- Basic Buttons

1) Mouse-Clicks Buttons

Why?: this button is designed mainly for "Active-Fire" elements. To prevent your kids intervention if you are outside, or any other reason like false or un-intentional clicks. imagine after finishing your setting, and OnLineTrading starts! then you click on "Orange 25" button, which definitely will **damage** all your previous setting. it is a step equivalent to attaching expert now to the chart. if it is **RED**: "Lock-status" , you can not change status or values of any fire button. do not expect any

reaction at all.

if it is **GREEN**: "Clicks-Status" , you can click on any fire button.

Feature: it has a **timer** showing when next "Lock" will happen. total time is 900 sec (15 min)

it decrements(decreases) to **0** sec then "Lock-status" takes place, and timer disappear

if you see value for example 19 sec, and you want more time, just click on lock-timer button. it will set timer at max, at 900 sec.

How to make it Green if it is not? one of the best behaviors here is "Easy to construct, difficult to deconstruct":

--1-- you can easliy lock clicks. just click on MOUSE-CLICKS once.

--2-- but you can not remove lock easily. it is doen through 3 steps:

-----2-1: click on "PASS"---becomes RED

-----2-2: then click on "WORD"---- Becomes Red

-----3-2: then click on "MOUSE-CLICKS"----Becomes Green

--3-- what prevent clicks on all buttons is the BLACK-OUT button.

Repeated Lesson: Mouse Clicks Button

Why?: this button designed mainly for "Active-Fire" elements. To prevent your kids intervention if you are o imagine after finishing your setting, and OnLineTrading starts! then you click on "**Orange 25**" button, which equivalent to attaching expert now to the chart.

if it is **RED**: "Lock-status" , you can not change status or values of any fire button. do not expect any reacti
if it is **GREEN**: "Clicks-Status" , you can click on any fire button.

Feature: it has a **timer** showing when next "Lock" will happen. total time is 900 sec (15 min)
it decrement(decrease) to 0 sec then "Lock-status" takes place
if you see value for example 19 sec, and you want more time, just click on lock-timer button. it will set timer

How to make it Green if it is not? one of the best behaviors here is "Easy to construct, difficult to decons
--1-- you can easliy lock clicks. just click on MOUSE-CLICKS once.
--2-- but you can not remove lock easily. it is doen through 3 steps:
-----2-1: click on "PASS"---becomes RED
-----2-2: then click on "WORD"---- Becomes Red
-----3-2: then click on "MOUSE-CLICKS"----Becomes Green

some hints:

- 1- one of good things here: when under "Lock-Status" -- and you click on any fire button, *its sparan name* w
- 2- ForexFactory.com/Macd-rsi bar will be RED also under Lock-status.

Some hints:

1- One of good things here: when under "Lock-Status" -- and you click on any fire button, *its sparan name* will be shown in sparan bar.

2- ForexFactory.com/Macd-rsi bar will be RED also under RED-status.

3- The timer button will disappear under RED-status. No need for that button.

2) Ready-Made-Dummy Numbers

Goal: to make your live easy. dummy number is a revolutionary theory in expene o tarditiona way od setting any expert external variables.

0- all of them are **Active-Save**

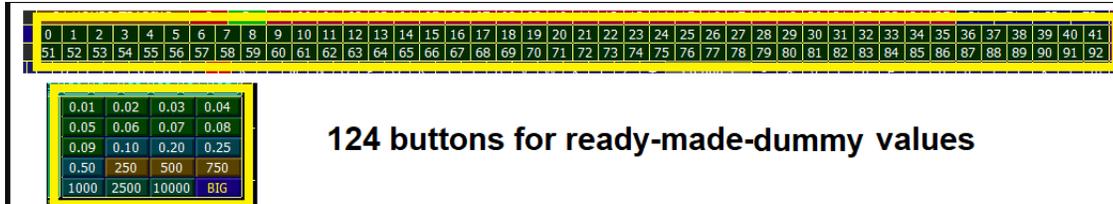
1- it incudes numbers from "1" to "101", quick way to select O, D, TP, TO, LL values

2- "0" button consider it the counterpart of "BIG" button

3- BIG is the big number that you may need it some times. For example you want to set lower equity in echo-Skat system at current equity. just choose BIG number.

4- values that may suite more lots selection like "0.01" , "0.2" etc

5- values that may be used to make some paramterS as if it is at enfinity, for exaple "750" for "TO"



7- Pair Selection

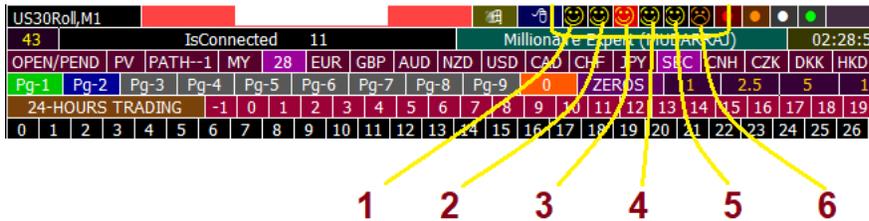
1) Display Pairs

#Post 2 to #Post 33

#Post 214 to #Post 220

2) Smiling Faces

#Post 222 to #Post 233



1- is **expert** is enabled

2- is **autotrading** is allowed

3- is **internet** is connected + alert sound

4- is dynamic link libraries **DLL** allowed + music sound

5- is Library allowed + no sound

6- is you account **demo or live**

3) Other Buttons

a) ADD box

The screenshot shows a trading platform interface with a toolbar at the top and a main window displaying a table of currency pairs. The toolbar includes buttons for home, back, forward, and other navigation functions. The main window displays a table with columns for currency pairs, bid, spread, ask, and other trading parameters. A yellow arrow points to the 'ADD' button in the toolbar, and a yellow circle highlights the 'ADD' button in the table.

L/USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	TP	Refer
1	EURUSD	1.18074	1.6	1.18090														
2	GBPUSD	1.32493	2.6	1.32519														
3	AUDUSD	0.72777	1.7	0.72794														
4	NZDUSD	0.68239	2.3	0.68262														
5	USDCAD	1.30364	2.4	1.30388														
6	USDFX	0.91546	2.2	0.91568														
7	USDJPY	105.287	1.6	105.303														
8	EURGBP	0.89105	2.2	0.89127														
9	EURAUD	1.62218	2.8	1.62246														
10	GBPAUD	1.82025	5.3	1.82078														
11	AUDCAD	0.94883	2.1	0.94904														

ADD box--to [activate](#) specific currency pairs

[Quoting zorafx](#)

Hi Mohammed I trade only London session and next week I'd like to use just EUR and GBP pairs. About EUR pairs I click on EUR but if I click again on GBP there is not adding GBP pairs. Any idea ?

I explain in detail [two days ago](#) the following "**ADD**" box

- 1- select **28**-pairs
- 2-de-activate **SPARAM**
- 3-click on **GBP**
- 4-click **ADD**
- 5-click **EUR**
- 6-click **ADD**

You should see something like this:

The screenshot shows a trading platform interface with a list of currency pairs. A yellow arrow points to the 'RMV' button in the top right corner of the list. The list includes pairs like EURUSD, GBPUSD, AUDUSD, NZDUSD, USDCAD, USDCHF, USDJPY, EURGBP, EURAUD, EURCHF, EURJPY, GBPJPY, NZDCAD, NZDCHF, EURCAD, GBPCAD, AUDNZD, CADCHF, EURCHF, GBPCHF, NZDJPY, CADJPY, CHFJPY, EURNZD, and GBPNZD. Each pair has columns for Bid, Ask, and various order types (O, D, W, FL, LI, LL, L1, L2).

b) RMV box

RMV box--to **cancel** or **deactivate** specific currency pairs(for example you never trade **CHF** pairs due to low leverage)

The screenshot shows the trading platform interface with a text box overlaid on the left side. The text box contains the following steps:

- 1- Sparam is **RED**
- 2- Click on **"MY"** or **"28"** -- almost they are similar!
- 3- Select your setting--let us say **"Orange 25"** box
- 4- Click on **PAIRS** box--now all 28 pairs are activated
- 5- Canel sparam--**Black** sparam---very important
- 4- Click on **CHF** box (CHF pairs box Colors will be **Blue**)
- 5- Then click on **RMV** box) = ReMoVe = Remove

YOU will see an immediate effect -- All CHF pairs are deac

steps on how to de-activate specific currency pairs

Steps: read carefully please (we want to **CANCEL** trading on **CHF** pairs) and allow for remaining 28 pairs.

- 1- Sparam is **RED**
- 2- Click on **"MY"** or **"28"** -- almost they are similar!
- 3- Select your setting--let us say **"Orange 25"** box
- 4- Click on **PAIRS** box--now all 28 pairs are activated
- 3- Canel sparam--**Black** sparam---very important

- 4- Click on **CHF** box (CHF pairs box Colors will be Blue)
- 5- Then click on **RMV** box- = **ReMoVe** = Remove

YOU will see an immediate effect -- **All CHF pairs are deactivated.**

The screenshot shows a trading platform interface with a list of currency pairs. The columns include Bid, Ask, and various order types. The CHF pairs are highlighted in blue, indicating they are deactivated. The interface also shows a top navigation bar with various menu options and a status bar at the bottom.

ADD box--to activate specific currency pairs

follow the same procedures for RMV box, assuming all 28 pairs not activated, when you choose to activate only EUR pairs, simply click EUR, == EUR PAIRS will be blue, then click ADD box

do not forget to cancel SPARAM first

if not, when you click on EUR, it will change group elements!! **unwelcomed situation!** as explained in first 30 posts!

we select currency therefore: chosen currency pairs boxes will be **BLUE**

8- On-Line Order Concept

Dashbord main 3 components

The screenshot shows a trading dashboard with three main components: very-important output columns, input columns, and un-important output columns. The very-important output columns include columns for Bid, Ask, and various order types. The input columns include columns for Bid, Ask, and various order types. The un-important output columns include columns for P/L, average prices, and gaps.

As a newbie, the first thing to recognize is that "dashboard is composed of 3 parts"

- 1- **Input** part: above 20 columns -- in the middle
- 2- **very important output** part (the core of this expert) - in the left side. Math calculation to take entry decisions
- 3- **unimportant output** part which shows P/L, average prices and gaps-- to the right side (6 columns) -- calculations after entry!

Using the EA to place orders based on the following O/D concept

I clicked here on 25

then the default values of "25-setting " are shown on dashboard

BL and SL are activated

pairs not activated--for safe operation

O=D=25 pips

TakeProfit= 100 pips

#of orders = 20

Ladder = 5

L1L2L3 = 111

FirstLot = 0.01 lot

increment Lots = 0.01 lot

W= 0 pips (no Widening)

1) Offset Pips Concept (O)

O = 25 **pips** means the **first hidden pending order** will be executed if price goes against your **Reference B/S Price** by 25 pips
 O: for the first order--it is clear!!

2) Difference Pips Concept (D)

D: for the second order and above, (2nd, 3rd, 4th etc.... orders)
 if O=25 **pips** and D=25 **pips** then:
 2nd order will be executed after 50 **pips**, (25+25)
 3rd order will be executed after 75 **pips**, (25+25+25)
 and so on

imagine O=25 pips and D=31 pips. then:

- 1st order after 25 pips.
- 2nd order after 56 pips. (25+31)
- 3rd order after 87 pips. (25+31+31)
- 4th order after 118 pips. (25+31+31+31)

and so on.

1st order after 25 pips.

CE PRICES ON BAR		19	3.34	SPL: 10000	0.01	UKOILRoll F_SL014.							
		Day	999.99%	24H	D	304965.62							
B/S Price	#	Pairs	d	ASK	n	SPD	n	BID	BL	SL	BS	SS	O
24.049	1	SIH1		24.233	▲	1.8	▲	24.215					1.0
30062.80	2	US30Rol		29978.40	▲	1.80	▲	29976.60					1.00
12341.88	3	UT100Roll		12393.50	▲	1.00	▲	12392.50					1.00
13338.50	4	DE30Rol		13301.75	▲	1.00	▲	13300.75					1.00
26650.50	5	JP225Rol		26705.50	▼	10.00	▼	26695.50					1.00
26284.50	6	HK50Rol		26428.50	▼	8.00	▼	26420.50					1.00
6700.80	7	AUS200Rol		6670.90	▲	4.80	▲	6666.10					1.00
5552.80	8	FRA40Rol		5553.85	▲	1.20	▲	5552.65					1.00
8208.50	9	ESP35Rol		8195.00	▲	6.00	▲	8189.00					1.00
3530.15	10	EU50Rol		3523.45	▲	0.90	▲	3522.55					1.00
16644.57	11	CHINA50Ro		16752.97	▲	8.40	▲	16744.57					1.00
1838.92	12	XAUUSD		1839.79	▲	0.44	▲	1839.35					1.00
45.770	13	USOILRoll		47.508	▼	2.9	▼	47.479					1.0
49.008	14	UKOILRoll		50.659	▼	2.9	▼	50.630					1.0
0.74368	15	AUDUSD		0.75136	▼	1.5	▼	0.75121					1.0
0.70166	16	NZDUSD		0.7073	▼								1.0
1.28079	17	USDCAD		1.2717	▼								1.0
104.179	18	USDJPY		104.35	▼								1.0
1.20788	19	EURUSD		1.2122	▼								1.0
1.62152	20	EURAUD		1.6136	▼								1.0
1.71827	21	EURNZD		1.7142	▼								1.0
1.54782	22	EURCAD		1.5416	▼								1.0
125.810	23	EURJPY		126.49	▼								1.0
0.90094	24	EURGBP		0.9127	▼								1.0
1.33874	25	GBPUSD		1.3283	▼								1.0
1.79799	26	GBPAUD		1.76815	▼	5.6	▼	1.76759					1.0

BL=Green
 SL = Red
 BS=Aqua
 SS=Orange

Three semi-Green colors for BUY (GREEN-AQUA-BLUE)
 Three semi-Red colors for SELL (RED-ORANGE-PINK)

if BL reach max # of TO --- box #B will be **Green**
 if BS reach max # of TO --- box #B will be **Aqua**
 if both BL and BS reach max limits of TO (double of TO) box #B will be **Blue**
 the result will be reflected also on **TO** column cells--identical

if SL reach max # of TO --- box #S will be **Red**
 if SS reach max # of TO --- box #S will be **Orange**
 if both SL and SS reach max limits of TO (double of TO) box #S will be **Pink**
 the result will be reflected also on **LD** column cells--identical

as shown on picture:
 look at 14 (7 BLs + 7 BSs) --- TO = 7 below:

And for LotLimiter, any pair reach LotLimiter for any type teh same coloring system:

columns LB (BUY) or LS, (SELL)
 plus
 columns of LI (BUY) and LL (SELL)

their BgColor will react according to 4 types color

Three semi-Green colors for BUY (GREEN-AQUA-BLUE)

Three semi-Red colors for SELL (RED-ORANGE-PINK)

if BL reach max LL --- box **LB** will be **Green**

if BS reach max LL --- box **LB** will be **Aqua**

if both BL and BS reach max limits of LL (double of LL) box **LB** will be **Blue**

the result will be reflected also on **LI** column cells--identical

if SL reach max LL --- box **LS** will be **Red**

if SS reach max LL --- box **LS** will be **Orange**

if both SL and SS reach max limits of LL(double of LL) box **LS** will be **Pink**

the result will be reflected also on **LL** column cells--identical

NO NEED FOR PICTURE

3) Afraid/Bias modifiers (for O=D settings)

#Post 2867

To explain: you choose aEURUSD BuyLimit and SellLimit with O=D=50.

if your are **afraid** from SELL-LIMIT direction. multiply 50 for SL by afraid factor--let usd say **afraidFactor**=1.4

then O for SL is $50 * 1.4 = 70$ pips,

while remain 50 for Buy

if your **baised** to SL, we are here not **afraid**, e are a **brave!** so **baisFactor** may be 0.8

$0.80 * 50 = 40$ pips

now situation is: you are not afraid, not baised---normal factor = 1.00----- 50 pips is 50 pips (except in case of justice setting)

normal = 1.00

afraid > 1.00

biase < 1.00

if anybody notice two colmns sourounding spread columns?? **will have 3 tasks.**

reference B/S Price	#	Pairs	d	ASK	n	SPD	n	BID	BL	SL	BS	SS	O	D	W
	1	SIH1		25.997	1.8			25.979					999.0	999.0	
	2	US30Roi		30370.90	5.80			30365.10					999.00	999.00	
	3	UT100Roi		12750.36	3.00			12747.38					999.00	999.00	
	4	DF30Roi		13647.90	8.00			13639.90					999.00	999.00	
	5	JP225Roi		26922.50	10.00			26912.50					999.00	999.00	
	6	HK50Roi		26463.50	8.00			26455.50					999.00	999.00	
	7	AUS200Roi		6682.40	4.80			6677.60					999.00	999.00	
	8	FRA40Roi		5514.05	5.20			5508.85					999.00	999.00	
	9	ESP35Roi		8034.00	6.00			8028.00					999.00	999.00	
	10	EU50Roi		3546.95	0.90			3546.05					999.00	999.00	
	11	CHINA50Roi		16902.16	9.00			16893.16					999.00	999.00	
	12	XAUUSD		1881.57	0.61			1880.96					999.00	999.00	
	13	USOILRoi		49.254	3.2			49.222					999.0	999.0	
	14	UKOILRoi		52.312	3.6			52.276					999.0	999.0	
	15	AUDUSD		0.76234	2.1			0.76213					999.0	999.0	
	16	NZDUSD		0.71428	5.4			0.71374					999.0	999.0	
	17	USDCAD		1.27845	3.7			1.27808					999.0	999.0	
	18	USDJPY		103.350	4.8			103.302					999.0	999.0	
	19	EURUSD		1.22574	3.2			1.22542					999.0	999.0	

#Post 3019

Afraid/Bias modifiers: to **modify** O or D from raw values.

it is somewhat similar to standard deviation from the mean "raw" value

He said: it is not logical to make O, D of Buys the same as O,D of Sells? Common sense judges!

how to differentiate b/w them while we have only one column for O and 1 column for D ??

SOLUTIONS:

1- we already mentioned you can **repeat** the pair on the dashboard.

2- now you can use Normal/Afraid/Bias setting

#	Pairs	d	ASK	x	SPD	x	BID	BL	SL	BS	SS	O	D
1	EURUSD		1.21943		1.4		1.21929					10.0	10.0
2	GBPUSD		1.34287		2.5		1.34263					10.0	10.0
3	AUDUSD		0.75688		1.8		0.75670					10.0	10.0
4	NZDUSD		0.76852		2.2		0.76830					10.0	10.0
5	USDCAD		1.28732		2.3							10.0	10.0
6	USDCHE		0.88941		2.2							10.0	10.0
7	USDJPY		103.438		1.6							10.0	10.0
8	EURGBP		0.90826		2.6							10.0	10.0
9	EURAUD		1.61140		3.0							10.0	10.0
10	GBPAUD		1.77455		5.7							10.0	10.0
11	AUDCAD		0.97416		2.5							10.0	10.0
12	AUDCHF		0.67314		2.9							10.0	10.0
13	EURJPY		126.129		2.2							10.0	10.0
14	GBPJPY		138.895		3.2							10.0	10.0
15	NZDCAD		0.91194		3.5							10.0	10.0
16	NZDCHF		0.63022		3.1							10.0	10.0
17	EURCAD		1.56965		4.5							10.0	10.0
18	GBPCAD		1.72845		5.0							10.0	10.0
19	AUDNZD		1.06844		2.9		1.06815					10.0	10.0

Active-Fire
GREEN : AFRAID
RED : BIAS
NONE : NORMAL

O: 76
D: 76

$10 * 0.764 = 7.6 \text{ pips} = 76 \text{ pipette}$

D 100	AFRAID_FACTOR	1.236
D=1	BIAS_FACTOR	0.764

in picture even though your O=D=10 for all pairs, but some of direction O and D may be 1t 13.2 pip or 7.6 pip---not your O=D=10

dashbord will show **raw** value 10, but in **runtime**, there is a different story.

a) Introduction

1- you have two x columns

--1-1: left for buy O, D modification

--1-2: right for sell O, D modification

2- keep click on each pair corresponding x cell, to change status:

--2-1: Red: Bias (lower O or D ---> less save---> so I select red)

--2-2: Green: Afraid (bigger O or D ---> more save---> so I select green)

#	Pairs	ASK	x	SPD	x	BID	BL	SL	BS	SS	O	D
1	EURUSD	1.2194	1.4		1.4	1.21929					10.0	10.0
2	GBPUSD	1.3428	2.5		2.5	1.34262					10.0	10.0
3	AUDUSD	0.7568	1.8		1.8	0.75670					10.0	10.0
4	NZDUSD	0.7085	2.2		2.2	0.70830					10.0	10.0
5	USDCAD	1.2873	2.3		2.3						10.0	10.0
6	USDCHF	0.8894	2.7		2.7						10.0	10.0
7	USDJPY	103.43	1.6		1.6						10.0	10.0
8	EURGBP	0.9082	2.6		2.6						10.0	10.0
9	EURAUD	1.6114	3.0		3.0						10.0	10.0
10	GBPAUD	1.7745	5.7		5.7						10.0	10.0
11	AUDCAD	0.9741	2.5		2.5						10.0	10.0
12	AUDCHF	0.6731	2.9		2.9						10.0	10.0
13	EURJPY	126.129	2.2		2.2						10.0	10.0
14	GBPJPY	138.895	3.2		3.2						10.0	10.0
15	NZDCAD	0.91194	3.5		3.5						10.0	10.0
16	NZDCHF	0.63022	5.1		5.1						10.0	10.0
17	EURCAD	1.56965	4.5		4.5						10.0	10.0
18	GBPCAD	1.72845	5.0		5.0						10.0	10.0
19	AUDNZD	1.06844	2.9		2.9	1.06815					10.0	10.0

RED: $O \text{ or } D = \text{raw} * \text{BiasFactor} < 10$

Green: $O \text{ or } D = \text{raw} * \text{AfraidFactor} > 10$

otherColor $O \text{ or } D = \text{raw} == 10$

raw values

b) How to set factors?

ans: through **CWC** method, or **Edit-WC** method.

we have two buttons:

- 1- upper for AFraid factor-- its range b/w 1 and 9.99 ---- common sense rule
- 2- lower for Bias factor----- its range b/w 0.25 and 1.00 ---- common sense rule



- 1.00 represents the **Normal** case, not afraid/not biased --- $10 * 1 = 10$
- so if pair x-button is RED or green but factots are set at 1, it is identical to Normal case.

c) Continue

-Therefore, after these improvmenets, we see on dashboard two values: O-value and D-value

-But, behind the scene actually expert deal with 4 values:

- 1- **O** for buy
- 2- **O** for Sell
- 3- **D** for buy
- 4- **D** for Sell

OrderComment will show runtime O or D, not raw values.

Pair	ASK	SPD	BID	O	D
EURUSD	1.2189	1.2187	1.21875	125	125
GBPUSD	1.3427	1.3425	1.34250	12.5	12.5
AUDUSD	0.7569	0.7567	0.75675	25.0	25.0
NZDUSD	0.7089	0.7087	0.70875	25.0	25.0
USDZCAD	1.2804	1.2802	1.28025	25.0	25.0
USDCHF	0.8893	0.8891	0.88915	25.0	25.0
USDJPY	103.44	103.42	103.425	25.0	25.0
EURGBP	0.9079	0.9077	0.90775	25.0	25.0
EURAUD	1.6104	1.6102	1.61025	25.0	25.0
GBPAUD	1.7216	1.7214	1.72145	25.0	25.0
AUDCAD	0.9710	0.9708	0.97085	25.0	25.0
AUDCHF	0.6726	0.6724	0.67245	25.0	25.0
EURJPY	126.07	126.05	126.055	25.0	25.0
GBPJPY	138.88	138.86	138.865	25.0	25.0
NZDCAD	0.9121	0.9119	0.91195	25.0	25.0
NZDCHF	0.6309	0.6307	0.63075	25.0	25.0
EURCAD	1.3684	1.3682	1.36825	25.0	25.0
GBPCAD	1.7224	1.7222	1.72225	25.0	25.0
AUDNZD	1.0503	1.0501	1.05015	25.0	25.0

- In toolTips you will see actual runtime O or D
- Picture shows that for buy EURUSD orders O=D=125, since raw values are the same for both
- for BUY O=D=12.5 pips
- while for SELL O=D=25.0 pips
- look O,D for buy are different form SELL values
- if raw O not equal to raw D, definitely you will have 4 differnt values if afraid and bias factors are not 1.00

d) Calculations

Calculations:

AFraid = 1.4

Bias = 0.50

illustrated on picture

-if color not RED not GREEN, experts ignore these factors and multiply by 1.00

ailyj

Pair	O	D
EURUSD	24.0	72.0
GBPUSD	24.0	24.0
AUDUSD	25.0	25.0
NZDUSD	25.0	25.0
USDZCAD	25.0	25.0
USDCHF	25.0	25.0
USDJPY	25.0	25.0
EURGBP	25.0	25.0
EURAUD	25.0	25.0
GBPAUD	25.0	25.0
AUDCAD	25.0	25.0
AUDCHF	25.0	25.0
EURJPY	25.0	25.0
GBPJPY	25.0	25.0
NZDCAD	25.0	25.0
NZDCHF	25.0	25.0
EURCAD	25.0	25.0
GBPCAD	25.0	25.0
AUDNZD	25.0	25.0
CADCHF	25.0	25.0
EURCHF	25.0	25.0

BUY GREEN: Factor is 1.4
AFRAID O=24.0*1.4 = 33.6 pips = 336 pipettes(points)
 D=72.0*1.4 = 100.7 pips = 1007 pipettes(points)

SELL RED: Factor is 0.5
BIAS O=24.0*0.5 = 12.0 pips = 120 pipettes(points)
 D=72.0*0.5 = 36.0 pips = 360 pipettes(points)

e) Order Comments

OrderComment shows runtime O and D

Dahsboard shows raw values.

type	Size	Symbol	Price	S / L	T / P	Price	AFFRAID FACTOR	BIAS FACTOR	Profit	Comment
sell	0.01	audusd	0.00000	0.75106	0.75106	0.75716	1.4	0.5	-10	J_SL003.01,140,140-00,0.75283

IS	#S	Reference B/S Price	#	Pairs	d	ASK	x	SPD	x	BD	BL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP	GAP	P/L US\$	Average prices
0.07	4	1.921311	7	EURUSD	1	1.21920	1.4	1.21920	1.4	1.21920	1.4	1.21920	1.4	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
0.04	7	1.33245	7	GBPUSD	1	1.34255	2.4	1.34255	2.4	1.34255	2.4	1.34255	2.4	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
0.04	4	0.75160	3	AUDUSD	0	0.75716	1.7	0.75716	1.7	0.75716	1.7	0.75716	1.7	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
0.04	4	0.70389	4	NZDUSD	0	0.70874	2.2	0.70874	2.2	0.70874	2.2	0.70874	2.2	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		1.29134	5	USDCHF	0	1.28789	2.3	1.28789	2.3	1.28789	2.3	1.28789	2.3	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		0.88895	6	USDCHF	0	0.88966	2.2	0.88966	2.2	0.88966	2.2	0.88966	2.2	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		103.585	7	USDJPY	0	103.440	1.7	103.440	1.7	103.440	1.7	103.440	1.7	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		0.90970	8	EURUSD	0	0.90831	2.8	0.90831	2.8	0.90831	2.8	0.90831	2.8	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		1.61566	9	EURAUD	0	1.61050	3.0	1.61050	3.0	1.61050	3.0	1.61050	3.0	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		1.77376	10	GBPAUD	0	1.77346	5.5	1.77346	5.5	1.77346	5.5	1.77346	5.5	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		0.96926	11	AUDCAD	0	0.97481	2.7	0.97481	2.7	0.97481	2.7	0.97481	2.7	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		0.66864	12	AUDCHF	0	0.67589	2.8	0.67589	2.8	0.67589	2.8	0.67589	2.8	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		126.020	13	EURJPY	0	126.108	2.6	126.108	2.6	126.108	2.6	126.108	2.6	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		138.323	14	GBPJPY	0	138.861	2.9	138.861	2.9	138.861	2.9	138.861	2.9	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		0.90764	15	NZDCAD	0	0.91244	2.9	0.91244	2.9	0.91244	2.9	0.91244	2.9	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		0.62580	16	NZDCHF	0	0.63057	4.7	0.63057	4.7	0.63057	4.7	0.63057	4.7	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		1.56893	17	EURCAD	0	1.56976	4.3	1.56976	4.3	1.56976	4.3	1.56976	4.3	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		1.72249	18	GBPCAD	0	1.72853	5.0	1.72853	5.0	1.72853	5.0	1.72853	5.0	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				
		1.06644	19	EURNZD	0	1.06697	2.4	1.06697	2.4	1.06697	2.4	1.06697	2.4	10.0	10.0	0.01	0.01	9999.00	1	1	1	20	S	60.0				

Conclusions

you can now differentiate b/w Buys and Sells sO, D, setting

4) Order Types

Assume O=D=10, TP=20, TO = 5, L1/L2/L3 = 1/1/1

Example Ref P: **0.95600**

a) BL = Buy Limit

Buy Limit Price below Ref P by O=D=10

BL	TP
0.95500	0.95700
0.95400	0.95600
0.95300	0.95500
0.95200	0.95400
0.95100	0.95300

b) SL = Stop Limit

Stop Limit Price above Ref P by O=D=10

BL	TP
0.95700	0.95500
0.95800	0.95600
0.95900	0.95700
0.96000	0.95800
0.96100	0.95900

c) BS = Buy Stop

Buy Stop Price above Ref P by O=D=10

BL	TP
0.95700	0.95900
0.95800	0.96000
0.95900	0.96100
0.96000	0.96200
0.96100	0.96300

d) SS = Sell Stop

Sell Stop Price below Ref P by O=D=10

BL	TP
0.95500	0.95300
0.95400	0.95200
0.95300	0.95100
0.95200	0.95000
0.95100	0.94900

in column #B or #S, will **might** see **doubled numbers**

IN YOUR CASE

#B shows the number of BL and BS orders

#S shows the number of SL and SS orders

assume price goes up 5 pips then drop 10 pips (5 pips back to ref price) and more 5 pips below ref.

