



SUB DASHBOARD USER GUIDE

V 1.3

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Greed is Good

20/07/2017

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2. INTRODUCTION

This Sub Dashboard will be used to generate signals which will be sent to a Main Dashboard which will manage signals and trades.

The whole idea of this sub dashboard is to have potentially an “unlimited” number of filters to generate signals. Coding those filters/indicators into a sub Dashboard will make the coding work and future developments easier.

Instead of coding a Dashboard for every single strategy, we can imagine that the various strategies will be coded into this sub dashboard.

I have implemented a few features which would be probably really useful in the future ;-)

I will modify the Main Dashboard to make it work with this sub dashboard in the next days.

Before to start modifying the main dashboard I am intensively testing it, to make sure that the various trading modes are solid to avoid issues in the futures.

In order to work without any issues, you have to use a broker which offer the 28 standards pairs.

This Dashboard comes as an EA so please install it in your MT4 experts directory.

Dashboard settings are really straight forward. Below is a quick description of the sub DB EA sections functions.



3. INITIALISATION

When you attach the sub DB on a chart you will see the following chart:



You can note that there is only 1 filter activated: The candle direction filter.



4. ABOUT SIGNALS

You can note in the upper part of the DB that there are 5 signals available, those 5 signals allow the user to generate complex combinations of signals in the Dashboard:

Signal: 1
Signal: 2
Signal: 3
Signal: 4
Signal: 5

	1	2	3	4	5
AUDCAD	ex	ex	ex	ex	ex
AUDCHF					
AUDJPY					
AUDNZD					
AUDUSD					
CADCHF					
CADJPY					
CHFJPY					
EURAUD					
EURCAD					
EURCHF					
EURGBP					
EURJPY					
EURNZD					
EURUSD					
GBPAUD					
GBPCAD					
GBPCHF					
GBPJPY					
GBPNZD					
GBPUSD					
NZDCAD					
NZDCHF					
NZDJPY					
NZDUSD					
USDCAD					
USDCHF					
USDJPY					

@ Weight 0
@ Trend
@ Level
@ Setup
@ Coment

On the next screenshot, we can note that the filter is used only for signals 1, 3 & 5:

Signal: 1
Signal: 2
Signal: 3
Signal: 4
Signal: 5

	1	2	3	4	5
1	ex	ex	ex	ex	ex



Here an example of signals with 2 filters activated, we can note that the signals are valid only when filters are in the same direction:

	Bar 1	Bar 3	SIGNALS				
	MN	D1	1	2	3	4	5
			ex	ex	ex	ex	ex
Signal: 1	●	●					
Signal: 2							
Signal: 3	●	●					
Signal: 4							
Signal: 5	●	●					
AUDCAD	■	■	■		■		■
AUDCHF	■	■					
AUDJPY	■	■					
AUDNZD	■	■					
AUDUSD	■	■					
CADCHF	■	■					
CADJPY	■	■	■		■		■
CHFJPY	■	■	■		■		■
EURAUD	■	■					
EURCAD	■	■					
EURCHF	■	■	■		■		■
EURGBP	■	■					
EURJPY	■	■	■		■		■
EURNZD	■	■					
EURUSD	■	■	■		■		■
GBPAUD	■	■	■		■		■
GBPCAD	■	■	■		■		■
GBPCHF	■	■					
GBPJPY	■	■					
GBPNZD	■	■					
GBPUSD	■	■					
NZDCAD	■	■					
NZDCHF	■	■	■		■		■
NZDJPY	■	■	■		■		■
NZDUSD	■	■	■		■		■
USDCAD	■	■	■		■		■
USDCHF	■	■	■		■		■
USDJPY	■	■					
@ Weight	0	0					
@ Trend							
@ Level							
@ Setup							
@ Coment							



In order to get signals, for every single filter, you have to choose by which signal it will be used.

In the DB settings, for every single filter, you have to input numbers from 1 to 5 (separated with a coma “,”). In the example below the Candle filter will be used by signal 1, 3 & 5:

Expert - ! - !-GiG-!-Dashboard-05-Sub

Variable	Value
ab
ab	<<<==== [05] CANDLE DIRECTION SIGNAL SETTINGS =====
ab
ab	=> Candle Timeframe 1 <=
Use Candle Timeframes 1 to filter trades ?	true
Timeframe used:	MN
Current bar = 0, previous bar closed = 1...	1
Use candle Timeframe 1 with signals:	1,3,5
Candle Timeframe 1 signal's weight	0
Refresh calculation on new bar TF:	M15
ab	-

This way of managing signals allow to generate up to 5 different signals per sub dashboard. (which avoid to have 1 sub dashboard per main dashboard).

You will have to set this for every single filter that you want to use.



In the screenshot below we can note that signals 1, 3 & 5 are using the candle filter 1 & 2 to generate signals and that the signals 2 and 4 are using only the candle filter 3.