O=D=1

then 5 BS is executed then 5 BL is executed,

sum is #B=10, even though you see DB= -5, NOT -10

MB	LB	#B	DS	MS	LS	#S	GAP	P/L USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	
-0.02	0.30	3	-2.00	-3.00	0.20	2	6.50	-17.85	1	SI20	23.189	0.18	23.207	1.00	1.00	1.00	1.00	1.00	1.00	0.01	0.01	9999.00	
-3.50	0.30	3	-2.00	-3.00	0.20	2	6.50	-26.27	2	US30Roll	29899.60	2.80	29902.40	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
-1.75	0.10	1	0.13	0.10	1	1.75	-5.9	-5.9	3	UT100Roll	11949.12	1.00	11950.12	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
-2.50	0.20	2	-2.00	-2.50	0.10	1	5.00	49.3	4	DE30Roll	13257.00	0.00	13258.00	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
-5.00	3.00	3	-2.00	-2.50	0.10	1	5.00	-77.15	5	JP225Roll	26370.50	10.00	26380.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00
-1.00	0.30	3	-2.00	-2.50	0.20	2	3.50	-9.55	6	HK50Roll	26617.50	6.00	26622.50	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
-0.50	0.30	3	-2.00	-2.50	0.20	2	3.50	-3.44	7	AUS200Roll	6643.10	4.80	6648.40	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	

BuyStop BGCOLOR
BuyLimit BGCOLOR

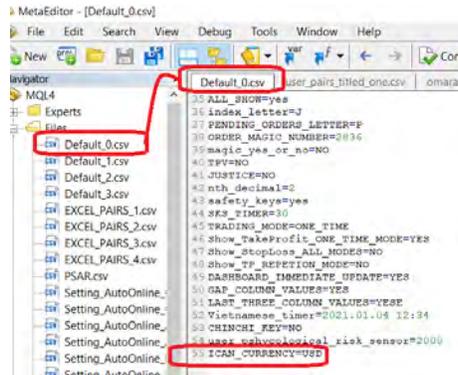
SellStop BGCOLOR
SellLimit BGCOLOR

for last order
executed in
each case

MB	LB	#B	DS	MS	LS	#S	GAP	P/L USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	
0	0.10	4	4.00	-3.00	0.20	2	8.50	-18.15	1	SI20	23.179	0.18	23.197	1.00	1.00	1.00	1.00	1.00	1.00	0.01	0.01	9999.00	
0	0.40	4	4.00	-3.00	0.20	2	8.50	-25.95	2	US30Roll	29897.60	2.80	29900.40	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
5	0.10	1	0.75	-0.13	0.10	1	1.88	-6.33	3	UT100Roll	11948.50	1.00	11949.50	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
0	0.20	2	-2.00	0.00	0.20	2	6.50	49.28	4	DE30Roll	13257.00	0.00	13258.00	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
0	3.00	3	-2.00	-2.50	0.10	1	5.00	-77.1	5	JP225Roll	26370.50	10.00	26380.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00
0	0.30	3	-3.50	-4.00	0.30	3	5.00	-9.75	6	HK50Roll	26617.50	6.00	26623.50	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	
0	0.30	3	-1.00	-1.00	0.10	1	1.50	-3.85	7	AUS200Roll	6643.60	4.80	6648.40	1.00	1.00	1.00	1.00	1.00	1.00	0.10	0.10	9999.00	

4 different colors--last executed order OrderComment box BackGround colors

5) ICAN Default Currency – Choose related orders base on Currency



The last element in the file of course you can copy it to line number 1 or even delete it from the file!

when you attach the e3pert to tha chart--value USD come from **your** file default_0.csv----not my file 😊

but later you can change it as you like, at any time, to any currency any click on non currency groups will reset it to AMBIGUOUS CURRENCY SYMBOL **XYZ**



NOW

- 1- select MY
- 2- you must disable GROUPS-KEY ---**RED**
- 3- MOUSE-CLICKS button must be **GREEN**
- 4- in this wat when you click on GBP, expert will not change group from MY to GBP
- 5- GBP now is your dummy currency--look at ICA-N currency button, GBP immediatly transferred there



click on any of types:

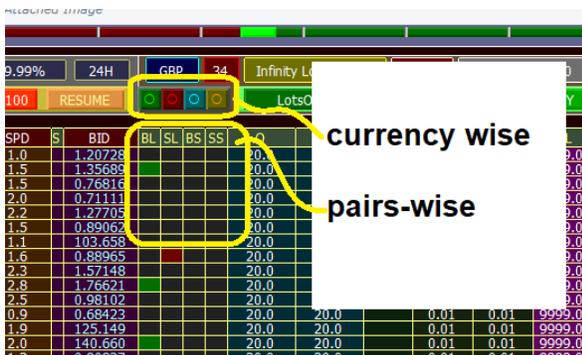
it will be reflected as a currency-wise, not pair-wise
 EURGBP is sell ===== GBP itself if BUY.

GREEN circle above **BL**===== it is currency buylimit
 and so on

#	Pair	SPD	ASK	BID	BL	BS	SS	O
1	EURUSDm	0.990	1.20727	1.0	1.20727			20.0
2	EURUSDm	0.990	1.35689	1.5	1.35689			20.0
3	AUDUSDm	0.990	0.76816	1.5	0.76816			20.0
4	NOUSDm	0.990	0.71111	2.0	0.71111			20.0
5	USDCHFm	0.990	1.27705	2.2	1.27705			20.0
6	USDCHFm	0.990	0.89062	1.5	0.89062			20.0
7	USDCHFm	0.990	1.03658	1.1	1.03658			20.0
8	EURGBPm	0.990	0.88965	1.6	0.88965			20.0
9	EURGBPm	0.990	1.57148	2.3	1.57148			20.0
10	EURGBPm	0.990	1.26621	2.4	1.26621			20.0
11	AUDCHFm	0.990	0.98102	2.5	0.98102			20.0
12	AUDCHFm	0.990	0.68423	0.9	0.68423			20.0
13	EURJPYm	0.990	125.149	1.9	125.149			20.0
14	GBPJPYm	0.990	140.660	2.0	140.660			20.0
15	NOUSDm	0.990	0.90937	1.2	0.90937			20.0
16	EURUSDm	0.990	1.20728	1.0	1.20728			20.0
17	EURUSDm	0.990	1.35689	1.5	1.35689			20.0
18	AUDUSDm	0.990	0.76816	1.5	0.76816			20.0
19	NOUSDm	0.990	0.71111	2.0	0.71111			20.0
20	USDCHFm	0.990	1.27705	2.2	1.27705			20.0
21	USDCHFm	0.990	0.89062	1.5	0.89062			20.0
22	USDCHFm	0.990	1.03658	1.1	1.03658			20.0
23	EURGBPm	0.990	0.88965	1.6	0.88965			20.0
24	EURGBPm	0.990	1.57148	2.3	1.57148			20.0
25	EURGBPm	0.990	1.26621	2.4	1.26621			20.0
26	AUDCHFm	0.990	0.98102	2.5	0.98102			20.0
27	AUDCHFm	0.990	0.68423	0.9	0.68423			20.0
28	EURJPYm	0.990	125.149	1.9	125.149			20.0
29	GBPJPYm	0.990	140.660	2.0	140.660			20.0
30	NOUSDm	0.990	0.90937	1.2	0.90937			20.0

look at **GBP** pairs--backgrounded in deep-blue color

i reomve old colors for specific pairs.



6) Max TO and Max LL for all 4 order types

now #of orders reaching max TO is colored in systematic way:

also Lot limiter for all r types is distiguihws with same order type color

from last month:

BL=Green

SL = Red

BS=Aqua

SS=Orange

Now columns #B (BUY) or #S, (SELL)

plus

columns of TO (BUY) and LD (SELL)

their BGColor will react according to types color

7) ITERATE button

NewLesson:

-----**Skat**: when i click SetRefOnBar, weekly chart, all my 10 pairs was at least -200 pips, my O=D=10;

omaramir: when i click SetRefOnBar, weekly chart, all my 10 pairs was at least -200 pips, my O=D=10;

----**zreboo**: when i click SetRefOnBar, weekly chart, all my 10 pairs was at least -200 pips, my O=D=10;

-----**Skat**: i want expert to open positions **one order for each pair**, and then rotate again till all orders are executed;

omaramir: NO, NO, I want expert to open all 20 positions of the first pair, then go to the second pair and so on (-200/10=20 positions);

----**zreboo**: I hate both methods. I prefer 2 orders for each pair, then go to the seond order and when 2 orders of last pair is opened, rotate again 2 orders for each pair.

sacredragon: all choices are availabe. if **ITERATE** button is GRAY, it is our normal case (**Skat** want that)

but when **ITERATE** is RED, then through CWC method, **omaramir** has to choose big integer number, let us say 40 and **zreboo** has to choose integer 2.

and you will see the true number of iteration in **tooltips** of **ITERATE**

8) Expert Timer button



DURING OPERATION: use expert timer 3 or more seconds. market will not fly, i personally use 7 seconds.



9) Widening (W)

W = +1 (Deceleration)

W = -1 (Acceleration)

both on all 28 pairs use O=D=10 Pips

but **bazze** use **W=+1**

while **zorafx** W=0;

Price of YYYYXX pair now is **1.0000**

they want to enter sell postions on YYYYXX? for 4 orders??

what there 4 entry levels??

W=0 ==> Simple case, no Widening here (W=Widening)

so **zorafx** entry levels:

#1: 1.0010

#2: 1.0020

#3: 1.0030

#4: 1.0040

a) Deceleration (W = 1)

Assume use **W=+1**

but for bazze, matter is somewhat complicated.

#1: 1.0010----X

#2: 1.0020----0

#3: 1.0031----1

#4: 1.0043----2

O=D=10, distance b.w first two orders will be 10 pips,

now each new order will be the same immediate previous diffetence + W value (read it again: plus W value)

10 pips= difference in pips b/w 1st and 2nd orders

11 pips= difference in pips b/w 2nd and 3rd orders

12 pips= difference in pips b/w 3rd and 4th orders

13 pips= difference in pips b/w 4th and 5th orders
 14 pips= difference in pips b/w 5th and 6th orders

a) Acceleration (W = -1)

Assume use W=-1,

assume we continue . . .

- #1-: 1.00**10**---- first order X
- #2-: 1.00**20**---- diff = 10 pips
- #3-: 1.00**29**---- diff = 9 pips
- #4-: 1.00**37**---- diff = 8 pips
- #5-: 1.00**44**---- diff = 7 pips
- #6-: 1.00**50**---- diff = 6 pips
- #7-: 1.00**55**---- diff = 5 pips
- #8-: 1.00**59**---- diff = 4 pips
- #9-: 1.00**62**---- diff = 3 pips
- #10: 1.00**64**---- diff = 2 pips
- #11: 1.00**65**---- diff = 1 pips
- #12: 1.00**65**---- diff = 0 pips
- #13: 1.00**64**---- diff = -1 pips

ES ON BAR S30Roll NR SL 002 0029430 10 0001 000 5

BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2
915.25	1.00	11916.25					50.00	50.00	-1.00	0.10	0.10	100.00	1	1
6605.50	10.00	25615.50					50.00	50.00	-1.00	1.00	1.00	100.00	1	1
429.10	1.80	29430.90					50.00	50.00	-1.00	0.10	0.10	100.00	1	1
2094.00	1.00	13005.00					50.00	50.00	-1.00	0.10	0.10	100.00	1	1

التسارع
acceleration

this to change dummy numbe sign

- 10 pips= difference in pips b/w 1st and 2nd orders
- 9** pips= difference in pips b/w 2nd and 3rd orders
- 8** pips= difference in pips b/w 3rd and 4th orders
- 7** pips= difference in pips b/w 4th and 5th orders
- 6** pips= difference in pips b/w 5th and 6th orders

What will happen if we continue for 15 orders??? rotation?

be cerful please, even though program is smart enough to avoid your possible mistakes

Order ID	Time	Type	Size	Symbol	Price	S/L	T/P	Price	Profit	Comment
Balance: 1,069.60 USD Equity: 1,069.60 Free margin: 1,069.60					0.00					
2394593	2020.11.13 22:48:46	sell limit	0.22	eurusd	1.18424	0.00000	1.17424	1.18329	×	G_1.18324_SL00.22.100.100
2394592	2020.11.13 22:48:45	sell limit	0.21	eurusd	1.18524	0.00000	1.17524	1.18329	×	G_1.18324_SL00.21.100.100
2394590	2020.11.13 22:48:45	sell limit	0.20	eurusd	1.18614	0.00000	1.17614	1.18329	×	G_1.18324_SL00.20.100.100
2394589	2020.11.13 22:48:45	sell limit	0.19	eurusd	1.18694	0.00000	1.17694	1.18329	×	G_1.18324_SL00.19.100.100
2394588	2020.11.13 22:48:44	sell limit	0.18	eurusd	1.18764	0.00000	1.17764	1.18329	×	G_1.18324_SL00.18.100.100
2394587	2020.11.13 22:48:44	sell limit	0.17	eurusd	1.18824	0.00000	1.17824	1.18329	×	G_1.18324_SL00.17.100.100
2394586	2020.11.13 22:48:44	sell limit	0.16	eurusd	1.18874	0.00000	1.17874	1.18329	×	G_1.18324_SL00.16.100.100
2394585	2020.11.13 22:48:43	sell limit	0.15	eurusd	1.18914	0.00000	1.17914	1.18329	×	G_1.18324_SL00.15.100.100
2394584	2020.11.13 22:48:43	sell limit	0.14	eurusd	1.18944	0.00000	1.17944	1.18329	×	G_1.18324_SL00.14.100.100
2394582	2020.11.13 22:48:42	sell limit	0.13	eurusd	1.18964	0.00000	1.17964	1.18329	×	G_1.18324_SL00.13.100.100
2394581	2020.11.13 22:48:42	sell limit	0.12	eurusd	1.18974	0.00000	1.17974	1.18329	×	G_1.18324_SL00.12.100.100
2394580	2020.11.13 22:48:41	sell limit	0.11	eurusd	1.18974	0.00000	1.17974	1.18329	×	G_1.18324_SL00.11.100.100
2394579	2020.11.13 22:48:41	sell limit	0.10	eurusd	1.18964	0.00000	1.17964	1.18329	×	G_1.18324_SL00.10.100.100
2394578	2020.11.13 22:48:41	sell limit	0.09	eurusd	1.18944	0.00000	1.17944	1.18329	×	G_1.18324_SL00.09.100.100
2394577	2020.11.13 22:48:40	sell limit	0.08	eurusd	1.18914	0.00000	1.17914	1.18329	×	G_1.18324_SL00.08.100.100
2394575	2020.11.13 22:48:40	sell limit	0.07	eurusd	1.18874	0.00000	1.17874	1.18329	×	G_1.18324_SL00.07.100.100
2394574	2020.11.13 22:48:40	sell limit	0.06	eurusd	1.18824	0.00000	1.17824	1.18329	×	G_1.18324_SL00.06.100.100
2394573	2020.11.13 22:48:39	sell limit	0.05	eurusd	1.18764	0.00000	1.17764	1.18329	×	G_1.18324_SL00.05.100.100
2394572	2020.11.13 22:48:39	sell limit	0.04	eurusd	1.18694	0.00000	1.17694	1.18329	×	G_1.18324_SL00.04.100.100
2394571	2020.11.13 22:48:39	sell limit	0.03	eurusd	1.18614	0.00000	1.17614	1.18329	×	G_1.18324_SL00.03.100.100
2394570	2020.11.13 22:48:38	sell limit	0.02	eurusd	1.18524	0.00000	1.17524	1.18329	×	G_1.18324_SL00.02.100.100
2394568	2020.11.13 22:48:38	sell limit	0.01	eurusd	1.18424	0.00000	1.17424	1.18329	×	G_1.18324_SL00.01.100.100

rotation point

W = minus 1 Effect

D Equity: 1,069.60 Free margin: 1,069.60					0.00					
2020.11.13 22:48:46	sell limit	0.22	eurusd	1.18424	0.00000	1.17424	1.18325	×	G_1	
2020.11.13 22:48:45	sell limit	0.21	eurusd	1.18524	0.00000	1.17524	1.18325	×	G_1	
2020.11.13 22:48:45	sell limit	0.20	eurusd	1.18614	0.00000	1.17614	1.18325	×	G_1	
2020.11.13 22:48:45	sell limit	0.19	eurusd	1.18694	0.00000	1.17694	1.18325	×	G_1	
2020.11.13 22:48:44	sell limit	0.18	eurusd	1.18764	0.00000	1.17764	1.18325	×	G_1	
2020.11.13 22:48:44	sell limit	0.17	eurusd	1.18824	0.00000	1.17824	1.18325	×	G_1	
2020.11.13 22:48:44	sell limit	0.16	eurusd	1.18874	0.00000	1.17874	1.18325	×	G_1	
2020.11.13 22:48:43	sell limit	0.15	eurusd	1.18914	0.00000	1.17914	1.18325	×	G_1	
2020.11.13 22:48:43	sell limit	0.14	eurusd	1.18944	0.00000	1.17944	1.18325	×	G_1	
2020.11.13 22:48:42	sell limit	0.13	eurusd	1.18964	0.00000	1.17964	1.18325	×	G_1	
2020.11.13 22:48:42	sell limit	0.12	eurusd	1.18974	0.00000	1.17974	1.18325	×	G_1	
2020.11.13 22:48:41	sell limit	0.11	eurusd	1.18974	0.00000	1.17974	1.18325	×	G_1	
2020.11.13 22:48:41	sell limit	0.10	eurusd	1.18964	0.00000	1.17964	1.18325	×	G_1	
2020.11.13 22:48:41	sell limit	0.09	eurusd	1.18944	0.00000	1.17944	1.18325	×	G_1	
2020.11.13 22:48:40	sell limit	0.08	eurusd	1.18914	0.00000	1.17914	1.18325	×	G_1	
2020.11.13 22:48:40	sell limit	0.07	eurusd	1.18874	0.00000	1.17874	1.18325	×	G_1	
2020.11.13 22:48:40	sell limit	0.06	eurusd	1.18824	0.00000	1.17824	1.18325	×	G_1	
2020.11.13 22:48:39	sell limit	0.05	eurusd	1.18764	0.00000	1.17764	1.18325	×	G_1	
2020.11.13 22:48:39	sell limit	0.04	eurusd	1.18694	0.00000	1.17694	1.18325	×	G_1	
2020.11.13 22:48:39	sell limit	0.03	eurusd	1.18614	0.00000	1.17614	1.18325	×	G_1	
2020.11.13 22:48:38	sell limit	0.02	eurusd	1.18524	0.00000	1.17524	1.18325	×	G_1	
2020.11.13 22:48:38	sell limit	0.01	eurusd	1.18424	0.00000	1.17424	1.18325	×	G_1	

- O = Offset = first order level - reference price
- D = Difference b/w n th order and $(n+1)$ th starting from 2nd order
- W = Widening +deaccelaration -accelaration

assume EUR USD now is 1.18000 $O = D = 6 \text{ pips}$



First 4 orders for three cases

2) First Lot (FL)

First Lot Size when price goes against you based on O and D Concept

3) Lot Increment (L) – based on FL

Lot Increment after First Lot (FL) order has been placed as per above

4) Lot Limiter (LL)

LL = Lot limiter column

this column values show the maximum accumulative pairs in one direction for each pair.

for example your balance is 4000 USD -- you want to enter 50 position on EURUSD -- and at the same time you do not want total lots to exceed 3 lots.

simply set EURUSD LL value to 3 lots to avoid risky situations!! it depends on you!

a) Lot Limiter Button

Lot limiter

do you want to show **ALL** open Lots

or do you want to show **Array** Lots

or do you want to show **Expert** Lots



Array: when you choose for example EUR-7 (red EUR) -- This is **your current group selected**--in other words, this is the **array** of 7 pairs. expert will ignore other pairs not on dashboard.

also if you use "EXPERT" mode for LL, expert will be faster since **there is no** math calc for old orders lots.

5) L1/L2/L3

Refer to topic on Lots Design Configurations

6) Total Orders (TO)

Total orders in one direction (Buy/Sell) for each type (Stop/ Limit)

Example: TO=20, if you activate SL and BL---then there will be a maximum 20 orders Sell Limit and 20 Sell Limit Orders, which give a Grand total of **40 orders** for the particular pair

7) Ladder (LD)

Number of orders before new order **FI+LI** (subseq Last Order + LI) takes place, depending on **Ladder** Value of **LD**

Example:

FI = 0.01

LI = 0.01

LD = 5 (Ladder)

TO = 20 (total 20 Orders)

After first 5 orders, we increase next 5 orders by LI (0.01 in this case), up to max TO (20 in this case)

Therefore:

1st order = 0.01 lot

2nd order = 0.01 lot

3rd order = 0.01 lot

4th order = 0.01 lot

5th order = 0.01 lot

6th order = 0.02 lot (Last order lot+LI)

7th order = 0.02 lot

8th order = 0.02 lot

9th order = 0.02 lot

10th order = 0.02 lot

11th order = 0.03 lot (Last order lot+LI)

12th order = 0.03 lot

13th order = 0.03 lot

14th order = 0.03 lot

15th order = 0.03 lot

16th order = 0.04 lot (Last order lot+LI)

17th order = 0.04 lot

18th order = 0.04 lot

19th order = 0.04 lot

20th order = 0.04 lot

8) Take Profit (TP)

Number of Pips for target Take Profit

9) Reset – SM1 – “Zeros”

Reset all settings How to **reset** all previous settings?

click "**SM-1**", then click on "**Zero_All**"

if you click one everything will be void including order types BL, SL, etc..

but since it is a dangerous step to zeros all fields, there is a safety condition: click first on box "SM-1", then "Zero_All" will be ready to accept your click

The screenshot shows a trading software interface with a 'ZEROS' button highlighted in yellow. Below it, a table of 'SET REFERENCE PRICES ON BAR' is shown with a yellow box around it and the text 'void values' overlaid.

LS	#S	GAP	P/L USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	D	T	Referen
				1	EURUSD	1.18315	2.2	1.18337																
				2	GBPUSD	1.31983	2.8	1.32011																
				3	AUDUSD	0.72680	1.8	0.72698																
				4	NZDUSD	0.68462	2.6	0.68488																
				5	USDCAD	1.31340	4.3	1.31383																
				6	USDCHE	0.91252	2.4	0.91276																
				7	USDJPY	104.604	1.8	104.622																
				8	EURGBP	0.89631	3.0	0.89661																
				9	EURAUD	1.62764	3.9	1.62803																
				10	GBPAUD	1.81551	7.1	1.81622																
				11	AUDCAD	0.95453	6.4	0.95517																
				12	AUDCHE	0.66323	3.4	0.66357																
				13	EURJPY	123.771	2.9	123.800																
				14	GBPJPY	138.060	4.8	138.108																
				15	NZDCAD	0.89912	7.5	0.89987																
				16	NZDCHE	0.62468	5.1	0.62519																

10) Halt Trading

9- Dashboard Part 1- First 8 Dashboard Columns + GAP

DB-MB-#B-LB ----- CALCUALTIONS BASED ON **BUY** POSITIONS

DS-MS-#S-LS----- CALCUALTIONS BASED ON **SELL** POSITIONS

and

GAP ----- extreme price movement range

Also be careful-- 4 OF thses 9 columns boxes are action-event objects. ==> #B - #S - LB - LS. The smart point here is that: each box is an INPUT/OUTPUT box! something strange, ususly others(like programmers) are not used to.each box is input and also is output!

1) DB/DS

DB column: values there are Current Price ASK minus BUY reference price

= diferece in pips b/w current price and reference price---->for **buy** direction

it answers question: when I apply expert how many pips price goes against me?? (price goes **down**)

DS column: values there are Current Price BID minus SELL reference price

= diferece in pips b/w current price and reference price---->for **sell** direction

it answers question: when I apply expert how many pips price goes against me?? (price goes **up**)

we know **Buy** orders are executed at ASK price not BID price (people ambigously connect bid to buy and ask to sell) during **entry**.

their connection is correct only during **exit** not **entry**.

Market rule:

BUY ENTRY at **ASK** price, ---- **BUY EXIT** at **BID** price.

SELL ENTRY at **BID** price, --- **SELL EXIT** at **ASK** price.

LAST BUYLIMIT/BUYSTOP ORDER COMMENT								0 Lots	SET REFERENCE PRICES ON BAR			
DB	MB	LB	#B	DS	MS	LS	#S	Reference B/S Price		Pairs		
49.8	-28.8			-49.8	-49.8			1.19134	1.19108	1	EURUSD	
-61.2	-61.2			61.2	-36.1			1.33805	1.33605	2	GBPUSD	
41.3	-1.2			-41.3	-41.3			0.73541	0.73341	3	AUDUSD	
31.0	-10.0			-31.0	-31.0			0.70019	0.69845	4	NZDUSD	
1.1	-9.6			1.1	-31.6			1.29992	1.29902	5	USDCA	
-31.3	-31.3			31.3	-17.3			0.90815	0.90753	6	USDCHI	
32.6	32.6			-32.6	-6.5			104.451	104.404	7	USDJPY	
98.2	-2.4			-98.2	-98.2			0.89002	0.88802	8	EURGBP	
34.2	-21.5			34.2	66.0			1.61763	1.61463	9	EURAUD	
-140.2	-140.2			140.2	5.6			1.81723	1.81423	10	GBPAUD	
43.2				-43.2	2.0			0.95679	0.95417	11	AUDCA	
11.3	-16.3			11.3	5.0			0.66795	0.66587	12	AUDCHI	
15.0	-54.3			-15.0	1.1			124.443	124.347	13	EURJPY	
-111.0	-111.0			111.0	1.9			139.785	139.485	14	GBPJPY	
36.1	-10.0			-36.1	18.2			0.91036	0.90794	15	NZDCA	
-1.6	-24.7			1.6	-21.5			0.63618	0.63472	16	NZDCHI	
67.9	-20.7			-67.9	-67.9			1.54845	1.54714	17	EURCA	
-78.7	-78.7			78.7	58.8			1.73843	1.73543	18	GBPCA	
39.7	-0.1			-39.7	-62.9			1.04908	1.04608	19	AUDNZ	
-7.5	-15.8			7.5	-26.7			0.69730	0.69621	20	CADCHI	
5.2	28.2			-5.2	-18.7			1.08212	1.08122	21	EURCHI	
-98.9	-98.9			98.9	-35.4			1.21527	1.21227	22	GBPCHI	
17.9	-16.1			-17.9	-30.9			76.814	76.611	23	AUDJPY	
3.5	-27.4			-3.5	-26.3			73.172	72.999	24	NZDJPY	
-10.7	-22.2			10.7	-15.4			80.266	80.179	25	CADJPY	

dark or shining colours??

when **DB** box is **not** important?

ans: **when its value is +ve** ===== no **BUY** orders will be executed

when **DS** box is **not** important?

ans: **when its value is +ve** ===== no **SELL** orders will be executed

So **non-important values** will be **dark** green(for buys) or red(for sells)

while important values (-ve ones) will be **shining** green or red

2) MB/MS

Max worst B/S Pips. **M** = Maximum = maximum pips market goes against you in **both cases**: 1) buy direction and 2) sell direction.

MB: Maximum worst pips for BUY

MS: Maximum worst pips for SELL

look at account now:

now free margin is minus -- does column #B, #S values will change?

this is the most **difficult** part of expert as we noted earlier. **concentrate** during reading

MillionaireE-Educational Demo Account XXXXXX06							Last Sync: 3 min ago
Overview		Trade Report		Trade Graph		Trade List	
Trader:	Macd-rsi	Performance	Return	Profit	Pips	Entr/Exit	Lots
Broker:	Equiti	Today (Thu)	-48.5%	-\$24,224	na	294/170	2,067
Type:	Demo	This Week	-48.5%	-\$24,224	na	294/170	2,067
Balance:	\$59,958	This Month	-48.5%	-\$24,224	na	294/170	2,067
Unrealized:	-\$34,182	This Year	-48.5%	-\$24,224	na	294/170	2,067
Equity:	\$25,776	All Time	-48.5%	-\$24,224	na	294/170	2,067

to answer this question we must first understand what is the purpose or meaning of these two columns.

and to understand these two columns you have to understand first two extreme pips columns (MB and MS)

3) #B/#S

Number of B/S orders executed by expert

For **US30Roll**--there was adequate free margin ---therefore all orders are executed-no restrictions

#S = 26 orders -- reason: Market goes up by 66.5 pips since applying expert(=Goes gainst us by 66.5 pips up)

since our setting is O=D=2.5 pips (put **new order each 2.5 pips**) then total orders must be $66.5 / 2.5 = 26$ (integer number)

#S is number of sell order executed by expert.
look at picture.

US30Roll = dowJonz

MS = -66.5 pips -- so number of executed orders must be $66.5 / 2.5 = 26$ orders = #S
(O=D=2.5 pips)

Calculator: $66.5 \div 2.5 = 26.6$

for buy:

For **US30Roll**--there was **no** adequate free margin ---therefore **not** all orders are executed--restrictions

DB	MB	LB	#B	DS	MS	LS	#S	GAP	P/L USD	Pairs
-1.66	-1.66			1.66				1.66		
-187.50	-200.00	216.00	44	187.50	-66.50	81.00	26	266.50	-22561	US30Roll
-109.63	-134.38	133.00	34	109.63	-32.24	41.00	12	166.62	-3536.88	UT100Roll
-96.50	-102.50	87.00	2	96.50	-10.75	4.00	4	113.25	-4684.92	DE30Roll
-72.50	-97.50	541.00	71	72.50	-32.80	231.00	13	130.00	-77.95	JP225Roll
-115.00	-122.50			115.00	-9.00			131.50		HK50Roll

MB = -200 pips

Therefore we expect #B = 200/2.5 = 80 orders

But we see #B = 44 not 80 !!!!

Reason: after order #44 we fell in minus margin

effect of minus free margin = any order satsiy entry condition will not executed. except when it is a hedging position

4) LB/LS

Columns LB, LS === L = Lots

Total "accumulated" executed order lots are recorded.

for example if you look at prev picture: there is **81** lot of sell positions and **216** lots for buy position on US30Roll

DB	MB	LB	#B	DS	MS	LS	#S	GAP	P/L USD	Pairs
-1.66	-1.66			1.66				1.66		
-187.50	-200.00	216.00	44	187.50	-66.50	81.00	26	266.50	-22561	US30Roll
-109.63	-134.38	133.00	34	109.63	-32.24	41.00	12	166.62	-3536.88	UT100Roll
-96.50	-102.50	87.00	2	96.50	-10.75	4.00	4	113.25	-4684.92	DE30Roll
-72.50	-97.50	541.00	71	72.50	-32.80	231.00	13	130.00	-77.95	JP225Roll
-115.00	-122.50			115.00	-9.00			131.50		HK50Roll

Columns LB, LS === L = Lots

under these two columns--total "accumulated" executed order lots are recorded. for example if you look at prev picture: there is **81** lot of sell positions and **216** lots for buy position on US30Roll

a) Accumulated Lots Formula

n = No. of orders (20 in the above example)

FL = First Lot (0.01)

for **101**-config: very simple rule = $n * FL$

for **111**-config: very simple rule = $n * FL * (1+n)/2$ -----> $20 * 0.01(1+20)/2 = 0.2 * 21/2 = 2.1$ (check last prev case)

for **102**-config: very simple rule = $(2^n - 1) * FL$

assume my account is 1K USD, !! and I want to check for 20 orders starting with 0.01 lot with ladder = 1 !!

does my account tolerate that?

what is the general rule that I use in advance to know total possible lots prior to attaching expert! (risk-reward study)

$(0.01 + 0.20) / 2 * 20 = 0.21 * 10 = 2.1$ Lots!!

2.1 lot ==> pip value is 21.0,

1000/21.0 = **margin call** will be after 40 to 35 pips!! very near!!

Agree

crazy trading!

for 1k lots should not exceed your "frequency" number! (max tolerance)

say mcp (margin call pips) = 250 pips! therefore lots should not exceed 0.40 lots!

b) Margin Call Pips

in forex make your holy number -- it must be **Margin Call Pips**-MCP- open new positions as much as you like, but please at some specific time stop.
stop when the margin call pips reach your x-pips

your x is different from my x

if you can tolerate up to 250 pips, your x is 250 pips! your psychological holy number when MCP goes down to 240, may you will be nervous upset,

5) Gap

Updated version: See Mathematical Cal Boxes > Gap

it is the total range in pips b/w highest price and lowest price since referencing (starting expert)
by logic == **GAP = MB + MS**

10- Dashboard Part 2 – Last 5 Columns – Average Prices/ Pips/ Net Lots

Average prices		Average Pips	Net/Lot	
1.21146		17.8		0.02
	1.33498		-8.6	-0.07
0.74111		21.6		0.04
	1.27963		21.0	-0.04
0.90779		4.2		0.06
1.63425	1.63372	-19.9	13.9	-0.08
	1.80034		30.9	-0.32
	0.94822		-13.4	-0.04
126.136		10.4		0.02
	138.923		-7.5	-0.30
	1.54956		-3.9	-0.02
	1.70754		9.5	-0.38
	1.05371		-3.7	-0.02
	1.18906		8.8	-0.21
77.145		19.3		0.04
116.770		21.5		0.02
1.72243		-20.1		0.17
	1.89731		28.9	-0.36

1) Average Prices

First two columns under title "Average prices"

D	TP	References	Average prices	Average Pips	Net/Lot
5	84.00	24.330 24.312			
5	84.00	29222.90 29217.10	29139.47	119.37	312.00
5	84.00	11823.50 11820.50	11801.34	11843.38	23.91 17.13 -63.00
5	84.00	13128.75 13123.75	13023.40	-54.40	1188.00
5	84.00	25384.50 25374.50			
5	84.00	26140.00 26134.00			
5	84.00	6421.90 6420.10			
5	84.00	5409.00 5403.80			
5	84.00	7793.50 7787.50			
5	84.00	3441.45 3440.55			
5	84.00	16325.44 16317.54			
5	84.00	24.274 24.240			
5	84.00	1880.03 1870.02			
5	84.00	41.834 41.782			
5	84.00	44.070 44.026			
5	84.0	0.72737 0.72722			
5	84.0	0.68788 0.68768			
5	84.0	1.30788 1.30764			
5	84.0	105.294 105.278			
5	84.0	1.17740 1.17725			
5	84.0	1.61892 1.61866			
5	84.0	1.71193 1.71163			
5	84.0	1.53982 1.53946			
5	84.0	123.964 123.944			
5	84.0	0.89143 0.89120			
5	84.0	1.32098 1.32076			

First column shows average prices of all **buy** positions if any for each pair

Second column shows average prices of all **sell** positions if any for each pair

all these columns fields are non-action click event -- that mean only shows values (output) -- if you click on them or not, **nothing will change**.

They just display values of average prices starting with comment letter. or AVERAGE OF all if you select "ALL"

2) Average Pips

"Average pips" title has two columns showing your profit or loss in pips for each pair for both types buy and sell

first column for buy--second for sell

mathematically, it is the difference b/w current price and average price in pips

Average prices	Average Pips	Net/Lot
89.47	-93.37	312.00
101.34	33.54	-63.00
103.40	-45.90	1188.00

3) Net/ Lots

References	Average prices	Average Pips	Net/Lot
24.330 24.312	29139.47	103.37	312.00
29222.90 29217.10	11801.34	31.16	-63.00
11823.50 11820.50	13023.40	-48.15	1188.00

and the last dashboard column named "NetLots" is for net lots
negative value on brown box: sells lots > buys lots

and the last dashboard column named "NetLots" is for net lots of open position (buys lots minus sell lots)

negative value on brown box: sells lots > buys lots

11- Lots and Spreads

1) Maximum Lots

Maximum Lots allowed is based only on ALL orders opened for **ALL** (diff from Lot Limiter **LL** previous section) pairs by expert (does not include orders opened manually or by other experts)

edit 10 here -- then mouse click on it check here

click here

open lots are 412.55 lots ---- more than Limit of 10 lots!!!!

therefore both boxes will be RED

MaxLot Box

assume you apply expert to 66 pairs!!

and you want to prevent operation if total lots of opened positions for all these 66 pairs reach some level--let us say 10 lot.

what should you do!

ans: Feed "**Maximum_Lots**" box with value of 10.

now may EURUSD positions sums up to **3** lots,

USD JPY sums to **2.22** lots,

GBPUSD sums to **4** lots

and assume next expert order on GBPUSD with value of 2 lot.

expert will **reject this value** and **modify it** to a new lower value to ensure that "*max lots not to exceed 10 lots*"

2 lots will be changed to **0.78** lot

$$3 + 2.22 + 4 + 0.78 = 10 \text{ lots}$$

you will choose a value that **suite your balance!** and are convinient to your risk tolerance.

the program default value is almsot infinity "Big Number = 10000 Lots"

to change this value just type in edit field, then click again on edit value--to memorize it. then click on "MaxLot" box--you will see new value inside the box.

2) UP/ Down Arrows

do you want to see these price-movement indicators or not?

just click on "x" or "x" to activate deactivate.

Gray-Background -- arrows ON

Similar to ask or bid fields color--- arrows OFF

Pairs	d	ASK	SPD	BID	BL	SL
AUDCAD		0.97094	7.5	0.97019		
AUDCHF		0.66913	8.8			
AUDJPY		77.938	4.7			
AUDNZD		1.06784	7.5			
AUDUSD		0.75193	3.3			
CADCHF		0.68954	10.8			
CADJPY		80.303	5.0	80.253		
CHFJPY		116.571	10.8	116.463		
EURAUD		1.61859	10.3	1.61756		
EURCAD		1.57104	14.2	1.56962		
EURCHF		1.08258	12.0	1.08138		
EURGBP		0.91110	5.8	0.91052		
EURJPY		126.088	5.2	126.036		
EURNZD		1.72810	19.0	1.72620		
EURUSD		1.21651	3.1	1.21620		
GBPAUD		1.77762	20.3	1.77559		
GBPCAD		1.72547	23.6	1.72311		
GBPCHF		1.18908	23.0	1.18678		
GBPJPY		138.478	10.9	138.369		
GBPNZD		1.89797	24.1	1.89556		
GBPUSD		1.33603	7.0	1.33533		

3) Spread Limited (SL SPL)

Reject orders if spread is widening beyond our "SPREAD LIMITER" SPL: 10000 (new version)

SL=10000 Pipette
= almost no limit

margin level: 84.20%

454554	454554	ALL LOTS 84.95	454554.00	43	ALL	ADD	ROC	D 100																		
40 Terminal	PipValue 8.11577	NET LOTS 80.15	SL: 10000	NR	RMV	RD	D=1																			
100	250	500	1000	2500	MaxOrders: unlimited	EXCEL 1 PAIRS	SM-1																			
25	C	R	S1	E1	S2	E2	x1000	x100	x10	/10	/100	-	101	111	102	121	ON	SEND								
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	250	500	750	1000	2000	2500	5000	10000
83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
e	f	g	h	i	j	k	l	m	n	o	p	q														
HK50Roll NR SL 005 0026244.50										MD: Repeat																
ASK	BL	SL	BS	SS	O	D	W																			
24.307					2.50	2.50																				
29552.40					2.50	2.50																				
11621.12					2.50	2.50																				
13209.75					2.50	2.50																				
25439.50					2.50	2.50																				
26261.00					2.50	2.50																				
6462.40					2.50	2.50																				
5450.10					2.50	2.50																				
7780.50					2.50	2.50																				
3452.95					2.50	2.50																				
16410.51					2.50	2.50																				
24.246					2.50	2.50																				
1877.35					2.50	2.50																				
42.758					2.50	2.50																				
					0.01	0.01	inf	1	1	1	20	5	100.00	42.5												

Macc-rsi

Font Size A

"Spread Limiter Box"

SL is SpreadLimiter not StopLoss

"Spread Limiter Box"

usually spread of EURUSD is about 1.6 pips!

tell expert to avoid opening positions on this pair if entry conditions are satisfied when spread is 5.0 pips
 it is 5.0 not 5 -- we say "five point zero" <----- very important here

SL is SpreadLimiter not StopLoss

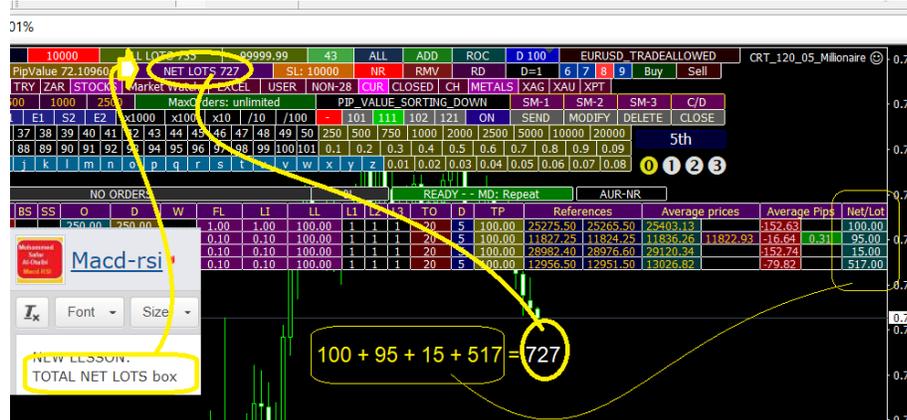
0.01		ALLOWED TRADING HOURS										AUDCAD NR SL 031 0000.95137 0001 000										0.01	
#S	GAP	P/L USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	T			
	0.94		1	SI70	24.237	24.238	24.255				2.50	2.50			0.01	0.01	inf	1	1	1	2		
	81.50	-9867.3	2	US30Roll	29552.10	2.80	9554.90				2.50	2.50			0.10	0.10	inf	1	1	1	2		
12	51.63	-10.22	3	UT100Roll	11652.62	1.00	11653.62				2.50	2.50			0.10	0.10	inf	1	1	1	2		
5	49.50	18.94	4	DE30Roll	13212.25	1.00	3213.25				2.50	2.50			0.10	0.10	inf	1	1	1	2		
4	80.00	-0.16	5	JP225Roll	25489.50	10.00	25490.50				2.50	2.50			1.00	1.00	inf	1	1	1	2		
11	39.00	-44.04	6	HK50Roll	26247.50	6.00	26248.50				2.50	2.50			0.10	0.10	inf	1	1	1	2		
1	15.00	-0.86	7	AUS200Roll	6461.60	4.80	6462.60				2.50	2.50			0.10	0.10	inf	1	1	1	2		
	24.75	11.21	8	FRA40Roll	5438.90	1.20	5439.90				2.50	2.50			0.10	0.10	inf	1	1	1	2		
3	56.00	52.57	9	ESP35Roll	7734.50	6.00	7735.50				2.50	2.50			0.10	0.10	inf	1	1	1	2		
1	12.00	1.45	10	EU50Roll	3449.05	1.00	3449.95				2.50	2.50			0.10	0.10	inf	1	1	1	2		
6	29.90	-173.8	11	CHINA50Ro	16431.41	8.20	16432.41				2.50	2.50			0.10	0.10	inf	1	1	1	2		
	0.94		12	XAGUSD	24.173	0.25	24.198				2.50	2.50			0.01	0.01	inf	1	1	1	2		
	2.79		13	XAUUSD	1877.26	0.26	1877.52				2.50	2.50			0.01	0.01	inf	1	1	1	2		
	1.88		14	USOILRoll	42.666	0.33	42.699				2.50	2.50			0.01	0.01	inf	6	1	1	2		
	2.11		15	UKOILRoll	44.820	0.30	44.850				2.50	2.50			0.01	0.01	inf	1	1	1	2		
	7.0	-0.01	16	AUDUSD	0.72890	1.8	0.72908				2.5	2.5			0.01	0.01	inf	1	1	1	2		
	11.9	-0.79	17	NZDUSD	0.68740	2.1	0.68761				2.5	2.5			0.01	0.01	inf	1	1	1	2		
4	12.4	0.14	18	USDCAD	1.30521	1.8	1.30539				2.5	2.5	18.0		0.01	0.01	inf	1	1	1	2		
2	11.6	-1.24	19	USDJPY	105.466	1.5	105.481				2.5	2.5			0.01	0.01	inf	1	1	1	2		
	11.7	-0.67	20	EURUSD	1.17916	1.4	1.17930				2.5	2.5			0.01	0.01	inf	1	1	1	2		
1	9.6	0.01	21	EURAUD	1.61747	2.8	1.61775				2.5	2.5			0.01	0.01	inf	1	1	1	2		
1	21.7	-0.91	22	EURNZD	1.71504	3.8	1.71542				2.5	2.5			0.01	0.01	inf	1	1	1	2		
1	12.5	-0.13	23	EURCAD	1.53904	3.8	1.53942				2.5	2.5			0.01	0.01	inf	1	1	1	2		
	10.4		24	EURJPY	124.368	2.1	124.389				2.5	2.5			0.01	0.01	inf	1	1	1	2		
	3.7		25	EURGBP	0.88767	2.5	0.88792				2.5	2.5			0.01	0.01	inf	1	1	1	2		
	12.8	-1.45	26	GBPUSD	1.32811	2.6	1.32837				2.5	2.5			0.01	0.01	inf	1	1	1	2		
1	13.7	-0.3	27	GBP AUD	1.82177	5.3	1.82230				2.5	2.5			0.01	0.01	inf	1	1	1	2		
3	28.4	-2.51	28	GBP NZD	1.93169	5.9	1.93228				2.5	2.5			0.01	0.01	inf	1	1	1	2		
1	15.5	-0.21	29	GBP CAD	1.73349	5.2	1.73401				2.5	2.5			0.01	0.01	inf	1	1	1	2		
1	12.4	-0.03	30	GBP JPY	140.080	2.8	140.108				2.5	2.5			0.01	0.01	inf	1	1	1	2		
	13.0		31	AUD NZD	1.06019	3.2	1.06051				2.5	2.5			0.01	0.01	inf	1	1	1	2		
1	7.4	0.09	32	AUD CAD	0.95138	2.6	0.95164				2.5	2.5			0.01	0.01	inf	1	1	1	2		
	10.6	-0.49	33	NZD CAD	0.89724	3.0	0.89754				2.5	2.5			0.01	0.01	inf	1	1	1	2		
6	25.15	-0.7	34	USDMXN	20.3040	14.41	20.3184				2.50	2.50			0.01	0.01	inf	1	1	1	2		
1	27.44	-6.33	35	EURMXN	23.9418	19.23	23.9610				2.50	2.50			0.01	0.01	inf	1	1	1	2		
4	22.20	0.78	36	USDZAR	15.6073	15.81	15.81				2.50	2.50			0.01	0.01	inf	1	1	1	2		

The color of spread box **of each pair** will determine if trading on that pair is allowed or not to to spread limit restriction!

if pair spread box is Red--trade is prohibited temporarily until spread be within limits while if spread box is Black , it is normal

below we let SL=100 Pipette = 10 pips or 1 pip(depend on the pair) -- therefore any pair with spread higher than 10---Trade is blocked!

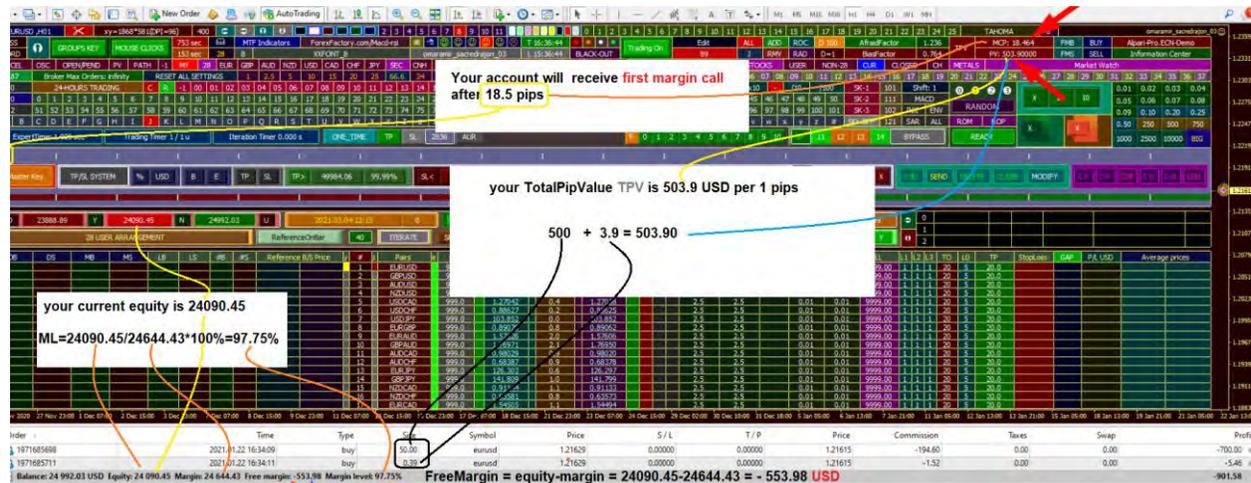
4) Total Net Lots Box



5) Current Pip Value -> Total Pip Value (TPV)

Updated version:

TPV: Total PipValue, MCP: Margin Call Pips, ML, Free Margin (Refer to the other chapters)

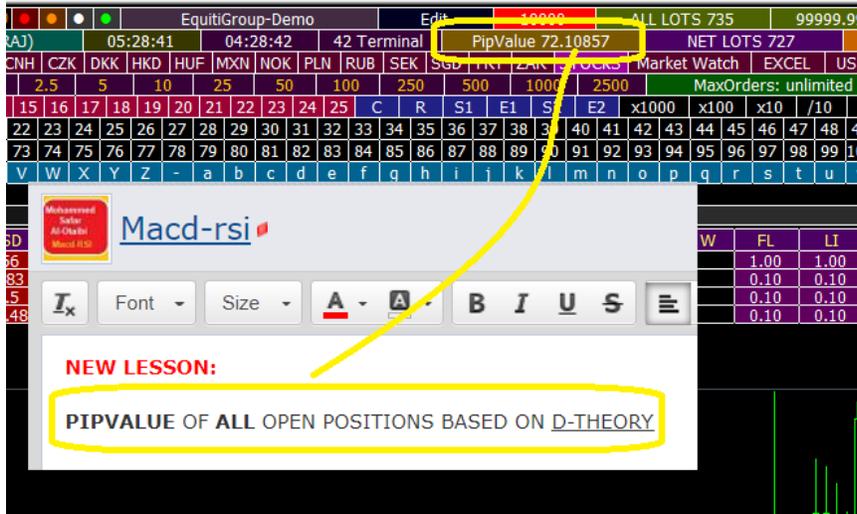


Old Version: See Mathematical Cal Boxes > TPV

pipvalue of **all** open positions based on d-theory

It depends on net lots (for positions entered **by expert**) at that period.

if you want pipValue for all positions click on **ALL** box as explained earlier.



12- Lots Design Configurations (L1/L2/L3)

%	W	R	Broker Max Orders:			
100	-	101	111	102	121	S 0.0
50	250	500	750	1000	2000	

Types of Configurations

- 1) Unified lots for all orders (101) = (1,1,1,1,1, ..)
- 2) Graded lots for all orders (111) = (1,2,3,4,5,6,7,.....)
- 3) Doubled lots for all orders (102) = (1,2,4,8,16,.....)
- 4) Custom lot design criterion = xxx (L1/L2/L3 accepts values from 1-9, only L2 accepts 0)

it is not logical for L1 and L3 to be 0 -- so program will reject this value--you can not put them 0, even if you intentionally try.

therefore there are 999 possible lot designs.

assume **Ladder=1**;

and

FL = 0.01 lot -----(first order lot)

and

LI=0.01 lot -----(lot increment)

1) Unified lots (101) = (1,1,1,1,1, ..)

if we use **101** configurations, first five orders lots will be as follow: (**101 = unified**)

order #1: 0.01 lot

order #2: 0.01 lot

order #3: 0.01 lot

order #4: 0.01 lot

order #5: 0.01 lot

each new order = previous order

2) Graded lots (111) = (1,2,3,4,5,6,7,.....)

if we use **111** configurations, first five orders lots will be as follow: (**111 = graded**)

order #1: 0.01 lot
 order #2: 0.02 lot
 order #3: 0.03 lot
 order #4: 0.04 lot
 order #5: 0.05 lot

each new order is incremented by LI lots added to previous immediate order lots.

3) Double lots (102) = (1,2,4,8,16,.....)

and if we use **102** configurations, first five orders lots will be as follow: (**102 = doubled**)

order #1: 0.01 lot
 order #2: 0.02 lot
 order #3: 0.04 lot
 order #4: 0.08 lot
 order #5: 0.16 lot

each new order is double of previous immediate order.

4) 1-2-1 lots (121) = (1,2,5,7,9,11,13,)

5) Custom lot configuration

```

77 if (YES_BL[i] == "BL")
78 {
79     if (K_BL[i] < TOPPIOD[i] && price_ASK[i] > 0.30 && MarketInfo(pairs[i], MODE_ASK) > 0.3 && MarketInfo(pairs[i], MODE_BID) > 0.3)
80     {
81         if (!IsConnected() || !IsExpertEnabled() || !IsTradeAllowed() || IsStopped()) break;
82         PS = K_BL[i] * (DiffPips[i] + WiderPips[i] * (K_BL[i] - 1) / 2.0) + Offset[i];
83         double BPRICEB = price_ASK[i] - PS * MarketInfo(pairs[i], MODE_POINT);
84         if (MarketInfo(pairs[i], MODE_ASK) <= BPRICEB)
85         {
86             int LI = K_BL[i] / Ladder[i];
87             lotx = (FirstLot[i] + Increment[i] * (LL) * Multiplier_2[i] * Multiplier_1[i] * MathPow(Multiplier_3[i], LL));
88             double lotx = lotx;
89             double ppxm = BPRICEB;
90             LOT_BL[i] = BL_LotsPairLimiter[i];
91             if (BL_LotsPairLimiter[i] < LotsLimiter[i])
92             {
93                 Lot = ( FirstLot + LotIncrement * integerof( #O / Ladder ) * L2 ) * L1 * L3
94                 (integerof( #O / Ladder ) )
95                 lotx = LotsLimiter[i] - LOT_BL[i];
96                 BL_LotsPairLimiter[i] = LotsLimiter[i];
97             }
98             if (ALL_LOTS + lotx > MAX_ACCOUNT_LOTS)

```

Assume we adopt **325** (= **3-2-5**) configuration ==> L1=3, L2=2, L3=5
 and FL=LI=0.01;

What is the first **three** order lots (assume ladder = 1) upon last equation?
 #O = 1 then 2 then 3 (= first order then second order then third order)

will be updated come back after 1 min

#1 order is: **Lots1** = (0.01+0.01*int(0/1)*2)*3*5^(int(0/1)) = (0.01+0.01*0*2)*3*5^0 = (0.01+0)*3*1 = **0.03 lot**

#2 order is: **Lots2** = (0.01+0.01*int(1/1)*2)*3*5^(int(1/1)) = (0.01+0.01*1*2)*3*5^1 = (0.01+0.02)*3*5 = **0.45 lot**

#3 order is: **Lots3** = (0.01+0.01*int(2/1)*2)*3*5^(int(2/1)) = (0.01+0.01*2*2)*3*5^2 = (0.01+0.04)*3*25 = **3.75 lot**

**do you see 325 config: 0.03--->0.45--->3.75
great jump in lots for each new order**

hence 325 is **not** a number.

It is just a three digits beside each others 😊

$325 = 3-2-5 \implies L1L2L3$

a) Proof of Concept – Graded Lots 111

proof config **111=1-1-1** -- graded orders?? why graded?

ans: equation give thar: 0.01 then 0.02 then 0.03 etc....

proof:

$L=LI=0.01$ Lots-----Ladder=1----- $L1L2L3=111=1-1-1 \implies L1=1, L2=1, L3=1$;

starting of numbering order from 0; #O = 0, then =1, then =2 etc...

Order#1: $lot1=(0.01+0.01*\text{int}(0/1)*1)*1*1^{\text{int}(0/1)} = (0.01+0.00)*1*1^0 = 0.01*1 = \mathbf{0.01}$

Order#2: $lot2=(0.01+0.01*\text{int}(1/1)*1)*1*1^{\text{int}(1/1)} = (0.01+0.01)*1*1^1 = 0.02*1 = \mathbf{0.02}$

Order#3: $lot3=(0.01+0.01*\text{int}(2/1)*1)*1*1^{\text{int}(2/1)} = (0.01+0.02)*1*1^2 = 0.03*1 = \mathbf{0.03}$

Order#4: $lot4=(0.01+0.01*\text{int}(3/1)*1)*1*1^{\text{int}(3/1)} = (0.01+0.03)*1*1^3 = 0.04*1 = \mathbf{0.04}$

Order#5: $lot5=(0.01+0.01*\text{int}(4/1)*1)*1*1^{\text{int}(4/1)} = (0.01+0.04)*1*1^4 = 0.05*1 = \mathbf{0.05}$

Order#6: $lot6=(0.01+0.01*\text{int}(5/1)*1)*1*1^{\text{int}(5/1)} = (0.01+0.05)*1*1^5 = 0.06*1 = \mathbf{0.06}$

Order#7: $lot7=(0.01+0.01*\text{int}(6/1)*1)*1*1^{\text{int}(6/1)} = (0.01+0.06)*1*1^6 = 0.07*1 = \mathbf{0.07}$

look how it was incremented each time bu 0.01 lot (LI=0.01)

b) Proof of Concept – Double Lots 102

Why config **102** result in double lots each time? even though we are using the same equation.

??

answer:

rule is:

$Lotsx = (FL+LI*\text{int}(\#O/Ladder)*L2)*L1*L3^{\text{int}(\#O/Ladder)}$

$FL=LI=0.01$ Lots-----Ladder=1----- $L1L2L3=102=1-0-2 \implies L1=1, L2=0, L3=2$;

starting of numbering order from 0; #O = 0, then =1, then =2 etc...

Order#1: $lot1=(0.01+0.01*\text{int}(0/1)*0)*1*2^{\text{int}(0/1)} = (0.01+0)*1*2^0 = 0.01*1 = \mathbf{0.01}$

Order#2: $lot2=(0.01+0.01*\text{int}(1/1)*0)*1*2^{\text{int}(1/1)} = (0.01+0)*1*2^1 = 0.01*2 = \mathbf{0.02}$

Order#3: $lot3=(0.01+0.01*\text{int}(2/1)*0)*1*2^{\text{int}(2/1)} = (0.01+0)*1*2^2 = 0.01*4 = \mathbf{0.04}$

Order#4: $lot4=(0.01+0.01*\text{int}(3/1)*0)*1*2^{\text{int}(3/1)} = (0.01+0)*1*2^3 = 0.01*8 = \mathbf{0.08}$

Order#5: $lot5=(0.01+0.01*\text{int}(4/1)*0)*1*2^{\text{int}(4/1)} = (0.01+0)*1*2^4 = 0.01*16 = \mathbf{0.16}$

Order#6: $lot6=(0.01+0.01*\text{int}(5/1)*0)*1*2^{\text{int}(5/1)} = (0.01+0)*1*2^5 = 0.01*32 = \mathbf{0.32}$

Order#7: $lot7=(0.01+0.01*\text{int}(6/1)*0)*1*2^{\text{int}(6/1)} = (0.01+0)*1*2^6 = 0.01*64 = \mathbf{0.64}$

double each time

Order#1: $lot1 = (0.01 + 0.01 * \text{int}(0/1) * 0) * 1 * 2^{\text{int}(0/1)} = (0.01 + 0) * 1 * 2^0 = 0.01 * 1 = 0.01$

c) Proof of Concept – Double Lots 121

121-CONFIGURATION:

we expect expert to place order lots in the following manner assuming ladder=1, FL=0.01=LI

Order#1: $lot1 = (0.01 + 0.01 * \text{int}(0/1) * 2) * 1 * 1^{\text{int}(0/1)} = (0.01 + 0.00) * 1 * 1^0 = 0.01 * 1 = \mathbf{0.01}$

Order#2: $lot2 = (0.01 + 0.01 * \text{int}(1/1) * 2) * 1 * 1^{\text{int}(1/1)} = (0.01 + 0.02) * 1 * 1^1 = 0.03 * 1 = \mathbf{0.02}$

Order#3: $lot3 = (0.01 + 0.01 * \text{int}(2/1) * 2) * 1 * 1^{\text{int}(2/1)} = (0.01 + 0.04) * 1 * 1^2 = 0.05 * 1 = \mathbf{0.05}$

Order#4: $lot4 = (0.01 + 0.01 * \text{int}(3/1) * 2) * 1 * 1^{\text{int}(3/1)} = (0.01 + 0.06) * 1 * 1^3 = 0.07 * 1 = \mathbf{0.07}$

Order#5: $lot5 = (0.01 + 0.01 * \text{int}(4/1) * 2) * 1 * 1^{\text{int}(4/1)} = (0.01 + 0.08) * 1 * 1^4 = 0.09 * 1 = \mathbf{0.09}$

Order#6: $lot6 = (0.01 + 0.01 * \text{int}(5/1) * 2) * 1 * 1^{\text{int}(5/1)} = (0.01 + 0.10) * 1 * 1^5 = 0.11 * 1 = \mathbf{0.11}$

Order#7: $lot7 = (0.01 + 0.01 * \text{int}(6/1) * 2) * 1 * 1^{\text{int}(6/1)} = (0.01 + 0.12) * 1 * 1^6 = 0.13 * 1 = \mathbf{0.13}$

6) Other ways for Lot Increments

a) 3 ways to configure for no Lot Increments

#Post 2249

There are three cases, lots will be unified, but the **best** of them is 101

below: all three cases for all 33 orders. lots of each order will be 0.01 --- **no increment** here.

#	Pairs	d	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	EURUSD	1.21155	1.5	1.21140						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
2	GBPUSD	1.33577	2.6	1.33551						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
3	AUDUSD	0.74251	1.7	0.74234						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
4	NZDUSD	0.70374	2.2	0.70352						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
5	USDCAD	1.27908	2.2	1.27886						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
6	USDCHF	0.89110	2.2	0.89088						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
7	USDJPY	104.042	1.6	104.026						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0

or

#	Pairs	d	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP	
1	EURUSD	1.21155	1.6	1.21139						50.0	50.0		0.01	0.01	9999.00	1			1	33	2	85.0
2	GBPUSD	1.33535	2.4	1.33511						50.0	50.0		0.01	0.01	9999.00	1			1	33	2	85.0
3	AUDUSD	0.74245	1.6	0.74229						50.0	50.0		0.01	0.01	9999.00	1			1	33	2	85.0
4	NZDUSD	0.70372	2.2	0.70350						50.0	50.0		0.01	0.01	9999.00	1			1	33	2	85.0
5	USDCAD	1.27911	2.1	1.27890						50.0	50.0		0.01	0.01	9999.00	1			1	33	2	85.0
6	USDCHF	0.89110	2.2	0.89088						50.0	50.0		0.01	0.01	9999.00	1			1	33	2	85.0
7	USDJPY	104.043	1.5	104.028						50.0	50.0		0.01	0.01	9999.00	1			1	33	2	85.0

or

#	Pairs	d	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	EURUSD	1.21148	1.5	1.21133						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
2	GBPUSD	1.33537	2.5	1.33512						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
3	AUDUSD	0.74242	1.6	0.74226						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
4	NZDUSD	0.70361	2.2	0.70339						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
5	USDCAD	1.27920	2.2	1.27898						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
6	USDCHF	0.89118	2.2	0.89096						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
7	USDJPY	104.046	1.4	104.032						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0

L2 no effect in this case what ever its value

in the rule for third case since LI=0

$LI * L2 = 0 * 9 = 0$ whatever the value of L2. ==> 0: no increment

13- Order Comments

MExpert **orderComment** start with:

- 1) one letter, then underscore for "ONE-TIME" mode,---you how decide this later as explained earlier or
- 2) for **REPETITION MODE**: strat with prefix "NR_" or
- 3) **pending Orders of SEND box**, start with prefix "G_"

and no more

Example: Y_SL1601.101.010+00_1.53666

Y_	SL	16	01.	010.010	1.53666
Identified chosen in blue alphabets prior to activating EA	BL/SL/BS/SS	17-1. Ref number for the pair found the table	Order# based on sequence of execution	O.D (in pipette)	Hidden pending open price (calculation based on O/D concept - will differ from actual open price)

14- Smart Order Concept

SMART EXPERT

This expert is many experts with one expert!
up to now we speak about ordinary expert (normal--not smart)

1) Hidden Take Profit



Red: Hidden Take Profit

Green: Show Take Profit

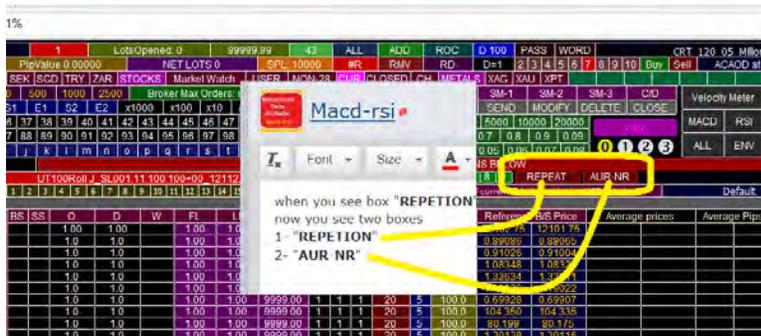
here we ignore placing TP (TakeProfit)----Hidden Take Profit
when any order is executed you will notice TP = 0.00000 (NO TAKE PROFIT)
BROKER CAN NOT SEE YOUR TAKE PROFIT
but in your mind you know any position will be closed after profit of 100 PIPS
that is smart-- but what is more smarter is to repeat placing order as pending order at prev entry price when the order is closed autmatically at predifiend TP.