	Bar 1	Bar 2	Bar 3	SIGNALS				
	MN	W1	D1	1	2	3	4	5
				ex	ex	ex	ex	ex
AUDCAD	■	■	■	■	■	■	■	■
AUDCHF	■	■	■	■	■	■	■	■
AUDJPY	■	■	■	■	■	■	■	■
AUDNZD	■	■	■	■	■	■	■	■
AUDUSD	■	■	■	■	■	■	■	■
CADCHF	■	■	■	■	■	■	■	■
CADJPY	■	■	■	■	■	■	■	■
CHFJPY	■	■	■	■	■	■	■	■
EURAUD	■	■	■	■	■	■	■	■
EURCAD	■	■	■	■	■	■	■	■
EURCHF	■	■	■	■	■	■	■	■
EURGBP	■	■	■	■	■	■	■	■
EURJPY	■	■	■	■	■	■	■	■
EURNZD	■	■	■	■	■	■	■	■
EURUSD	■	■	■	■	■	■	■	■
GBPAUD	■	■	■	■	■	■	■	■
GBPCAD	■	■	■	■	■	■	■	■
GBPCHF	■	■	■	■	■	■	■	■
GBPJPY	■	■	■	■	■	■	■	■
GBPNZD	■	■	■	■	■	■	■	■
GBPUSD	■	■	■	■	■	■	■	■
NZDCAD	■	■	■	■	■	■	■	■
NZDCHF	■	■	■	■	■	■	■	■
NZDJPY	■	■	■	■	■	■	■	■
NZDUSD	■	■	■	■	■	■	■	■
USDCAD	■	■	■	■	■	■	■	■
USDCHF	■	■	■	■	■	■	■	■
USDJPY	■	■	■	■	■	■	■	■

@ Weight	0	0	0
@ Trend			
@ Level			
@ Setup			
@ Coment			



5. SIGNALS MODE

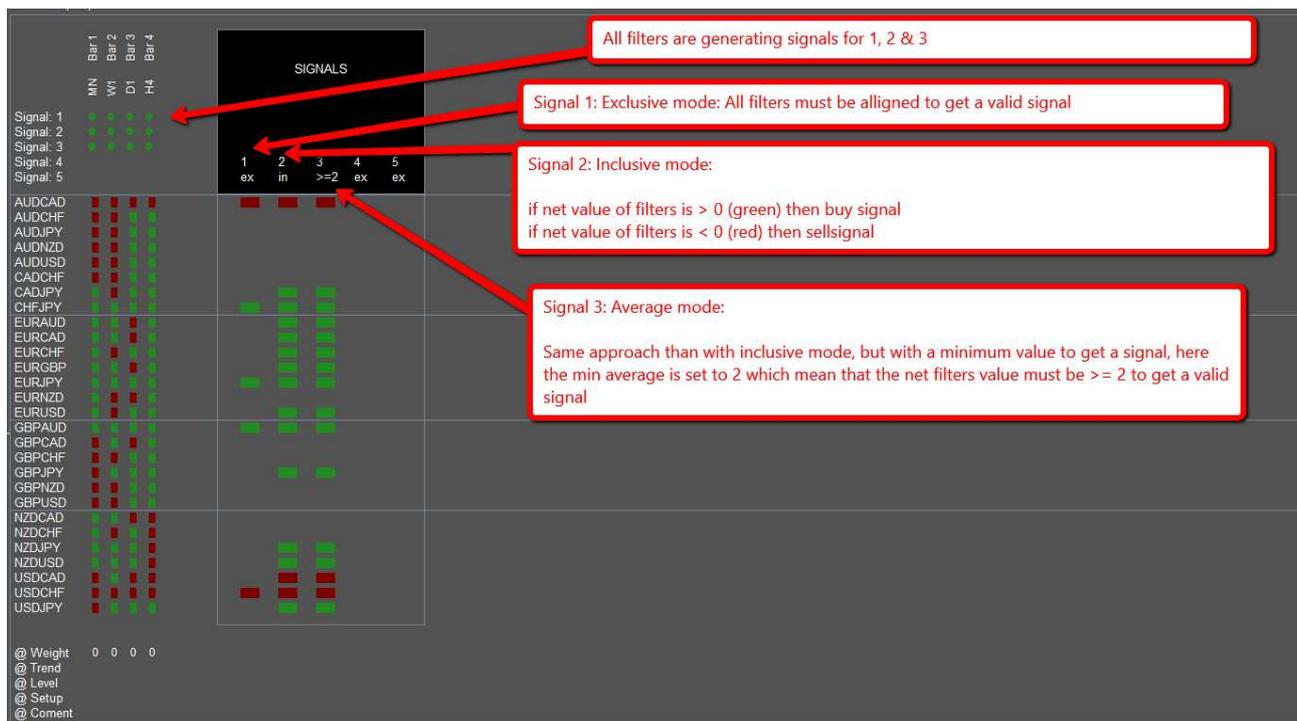
Signals 1 to 5 have 3 different potential modes:

- Exclusive
- Inclusive
- Average

- Exclusive: All filters must agree to generate a signal (all green or all red)

- Inclusive: the net amount of filter will generate a signal (if there are 3 green and 2 red, net = 1 green so there will be a green buy signal)

- Average: that's the same idea than with the inclusive mode, but you can set the minimum number of the net value (e.g: 2 or 3)





For every signal (from 1 to 5) you can set in the DB which signal mode to use and if you use the average mode, you can set the average value also:

Expert - 1 - I-GiG-I--Dashboard-05-Sub

About Common Inputs Dependencies

Variable	Value
ab -	=> Signals Magic Number for GV <=
123 First signal value:	1
123 Second signal value:	2
123 Third signal value:	3
123 Fourth signal value:	4
123 Fifth signal value:	5
ab -	=> Signals Mode <=
123 Signal 1 mode ?	Exclusive
123 Signal 2 mode ?	Inclusive
123 Signal 3 mode ?	Average
123 Signal 4 mode ?	Exclusive
123 Signal 5 mode ?	Exclusive
ab -	=> For Average Signals <=
123 Minimum average for signal 1:	3
123 Minimum average for signal 2:	3
123 Minimum average for signal 3:	2
123 Minimum average for signal 4:	3
123 Minimum average for signal 5:	3
ab -	=> Weight Signals <=
Signal 1 Weight ?	false

Load

Signals Magic number which will be used to send signals to the main DB. If you are using multiple sub DB instances, those numbers will have to be changed to e.g: 6, 7, 8, 9, 10

Signals mode per signal

If signal mode used is "average" you can set the minimum number of signals to get a valid signal

Settings to allow to weight the signals, more infos in the guide



6. WEIGHT SIGNALS

The DB allow to weight signals.

For every single filter, you can decide if you want to give it a weight:

Expert - 1 - I-GIG-I--Dashboard-05-Sub

Variable	Value
ab	=====
ab	<<<==== [05] CANDLE DIRECTION SIGNAL SETTINGS =====>>>
ab	=====
ab	=> Candle Timeframe 1 <=
<input checked="" type="checkbox"/> Use Candle Timeframes 1 to filter trades ?	true
Timeframe used:	MN
Current bar = 0, previous bar closed = 1...	1
Use candle Timeframe 1 with signals:	1,2,3
123 Candle Timeframe 1 signal's weight	1
Refresh calculation on new bar TF:	M15

This weight could be used later to increase lot size when trades will be opened by the main DB.

The various weights are summarized below the DB:

	Bar 1	Bar 2	Bar 3	Bar 4	SIGNALS				
	MN	W1	D1	H4	1	2	3	4	5
Signal:					ex	in	>=2	ex	ex
Signal: 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Signal: 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Signal: 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Signal: 4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Signal: 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
AUDCAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-3	-3	-3		
AUDCHF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
AUDJPY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
AUDNZD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
AUDUSD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
CADCHF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
CADJPY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
CHFJPY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	3		
EURAUD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
EURCAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
EURCHF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
EURGBP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
EURJPY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	3		
EURNZD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
EURUSD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
GBPAUD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	3		
GBPCAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
GBPCHF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
GBPJPY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
GBPNZD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
GBPUUSD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
NZDCAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
NZDCHF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
NZDJPY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	3		
NZDUSD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	3		
USDCAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-3	-3	-3		
USDCHF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1		
USDJPY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
@ Weight	1	1	1	0					
@ Trend									
@ Level									
@ Setup									
@ Coment									

When weight mode is on the weight is summarized in the signals column

Weight per filter

The weights are independent from the signals, the valid signals are not based on them.



On the screenshot above, we can see that the Bar 1 to 3 have a weight of 1 when Bar 4 do not have weight.

This feature might be useful in the future to weight signals on specific criteria's and do not weight basic filters (which should just be considered as filters).



7. FILTERS SETTINGS

For every single filter, you will have the following settings available:

- use filter: to activate the filter
- Timeframe: filter timeframe (the DB can be place on any timeframe as the TF used are set in the filters settings)
- Signals: set with which signals the filter should be used
- Weight: set potentially a weight for the filter
- Refresh: set on which periodicity the filter calculation will be refreshed. (higher value save some CPU resources...)



8. FILTERS

8.1. CANDLE DIRECTION

Candle direction filters are available up to 4 different timeframes or settings (with a shift on the current open candle or the last close candle).

This filter just gives the closing “direction” of candles (bull or bear).