How to revoke **SmartExpert?**

ans: simply click on > > > later

2) AUR - Repeat order

a) Repeat Order Concept

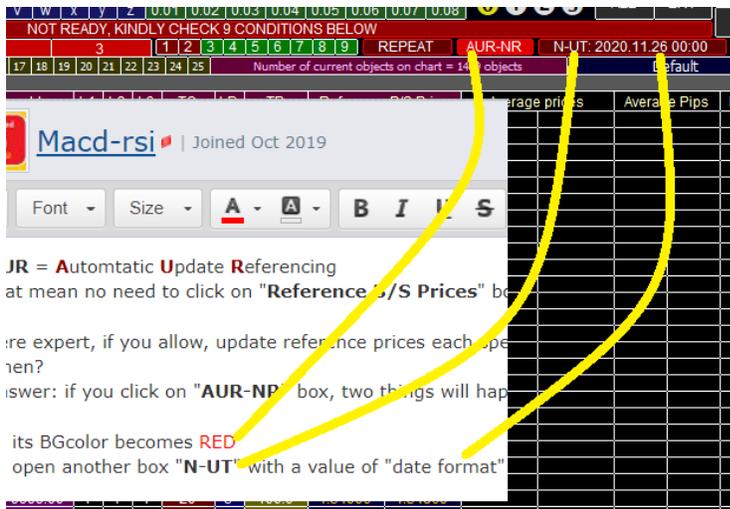


when you see box "**REPETITION**" -- you must see in the right another box named "**AUR-NR**" --
now you see two boxes

1- "**REPETITION**"

2- "**AUR-NR**" -- **Brown BG**Color

BG = **BackG**roud



AUR = Automatic Update Referencing
 that mean no need to click on "**Reference B/S Prices**" box -- or "**BAR_REFERENCING**" box, by your mouse

here expert, if you allow, update reference prices each specific interval of time.
 when?

answer: if you click on "**AUR-NR**" box, two things will happen:

- 1- its BGcolor becomes RED
- 2- open another box "**N-UT**" with a value of "date format"

"N-UT" = Next UpdateTIME

focus: here expert check chart frame:

-if it is daily choose next daily bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new **day** bar.
 today 25.11.2020, so you see on picture next UpdateTime at 26.11.2020

-if it is H4 choose next H4 bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new **H4** candle
 then *copy-paste*:

-if it is H1 choose next H1 bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new **H1** candle

-if it is M1 choose next M1bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new M1 candle

-if it is WEEKLY choose next WEEKLY bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new WEEKLY candle

-if it is M30 choose next m30 bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new m30 candle

and so on

38,209.76 Margin level: 52.08%

Terminal time now is 18:34:54
 then the time of next bar on frame M15 will be at 18:45:00
 expert automatically detect it then end it here

now assume you select time frame M15, == you by mouse change ChartFrame to M15:

expert now knows ChartPeriod = M15

and check current terminalTime

then look for the opening time of the next M15 candles

then stored as a N-UT

That mean update will tak place == replace old reference prices by new ones "ASKs and BIDS" of M15, for all pairs.

picture is very clear (above)

12094.50	0.00	0.00	-2.00	×	#R_E_001_0012096.00_0006_000
12094.50	0.00	0.00	-0.50	×	#R_E_001_0012095.00_0007_000
12094.50	0.00	0.00	0.00	×	#R_E_001_0012094.00_0008_000

27,109.67

1 0012102.75 0009_000 2 1 2 3 4 5 6 7 8 9 REPEAT AUR-NR N-UT: 2020.11.25 19:15 KEEP

W FL LI LL L1 L2 L3 TO LD TP Reference B/S Price Average Prices Average Pips NetLot

1.00 1.00 9999.00 1 1 1 1 20 5 100.00 12102.00 12101.00 12096.81 2.44 4.56 2.00

Macd-rsi

Quoting Macd-rsi

if you click on "N-UT", you open a new box to appear "KEEP" box

if you click on "N-UT" box, two things will happen:

- 1- "N-UT" its BGcolor becomes RED instead of BROWN
- 2- open another box "KEEP" --BGColor is BROWN

KEEP = Don't delete or close old orders before new updates!! KEEP them as they are!! prev update active rd

do not forget REPETION-MODE orders is hash orders = OrderComment start with "#" sign, then letter R "#R"

if you click on "N-UT" box, two things will happen:

- 1- "N-UT" its BGcolor becomes **RED** instead of **BROWN**
- 2- open another box "**KEEP**" ----BGColor is **BROWN**

KEEP = Don't delete or close **old** orders before new updates!! KEEP them as they are!! prev update active orders remain as a part of newUpdate orders!

do not forget REPETION-MODE orders **is hash** orders = OrderComment start with "**#**" sign, then letter **R** , "#R" orders

look at p.



look at last post pct.

KEEP is active-fire box also, since it is part of OnLineTrading

if you click on, BGColor will be **RED** instead of **BROWN**

and word "**KEEP**" will be replaced by word "**CLOSE**"

all three boxes associated with **REPETION** are **RED**

What will happen at this case:

answer: close and delete all prev orders either hash orders or manual entry orders!!!! clean terminal! then update refs, and **start new trading period**

b) Repeat Order Comments

OrderComment of SmartExpert positions will start with TWO letters "**NR#R**" instead of "J_" or what else!

hence EURUSD for example may get entry at 1.1800 three times (entry-close-entry-close-entry)

assume ur TP = 10 pips

entry at 1.1800 -- then position is closed ar 1.1810

instantly after closing, SmartE will place pending order at 1.1800 gain

if price drop to it, it will be executed.

is price reach 1.1810 again, it will be closed. and will put another pending postion for 3rd time and so on > >

SmartExpert:

look at highleted position on pict.

close and repeat at the same moment!

repetition could continue **for ever** if you are very luky and market fluctuate sharpaly in a horizontal channel

Order	Time	Type	Size	Symbol	Price	S / L	T / P	Price	Commission	Swap	Profit	Comment
21990922	2020.11.10 11:00:34	sell	1.00	us30roll	29224.60	0.00	0.00	29252.90	0.00	0.00	-2830	NR_SS_001_0029223.60_0009_000
21990998	2020.11.10 11:02:18	sell	1.00	us30roll	29228.60	0.00	0.00	29252.90	0.00	0.00	-2430	NR_SS_001_0029228.60_0009_000
21991037	2020.11.10 11:03:26	sell	1.00	us30roll	29233.60	0.00	0.00	29252.90	0.00	0.00	-1930	NR_SS_001_0029233.60_0009_000
21991041	2020.11.10 11:03:32	sell	1.00	us30roll	29239.60	0.00	0.00	29252.90	0.00	0.00	-1330	NR_SS_001_0029238.60_0009_000
21991044	2020.11.10 11:03:34	sell	1.00	us30roll	29243.60	0.00	0.00	29252.90	0.00	0.00	-930	NR_SS_001_0029243.60_0009_000
21991060	2020.11.10 11:04:00	sell	2.00	us30roll	29249.10	0.00	0.00	29252.90	0.00	0.00	-380	NR_SS_001_0029248.60_0009_000
Balance: 50,306.20 USD Equity: 50,204.10 Margins: 1,023.34 Free margin: 49,180.76 Margin level: 4905.90%												
21990813	2020.11.10 10:58:11	buy limit	2.00	us30roll	29180.40	0.00	0.00	29252.90	0.00	0.00		NR_SS_001_0029180.40_0008_001
21990837	2020.11.10 11:00:14	buy limit	2.00	us30roll	29185.40	0.00	0.00	29252.90	0.00	0.00		NR_SS_001_0029185.40_0007_001
21990910	2020.11.10 11:00:26	buy limit	2.00	us30roll	29190.40	0.00	0.00	29252.90	0.00	0.00		NR_SS_001_0029190.40_0006_001

if the first pending repeated order is executed then after some time is closed at predefined TP, it will be repeated as a pending order again but now OrderComment will end with "002" = 2nd repetition.

always repeated order is identical to the original order in volume(Lots) and entry price.

entry price or order "price set" is shown in OrderComment

Order	Time	Type	Size	Symbol	Price	S / L	T / P	Price	Commission	Swap	Profit	Comment
21990485	2020.11.10 10:51:12	balance									50,000.00	Deposit
21990651	2020.11.10 10:54:53	buy	2.00	us30roll	29180.40	0.00	0.00	29205.60	0.00	0.00	50.40	NR_SS_001_0029180.40_0008_000
21990644	2020.11.10 10:54:41	buy	2.00	us30roll	29182.90	0.00	0.00	29214.60	0.00	0.00	63.40	NR_SS_001_0029185.40_0007_001
21990636	2020.11.10 10:54:33	buy	2.00	us30roll	29187.90	0.00	0.00	29216.60	0.00	0.00	57.40	NR_SS_001_0029190.40_0006_001

1:08:56	sell	2.00	us30roll	29258.60	0.00	0.00	29291.40	0.00	0.00	0.00	-3280	NR_SS_001_0029258.60_0009_000
1:10:06	sell	2.00	us30roll	29263.60	0.00	0.00	29291.40	0.00	0.00	0.00	-2780	NR_SS_001_0029263.60_0009_000
1:11:28	sell	2.00	us30roll	29271.10	0.00	0.00	29291.40	0.00	0.00	0.00	-2030	NR_SS_001_0029271.10_0009_000
1:11:58	sell	3.00	us30roll	29277.60	0.00	0.00	29291.40	0.00	0.00	0.00	-1380	NR_SS_001_0029273.60_0009_#21
1:12:00	sell	3.00	us30roll	29280.60	0.00	0.00	29291.40	0.00	0.00	0.00	-1080	NR_SS_001_0029278.60_0009_000
1:12:05	sell	3.00	us30roll	29284.60	0.00	0.00	29291.40	0.00	0.00	0.00	-680	NR_SS_001_0029283.60_0009_000

sometimes it was executed at better prices due to market slippages, but when repeated will be done at OrderComment setPrice.

3) AUR – One time order

we eliminate year, and converted month to text, "Feb" instead of "2"
I guess it is better for the user!

Iteration Timer 0.000 s	OneTime	TP	SL	AUR	20 Feb 02:09	C/D	NA	DEL	CLS	0
-------------------------	---------	----	----	-----	--------------	-----	----	-----	-----	---

0.000 s	REPEAT	TP	SL	AUR	20 Feb 02:10	C/D	NA	DEL	CLS	0
---------	--------	----	----	-----	--------------	-----	----	-----	-----	---

Now referencing automatically on chartFrame **AUR** is available for **ONE-TIME** mode also,

a) Scenarios

in picture [index](#) is letter "**Z**"

and **OrderMagicNumber** was *previously* set to value "**YES**"

zreboo: i want expert each new REF to close/delete only orders with index **Z** and MagicNumber **2836** and leave anything else (ignore)

-----if there are orders with letter **Z** but magic is **9817**, or orders with magic **2836** but index is **J**. EXPERT WILL NOT TOUCH THEM

omaramir: i want expert each new REF to close/delete **ALL** positions whatever the index or magic, the trade page each start will be clean sheet.

Sawaddee: i want expert each new REF to close/delete **ONLY** orders with index **Z**, regardless of **orderMagicNumber** or any other conditions.

Sacredragon: i want expert each new REF to close/delete **ONLY** orders with MagicNumber **2836**, regardless of **index** or any other conditions.



ZREBOO, OMARAMIR, SACREDRAJON, SAWADDEE
all are talking about this **button**

b) Magic Number

for max degree of **safety** for magic number we make it a little bit difficult to change MagicNumber you have to go first to "**BLOCKED**" mode to change to current **memorized** dummy

later on if you go to **ONE-TIME** or **REPEAT**, you can not change it, but it accepts only **YES**(brown) or **NO**(gray) value.

i think this is the best way to handle it. only in the **BLOCKED** we can set **MagicNumber**



15- Dilation in Pips Concept

16- Justice Setting

Based on Pip Calibration Theory

Pip-Calibration Theory, (pair range or velocity factor)

I **invent** this theory for **justice**

anybody has heard of **ADR**??

I call it stupid ADR or newbies ADR!

Average Daily-Range ADR --- actually it is not **TRUE**

My theory states that "pair daily range is linked to great degree to price of the pair itself"
 EURUSD now **1.1834**?? emmmmm ?? then expected daily ADR is **118**??

>>> if we expect EURUSD to be 118 pips?? then we expect GBPNZD to be **195** pips, possible day movement--since price is **1.95433**

Example (Refer to #Post 663): for TP you want it to be 250

Justice Setting > 250 > TP

17- Group Selection



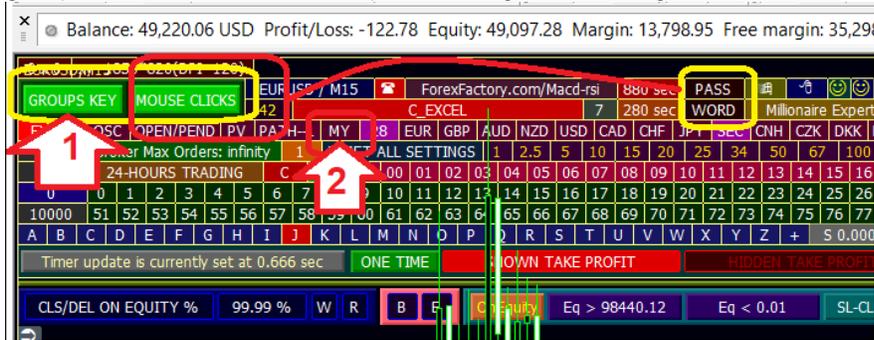
1- First Step confirm that "**GROUPS KEY**" is ON = Green

2- if not click on it one time. First be sure **MOUSE-CLICKS** also Green. if not click on **PASS** then **WORD** then **MOUSE-CLICKS**.

3- Since **MOUSE-CLICKS** is green you now can click on any Fire-Active buttons, like "**GROUPS KEY**"

4- If **GROUPS-KEY** is green, **now you can click on any group**. let us click on button "**MY**"-- This is MY-

group which is the famous 28 pairs arranged according to **my** desire.



5- MY button will become RED which indicate the first click on "MY"

6- and as a consequence, the 28 pairs will appear on the dashboard with null values. except for LD column and L1 and L3 columns.



1) EXCEL settings

Group Selection - **EXCEL FILES**

0- This is the best choice among all groups--you choose and arrange and repeat if you want your pairs according to your desire.

1- First Step confirm that "**GROUPS KEY**" is ON = Green

2- **EXCEL** has 4 groups -- you have the possibility to make 4 excel files, each one has its own instrument upon your desire. for example one for pairs you usually trade, other for mix of metals and some pairs, etc...you not me who decide. each click on EXCEL button you go to next file elements. it will be reflected on dashboard.

3- these files names must be with the following names:

-----complete rotation 4 clicks

-----1--EXCEL_PAIRS_1.csv

-----2--EXCEL_PAIRS_2.csv

-----3--EXCEL_PAIRS_3.csv

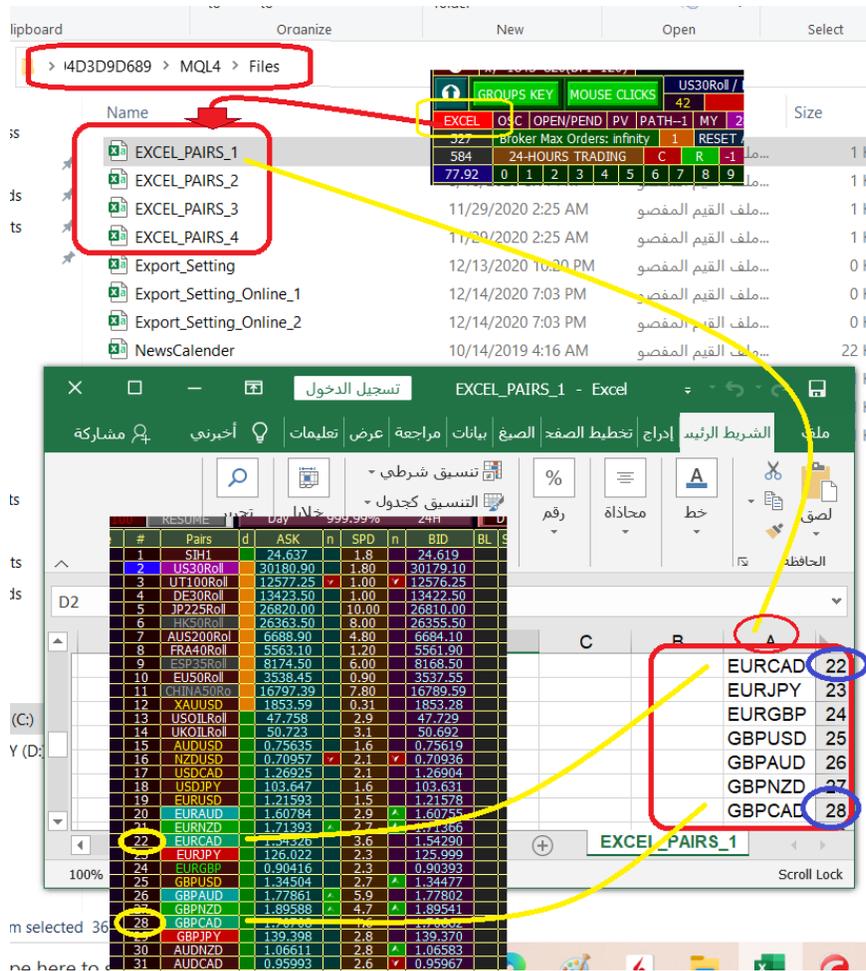
-----4--EXCEL_PAIRS_4.csv

format: EXCEL then underscore _ then PAIRS then underscore then 1 or 2 or 3 or 4

4- extension must be ***.csv** not xls

5- These files must be saved under MQL4\FILES, and for each file just fill excel column **A** with all your instruments

6-what you see on picture is my choice. Your choice definitely will differ.



7- Look at picture, you just fill **column A** on excel-sheet, nothing more. you may do it at one time in your trading live.

8- we put it at the first place in the groups row since **it is the best solution**

9- you can **repeat** pair many times. this is one of the **strongest point in expert**. Reason: you want O and D for SELL positions different from O and D for BUY positions.

10- if you write wrong instrument name like UERUSD, expert will filter it.

11- if you decide to see disabled pairs, (comming lesson) -that wrong name will appear. You can go to excel and deleted it or correct it.

12- please write pairs **as they appear on their chart** or on MarketWatch, for example EURUSD or EURUSDpro or EURUSD.c ...

2) PATH Settings

Group Selection - **PATH Button**

1- number of cicks here is not unqiue number. it is depend on your broker **subtitles** in Symbol window.

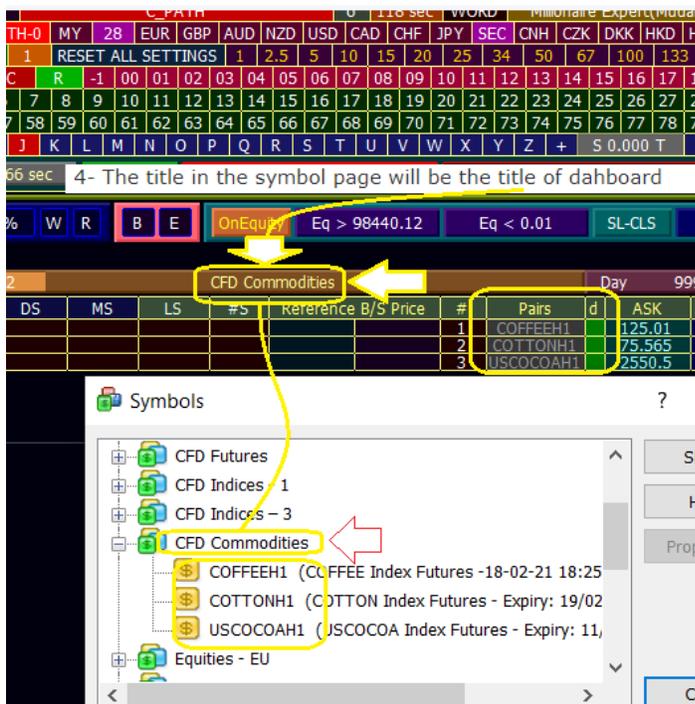
2- Path 0 then path 1 then path 2 etc are arranged in alphanpetical order, usually **CFD** first since **C** letter comes before **F** letter in "FX group".



3- Instruments will be arranged on our dashboard according to their appearance in Symbol Page

4- The title in the symbol page will be the title of dashboard

5- To restart from path 0 after reaching path7, click on PV button, to left, then click on path again



3) Chart Settings

CH Button

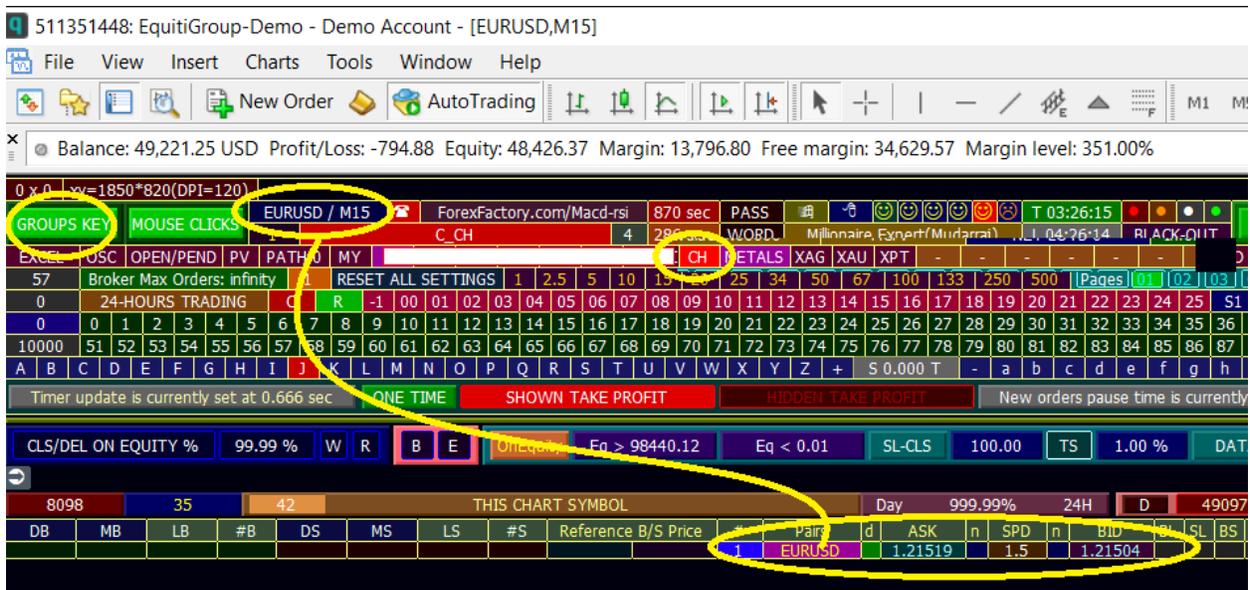
1- this group CH only consist of one elemnt, the pair of the chart. EURUSD in picture.

2- It has only one click

3- for those who trades only one pair, this is the best solution:

4- It makes expert faster since there will be much less buttons!

5- CH is the first two letters of word **CHART**.



4) 8 Buttons for famous 8-currencies

- 1- each one accept 8 clicks for 8 different choices.
- 2- look at toolTip/



5) 3 Buttons: 28, SEC and CUR

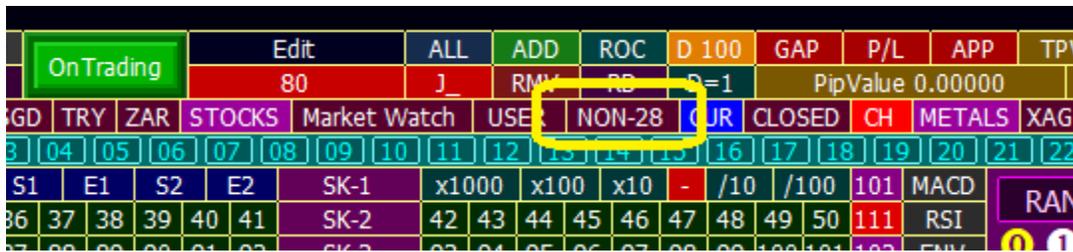
- 1- "28" Famous 28 currency-pairs
- 2- "SEC" all currency pairs except famous 28 pairs
- 3- "CUR" all famous28 pairs plus all SEC currency pairs
- 4- here indices , dtok and alike are excluded.



- 5- please explore each button. ToolTips assist
- 6- CUR is the first three letters of word CURRENCIES

6) "Non-28" Pairs

It includes every thing either SEC currency-pairs, indices or stocks etc except famous 28 pairs.



7) OSC Button

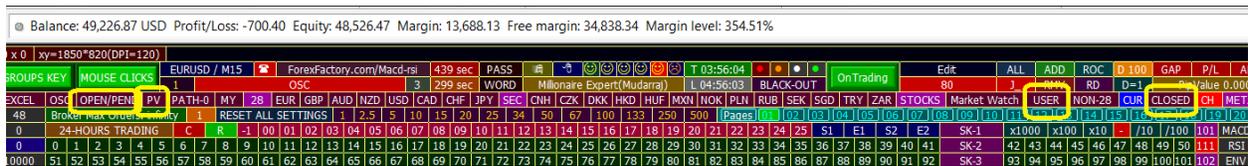
- 1- OSC = **O**pen **S**econdary **C**urrencies List
- 2- it is save-active, therefore you can click on it anytime, even if the expert is running. no change to setting
- 3- no need for GROUPS-KEY
- 4 its importance arise from the fact that some brokers offer a plenty of currencies that exceed 19 cusec currency.
- 5-click on it a new row elemnt will appear
- 6-to return back to the original row click on OSC gain.
- 7- ff your brker offer more than 53 SEC currencies, click on the FLIP button to see more hidden rows
- 8- if you reach to the last SEC rows, more click on flip will go to first SEC row elemnts.



8) Non-applicable groups for MillionaireExpert

non-applicable groups for MillionaireExpert

- 1- **PV** , **OPEN/PEND** and **CLOSED** buttons -are very important for other experts like DisplayClick, but they are not essential here
- 2- **USER** button has been explained in depth 1 month ago. it is depend on extern variable which i considered it fuddy-duddy meothd! EXCEL is better
- 3- so ignore thier existance here



Specific Lesson on Repeated pairs

- 1- i think we offer here what may be considered a revolutionary solution:
look at pcicure: AUDUSD is repeated 3 times- so possibilty of different setting for both BUY and SELL
- 2- the possibility of "repeated pair" as many times as you want. for example you can repeat EURUSD 5 times. this help you to distiguish Sell setting from Buy setting or QuickSetting for first 100 pips and different buy setting after 100 pips.

#	Pairs	ASK	n	SPD	n	BID	BL	SL	BS	S	O	D	V	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	AUDUSD	0.75536		1.7		0.75519					34.0	34.0		0.01	0.01	9999.00	1	1	2	7	5	70.0
2	AUDUSD	0.75536		1.7		0.75519					28.0	28.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
3	AUDUSD	0.75536		1.7		0.75519					5.0	5.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
4	USDCAD	1.27066		2.4		1.27042					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
5	USDJPY	103.613		1.5		103.598					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
6	EURUSD	1.21542		1.5		1.21527					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
7	GBPUSD	1.34462		2.5		1.34437					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0

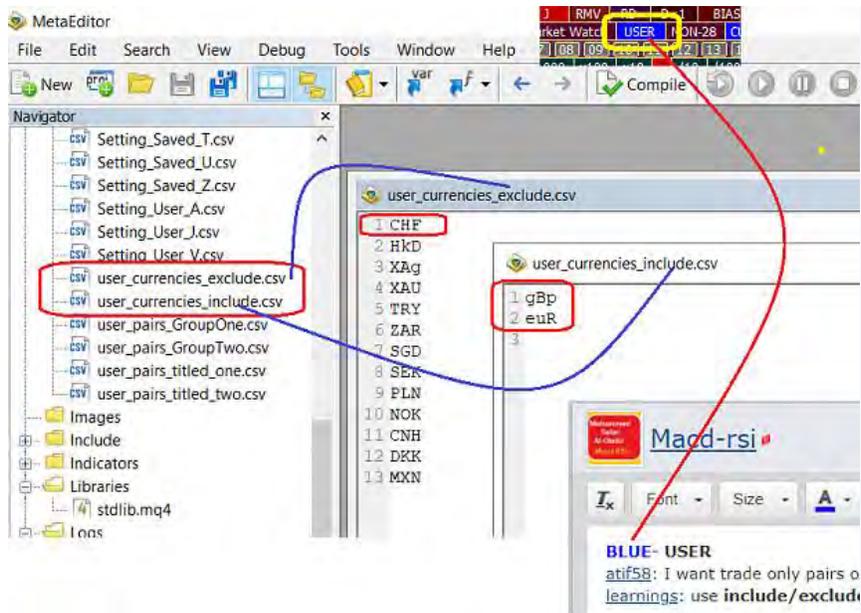
9) USER Button

BLUE- USER for csv titled files:

user_currencies_exclude.csv

user_currencies_include.csv

use **include/exclude** csv files.



Red USER for csv titled files: *user_pairs_titled_one.csv* --- last post

Orange USER for csv titled files: *user_pairs_titled_two.csv*

"Import AutoSetting" box

you see one box, but you see two words inside:

Import word: when you click on will retrieve all your old setting, including refPrices

AutoSetting word: the same thing will happen but refPrices are updated. without changing in old file, and refPrice value

==ignore excel csv values and put the current prices as the ref price.

is it clear?

no everthing is explained--no more to say about autosaving and retrieving(two cases)

for one who want to validate this post, please the shole test process should not exceed, 5 mimutes do not go to excel file, do not open anything else other than your terminal

just follow the last post 5 steps

1 - choose EUR-red (famous 7 pairs)

2- make all your setting, including refrencing, onl pair EURGBP, deactivate (click orange-5 then refer box then pairs box, then click on EURGBP to deactivate)

3- click on "SAVED-SETTING " BOX (First click on SM-1 to be green)

4--Damage all your setting by choosing box "MY" for example

5- click on import AutoSet box (First click on SM-1 to be green)--data retrieved??

--a----click on IMPORT word, (First click on SM-1 to be green)--data retrieved??

--b----then after 5 second click on AUTOSET word, what you notice?--data retrieved??

The screenshot shows a complex trading terminal interface with multiple rows of data and buttons. A yellow box highlights the 'Save Setting' button in the bottom right area. The interface includes various data fields, buttons, and a status bar at the bottom.

D	W	FL	LT	LL	L1	L2	L3	TO	LD	TP	GAP	P/L USD	Average prices	Average Pips	Net/Lot
5.0		1.00	1.00	9999.00	1	1	1	99	99	60.0	8.6				
5.00		1.00	1.00	9999.00	1	1	1	99	99	60.00	22.50				
5.00		1.00	1.00	9999.00	1	1	1	99	99	60.00	11.74				
5.00		1.00	1.00	9999.00	1	1	1	99	99	60.00	11.75				
5.00		1.00	1.00	9999.00	1	1	1	99	99	60.00	70.00				
5.00		1.00	1.00	9999.00	1	1	1	99	99	60.00	64.50				

please all read picture below 5 times.

know the arrangement of buttons----they should be arranged in excel as have been arranged on picture, for all **20 variables** (not 19, not 21--we say: 20)

#S	Reference B/S Price	Pairs	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	22.593	22.575	22.590	1.8	22.572																
2	2295.12	12292.12	29852.40	5.80	29846.60					1.00	1.00		1.00	1.00	9999.00	1	1	1	96	96	30.00
3	12295.12	12292.12	UT100Roll	12294.50	3.00	12291.50				1.00	1.00		1.00	1.00	9999.00	1	1	1	96	96	30.00
4	13324.00	13319.00	DE30Roll	13322.75	5.00	13317.75				1.00	1.00		1.00	1.00	9999.00	1	1	1	96	96	30.00

how many buttons enclosed inside yellow circles?

Ans: 20 boxes

Then, in EXCEL file each row must have 20 cells, keeping 20 values arranged as encircled in last picture. first **refBuy**, then **refSell**, then "ON or OFF" status, then **pairName**, then **BL,SL,SL,SS** and so on till **TP**.

The screenshot shows the MetaEditor interface with a CSV file named 'pairs_rosters.mqb' open. The CSV content is as follows:

```

1 22.757;22.739;NO;SIH1;BL;SL;BS;SS;10;10;0;1;1;9999;1;1;1;96;96;300
2 29910.9;29909.6;NO;US30Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
3 12307.38;12306;NO;UT100Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
4 13369.25;13363.25;NO;DE30Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
5 26808;26800.5;NO;JP225Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
6 26955.5;26949.5;NO;HK50Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
7 6604.4;6600.5;NO;AUS200Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
8 5617.8;5615;NO;FRA40Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
9 8115.5;8110;NO;ESP35Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
10 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
11 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
12 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
13 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
14 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
15 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
16 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
17 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
18 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
19 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
20 10000;10000;NO;SIH1;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000

```

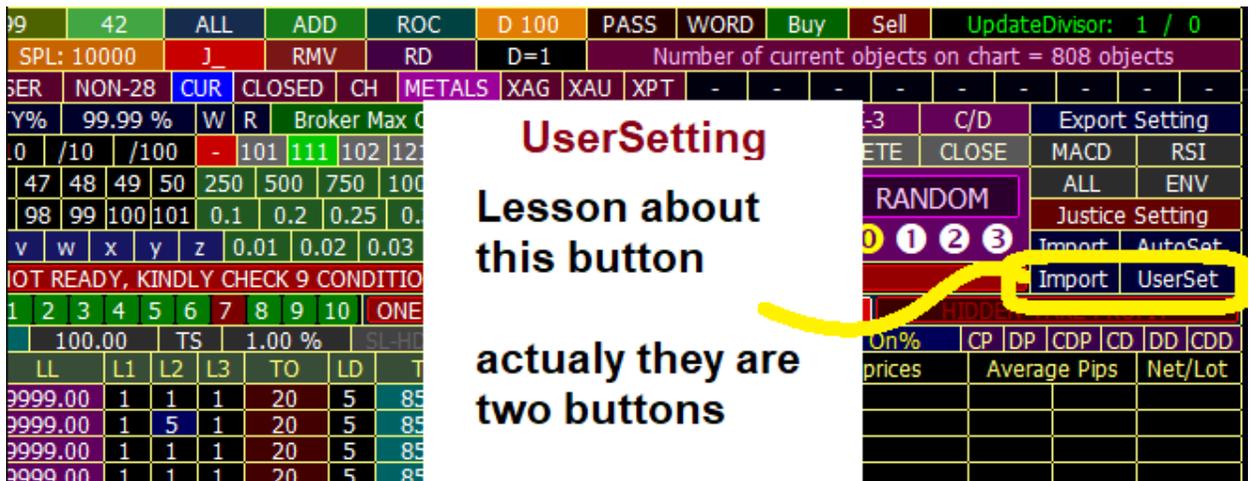
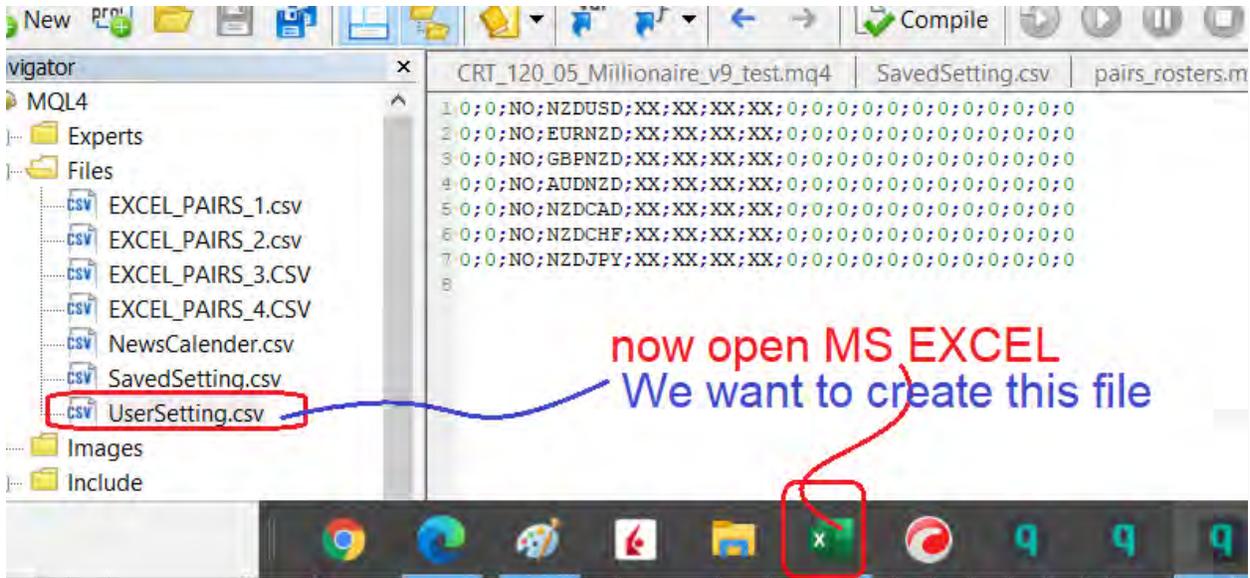
19- How to use UserSetting

here forget about data saved

you go to excel then prepare **your permanent** setting, that may you isist on for 2 years. you are free in everthing except 4 things:

- 1--file name must be "UserSetting.csv" ----
- 2- each rwo in excel must have 20 elements arranged as how arranged in saved setting
- 3- file must be saved under **MQL4\FILES**
- 4-HIGHLY RECOMMENDED: you had better start from first row

this is more **dynamic**, since you set each variable independetly upon you futuer plan



The **big advantage** of the second approach, that you write data at once, then it will be your setting for many years if you like.

you can also bypass sparam-Group and go directly to your selected pairs.

To recall your manual setting simply:

1- click on SK-1,SK-2,SK-3, then

2- Click on Import/ User Setting

-----a: if you clicked on word import will retrieve all setting as it is

-----b: if you click on UserSetting word also will retrieve all data as it is except refPrices will be updated on dashboard according to current prices, without any change to excel contents.

Create excel File

But wait, before you recall any data(your setting), you must first create that data.

Open excel then name a new file. File name must be "**UserSetting**" with extension "*.csv" or you can download ready-made sample csv file below, then proceed with your modifications upon your desire.

UserSetting.csv

Why the name must be "UserSetting" and extension to be "csv" ?

ans: simple reason--the source code enforce you to do that--you have no choices.

look at sample code:

```
int i=-1;
int file_handle_2=FileOpen("UserSetting.csv",FILE_READ|FILE_CSV,",");
if(file_handle_2!=INVALID_HANDLE)
{
```

arabic KeyBorad ??

T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A	
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURUSD	NO	1.12355	1.12345	1
850	5	20	1	5	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURGBP	NO	1.12355	1.12345	2
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURAUD	NO	1.12355	1.12345	3
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURNZD	YES	1.12355	1.12345	4
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCAD	NO	1.12355	1.12345	5
999	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCHF	NO	1.12355	1.12345	6
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURJPY	NO	1.12355	1.12345	7
20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	8

Reference B/S Price	Pairs	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
2.00000	1.00000	1	EURUSD	1.21221	2.1	1.21200			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ON EXCEL USER SETTING

Filling Excel cells

for each instrument, there must be **1 row with 20 columns**

and as explained earlier, the arrangenet of 20 variables must be as arranged on dashboard.

For pair#1:

1-Fill A1 cell with your **refBuy** price, you can make it zero if not to be used

2-Fill B1 cell with your **refSell** price, you can make it zero if not to be used

3-Fill C1 cell with either "YES" or "NO" - all upper case capital letters- to activate or deactivate pair. YES ordinal number box will be RED.

4-Fill D1 cell with pair name. Better to be identical to your broker naming.

5-Fill E1 cell with BL value, either "BL" or "XX" - all upper case capital letters- **BL** activated , XX deactivated

6-Fill F1 cell with SL value, either "SL" or "XX" - all upper case capital letters- **SL** activated , XX deactivated

7-Fill G1 cell with BS value, either "BS" or "XX" - all upper case capital letters- **BS** activated , XX deactivated

8-Fill H1 cell with SS value, either "SS" or "XX" - all upper case capital letters- **SS** activated , XX deactivated

09-Fill I1 cell with **O** (offset) +ve integer value--program will say it as a pipette, if you want 5 pips according to traditional concept, edit 50.

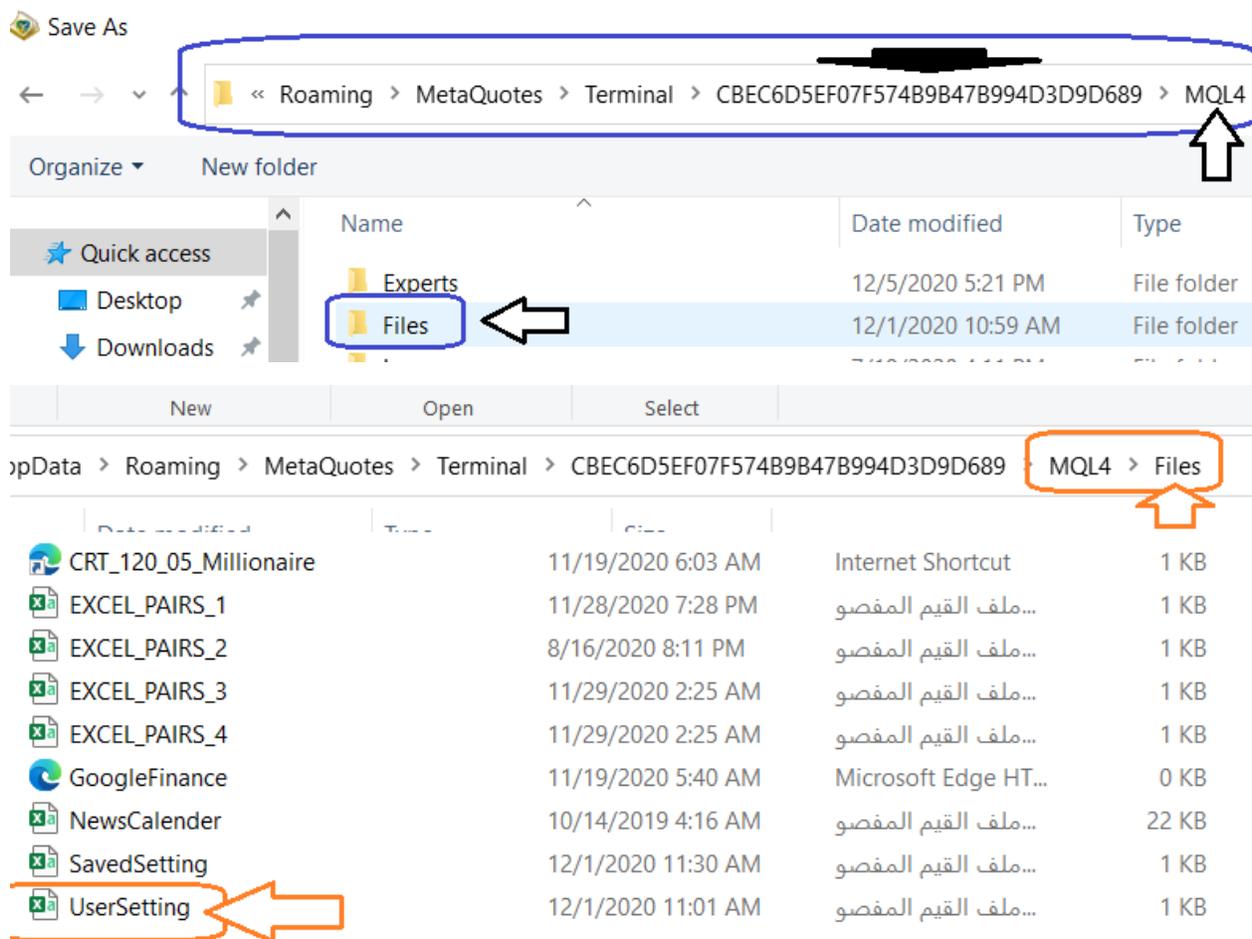
10-Fill J1 cell with **D** (Difference) +ve integer value--program will say it as a pipette, this gives you more generalization

- 11-Fill K1 cell with **W** (Widening) +ve or -ve integer value.
- 12-Fill L1 cell with First order Lot **FL** value. It could be integer or float number but not 0. Match it as possible to your broker conditions
- 13-Fill M1 cell with Lot Increment **LI** value. It could be integer or float number but not 0. Match it as possible to your broker conditions
- 14-Fill N1 cell with pairLotLimiter **LL** value. Float or integer number-depends on your needs.
- 15-Fill O1 cell with LotMultiplier-1 **L1**, it must be within limit 1 to 9.
- 16-Fill P1 cell with LotMultiplier-2 **L2**, it must be within limit 0 to 9.
- 17-Fill Q1 cell with LotMultiplier-3 **L3**, it must be within limit 1 to 9. better to make it all the time 1.

- 18-Fill R1 cell with **TO** (TotalOrdersPerPairInOneDirection TOPPIOD) +ve integer value. By mere logic it must ne integer.
- 19-Fill S1 cell with **LD** (LaDder) +ve integer value
- 20-Fill T1 cell with **TP** (TakeProfit) value in pipettes. Program will say it as a pipette, if you want 50 pips according to traditional concept, edit 500.

Where to save your csv file?

ans: under yourBroker pathname MQL4//**File** folder:



What will happen if you mis-spelled pair name, or write your name instead of pair correct name format??

look at the picture:

20- Equity-Alert Music System

Echo-Sytem (Skat's music alert for Lower/Upper user-equity thresholds) - 7 buttons



main concept: to alert trader if equity drop to lower-level-determined-by-trader or upper-level
assume your eq now is 1000 USD, and you want to be notified if equity pass 1200 USD or drop under 800 USD. This incorporated-expert help.



0- Be sure first that your PC speaker is **ON**

1- **Button #1** : is your account current equity.

---1-1: it is active-save button

---1-2: when you click on it will activate both D or U or deactivate them at the same time .

2- **button #2** to set lower equity level.

---2-1: use CWC or edit-CWC to set value

---2-2: if you choose equity greater than current equity, expert will set it at current equity.

---2-3: range for accepted values is shown in ToolTip. b/w 0 and current equity

3- **button #3** to set upper equity level.

---3-1: use CWC or edit-CWC to set value

---3-2: if you choose equity less than current equity, expert will set it at current equity.

---3-3: range for accepted values is shown in ToolTip. from current equity until 10 doubles of current equity.

4- **button #4**: "Y" button

---4-1: this is allow equity to increment up or down by 0.1% if current equity hit either level, upper or lower

---4-2: Green is activated "ON-status"

---4-3: it cancels button "N" and vice versa

---4-4: you will hear musicUpper or Lower only one time, then increment to new level and wait.

---4-5: the new level values will be shown under button #2 and #3

---4-6: you can consider it a **measure for your lowest and highest equity** during operating system

5- **button #5**: "N" button

---5-1: when equity reach upper or lower level you will hear repeated music for ever until user intervention or equity be below levels.

---5-2: the music for upper level is different from lower-level music

---5-3: it cancels button "Y" and vice versa

---5-4: if you design your own music, the file name must be:

-----5-4-1: for lower music "EquityDownMusic.wav"

-----5-4-2: for upper music "EquityUpMusic.wav" -- download zipped-file in attachemnt

-----5-4-3: this files must be saved under C:\... yourBrokerFile\ Sounds---look at this picture:

---5-4: N = "No" = No equity increment here.

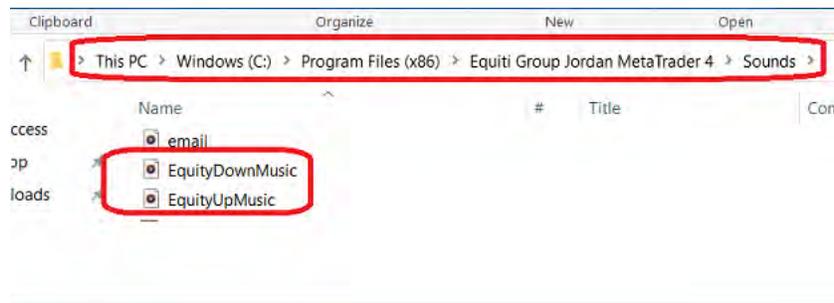
Attached File

 [UpperLowerEquitySounds.rar](#) 438 KB | 1 download

6- **Button #6** -to tune ON or OFF music for **lower** side

---6-1: RED: music ON

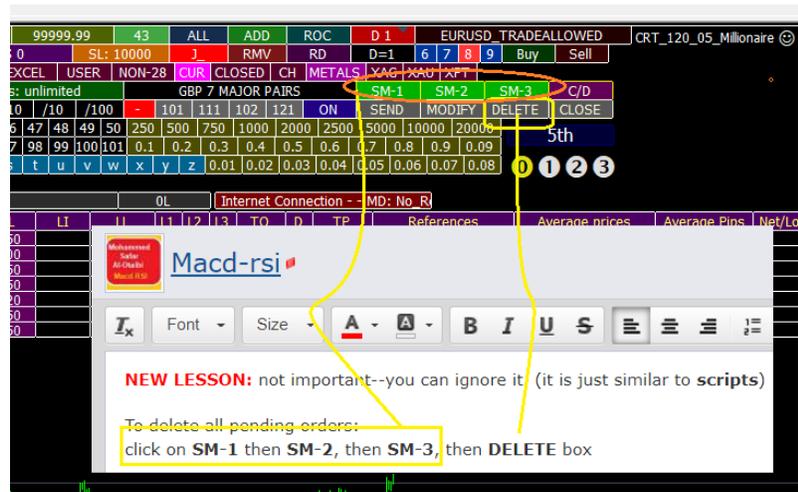
- 6-2: NON-RED: music OFF
- 6-3: D = Down
- 7- **Button #7** -to tune ON or OFF music for **upper** side
- 7-1: RED: music ON
- 7-2: NON-RED: music OFF
- 7-3: U = Up



21- Instruments Daily Range

22- Various Scripts: Close-Delete-Modify

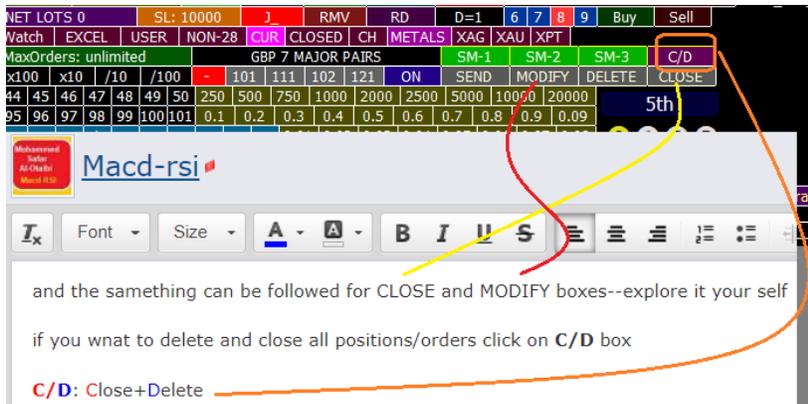
To delete all pending orders:
 click on **SM-1** then **SM-2**, then **SM-3**, then **DELETE** box



and the something can be followed for **CLOSE** and **MODIFY** boxes--explore it your self

if you want to delete and close all positions/orders click on **C/D** box

C/D: Close+Delete at the same time



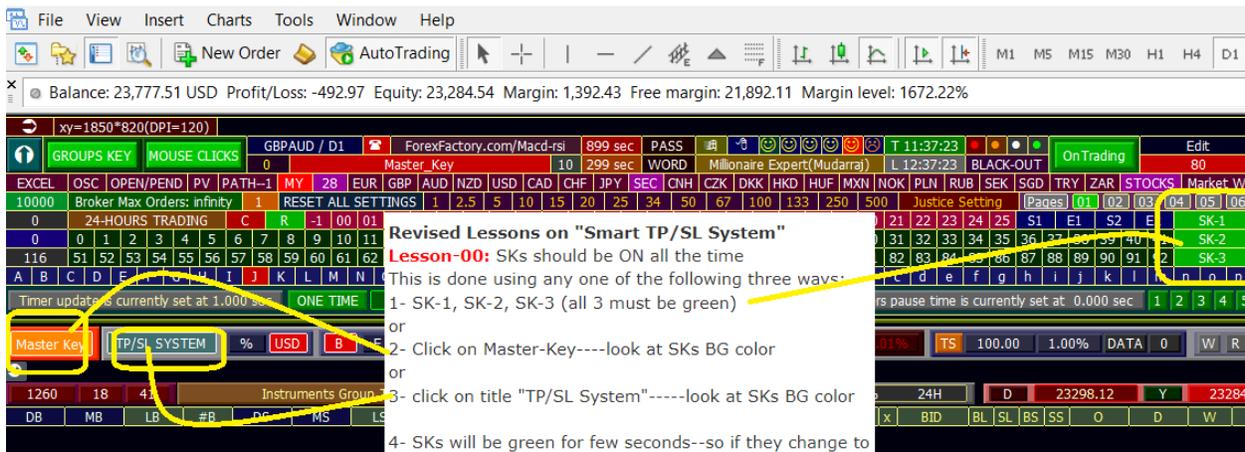
23- Smart TP/SL System



SKs should be ON for all steps

This is done using any one of the following three ways:

- 1- SK-1, SK-2, SK-3 (all 3 must be green)
- or
- 2- Click on Master-Key----look at SKs BG color
- or
- 3- click on title "TP/SL System"-----look at SKs BG color



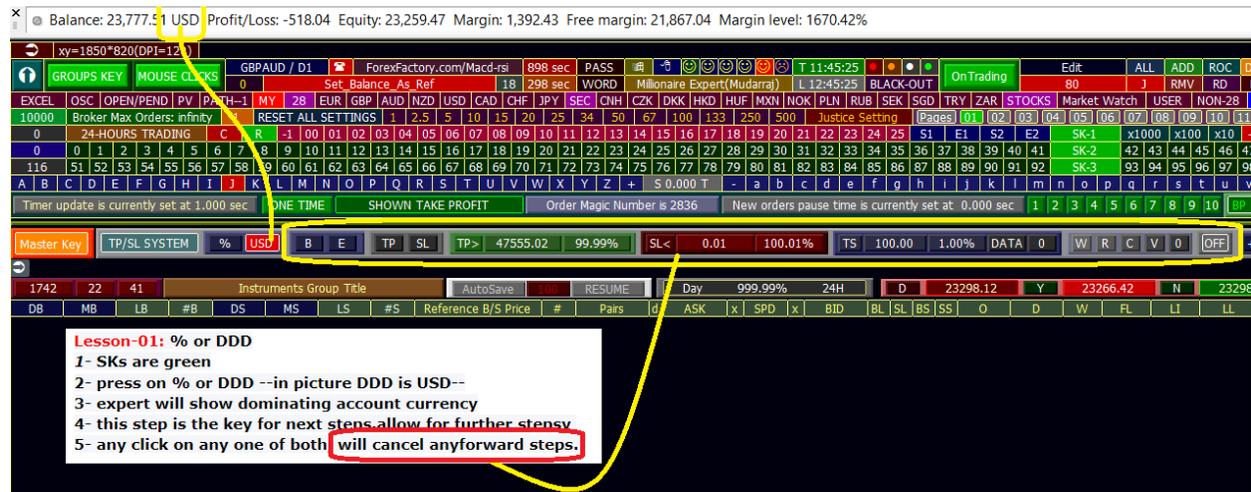
4- SKs will be green for few seconds--so if they change to OFF state before you finish setting, just do any one of above 3 steps to gain more seconds.

Remember: Any backward step will cancel any forward step

1) % or DDD (Denominating or Account Base Currency)

- 1- SKs are green
- 2- press on % or DDD --in picture DDD is USD--
- 3- expert will show dominating account currency

- 4- this step is the key for next steps.allow for further stepsy
- 5- any click on any one of both, will cancel anyforward steps.



6- RED BGColor indicates your selection

2) Lesson-02: TP and SL bases on Balance B or on Equity E ??

- 1- I used word "or" instead of "and" in the above title line
- 2- they are not concurrent, only both be OFF or one of them is On. activation of one cancel others. Reason: Common sense.
- 3- they are the key for the next steps
- 4-if you click on any previos steps buttons, immediatly deactivae these two buttons
- 5- any click on them deactivate any forward butoons.
- 6- always ON or OFF can not be done if SKs are not green.
- 7- click many times on B--notice what is happening, ON-OFF-ON-OFF-ON- but E always OFF
- 8- RED indicates ON



3) TP and SL

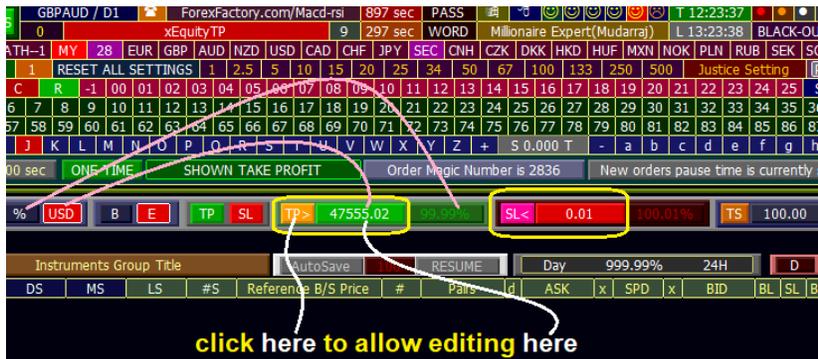
- 1- I used word "and" instead of "or" in the above title line

- 2- you can activate them both or one of them at the same time. Reason: Common sense.
- 3- they are the key for the next step
- 4-if you click on any previous steps buttons, immediately deactivate these two buttons
- 5- any click on them deactivate any forward buttons.
- 6- always ON or OFF can not be done if SKs are not green.
- 7- click many times on TP--notice what is happening, ON-OFF-ON-OFF-ON-
- 8- RED indicates ON
- 9- TP ON leads to TP> bar with different color
- 10- SL ON leads to SL> with different color



4) Editing TP and SL values

- 1- you already have memorized dummy value.
- 2- rules here are very strict, not anyone can easily change your setting.
- 3- you must click on TP> or SL> to be able later to set values, either (% or DDD---Any one is shining)--flashing = allow to change value
- 4-when you set %, the corresponding DDD value will be calculated accordingly, and vice versa. example, you choose B, TP, value of 10%, -- corresponding values is 11,000--you know in advance expert will close all positions if your equity reach 11,000
- 5- immediately flash will disappear if you change value of shining field.
- 6- in any step either forward or backward, flashing will be OFF.



- 7- on picture you can not click on % field what ever times you try.

5) Trailing Stop TS System

- 1- idle status, everything is Gray. Expert **TP/SL System** will work without using TS.
- 2- but if it is Orange, also expert TP/SL will work without TS. Orange you can only set TS values either DDD or %
- 3- if you click on TS button, it is color be RED. Also here TP/SL will work without TS.
- 4- But if TS is RED, and you click on value DDD or %, and its BGColor becomes GREEN, now TS

System is in service.

5- any click on TS buttons will cancel any forward steps.

6- main TS data will be shown in DATA tooltips passive button.

7-counter Button will count how many times TS is triggered.



8- in picture, even we edit 35%, but we may choose the corresponding value 8005.95 USD--

9- WHEN YOU SET %,DD will be calculated

10-but when you set DDD, then % will be calculated.

a) TS Counter

each time TS is triggered (SL jump by 250) -- the **TS counter** will increment by **1**



b) Trailing Stop Example

#Post 3122

exactly like traditional trailing step--**movements in quantum**

assume your balance = equity = 10,000 USD

you enter EURUSD 5 Lots, after setting TP/SL System including TS

You make StopLoss at 8,000 USD

and TakeProfit at 15,000

and you choose TS=250 USD

focus on **SL -- I MAKE IT RED**

Now:

SL=8000

TP=15000

TS=250

SL will move up in quantum(not with every 1 cent profit, but when profit reach 250 UD and its

multiples)

TP is constant all the time

when your equity reach $10000+TS = 10250$, --- **SL** will be 8250 instead of 8000
then no change in SL until another jump of 250 USD

when your equity reach $10250+TS = 10500$, --- **SL** will be 8500 instead of 8250 ---- but TP is still 15000
trailed by 250

later on when your equity reach $10500+TS = 10750$, --- **SL** will be 8750 instead of 8500 ---- but TP is still 15000

later on when your equity reach $10750+TS = 11000$, --- **SL** will be 9000 instead of 8750 ---- but TP is still 15000

later on when your equity reach $11000+TS = 11250$, --- **SL** will be 9250 instead of 9000 ---- but TP is still 15000

later on prices goes against you, untill equity drops to 9249.99 --- all your positions will be closed with a loss of 750 USD (UR ORIGINAL BALANCE IS 10,000)

6) Actions

1- there are 5 possible actions, trader can choose from them

2- **W**: when TP/SL System close all, **W**ait user action-- halt trading, but math and other parts will continue. only no entries untill user intervention.

3- **R**: **R**efresh automatic **R**estart, with new **R**eferenced prices at the time of closing all,. Old #B, #S, LB and LS, will be also ciphered. (set at void or zero values)

4- **C**: **C**ontinue normally as nothing happen except overall close. = do not do anything.

5- **V**: **R**EMOVE expert from the chart after TP/SL operates.

6- **0**: Set all variables to **zero**, deactivate all fire settings.

7- any click here will only deactivate forward button GO: ON:OFF



7) Lesson-07: GO button (Firing TP/SL Process)



1-when you see Orange OFF button, then click on it if all previous setting are activated, except for TS which is optional.

2- SKs are required either for ON case or even for OFF case.

3- ON state will flash Green/Red

8) CLOSE-MODES (Optional)

- 1- only need SKs for both ON-OFF,
- 2- not related to any previous step. since they are fire buttons but with save operations. no worries.
- 3- button with sign "+" to close orders with larger profits descendingly +ve.
- 4- button with sign "-" to close orders with greater losses descendingly -ve.
- 5- button "51" to close orders partially upon user set partial lot.
- 6- button with sign ">" to close orders with greater lots, but quantumly, descendingly.
- 7- button "x" to close orders normally. mt4 serial orders.
- 8- No one of them will be ON at the same time, only one.
- 9- "x" is the default.



Lopuch
suggestion

TOTAL EXPERT BLACK OUT

When any threshold limit has been hit, all orders closed/deleted every thing later will be automatically halted "blackout-state"

no math calc--no trading, no ability to click

but **all your setting** remain the same. when you click on 0x0 box to return from blackout.

after black out you will find:

1- halt state

2-clicks-lock state

remove the halt,'

remove clicks-lock

and do what you want to do

now please practice all

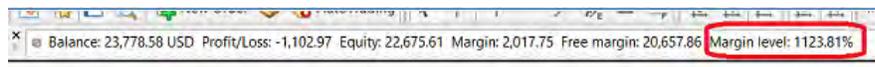
if possible open three demos on 3 terminals,,, choose near values, manually try 100 lot positions to hasten investigation process

do not behave in stupid way and wait 5 hours!

24- TP/SL Based Margin Level

1) Some of user Trading Math-Restrains On Trading-1: Margin Level (ML)

maziarb: I want to stop trading when margin level is below 300%, it is now 1123.81 % look at the picture;



mohamadmd: do the following steps:

- 1- All 3 SKs---->Green (you may use MaterKey)
- 2- click on BP button. and look at its content until you see "ML"



click [here](#) or [here](#) to change b/w 4 stats: BP, MB, ME, ML instead of BP

BP = ByPass = ignore any trading math restraints

3- ML is abbrev of MarginLevel.

4- to set your limit at 300, simply make SKs Green, then check that dummy is 300, then click on the box 13.

5- box 13 is dictated for ML.

SKs green----> edit 300---click on "13" box---now your ML = 300%

maziarb: I can conclude that when 13 button BgColor is **BLUE** -, mean: we choose ML restraint.

mohamadmd: YES, and there are 4 possible color for each button of "11", "12" or "13". and all three buttons follow the same rule in ON state or OFF state.

look at picture: 4 possible colors--first two just future indication of what will happen if you choose ML mode

but the most important blue and red

case one: mode is not ML : Green or Orange

	Margin level: 880.85%	>300 %	both two not related to OnLineTrading
	Margin level: 125.83%	<300%	

case one: mode is ML : Blue or Red

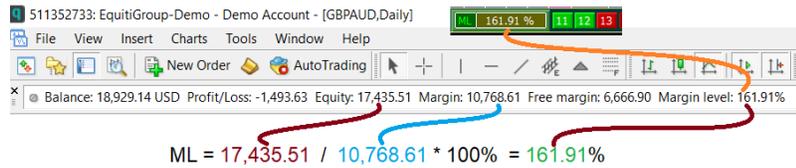
	Margin level: 875.01%	>300	OnLineTradin OK
	Margin level: 149.84%	< 300%	Stop OnLineTrading (restraint)

maziarb: you mean when "13" is red, no more positions will be opened even if all other conditions are satisfied

mohamadmd: Exactly, red-13 means current ML is below your threshold 300% **and that what you want.**

hint: $ML = EQUITY/MARGIN*100\%$ ---- opposite/reciprocal to ME that will be discussed later.

maziarb: YES, I prove it for my self, picture:
and it will be shown on ML Field button



2) Some of user Trading Math-Restrains On Trading-2: Margin/Equity %

Mostafakamel: i hate mt4 way, ML which is E/M----I feel the opposite M/E is more realistic. when i tell some one i risk 10%, he immediatly understand that, my margin is 10% of my current equity.

zreboo: also this option is aviable under button "12"

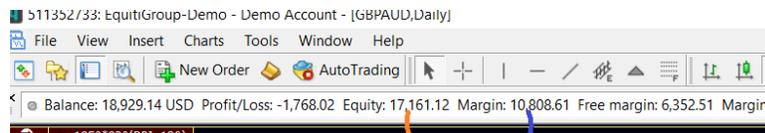
Be careful, by simple logic, the max possible value that our mind can imagine is 100% = FULL MARGIN

In realtime, this value can not be greater than 100% except when your free margin gets negative. follow the same steps in post 2952:

--1- select button ME---click on untill you see ME

--2- ME is abbrev of Margin/Equity (Margin divided by Equity * 100%)

--3- when your equity is 1,000 and you set **userME** at 1%, trading will stop when your margin is 10 USD (1% OF 1,000 USD)--BUTTON 12 WILL BE red.