8.2. CCFP

CCFp filters are available up to 4 different timeframes or settings. More infos about the CCFp settings are available in the forum

8.3. BBSQUEEZE

BBSqueeze filters are available up to 2 different timeframes or settings.





8.4. STOCHASTIC

Stochastic filters are available up to 2 different timeframes or settings.

There are 4 different triggers mode available:

- In__Trend__Coming__From__OBOS
- Above__Below__Threshold
- Main__Signal__Cross
- Main__Signal__Cross__in__OBOS

Explanation are given for a buy signal, the opposite is applicable for a sell:

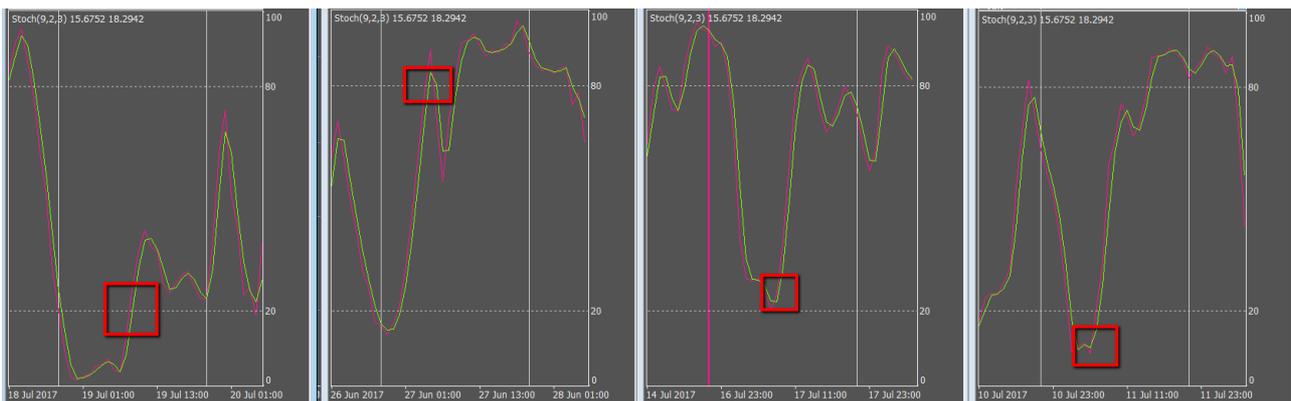
In__Trend__Coming__From__OBOS: Sto was below 20 (**threshold down**) on previous bar and is above 20 (**threshold down**) on current bar

Above__Below__Threshold: Sto was below 80 (**threshold up**) on previous bar and is above 80 (**threshold up**) on current bar

Main__Signal__Cross: Sto Main line was below Sto signal line on previous bar is above on current bar

Main__Signal__Cross__in__OBOS: Sto Main line was below Sto signal line on previous bar is above on current bar, and this cross occurrent in the Oversold zone (below **threshold down**)

Here the visual signification:



8.5. RSI

RSI filters are available up to 2 different timeframes or settings.

There are 2 different triggers mode available:

- In__Trend__Coming__From__OBOS
- Above__Below__Threshold



8.6. CCI

CCI filters are available up to 2 different timeframes or settings.

There are 2 different triggers mode available:

- In_Trend_Coming_From_OBOS
- Above_Below_Threshold

8.7. MAS

MAs filters are available up to 3 different timeframes or settings.

Each filter is composed of 2 MAs, a fast one and a slow one.

There are 3 different triggers mode available:

- Fast_Versus_Slow_Trend
- Fast_Versus_Slow_Trend_With_Price_Close
- Fast_Versus_Slow_Trend_Cross_With_Price_Close

Fast_Versus_Slow_Trend: Fast MA is above slow MA

Fast_Versus_Slow_Trend_With_Price_Close: Fast MA is above slow MA and price is above fast MA for a buy

Fast_Versus_Slow_Trend_Cross_With_Price_Close: Fast MA is above slow MA on current bar and was below on previous bar, and price is above fast MA for a buy

8.8. ICHIMOKU

Ichimoku filters are available up to 2 different timeframes or settings.

The 3 different Ichimoku lines are available for trigger:

- Tenkan
- Kijun
- Senkou

There are 3 different triggers mode available:

- Above_Below_Line
- Above_Below_Line_With_Price_Close
- Senkou_Cross



8.9. STRENGTH

Strength filter is available up to 1 different timeframe or settings.

You can choose between 3 different strength mode calculation:

- Buy_Sell_Ratio
- Pips_From_Daily_Open
- WPR

The strength is calculated per currency pair, weighted per currency and then reallocated per pair.

You can specify the threshold for Up and Down trend.

8.10. FRACTAL

Fractal filters are available up to 2 different timeframes or settings.

There are 2 different triggers mode available:

- Current_Price_Outside_Fractal
- Current_Price_Outside_Fractal_Previous_Inside