$ME = \text{Margin} / \text{Equity} = 10,808.61 / 17,161.12 * 100\% = 62.80\%$



62.8 < 100
trading allowed
BLUE

USER-ME=100=FULL MARGIN

4- you had better to set value not greater than 5%, to sustain in this dangerous market and can breathe during hard murky times.

3) Some of user Trading Math-Restrains On Trading-2: Margin/Balance %

zreboo: and if you want to guage on balance-ny equity--use buton 11 "MB" which is $\text{Margin}/\text{Balance} * 100\%$

----- activation of ant state out of 4 cancel other three, you can not make them all ON at the same time

----- if you want to continue trading without any math-restrictions just select BP--ByPass math-Restrains

----- look at the picture, no restraints, but **we know in advance**, if we ,in **future**, select ME or ML, trading will be stopped--they are Orange---Orange: is **future** indication.



4) Macd's Tips to manage Margin

#Post 2958

Lopuch: Nice. it's already close to my trading style.

So. What I watch in my trading:

1. Profit/Loss current (the first place I look)
2. Margin level (when reached my predefined level - e.g. 500% - begin to close the highest losses)
3. Balance (yes, sometimes, when i will send money home from account, or when I want to please myself).
4. Equity (practically not).

Sum: when my acc. reach predefined (mentaly) margin level, i close highest loses until the margin level is acceptable to me. The other positions remain open, another new position can be opened. If I stopped trading when the margin level was too low, I would have to send new money to the account. This is not necessary, just accept a certain level of loss.

I hope you understand me.

Anyway, excellent work.

Macd:

yes i got your point
but expert only will lstop opening new positions.

wisdom say, give also ample time to close

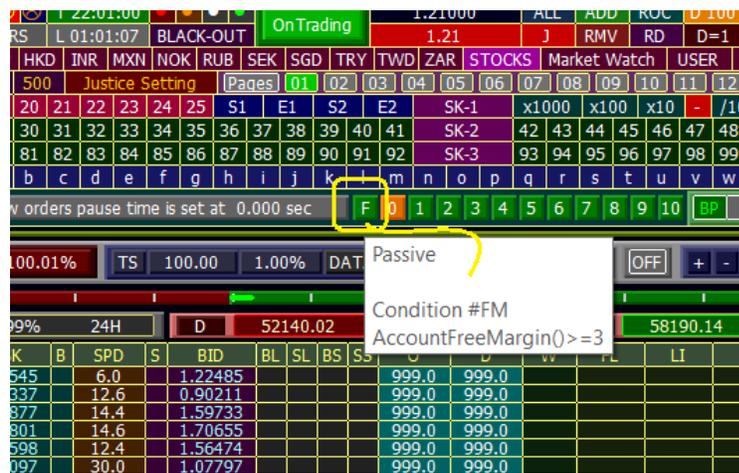
for example ML- **user Level is 1000%--stop trading**

then when **ML drop more to 750% close worst positions**, but msnulaly--since TP/SL System close all positions

5) F – Free Margin > 3USD

if free margin less than 3 USD ---

another condition indicator has been added. it will not affect trading
just an alarming indication



Green: free margin is positive (>3)

Red: free margin is negative (<3)

f

hint: we replace 0 by 3--since these things realized by heart.,

25- Small Scripts CP,DP,CD,DD,CDP,CDD

ons on specific pair (all BLs or SLs)
 n click on **P/L_USD** of that pair

ific direction (either BL or SL)
 click on box of that pair under column "Average Prices"
 n the second column box of that pair
 n the first column box of that pair

specific-pair- expert-quick-scripts

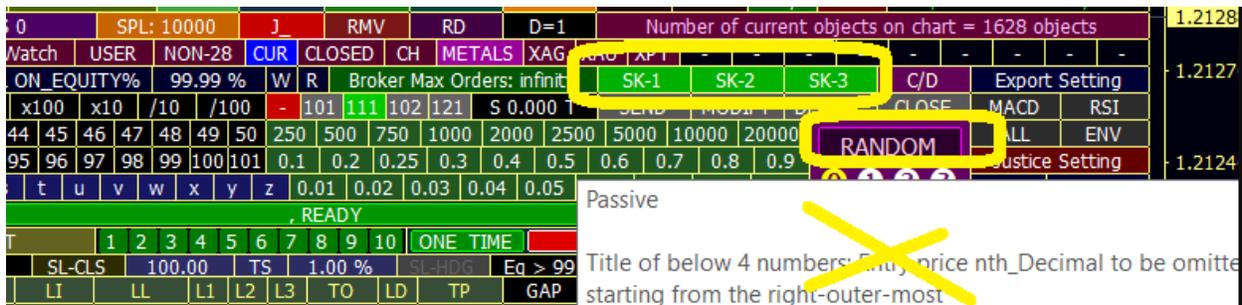
sorry there are small matter lift: about **expert-quick-scripts**

colors explain meaning: P=Pair---C=close-----1st D=Delete-----2nd D=Direction

- 1- I want to close all postions on specific pair (all BLS,SLs)
 -----answer---- click on **CP** box, then click on **P/L_USD** of that pair
- 2- I want to delete all postions on specific pair (all BLS,SLs)
 -----answer---- click on **DP** box, then click on **P/L_USD** of that pair
- 3- I want to close and delete all postions on specific pair (all BLs or SLs)
 -----answer---- click on **CDP** box, then click on **P/L_USD** of that pair
- 4- I want to close the postions on specific direction (either BL or SL)
 -----answer---- click on **CD** box, then click on box of that pair under column "**Average Prices**"
 ----- For Sell click on the second column box of that pair
 ----- For Buy click on the first column box of that pair
- 5- I want to delete the pending postions on specific direction (either BL or SL)
 -----answer---- click on **DD** box, then click on box of that pair under column "**Average Prices**"
 ----- For Sell click on the second column box of that pair
 ----- For Buy click on the first column box of that pair

26- RANDOM Entries for the 6 types

RANDOM box



The screenshot shows a trading software interface with a grid of buttons and data fields. A yellow box highlights the 'RANDOM' button, which is located in the bottom right area of the main grid. Other buttons visible include 'SK-1', 'SK-2', and 'SK-3'. The interface also displays various data fields such as 'SPL: 10000', 'J', 'RMV', 'RD', 'D=1', and 'Number of current objects on chart = 1628 objects'. The status bar at the bottom indicates 'Passive' and 'READY'.

i add for Swaddee beautiful box called RANDOM

here you need to test delete close etc.... so you need many orders open or pending to test on them

do you enter manually?
100 trades manually??
you can

of course you can not
do not worry it will ork on demo only, other expert boxes /demo/life

but randon on demo only

why randm?

- 1- it will enter a total order number with random value.
- 2- it will select pair randomly
- 3- entry price of pending orders will be random
- 4- lot of each order will be random
- 5- type of order will be random
- 6- everything is random

please all click as follows:

SK-1----SK-2---SK-3---RANDOM



Size	Symbol	Price	S / L	T / P	Price	Swap	Profit	Comment
0.03	usdmxn	19.98178	0.00000	0.00000	19.96040	0.00	-3.21 X	RANDOM-20
0.09	usdmxn	19.98178	0.00000	0.00000	19.96040	0.00	-9.64 X	RANDOM-23
0.36	usoiroll	45.080	0.000	0.000	45.007	0.00	-26.28 X	RANDOM-26
0.13	eurcad	1.56799	0.00000	0.00000	1.56795	0.00	-0.40 X	RANDOM-33
0.17	eurusd	1.21244	0.00000	0.00000	1.21330	0.00	14.62 X	0
0.39	eurusd	1.21199	0.00000	0.00000	1.21330	0.00	51.09 X	0

16 Margin: 3,473.35 Free margin: 13,388.81 Margin level: 485.47% -1,74...

EURCAD #23434637

27- RANON Entries for Market types only

28- Reference Prices

1) Set Reference on CURRENT Market (Ask/Bid) Prices

LS	#S	Reference B/S Price	Pairs	As		
		104.044	104.043	1	USDJPY	104
0.15	10	125.965	125.961	2	EURJPY	126
0.07	6	138.968	138.960	3	GBPJPY	138
		77.175	77.173	4	AUDJPY	77.
		73.181	73.176	5	NZDJPY	73.
		81.299	81.295	6	CADJPY	81.
		116.759	116.751	7	CHFJPY	116

REFERENCE Box refers to two columns shown in picture below. By clicking on the Reference price twice, it will show ALL the current market (Ask/Bid) Prices of all the pairs

Buy orders reference from (Left Column-Ask) Price

Sell orders reference from (Left Column-Ask) Price

Example if O=D=25 pips, (assuming BL,SL or BS,SS is activated)

If price goes below the Left REFERENCE Box column by 25pips, 1 **Buy** order will be placed

If price goes above the Right REFERENCE Box column by 25pips, 1 **Sell** order will be placed

Tip 1: If you do not want to populate all pairs (more reference prices, more computing power required), you can select only pairs you want to set your Reference Prices

Tip 2: If you want to change only the reference price of 1 of the pairs either (Buy or Sell). Clicking on the pair will auto populate only the Reference Sell Price, based on the current Bid Price (same as Bid Price column). See below.

Reference B/S Price	Pairs	ASK	SPD	BID
104.044	1 USDJPY	104.056	0.0	104.056
125.965	2 EURJPY	126.070	0.3	126.067
138.968	3 GBPJPY	138.941	0.7	138.934
77.175	4 AUDJPY	77.280	0.4	77.276
73.181	5 NZDJPY	73.266	0.5	73.261
81.299	6 CADJPY	81.372	0.5	81.367
116.759	7 CHFJPY	116.805	0.8	116.797

2) Set Reference Prices on Bar - Future

Timing based on: **Terminal** or **Local** selected by user

Timeframe: **H1 only**

Intention: To set a future price which I want to set my reference price (only Hour)

Example: I want to set my reference price based on Europe Opening hours later

Action: **Select R** -> XX(hour) based on Terminal or Local Timing

3) Set Reference Prices on Bar - CURRENT Bar

Reference B/S Price	Pairs	ASK	SPD	BID
104.044	1 USDJPY	104.078	0.0	104.078
125.965	2 EURJPY	126.093	0.1	126.092
138.968	3 GBPJPY	138.949	0.7	138.942
77.175	4 AUDJPY	77.277	0.3	77.274
73.181	5 NZDJPY	73.266	0.6	73.260
81.299	6 CADJPY	81.385	0.3	81.382
116.759	7 CHFJPY	116.829	1.0	116.819

Set reference prices based on OPEN price of current Bar's Timeframe (where EA is placed in)

Assume you apply expert now, time now is 11:33 AM.

But you want to reference at prices at the opening of current candle (depend on expert chart time frame) - say it is **H4**-time frame

Assume Candle opens at **08:00, 12:00, 16:00** etc

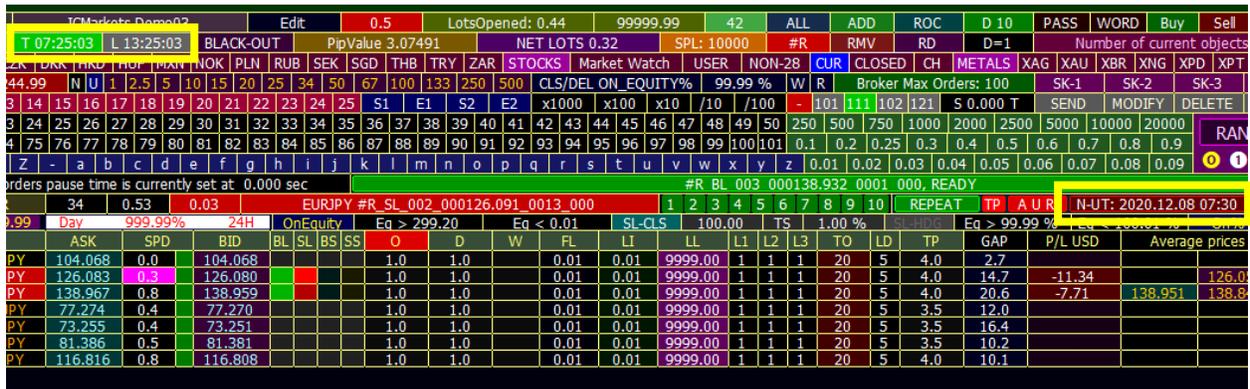
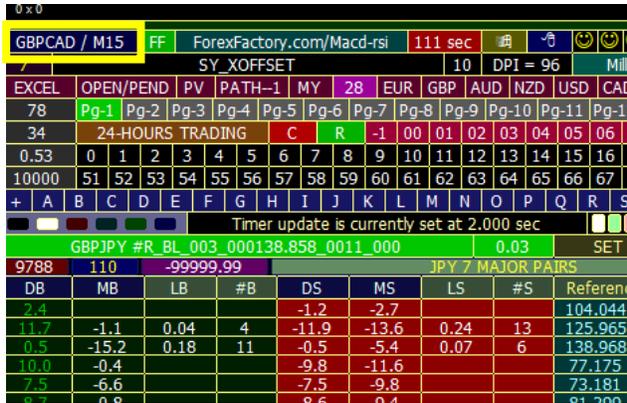
If Current time of 11:33, it will **reference the opening price of bar at 08:00 H4 candle.**

you know the difference b/w 08:00 prices and now 11:33 may be huge. you may like that!

4) Set Reference Prices on NEXT Bar

N-UT: Next Automatic Update of Reference Values (For REPEAT option only)

Set reference prices automatically based on **NEXT OPEN** price Bar's Timeframe (where EA is placed in)



Current Timeframe: M15

Terminal Time (Active): T 07:25:03

N-UT (AUR Red – Active): 2020.12.08 07:30

At **07:30**, the Reference B/S Price will automatically update all prices based on the next opening price of the M15 Bar

5) Set Reference Prices on Previous bars - Vietnamese Box

Timing based on: Terminal only

Timeframe: Depends on current Timeframe your expert is in (M1 -> Monthly)



and since i add **string** characteristics to edit field, it is possible to **edit** specific **pair name** and attached to dashboard instead of any pair immediately



Vitenamce Ref System is build on high degree of safety:

1- if you enter time out side of bars time (time of sundays for example) -- expert strictly will discover it and reject it.

2- to set timer--you must know correct time format "yyyy.mm.dd hh:mm"

----- dot "." b/w first three parameters and "" symbol b/w last two elements

----- do not forge tspace" " b/w them

year then dot then **month** then dot then **day** then **single space** then **hours** then **minutes**

3- for safety and not east to change time later, by false click, you must use SK1,SK2,SK3 then clock on box

4- if you do, now you can reference price but also on high degree of safety:

-----a- first SK-1

-----b- you have to click on VietnameseBox, 4 times to enfore refPrice to be modified to opening of you selected time.

5- you are now free of H1 frame, if you set ExpertChart for example to M5, then it will take the openings based on M5.

Example you edit "2020.12.09 07: **33**" -- it will take opening of "2020.12.09 07: **30**"
33 is part of 30 in M5.

6- before doing any thing choose first - say MY groups - and observe rePrice

7- it is your high responsibility to validate if things are working properly or not. I do it for you, therefore I expect to pay high attention, if possible devote some hours to check.

8- please after counter 3 and refPrices changed---observe row of TRADING-HOURS---does RefHour box is colored with your hour in your selectedTime???? or not.

for example; you choose "2020.12.09 **07**: 33" -- does box Hour_7 , "**07**", is **GREEN**??

Intention: To set a past price which you want to set my reference price but I cannot use "Set Reference Prices on Bar" (since it only gives Bar0 price), this allow me to set prices based on previous bars

#Post 2344

sacredragon

Hi I am referring to the Vietnamese Box testing.

Let me try to illustrate it so that I understand better.

Current Date: 2020.12.09

Current Time: T19: **01:24** (in picture)

Current Timeframe: M5

Old version > Allows us to set current OPEN price based on current timeframe M5 by clicking on "SET REFERENCE PRICES ON BAR" box at 19: **00:00**

New version > Aim to allow us to set OPEN price based on current timeframe M5 but few (M5) bars/candle ago by clicking on the Vietnamese Box.

Example: I want to set 1 bar ago based on M5 > retrieve OPEN price of M5 1 bar ago at 18: **55:00**. Any timings from "2020.12.09 18: **55** to 2020.12.09 18: **59**" will give us the OPEN price of M5 1 bar ago.

If what I understand was correct, I have tested using the following steps but have been unsuccessful, do correct me if I am doing it wrongly.

Observe -> Current Reference B/S Prices

SK1,2,3 -> Vietnamese Box

Edit -> key in 2020.12.09 **18:55**

Sk1 -> Click Vietnamese Box 4 times

SK1,2,3 -> Vietnamese Box to display timings "2020.12.09 **18:55**"

My observations:

1) Reference B/S Price disappears

2) R Timing does not show

3) Can I confirm timing that we key into "yyyy.mm.dd hh.mm" corresponds to T and L timings?

Propose:

1) Is it possible to include the timing of the Current Reference B/S Price as well, so that we know what date/time the Reference B/S Price was taken from.

#Post 3408

Macd-RSI

Quote

Old version > Allows us to set current OPEN price based on current timeframe M5 by clicking on "SET REFERENCE PRICES ON BAR" box at 19: **00:00**

true, "SET_REF ON BAR" on candle **#0, last** candle,
you named it "**current**" -- and that also true

Quote

New version > Aim to allow us to set OPEN price based on current timeframe M5 but few (M5) bars/ candle ago by clicking on the Vietnamese Box.

true

plus more task: it will set trading hour for coming days, at the hour which is part of vietnameTimer.
2020.12.01 **09.08**

at that day "pats or first time" prices were at 2020.12.01 09. **05**-----past
but coming days if new human intervene, REF_HOUR = 09:00 ---- box "9" will be Green-----future

Quote

Example: I want to set 1 bar ago based on M5 > retrieve OPEN price of M5 1 bar ago at 18: **55:00**.

Any timings from "2020.12.09 18: **55** to 2020.12.09 18: **59**" will give us the OPEN price of M5 1 bar ago.

exactly

Quote

Observe -> Current Reference B/S Prices

SK1,2,3 -> Vietnamese Box

Edit -> key in 2020.12.09 **18:55**

Sk1 -> Click Vietnamese Box 4 times

SK1,2,3 -> Vietnamese Box to display timings "2020.12.09 **18:55**"

yes , it must not change refPrice. thanhalove speak about it.

Reason: you choose future value--- future time without bar (bar not created yet on chart). this box is built on existing bars

assume you select bar of sunday time! alsu refPrice must not change.

if changed there is a problem in the code==== mismatch b/w what we have said here and how things aer running.

Quote

Propose:

1) Is it possible to include the timing of the Current Reference B/S Price as well, so that we know what date/time the Reference B/S Price was taken from.

great propose

will be added on vietnamese box, so this box show last refProcess time.

realy it is great idea.

very great.

thank you.

if you were programmer, iam sure you will do things much better

Quote

3) Can I confirming timing that we key into "yyyy.mm.dd hh.mm" corresponds to T and L timings?

since we take bars, and bars belong to broker, and broker is the owner 😊 of the terminal, here no choice.

but from math veipoint and then fron programming point of veiw, conversion is easy b/w local and

Tremibal.

assume you apply vietnamese box. bar deal with Terminal time.
But you choice is Local Time. then in this case program know all this facts and do conversion.

assume thanhalove local time is 19:00 while terminal is 12:00
and he always choose "L ---- Local"
and edit 2020.12.10 12:12 ---- program can see it as thnhalove intention -- as a local time, then
convert it inetrenaly to terminal time,
this is possiblem but may pose some confusion!

better solution is that immediatly when select Vietnamese system-- **program enforce every thing to be on terminal mode.**

a) Coordination of Ref Timers (synchronization)

now vietnamses timer is synchronized with any other ref method

activating one method to **de**-activate others

also timeFormat

you can use yyyy -- result will be the current time moment for example "2020.12.10 22.34"

you can use yyyy.mm -- the result will be the start of the month

if you edit 2020.09 -- result: 2020.09.**01 00:00:00**

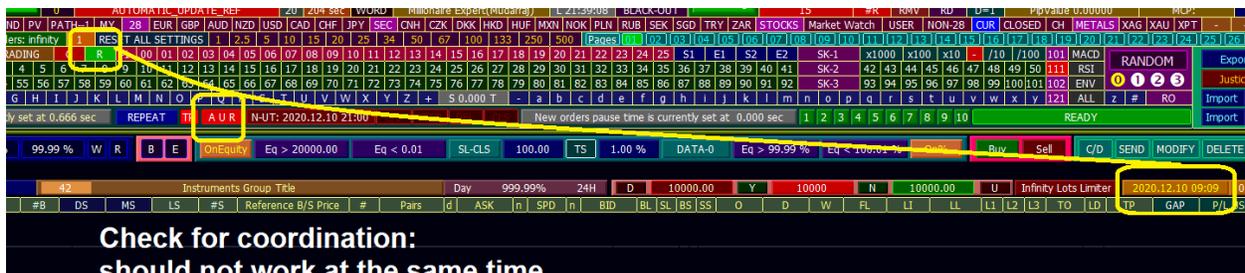
also you can use format yyyy.mm.dd

for example you edit 2020.12.07 --- result: 2020.12.07 **00:00**

if you edit any wrong valued for example "7" or "T#9879-98FsU" or "98457" -- the result will be the start of current date

For example you edit T677YX677 then clicked on SK-1,SK-2, SK-3 then Viet box, the result will be **2020.12.10 00:00:00**

today is 2020.12.10



6) Set User Reference Price

button p has been added

Quoting ENG.yahia

excuse me is it possible to add user reference price example set ref buy for EURUSD at specific price 1.2100

done

now through CWC, after special price key p , you can set your price>



if **p** is red: your price

if not red: what we have been used to.

29- Trading Online with three modes:

1) ONE-TIME mode

- Shown TP
- Hidden TP

2) REPETION mode

- Shown TP--Non-Referencing
- REPETION mode--- Hidden TP--Non-Referencing
- REPETION mode--- Shown TP--AUTO-Referencing with 4 options
- REPETION mode--- Hidden TP--AUTO-Referencing with 4 options

3) Ref Hour R and Repetition Mode

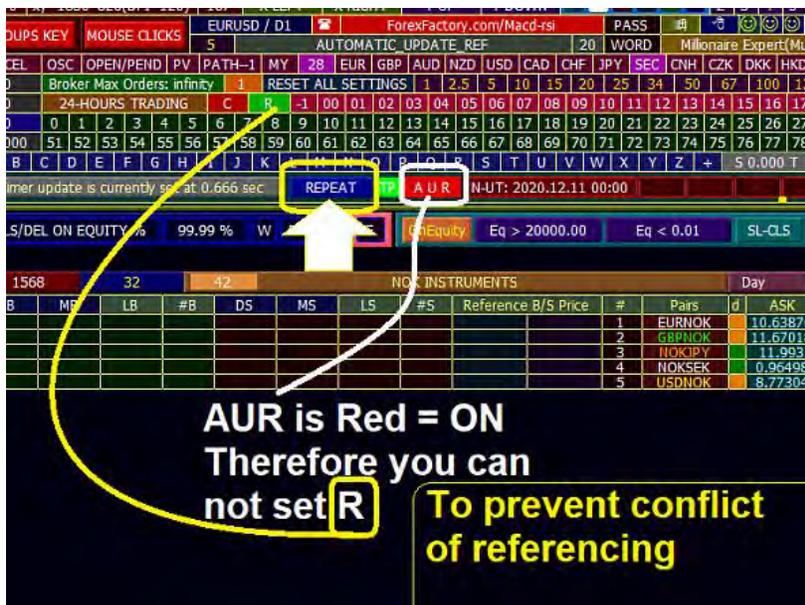
Ref Hour R and REPETION MODE

If you set R at specific hour let us say 13:00,
then you are trading using REPETION MODE:

1-- if AUR is OFF, then no change to R-Hour

2-- but if AUR is ON "RED" -- expert will immediatly reject your R-Hour

if you try to set R agin, you can not. expert **reject** always



30- Off-Line Orders

“Placing non-hidden Pending Orders”

Placing all Orders based on Script (NOT EA), EA do not be turned on for this method of placing orders, but broker is able to see all your pending orders.

Test: do the following steps in sequence:

- 1- Click on **SPARAM**--to be RED
- 2- Click on **EUR**---RED
- 3- Click on "**100** Orange"
- 4- Click on "**PAIRS**"
- 5- Click on ReadyMadeDummy "**8**"
- 6- Click on "**TO**--- Now all total orders will be 8
- 9- Click on ReadyMadeDummy "**2**"
- 10- Click on Ladder **D** -- Now D=2 for all
- 11- Click on "**SL**" to **deactivate** SellLimit orders
- 12- Click on **SM-1** -- to be Green box
- 13- Click on **SM-2** -- to be Green box
- 14- Click on **SM-3** -- to be Green box
- 15- Click on "**SEND**"

DB	MB	LB	#B	DS	MS	LS	#S	GAP	P/L USD	PAIRS	BUY	SELL	SPD	ASK	SL	SS	NO ORDERS	W	FL	LS	U	L	D	TO	D	TP	References	Average
1	EURUSD	1.18334	1.7	1.18311			100.0	100.0	0.01	0.01	100.00	11	1	1	8	100.0												
2	EURUSD	0.89227	2.5	0.89252			100.0	100.0	0.01	0.01	100.00	11	1	8	100.0													
3	EURAUD	1.62445	2.5	1.62470			100.0	100.0	0.01	0.01	100.00	11	1	8	100.0													
4	EURNZD	0.72152	2.5	0.72188			100.0	100.0	0.01	0.01	100.00	11	1	8	100.0													
5	EURCAD	1.52866	2.5	1.52903			100.0	100.0	0.01	0.01	100.00	11	1	8	100.0													
6	EURCHF	1.07912	2.5	1.07944			100.0	100.0	0.01	0.01	100.00	11	1	8	100.0													
7	EURJPY	124.185	2.4	124.259			100.0	100.0	0.01	0.01	100.00	11	1	8	100.0													

Test: do the following steps in sequence:

- 1- Click on **SPARAM**--to be RED
- 2- Click on **EUR**---RED
- 3- Click on "**100** Orange"
- 4- Click on "**PAIRS**"
- 5- Click on ReadyMadeDummy "**8**"
- 6- Click on "**TO**--- Now all total orders will be 8
- 9- Click on ReadyMadeDummy "**2**"
- 10- Click on Ladder **D** -- Now D=2 for all
- 11- Click on "**SL**" to **deactivate** SellLimit orders
- 12- Click on **SM-1** -- to be Green box

- 13- Click on **SM-2** -- to be Green box
- 14- Click on **SM-3** -- to be Green box
- 15- Click on "**SEND**"

SEND-28P-SL-SS O=D=5,FL=0.05-101-TP250

OFF-LINE-ORDERS

Only SELL POISTIONS (SS+SL) WITHOUT TECHNICAL THINKING FOR ALL 28 PAIRS

3	AUDUSD	0.76049	1.7	0.76032				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
4	NZDUSD	0.71273	2.3	0.71250				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
5	USDCAD	1.27624	2.2	1.27602				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
6	USDCHF	0.88306	2.1	0.88285				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
7	USDJPY	103.466	1.6	103.450				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
8	EURGBP	0.90660	2.3	0.90637				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
9	EURAUD	1.61184	2.8	1.61156				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
10	GBPAUD	1.77824	5.7	1.77767				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
11	AUDCAD	0.97048	2.5	0.97023				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
12	AUDCHF	0.67154	2.6	0.67128				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
13	EURJPY	126.806	2.2	126.784				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
14	GBPJPY	139.889	2.9	139.860				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
15	NZDCAD	0.90951	2.8	0.90923				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
16	NZDCHF	0.62945	4.7	0.62898				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
17	EURCAD	1.56411	3.6	1.56375				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
18	GBPCAD	1.72548	4.7	1.72501				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
19	AUDNZD	1.06720	2.6	1.06694				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
20	CADCHF	0.69204	2.9	0.69175				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
21	EURCHF	1.08225	2.8	1.08197				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
22	GBPCHF	1.19391	4.0	1.19351				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
23	AUDJPY	78.683	2.5	78.658				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
24	NZDJPY	73.739	2.5	73.714				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
25	CADJPY	81.087	2.4	81.063				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
26	CHFJPY	117.192	3.4	117.158				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
27	EURNZD	1.71995	3.2	1.71963				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
28	GBPNZD	1.89742	4.6	1.89696				5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0

- if price goes **up**, find **sell-limit**
- if price goes **down**, find **sell-stop**

31- Trading Hours Allowed

T 12:16:32	L 18:16:32
------------	------------

T = Broker Terminal Time

L = PC Local Time

1) How to set time for Expert trading

Lastest Update:

#Post 2484

Trading Hours 34 buttons

- 1- you can choose trading for the whole day. It is the expert default setting.
- 2- if you click on button "**24-Hours Trading**" -- trading is permitted for the whole day.
- 2--1-- This box will cancel any specific trading period setting.
- 2--2-- It will not affect R-hour or C-hour

24-HOURS TRADING	C	R	-1	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	S1	E1	S2	E2
------------------	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

trading hours 34 buttons

- 3- Out-of-trading hours will be in gray color with more dark-gray text color
- 4- Allowed-trading hours will be in redish-purple color "crimson-color"
- 5- R-hour original color is Lime, with white text. like this 09, out-of-trading-hours
- if R-hour within the allowed-trading hours, Lime box with dark Green text, like this 09

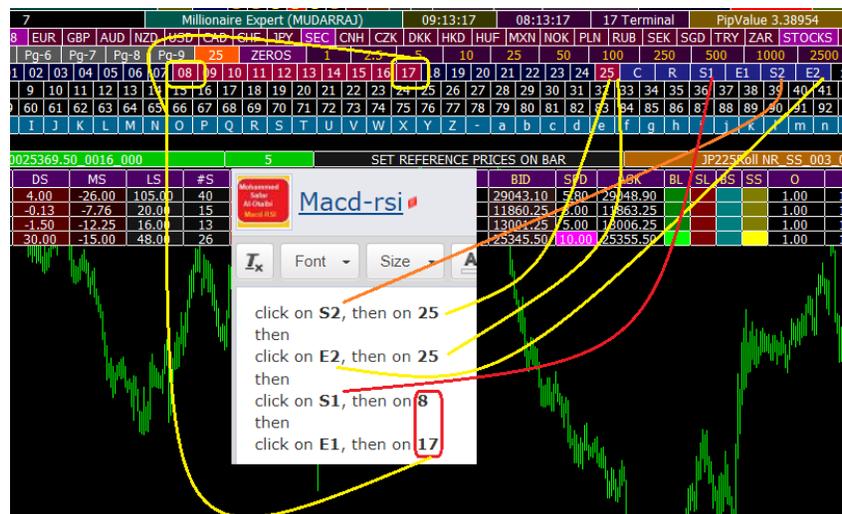
- 6- C-hour original color is Red with white text. like this 09, out-of-trading-hours -if C-hour within the allowed-trading hours, Red box with dark Red text, like this 09
- 7- if C-hour is the same as R-hour, out-of-trading-hours, box color is magenta color, with white text. like case shown on picture 22
- 8- if C-hour is the same as R-hour, within allowed-trading-hours priod, box color is white color, with blue text. look at this picture:



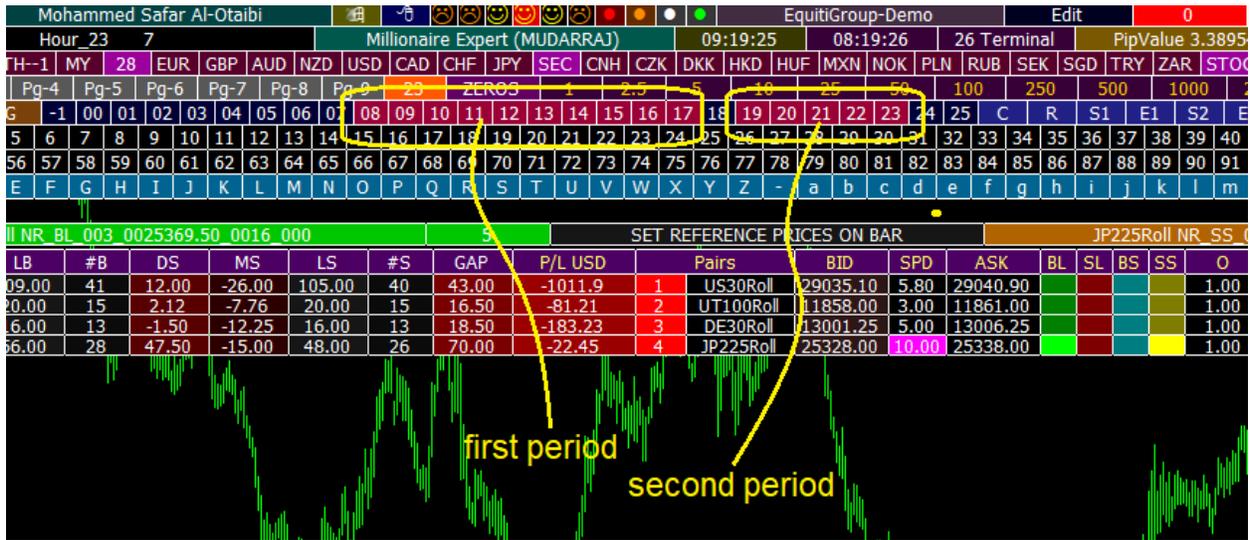
- 9- no more, only 8 possible cases
- 10- if C-hour is the same as R-hour, expert will close first then reference. the whole process may take 30 seconds of you have around 100 open positions.
- 11- in C-hour, no pending orders will be deleted.
- 12- you have the ability to determine 2 periods for a single day.
 - 12-1: first period: from S1-hour to E1-hour.
 - 12-2: second period: from S2-hour to E2-hour
 - 12-3: **S** is **S**tart, **E** is **E**nd.
 - 12-4: if you want to cancel sepefic period, set both S and E at -1 or 25, if S2=-1, make also E2=-1
 - 12-5: the two periods may overlap at some hours, try to avoid unnecessary overlapping.
 - 12-6: if you want S today and E next day, say trading from 22:00 to 04:00 next day, make S1=22, E1=**25**, S2=-**1** or 0, E2=04
 - 12-7: E1 and E2 are **exclusive** not inclusive buttons, for example when you set E1 at 21:00, that mean trading stop at 21:00:00 not at 21:59:59
- 13: to set any hour-value, click first on appropriate key, then click on that hour button.
 - 13-1: to set S1 at 09:00, click first on S1, bright blue, then click on 09,
 - 13-2: to set E1 at 13:00, click first on E1, bright blue, then click on 13,
 - 13-3: to set S2 at 16:00, click first on S2, bright blue, then click on 16,
 - 13-4: to set E2 at 21:00, click first on E2, bright blue, then click on 21,
 - 13-5: to set C at 23:00, click first on C, bright red, then click on 23,
 - 13-6: to set R at 06:00, click first on R, bright green, then click on 06,
- 14- that is all. Do I miss anything!

a) Normal – Single period

Allow trading for some period of time during the day, say: b/w **08:00 to 17:00 ??**



The period b/w 08 and 17 will be brown colors--other are black colors-- now trading is allowed in this period 08.00-->17:00 during the day.



b) Double – 2 periods

there is a possibility for second trading period -- S2---E2 do this

follow the same procedure:

click on **S2**, then on **19**

then

click on **E2**, then on **23**

second period will be b/w 19:00 and 23:00

c) Whole Day trading (Default)

Whole Day trading:

if you to allow trading for the whole day--default

click on S1 then -1 then E1 then 25

that mean allow trading b/w hour -1 to hour 25 (out of mind)

or

click on S2 then -1 then E2 then 25

d) Next Day trading (Overnight)

#Post 1071

Sawadee: How to set timer for the trading period of 21:00 to 04:00 +1 (night day)

#Post 1073

f) Close Hour

9,976.51 USD Profit/Loss: -8,379.54 Equity: 51,596.97 Margin: 9,474.72 Free margin: 42,122.25 Margin level: 544.58%

Mohammed Safar Al-Otaibi EquitiGroup-Demo Edit

Hour_05 7 Millionaire Expert (MUDARRAJ) 09:27:10 08:27:10 10 Terminal PipValue

PATH--1 MY 28 EUR GBP AUD NZD USD CAD CHF JPY SEC CNH CZK DKK HKD HUF MXN NOK PLN RUB SEK SGD TRY ZA

Pg-1 Pg-2 Pg-3 Pg-4 Pg-5 Pg-6 Pg-7 Pg-8 Pg-9 Pg-10 Pg-11 Pg-12 Pg-13 Pg-14 Pg-15 Pg-16 Pg-17 Pg-18 Pg-19 Pg-20 Pg-21 Pg-22 Pg-23 Pg-24 Pg-25 Pg-26 Pg-27 Pg-28 Pg-29 Pg-30 Pg-31 Pg-32 Pg-33 Pg-34 Pg-35 Pg-36 Pg-37 Pg-38

DING -1 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

5 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89

D E F G H I - a b c d e f g h i j k

Macd-rsi

if due to some reason you want to close all positions at some specific hour, simply click on C box then click on 5 box.

close hour is red

if due to some reason you want to **close all positions at some specific hour**, let us say **05:00** and start over again, simply click on **C** box then click on **5** box.

g) Cancel Operation

if you change R and C to suitable day hours and now you want to cancel the operation---just click on letter then on **"-1"** or **"25"** since your PC or terminal will never hour called minus 1 or 25 ??? !

h) 24-HOURS TRADING box

Pg-1 Pg-2 Pg-3 Pg-4 Pg-5 Pg-6 Pg-7 Pg-8 Pg-9 Pg-10 Pg-11 Pg-12 Pg-13 Pg-14 Pg-15 Pg-16 Pg-17 Pg-18 Pg-19 Pg-20 Pg-21 Pg-22 Pg-23 Pg-24 Pg-25 Pg-26 Pg-27 Pg-28 Pg-29 Pg-30 Pg-31 Pg-32 Pg-33 Pg-34 Pg-35 Pg-36 Pg-37 Pg-38 Pg-39 Pg-40

24-HOURS TRADING 01 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79

Macd-rsi

NEXT LESSON:
24-HOURS-TRADING box
 iam is to allow trading for 24 hours, cancel S1,S2,E1,E2 values,
 unfortunately i forget to add live to this box-- **this minor error** will be
 now if you click on it, nothing will change.

24-HOURS-TRADING box

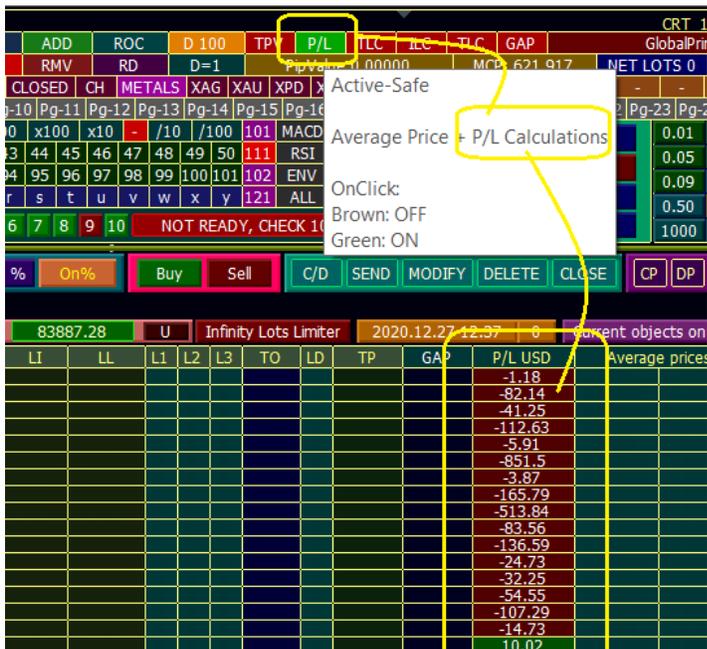
iam is to allow trading for 24 hours, cancel S1,S2,E1,E2 values,

32- Forex Basic Math Rules

33- Mathematical Calculation Boxes



1) P/L



avgP box: Show values on P/_USD Columns.

Reason: may make expert a little bit slower if ON.

Recommendation: use it when necessary.

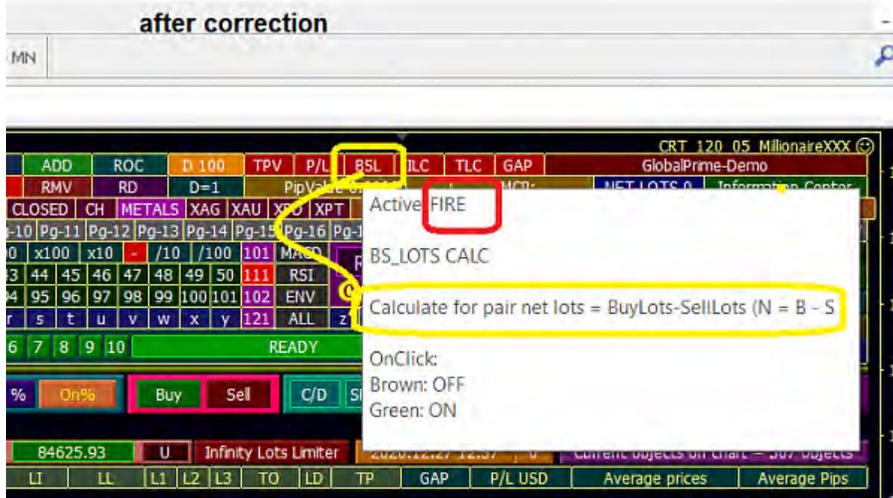
ME: I use it all the time.

Feature: if you deactivate, the last values before deactivation will remain in the column.

Hints: Box title will be changed from avgP to P/L.

current version:

2) BSL - Buy-Sell Lots (Active-Fire)



BSL box: Calculate the net lots for each pair on the dashboard. (**FIRE** box)

Reason: may make expert a little bit slower if ON.

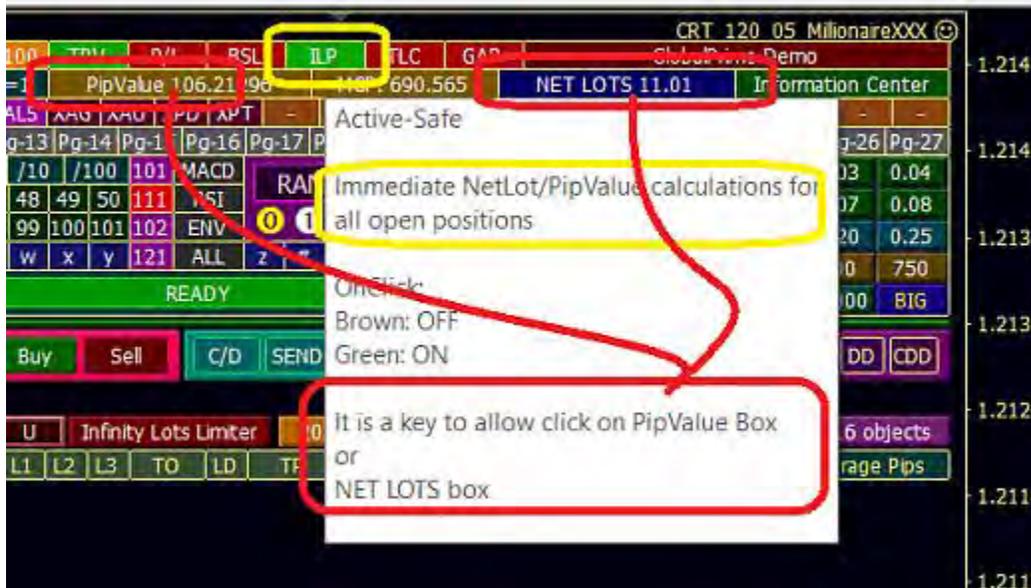
Recommendation: use it when you understand its role.

ME: I use it sometimes.

Feature: assume your free margin is negative, and you have 5 lots buy on EURUSD, and now a new SELL entry. what should the expert do? depends on you, since you can hedge EURUSD up to 5 lots SELL, you can enter SELL even if margin is negative or most of the brokers.

Hints: Box title will be changed from **TLC** to **BSL**. + it is fire box. fire = related to online trading

3) ILP – Immediate NetLot and PipValue Calculations



ILP box: it is a script, not expert. calculate all account netLots and total pipValue upon request.

Reason: may make expert a little bit slower if ON.

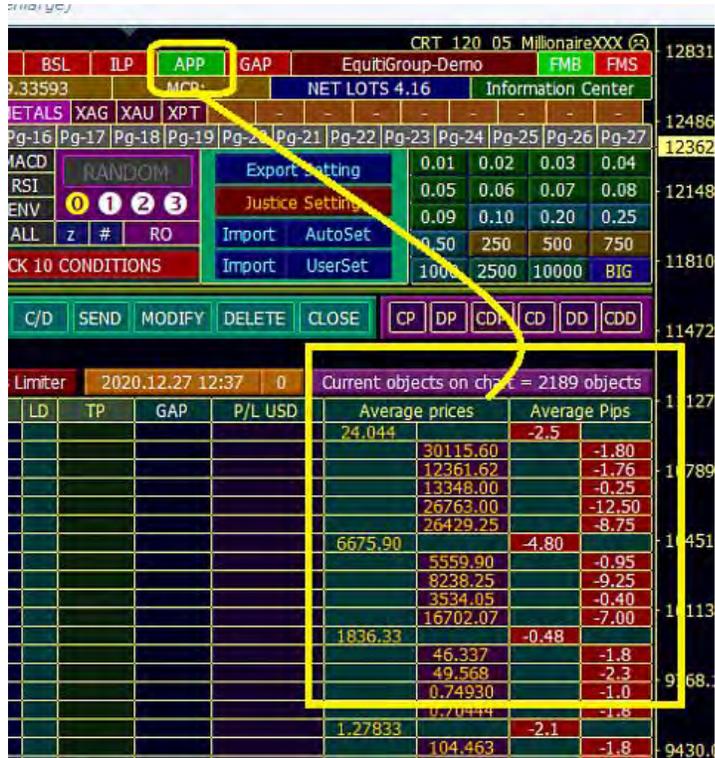
Recommendation: No recommendation, it is just a script.

ME: I use it upon my desire.

Feature: none.

Hints: Box title will be changed from **ILC** to **ILP**.

4) APP – Average Prices/ Pips



LD	TP	GAP	P/L USD	Average prices	Average Pips
				24.044	-2.5
				30115.60	-1.80
				12361.62	-1.76
				13348.00	-0.25
				26763.00	-12.50
				26429.25	-8.75
				6675.90	-4.80
				5559.90	-0.95
				8238.25	-9.25
				3534.05	-0.40
				16702.07	-7.00
				1836.33	-0.48
				46.337	-1.8
				49.568	-2.3
				0.74930	-1.0
				0.70444	-1.8
				1.27833	-2.1
				104.463	-1.8

APP box: calculate for average prices in both directions separately, and calculate profit or loss in pips for each pair on dashboard.

Reason: may make expert a little bit slower if ON.

Recommendation: upto you--it is not affecting online trading in any way. it is just a calculation.

ME: I use it sometimes especially under "SHOW_ALL" box.

Feature: knowing average prices for huge number of orders, make your trading conception better.

Hints: Box title will be changed from **TLC** to **APP**.

5) GAP



GAP box: Show difference b/w MS and MB, which is actually the extreme range since your last click on any one of referencing prices boxes, or auto referencing.

Reason: may make expert a little bit slower if ON.

Recommendation: no recommendation, you decide.

ME: I use it sometimes.

Feature: Know the range since referencing.

Hints: values are shown the **absolute** value, since it is a mere distance.

34- Error Related to Broker

1) Oracheael Case – Error 131, 132, 133, 134, 136, 148

Updated #Post 3876

the following error codes will deactivate any related pair.

it deal correctly with wrong data provided by brokers to thier clients

```

if(risk_mode=="MB" && current_MB>user_MB)return;
if(risk_mode=="ME" && current_ME>user_ME)return;
if(FM_SET=="POS" && AccountFreeMargin(<)<3) return;
ticket=OrderSend(pairs[i],OP_BUY,lotx,MarketInfo(pairs[i],MODE_ASK),0,0,0,COMMENT,Magic_Number,0,C'182,0,0',
err=GetLastError());
if(err==131 || err==132 || err==133 || err==134 || err==136 || err==148)
{
Print("----Oracheael CASE-----BS LastError = "+err+" "+pairs[i]);
PAIR_SELECT[i]="NO";
YES_BS[i]="XX";
}
if(OrderSelect(ticket,SELECT_BY_TICKET))

```

131--132--133--134--136--148---look at thier description in post # 3872 picture.

#Post 3827

Sacreron: please in doc, add it as "Oracheal-case"---**name is corrected in the code.**
racheal-case **is**: the contradictiob b/w broker database and broke actual run-time process expert when recieve racheal message, immediatly deactivate the pair.

i will check for other possible broke stupid errors, like **MIN_LOT**

The screenshot shows a trading software interface with a log window and a trading pairs list. The log window displays the following messages:

- 2021.01.04 23:56:29.613 108_EngYahia_SAR_RSL_GRID CADCHFm,M30: ---RACHEAL CASE---BL LastError = 133 XRPUSDm
- 2021.01.04 23:56:27.582 108_EngYahia_SAR_RSL_GRID CADCHFm,M30: -----SL LastError = 133 XRPUSDm
- 2021.01.04 23:56:25.645 108_EngYahia_SAR_RSL_GRID CADCHFm,M30: -----SL LastError = 133 XRPUSDm
- 2021.01.04 23:56:20.349 Automated trading enabled

The trading pairs list shows the following data:

DB	MB	LB	#B	DS	MS	LS	#S	p	Reference B/S Price	#	Pairs	SPL	d	ASK	B	SPD	S	BID	BL	SL	
0.91	-0.91				-0.10				400.32	398.62	1	BCHUSDm	999.00	399.41	1.84		397.57				
52.24	-52.24								32401.92	32261.92	2	BTCUSDm	999.00	32244.98	49.25		32268.93				
-98.578	-98.578				-3.794				34121.836	34140.084	3	BTCBWM	999.000	34063.308	79.244		33984.064				
-50.93	-51.81				-0.87				31392.88	31364.06	4	BTCUSDm	999.000	31341.95	34.72		31302.93				
-1.79	-3.48								1028.93	1025.74	5	ETHUSDm	999.000	1027.14	4.61		1022.63				
-1.1	-1.0				-0.4				151.82	150.26	6	MTUSDm	999.0	151.66	17.9		150.07				
-1.1	-1.6				-1.4				0.23084	0.22345	7	692USDm	999.0	0.23086	14.8		0.22348				

thank you brother [Oracheal](#)

therefore message **will not be repeated each time**, since the pair is "**de-activated**"

Mucky: Some developer reported regarding error 133 also:

... conclude that slippage has a maximum allowed by broker and you should not exceed this limit

Macd: another error with exness is error **131**---MinimumLot
in thier stupid data base min lot is 0.01---therefore dashboard accept this value
but
in thie runtime, min lot allowed is 0.10 not 0.01 !!

_EngYahia_SAR_RSI_GRID CADCHFm,M30: open #299002927 sell 0.01 BTCJPYM at 3246087 ok
 _EngYahia_SAR_RSI_GRID CADCHFm,M30: -----SL LastError = 131 BCHUSDm
 _EngYahia_SAR_RSI_GRID CADCHFm,M30: -----SL LastError = 133 XRPUSDm
 _EngYahia_SAR_RSI_GRID CADCHFm,M30: -----SL LastError = 131 LTCUSDm
 _EngYahia_SAR_RSI_GRID CADCHFm,M30: -----SL LastError = 131 ETHUSDm
 _EngYahia_SAR_RSI_GRID CADCHFm,M30: modify #299002926 sell 0.01 BTCUSDm at 31481.54 sl: 0.00 tp: 31465.54 ok
 _EngYahia_SAR_RSI_GRID CADCHFm,M30: -----SL LastError = 0 BTCUSDm

129 ERR_INVALID_PRICE Invalid price
 130 ERR_INVALID_STOPS Invalid stops
 131 ERR_INVALID_TRADE_VOLUME Invalid trade volume
 132 ERR_MARKET_CLOSED Market is closed

ETHUSDm contract specification
 Margin calculation mode CFD
 Margin initial 1.00
 Margin maintenance 1.00
 Margin hedge 0.00
 Margin percentage 5.0%
 Trade full access
 Execution Market
 CTC mode cancel
 Minimal volume 0.01
 Maximal volume 20.01

Mucky: ... yes , but sometimes it depends on account type also.

some broker do allow 0,01 lot size only for standard accounts and prof. account require 0.10 lot - the professional traders are not allowed to use 0.01 lots :-)
 even the symbol specification tells a different story

Macd: Also RUN-TIME error **131** is included
 if exists will make pair **OFF**

So avoid continues message due to stupid data base!
 i have the choice to correct volume, but this is an intervention in your setting
 therefore the better solution is to de-activate the pair, then later if you like change FL, LI setting from 0.01 to 0.1.

now these messages will appear only one time

when you see word "**Orachael**" in expert/journal, immediatly understand onething
"CONTRADICTION"

Time	Message
2021.01.05 00:35:52.392	'6824024': order buy 0.01 BCHUSDm opening at market sl: 0.00 tp: 0.00 failed [Invalid volume]
2021.01.05 00:35:51.610	'6824024': order buy market 0.01 BCHUSDm sl: 0.00 tp: 0.00
2021.01.05 00:35:47.908	'6824024': order buy 0.01 XRPUSDm opening at market sl: 0.00000 tp: 0.00000 failed [Trade is disabled]
2021.01.05 00:35:47.502	'6824024': order buy market 0.01 XRPUSDm sl: 0.00000 tp: 0.00000
2021.01.05 00:35:47.502	'6824024': order buy 0.01 LTCUSDm opening at market sl: 0.00 tp: 0.00 failed [Invalid volume]
2021.01.05 00:35:46.174	'6824024': order buy market 0.01 LTCUSDm sl: 0.00 tp: 0.00
2021.01.05 00:35:46.174	'6824024': order buy 0.01 ETHUSDm opening at market sl: 0.00 tp: 0.00 failed [Invalid volume]
2021.01.05 00:35:43.706	'6824024': order buy market 0.01 ETHUSDm sl: 0.00 tp: 0.00
2021.01.05 00:35:43.612	Automated trading enabled
2021.01.05 00:31:24.674	Expert 108_EngYahia_SAR_F ADCHFm.M30: ----Oracheal CASE-----BL LastError = 131 BCHUSDm
2021.01.05 00:31:24.612	Expert 108_EngYahia_SAR_F ADCHFm.M30: ----Oracheal CASE-----BL LastError = 133 XRPUSDm
2021.01.05 00:29:26.002	Expert 108_EngYahia_SAR_F ADCHFm.M30: ----Oracheal CASE-----BL LastError = 131 LTCUSDm
2021.01.05 00:29:25.940	Expert 108_EngYahia_SAR_F ADCHFm.M30: ----Oracheal CASE-----BL LastError = 131 ETHUSDm
2021.01.05 00:28:26.178	Expert 108_EngYahia_SAR_F

Macd: You do not get my point
we do not speak about account type

we speak about: **broker** runtime value is different from **broker**-database values. 😊

broker tell you minlot is 0.01

but when you try, order is rejected. the runtime is 0.10

whatever the account type.

2) Error Column

you will read in expert/journal "TRADE is disabled" = err: 133

but this is an oracheal-case, since in data base they set it "TRADE-IS-ENABLED"
Broker conflicts

```

if(MarketInfo(pairs[i],MODE_BID)>all_min_price)
{
x=x+xd-1;xd=xpl-x+1;
clr=c'125,125,125';
if(wahd[i]=="0") clr=c'0,255,0';
else if(wahd[i]=="131") clr=c'0,0,255';
else if(wahd[i]=="130") clr=c'0,255,255';
else if(wahd[i]=="133") clr=c'255,0,255';
else if(wahd[i]=="136") clr=c'255,255,0';
}

```

#S	Reference B/S Price	#	Pairs	sl	SPL	d	ASK	B	SPD	BL
0	482.20	1	BCHUSDm	999.00	493.60	1.86				
1	37860.25	2	BTCPYm	999.00	37665.06	100.94				
2	40385.064	3	BTOKRWm	999.000	40147.504	194.656				
3	12485.38	4	BITUSDm	999.00	38208.75	71.92				
4	1228.16	5	ETHUSDm	999.00	1237.13	4.34				
5	142.52	6	LTCUSDm	999.0	149.47	15.2				
6	0.28540	7	XRPUSDm	999.0	0.28465	21.6				

Passive
XRPUSDm
Error Code # 133

Reference B/S Price	#	Pairs	sl	SPL	d	ASK	B	SPD	BL
521.84	519.22	1	BCHUSDm	999.00	521.92	1.60			520.32
38277.05	38245.62	2	BTCPYm	999.000	38271.04	21.11			38239.53
40951.044	40939.016	3	BTOKRWm	999.000	40943.116	68.888			40923.886
36793.46	36762.12	4	BTUSDm	999.000	36791.55	22.56			36768.59
1334.70	1330.91	5	ETHUSDm	999.000	1336.33	3.42			1332.91
150.83	150.81	6	LTCUSDm	999.0	153.68	21.1			152.52
0.28968	0.28765	7	XRPUSDm	999.0	0.28955	14.6			0.28809

Passive
XRPUSDm
Error Code # 133
trade is disabled

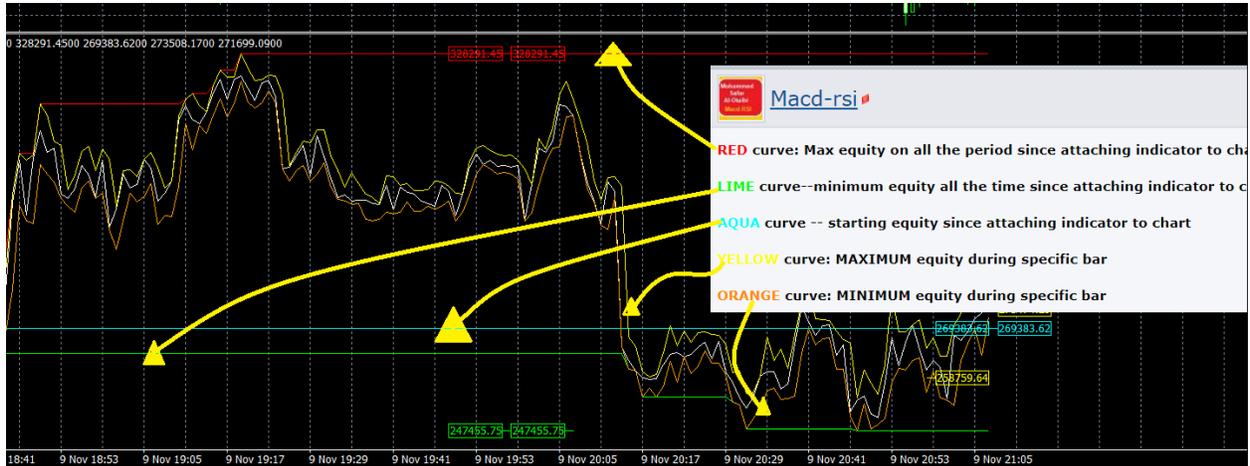
error **description** also has been added to tooltips

35- Thread General Gifts

1) EquityRecorder

Equity_Curve_Each_Bar.mq4

Equity_Curve_Each_Tick.mq4



- **RED** curve: Max equity on all the period since attaching indicator to chart
- **LIME** curve--minimum equity all the time since attaching indicator to chart
- **AQUA** curve -- starting equity since attaching indicator to chart
- **YELLOW** curve: MAXIMUM equity during specific bar
- **ORANGE** curve: MINIMUM equity during specific bar

2) DPI detector Expert

3) Spread Tracer Expert

4) History Data Automatic download Expert

YOUR SCREEN **DPI** HAD BETTER BE **120**

=====

1 - How to select symbols group. (for example EUR pairs only)

2- How to dermine number of trials, for specific pair with specific time frame

the best time to use this expert is during vacations, or when you sleep. (non-trading hours)

just 4 clicks within 2 sec then go play football for 15 min then come back:

you need at max 50 bars for each pair for each frame

so $50 \times 28 \text{ pairs} \times 9 \text{ frames} = \text{about } 1400$

expert download 800 bars each 1 second! if you compress the chart fist, with disable of autoscroll and autohfit

be sure autotrading is enables

if you waant to stop temprarily make auto trading OFF

if you want to appeal make it ON again

of want to download more bars--say 50000 bar, later on--but now you need at least 26 pars.

also before using TeckExpert--- this expert at least one time must be used

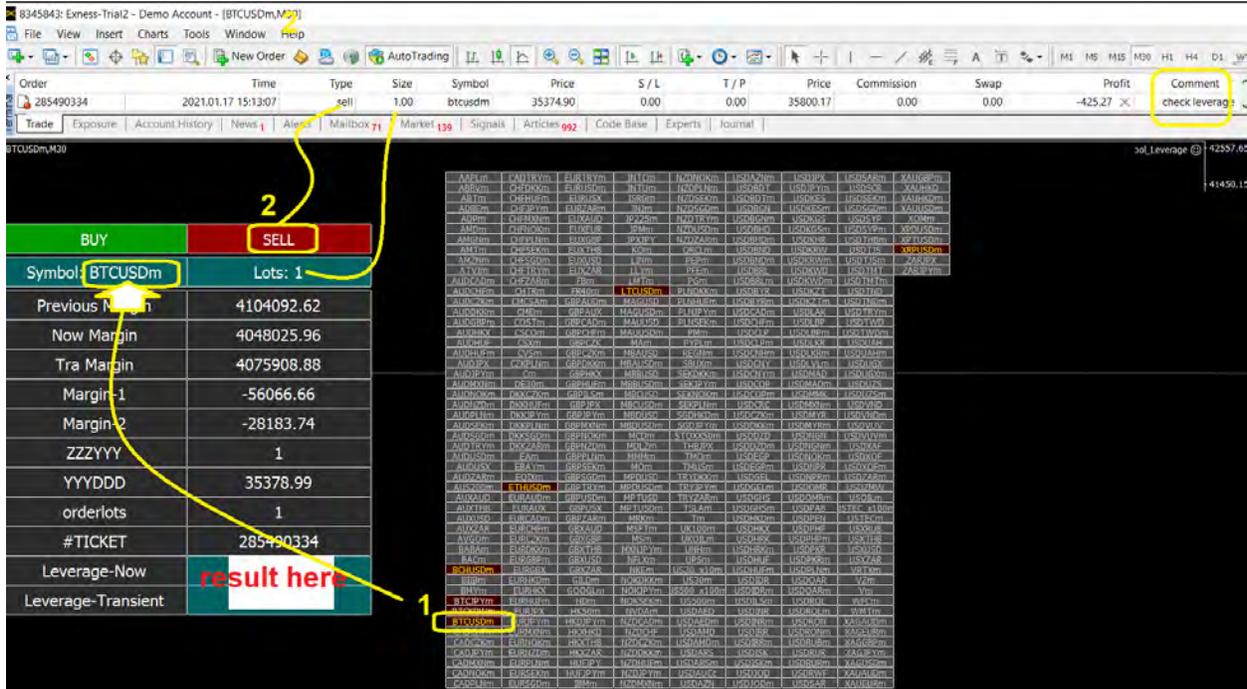
511345608: EquitiGroup-Demo - Demo Account - [EURAUD,Daily]

The screenshot shows a trading software interface with the following elements:

- Account Information:** Balance: 30,448.78 USD, Profit/Loss: 2,619.47, Equity: 33,068.25, Margin: 25,917.92, Free margin: 7,150.33, Margin I
- Navigation and Tools:** File, View, Insert, Charts, Tools, Window, Help. A yellow box highlights the "AutoTrading" button in the toolbar.
- Market Data Header:** EURAUD,Daily, ForexFactory.com/Macd-rsi, EquitiGroup-Demo. A yellow box highlights the "MY" button.
- Table of Currency Pairs:** A table with columns for #, Symbol, BID, Spread, ASK, Bars, date, and Description. The "AUDUSD" row is highlighted in red.

#	Symbol	BID	Spread	ASK	Bars	date	Description
1	EURUSD	1.21086	15	1.21101	1000	2017.02.02 00:00	Euro vs US Dollar
2	GBPUSD	1.32720	26	1.32746	1000	2017.02.01 00:00	Great Britain Pound vs US Dollar
3	AUDUSD	0.73938	17	-1	1000	2017.02.01 00:00	Australian Dollar vs US Dollar
4	NZDUSD	0.70220	22	0.70242	1000	2017.02.01 00:00	New Zealand Dollar vs US Dollar
5	USDCAD	1.28102	22	1.28124	1000	2017.02.01 00:00	US Dollar vs Canadian Dollar
6	USDCHF	0.89108	22	0.89130	1000	2017.02.01 00:00	US Dollar vs Swiss Franc
7	USDJPY	104.197	16	104.213	1000	2017.02.01 00:00	US Dollar vs Japanese Yen
8	EURGBP	0.91217	26	0.91243	1000	2017.02.01 00:00	Euro vs Great Britain Pound
9	EURAUD	1.63743	29	1.63772	1000	2017.02.01 00:00	Euro vs Australian Dollar
10	GBPAUD	1.79470	53	1.79523	1000	2017.02.01 00:00	Great Britain Pound vs Australian Dollar
11	AUDCAD	0.94721	25	0.94746	1000	2017.02.02 00:00	Australian Dollar vs Canadian Dollar
12	AUDCHF	0.65891	23	0.65914	1000	2017.02.01 00:00	Australian Dollar vs Swiss Franc
13	EURJPY	126.175	22	126.197	1000	2017.02.01 00:00	Euro vs Japanese Yen
14	GBPJPY	138.303	23	138.326	1000	2017.02.01 00:00	Great Britain Pound vs Japanese Yen
15	NZDCAD	0.89960	29	0.89989	1000	2017.03.23 00:00	New Zealand Dollar vs CAD
16	NZDCHF	0.62568	45	0.62613	1000	2017.03.23 00:00	New Zealand Dollar vs CHF
17	EURCAD	1.55117	34	1.55151	1000	2017.02.01 00:00	Euro vs Canadian Dollar
18	GBPCAD	1.70025	42	1.70067	1000	2017.02.01 00:00	Great Britain Pound vs Canadian Dollar
19	AUDNZD	1.05277	28	1.05305	1000	2017.02.01 00:00	Australian Dollar vs New Zealand Dollar
20	CADCHF	0.69551	26	0.69577	1000	2017.05.28 00:00	Canadian Dollar vs Swiss Franc
21	EURCHF	1.07906	28	1.07934	1000	2017.02.01 00:00	Euro vs Swiss Franc
22	GBPCHF	1.18275	35	1.18310	1000	2017.02.01 00:00	Great Britain Pound vs Swiss Franc
23	AUDJPY	77.044	24	77.068	1000	2017.02.01 00:00	Australian Dollar vs Japanese Yen
24	NZDJPY	73.172	24	73.196	1000	2017.02.01 00:00	New Zealand Dollar vs Japanese Yen
25	CADJPY	81.328	24	81.352	1000	2017.02.01 00:00	Canadian Dollar vs Japanese Yen
26	CHFJPY	116.910	33	116.943	1000	2017.02.02 00:00	Swiss Franc vs Japanese Yen
27	EURNZD	1.72404	36	1.72440	1000	2017.02.01 00:00	Euro vs New Zealand Dollar
28	GBPNZD	1.88968	59	1.89027	1000	2017.02.01 00:00	Great Britain Pound vs NZD

- 5) Envelope 3-modes Indicator
- 6) Symbol Leverage



36- Thread Special Gifts for influential contributors

Technical Analysis-Indicator:

- in less than one second you know MACD cross for all pairs!
- in less than one second you know RSI for all pairs!
- in less than one second you know SAR for all pairs!
- in less than one second you know S/R for all pairs!
- in less than one second you know AO cross for all pairs!
- in less than one second you know ENVELOP for all pairs!
- in less than one second you know PRICE ACTION for all pairs!

plus more than 50 ideas there

we use **TechExpert** to pick chances
 we use **Millionaire** expert to enter these chances
 we use later display click to **OBSERVE** all math-related issues to check what is happening with open chance

PICK-----> ENTER -----> OBSERVE

- 1) Technical Analysis Expert
- 2) DisplayClick Expert

37- Risk Design Equations

<https://www.forexfactory.com/thread/1018689-all-in-all-my-experience>

To trade well:

- 1- you should know symbols
- 2- you should know forex math basic rules
- 3- you should know how to pick up the best available broker
- 4- you should master technical analysis
- 5- you show experience as much as possible technical analysis "news events"
- 6- you should acquaint what is going in the world

A- Symbols used:

YYY: Base currency

XXX: Quote currency

DDD: Dominating or your account currency.

ZZZ: (non-currency instrument value, like gold, oil, indicators, stocks, etc..) value

CZ: 1 lot contract size

R: Leverage

S: Stop-out-level

B: your balance or equity

M: Reserved Margin

I: inverse pips

Ip: profit pips

Lots: given or calculated lots

SP: Spread

P/L: Profit/Loss of your single position

Pe: Entry price

Pi: exit price

d: price digits after decimal

r: number of digits deleted from digits after decimal

hence:

1- for currencies $ZZZ=YYY$, therefore **$ZZZYYY = 1$**

2- for non-currency instruments, $YYY=XXX$, therefore **$YYYXXX=1$**

B-Math Rules:

1) B-1: Basic Rules

قانون حساب المارجن M

$$M = \frac{CZ}{R} * ZZZYYY * YYDDD * Lots$$

قانون حساب قيمة النقطة

$$pipValue = \frac{CZ}{10^{d-r}} * XXXDDD * Lots$$

قانون حساب الربح او الخسارة بمعرفة النقاط

$$P/L = \frac{CZ}{10^{d-r}} * XXXDDD * Lots * I_p$$

قانون حساب الربح او الخسارة بمعرفة الفرق السعري

$$P/L = CZ * XXXDDD * (Pe - Pi) * Lots$$

a) Margin example: M

#Post 769

assume I have an account with only 300 USD.

I decided to enter either GBPUSD or USDCHF---- with 0.27 Lots??

what is the reserved margin in each case?

will be proved **1)** using paper and pin---then through **2)** demo account:

GBPUSD R = 500: 1

USDCHF R = 33.33333333333333: 1 😊

for USD CHF calculatio first proved that 300 USD not adequate for 0.27 lot
0.27 lot needs 810 USD -- to avoid "inedquate money"

so i go to big account to prove number through practise (math = real practise = 810 USD min req to be able to open 0.27 lot on USDCHF!)

Look at pciture:

The screenshot displays a trading platform interface. At the top, there's a menu bar with options like 'New Order', 'AutoTrading', and 'Market 100'. Below the menu, an order entry window is visible with fields for 'Order', 'Time', 'Type', 'Size', 'Symbol', 'Price', and 'S/L'. The 'Size' field is set to 0.27 and the 'Symbol' is USDCHF. Below the order entry window, account details are shown: Balance: 129,449.66 USD, Equity: 129,443.44, Margin: 810.00, Free margin: 128,633.44, Margin level: 1590.67%. A calculation is displayed: MARGIN=CZ/R*ZZZYYY*YYDDD*Lots = CZ/R*1*USDUSD*0.27 = 100,000/33.333333*1*1*0.27 = 810 USD. Below the account details, there's a 'Market Watch' window showing the current bid and ask prices for USDCHF (0.91101 and 0.91122) and other currency pairs like GBPUSD and EURUSD.

but look for GBPNZD: Margin for 0.27 is less much than 300 USD! it is 71 USD

is that clear??

Math proof on picture

511335752: EquitiGroup-Demo - Demo Account - [US30Roll,M1]

File View Insert Charts Tools Window Help

New Order AutoTrading M1 M5 M15 M30 H1 H4 D1 W1 MN

Order /	Time	Type	Size	Symbol	Price	S / L	T / P
22637036	2020.11.19 09:44:33	buy	0.27	gbpnzd	1.91665	0.00000	0.00000

Balance: 129,407.17 USD Equity: 129,397.66 Margin: 71.48 Free margin: 129,326.18 Margin level: 181028.94%

always the same margin rule whatever is the instrument:

Margin=CS/R*ZZZYYY*YYYDDD*Lots=CS/R*1*GBFUSD*Lots = 100,000/500*1*1.32357*0.27 = 71.48 USD

Symbol	Bid	Ask
GBPNZD	1.91614	1.91665
GBPUSD	1.32357	1.32360
USDCHF	0.91079	0.91102
EURUSD	1.18500	1.18515

ZZZYYY=1 because pairs of 2 currencies--not stock or index or metal etc...

YYYDDD = base currency GBP against account currency USD = GBPUSD

#Post 2136

How to calculate the Reserved Margin for any instrument, currencies, metals, indices, stocks etc..

Always the same rule--unique unique unique unique unique unique--any other rule is stupid people rule, concentrate on colors:

Swaddee: my account currency is **JPY**,, I want to enter **GBPNZD** with **3.23** lots, my leverage is **100:1** -- what is the reserved Margin?

-----Skat: my account currency is **USD**,, I want to enter **GBPNZD** with **3.23** lots, my leverage is **100:1** -- what is the reserved Margin?

--zorafx: my account currency is **EUR**,, I want to enter **GBPNZD** with **3.23** lots, my leverage is **100:1** -- what is the reserved Margin?

All three use the same rule:

$$\text{ReservedMargin} = \text{CS}/\text{R} * \text{ZZZYYY} * \text{YYYDDD} * \text{Lots}$$

Swaddee ReservedMargin = CS/R*ZZZYYY*YYYDDD*Lots = 100,000/100*1***GBPJPY***3.23 = (in Yen)

-----**Skat** ReservedMargin = CS/R*ZZZYYY*YYYDDD*Lots = 100,000/100*1***GBPUSD***3.23 = (in US dollar)

--**zorafx** ReservedMargin = CS/R*ZZZYYY*YYYDDD*Lots = 100,000/100*1***GBPEUR***3.23 = 100,000/100*1*(1/**EURGBP**)*3.23 = ... (in EURO)

zorax can **NOT** find in his termianl pair named GBPEUR!! he finds its reciprocal EURGBP.

Look all three use the same rule

CS: Contract size for currencies = 100,000 unit

for currencies ZZZYYY=1

YYYDDD: is **base** currency YYY in the pair against **your account currency** DDD.

b) Leverage vs Margin

2) #Post 4682

3) **Checking real time leverage** of any instrument has been included in the expert. YOU KNOW SOME BROKERS

before Entry your margin is M1

after entry margin is M2

therefore Leverage R is:

$$R = [CS / (M2 - M1)] * ZZZYYY * YYYDDD * Lots$$

you can check this equation now:

1- open demo account.

2- record Margin--- M1=0 if no previous positions

3- open position on EURUSD for example

4-record Margin after entry

5- apply the rule: $R = [CS / (M1 - M2)] * ZZZYYY * YYYDDD * Lots = 100,000 / (M2 - M1) * 1 * EURUSD * Lots$

#Post 4697

account leverage i guess they mean the leverage used by most pairs.

for example if equity say leverage is 400: 1, they mean the leverage of most pairs, but for CHF's leverage is 100: 3 => 33: 1

and for indices, leverage is 100: 1 or 200: 1

regarding that excess reduce leverage at the weekends.. that is not true--enter any position at close of Friday, and check the **margin**,

after market close you will see **the same margin**, with next week opening you see **the same margin** so no leverage change.

it is their stupid statement. **they phrase meaning using wrong words.**

but what is the **most decisive is the rule $R = CS / (M2 - M1) * ZZZYYY * YYYDDD * Lots$.**

I ask one of my buddies here to make separate live account with Exness, and only deposit 10 USD for tests. he gratefully did.

let us check **BTCUSD** real runtime leverage---believe what your eyes see, not what others say. look at picture--no positions-- Margin1 = M1 = 0 USD.



USING **DISPLAYCLICK**:

IN THEIR DATABASE THEY SAY LEVERAGE IS 100:1
let us check

The screenshot shows a trading platform interface with a list of orders. A context menu is open over one of the orders, displaying the following information:

Lev	#B	#S	PB	PS	PLB	PLS	PNL	PV_BUY	PV_SELL	#	Symbols	LN	BID	SDP	ASK
20										1	BCHUSD	430.22	0.96	431.18	
100										2	BTCJPY	3347462	5937	335339	
100										3	BTCGBP	35673644	48804	3572244	
100										4	BTCUSD	32280.42	34.29	32314.7	
20										5	ETHUSD	1240.13	7.55	1251.6	
20										6	LTTCUSD			140.29	
27										7	XRPUSD			0.2729	

The context menu also shows the following details:

- Symbol: BTCUSD
- LN: 4
- BID: 32280.42
- SDP: 34.29
- ASK: 32314.7
- MinLot: 0.01
- MaxLot: 20.0
- LotStep: 0.01
- 1PipValue: 0.010000000000
- 1LotMargin: 322.90

RUNTIME COINCIDE WITHE WHAT THEY SAY 😊

The screenshot shows a trading platform interface with the following details:

- Order: 237992373
- Time: 2021.01.23 17:57:04
- Type: buy
- Size: 0.01
- Symbol: btcusd
- Price: 32293.45
- S/L: 0.00
- Balance: 10.00 USD
- Equity: 9.23
- Margin: 3.23
- Free margin: 6.00
- Margin level: 285.98%

Below the order details, there is a calculation for leverage:

M1 = 0
M2 = 3.2275 (exact: 3.229345)
ZZYYYY=1
YYYYDD=32293.45
Lots = 0.01

therefore: $R = 1.0 / (3.2275) * 1 * 32293.45 * 0.01 = 100 = 100:1$

Deep philosophical topics about Leverage and Margin:

according to picture exact margin is **3.227480**

not **3.23**

nor **3.229345** (bictcoin price divided by leverae 100 -- multiplied by lots 0.01)

i already spoke about it 2 years ago in some arabic forums.

why in your broker book they record 3.227480?

The screenshot shows a trading platform interface with the following details:

- Order: 237992373
- Time: 2021.01.23 17:57:04
- Type: buy
- Size: 0.01
- Symbol: btcusd
- Price: 32293.45
- S/L: 0.00
- Balance: 10.00 USD
- Equity: 8.75
- Margin: 3.23
- Free margin: 5.52
- Margin level: 271.11%

Below the order details, there is a calculation for leverage:

M1 = 0
M2 = 3.227480 (exact: 3.227480)
ZZYYYY=1
YYYYDD=32293.45
Lots = 0.01

therefore: $R = 1.0 / (3.227480) * 1 * 32293.45 * 0.01 = 100 = 100:1$

4) B-2: Lots Rule

B-2: Lots rules

قانون حساب اللوات بمعرفة نقاط الأمان |

$$\text{Lots} = \frac{B}{S * \frac{CZ}{R} * ZZZYYY * YYDDDD + I * \frac{CZ}{10^{d-r}} * XXXDDDD}$$

قانون حساب اللوات للفل مارجن

$$\text{Lots} = \frac{B}{\frac{CZ}{R} * ZZZYYY * YYDDDD}$$

قانون حساب لوات التهديج على الفل مارجن

$$\text{Lots} = \frac{2B - \frac{R * B}{10^{d-r}} * SP}{\frac{CZ}{R} * ZZZYYY * YYDDDD}$$

قانون حساب لوات التهديج لضمان نقاط انعكاس معينة | بعد الدخول

$$\text{Lots2} = \frac{B * (1 - S - \frac{R}{10^{d-r}} * ZZZXXX) * (I + 2 * SP)}{\frac{CZ}{10^{d-r}} * XXXDDDD * (I + SP) + S * \frac{CZ}{R} * ZZZYYY * YYDDDD}$$

5) B-3: Inverse Pips (I)/ Profit Pips (IP) Rules

قانون معرفة نقاط الانعكاس I بمعرفة اللوات

$$I = \frac{B - S * \frac{CZ}{R} * ZZZYYY * YYDDDD * Lots}{\frac{CZ}{10^{d-r}} * XXXDDDD * Lots}$$

قانون معرفة نقاط الانعكاس I للفل مارجن

$$I = (1 - S) * \frac{10^{d-r}}{R} * ZZZXXX$$

قانون معرفة نقاط مضاعفة الربح Ip للفل مارجن بمعرفة نقاط الانعكاس I

$$Ip = I + S * \frac{10^{d-r}}{R} * ZZZXXX$$

قانون معرفة نقاط نسبة ربح معين P بمعرفة اللوات

$$Ip = \frac{P * B}{\frac{CZ}{10^{d-r}} * XXXDDDD * Lots}$$

6) B-4: Other Rules

قانون معرفة خسارة السبريد في حالة الفل مارجن

$$Loss = \frac{R * B}{10^{d-r} * ZZZXXX} * SP$$

قانون حساب المتوسط السعري لصفقات أي أداة مالية

$$avgPrice = \frac{\sum_{i=1}^{nB} PriceB_i * LotB_i - \sum_{i=1}^{nS} PriceS_i * LotsS_i}{\sum_{i=1}^{nB} LotB_i - \sum_{i=1}^{nS} LotS_i}$$

7) Other Risk Related Posts

#Post 2064

Meister81

Thank you! 😊 My question is about the leverage, probably it affects more people. My broker offers a leverage of 1.100. Could you propose a "safe" setting for this situation for a 18.000 € account?

I suggested the following settings which you found acceptable (would that be ok for 1:100, too or should I change something?):

BL, SL on
O, D = 50 and 67 for GBP pairs
FL, LI = 0.02
LL = 5
L1, L2, L3 = 1
TO = 20
LD = 5
TP = 85

Macd-Rsi

this math problem brother,
tell upon your last years in market: forecast who many orders will be executed? -- just estimation for two weeks--calculate on worst case of course
worst case is -- all 28 pairs go in one direction - say $300 * \text{PairPrice}$ pips
then upon O and D you can estimate total orders for each pair, and subsequently associated lots--then use **unique** rule for margin

Margin = $CS/R * ZZZYYY * YYYDDD * \text{Lots}$.

it is a math problem.

ask your self what is the max lot possible for 18,000 EUR----Leverage 100:1

the rough rule is very simple: (rough due to pairs differ in prices -- then in their RMargin)
here will assume pair YYYXXX with price 1.00000
 $\text{MaxLots} = 18,000 / (R) = 18,000 / 100 = 180 \text{ Lots}$

if your forecast much less than 180---- 100% setting is profitable

for all these question: honest answer--study math to accurately get the correct decision and know consequences in advance

TP=85 for save setting---very very very stupid take profit 😊 -- really i can not tolerate it
it should be say 150 at least *Pair Price
from now and on use the language of TP = 300 or 200 or 500 pips! if you choose save setting
this is the correct behavior of wise traders "normal people"

it is not a complex math

it is only * + - /

look at prev equations---no since, no cosine, no integrals, no Bessel 😊 equatios

you have 18,000 ---> then your account at worst aggresive entry accpet 180 lot for pair YYYXXX, With price 1.0000
 most prices a little bit above one

therefore let us say your account can tolerate upro 150 lot.

now:

now almost within 2 weeks 6 orders per pair
 then lot : $0.02+0.02+0.02+0.02+0.02+0.04 = 0.14$

0.14 for 28 pairs = $0.14*(20+8) = 20*0.14+8*0.14 = 2.8+0.12 =$ around 3 lots

3 lots compared to 150 lots- are very very very very save

now does it give good profits??

lest us say they reach on average halve of TPs -- some profit - some loss -- but average is +150 pips

$150*3*10 = 150*30 = 4500$ EUR

It is sensible profit--you can feel it in your life

38- Risk Sensor (Ruler)

1) Updated Version – TPV + Ruler



WORST LOSS
WORST MCP Do you see thin white line

and best profit ditin the period will be recorded.



also best MCP recovery after worst seen MCP is added--the thin green line

now assume MarginCallPips MCP dropped to 500 pips then recovery to 800 pip then back to 600 pips

all these important information is recorded
 each time there is a worst MCP (new minimum value) the best MCP is ciphered to that point.



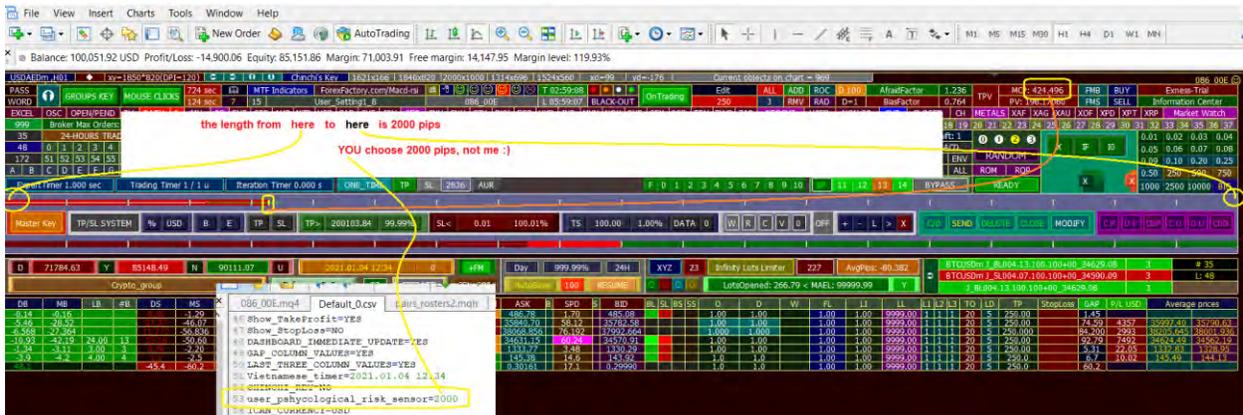
The length of risk sensor depend on **your** choice in default csv file

on picture MCP=424 pips

after 424 pips Fisir margin call will occure,

look at the position of yellow small pointer, almost in first quarter, since total length is 2000 pips

with **bitcoins please do not use values less than 8000 pips and 4000** if you are aware of markets.



user_pshycological_risk_sensor=2000

is **your** number that you can tolerate without any moment of nervous

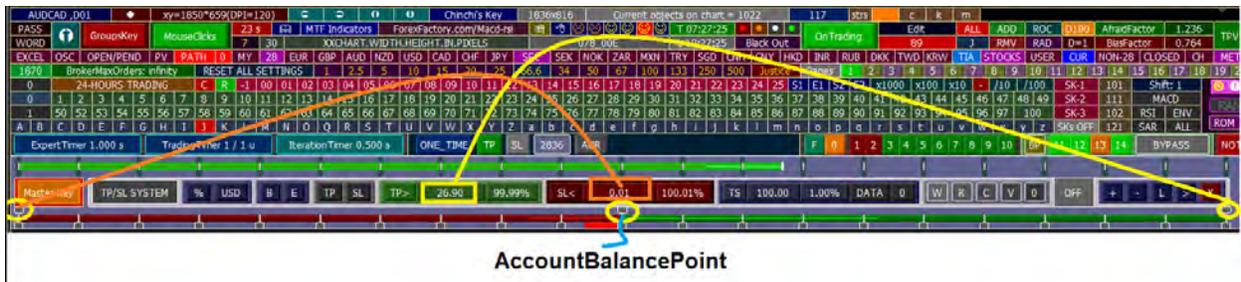
we are speaking about **risk management**

if you want to follow herd styles like ratio 1:2 or 1:3 -- it is OK

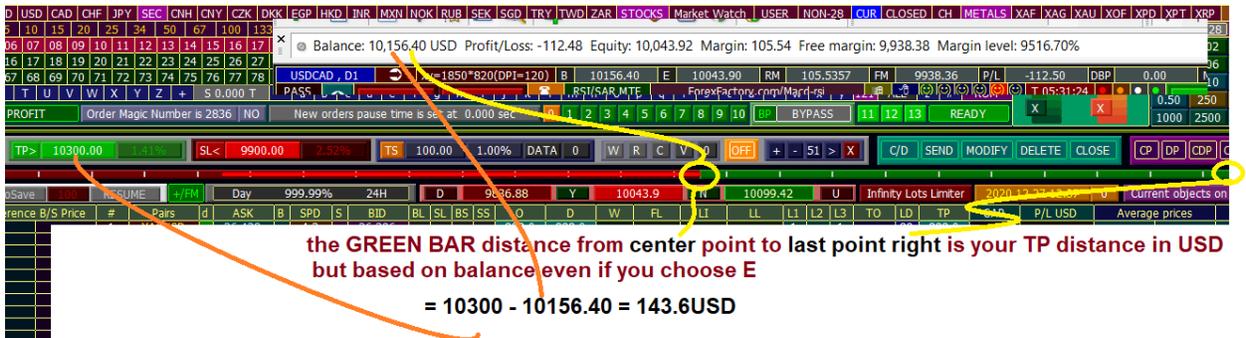
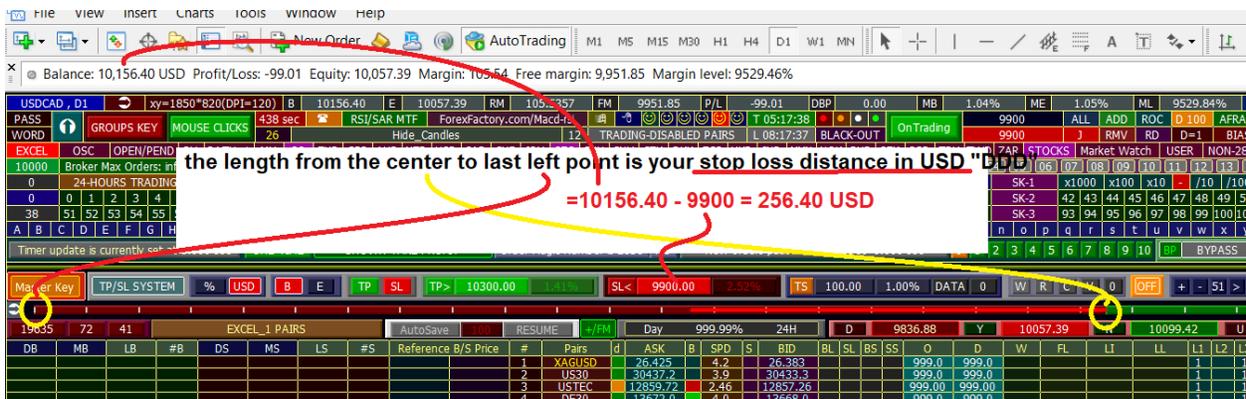
but here, you read about the smartest way in **risk assessment**---It is a new theory, but for high-level minds, since it is associated with complex math caclulation especially when trading EURUSD with USDNOK with HK50 with Gold----different type instruments

Account Balance Point

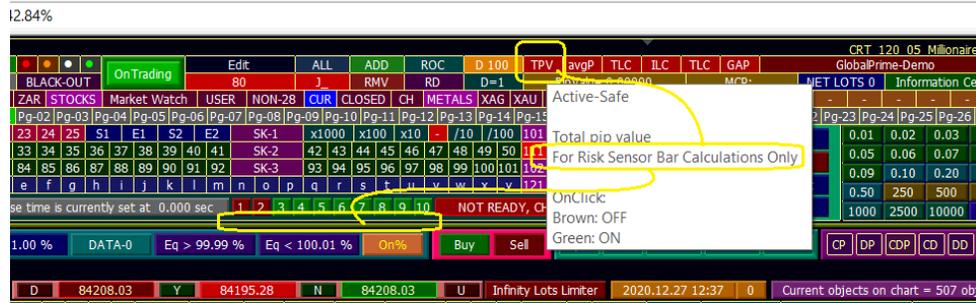
#Post 5014



2) Older Version – Ruler



3) Older Version - TPV (Total Pip Value -> Risk Sensor)



TPV box: to prevent/allow math calc for risk bar only.

Reason: make expert a little bit slower if ON.

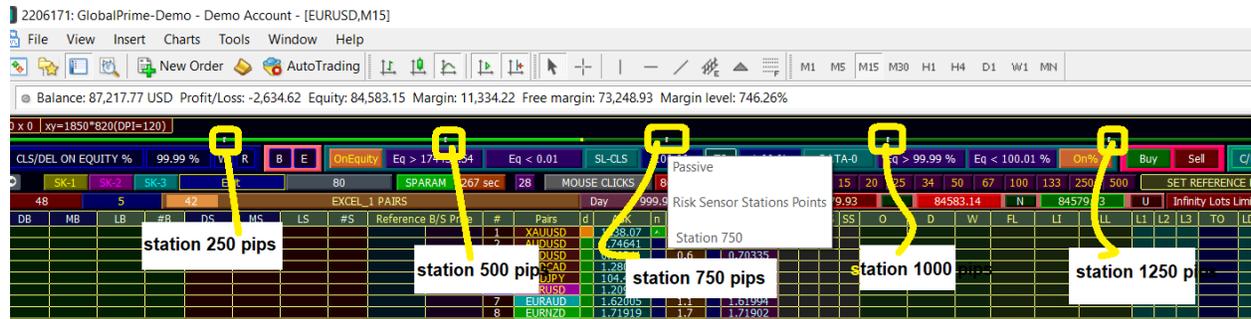
Recommendation: use it when necessary.

ME: I use it all the time.

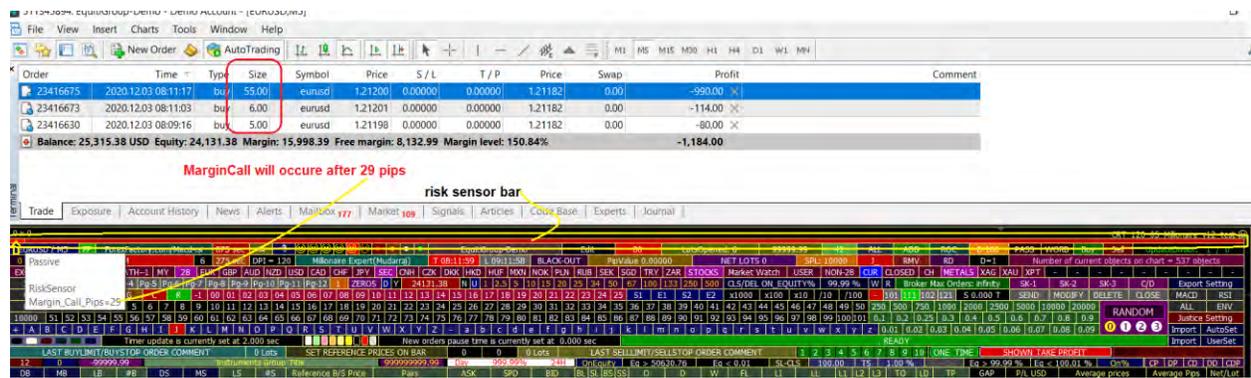
Feature: it is very responsive for new orders--show immediate effect. try to enter manually 10 lots and observe **immediate** response on bar.

Updated:

#Post 2368



#Post 1863



Risk-Sensor has been added

- when margin call > 2000 pips---Black BAR
- when margin call > 1000 pips---Green BAR
- when margin call > 5000 pips---Orange BAR
- when margin call > 1000 pips---Brown BAR
- when margin call < 1000 pips---RED BAR
- when margin call > 2000 pips---Black BAR

Complete bar = 2000 pips

so small bar shows exactly where is the margin call related to 2000 pips

below small box = box width is 29 pips (here look at the scale on **pips** instead of pixel) -- imagine it!!