

# **Steve Hopwood's Boris Schlossberg Robots**

## ***Settings Guide***

*Version 1.2*

**The Steve Hopwood-Boris Schlossberg Robots  
are Expert Advisors for the Metatrader 4 Platform developed by:**

**Steve Hopwood  
with contributions from readers of the  
thread at Forex Factory**

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# Disclaimer and Risk Warnings

Trading any financial market involves risk. The content of this User Guide is neither a solicitation nor an offer to purchase or sell any financial instrument. Although every attempt has been made to assure accuracy, we do not give any express or implied warranty as to its accuracy. We do not accept any liability for error or omission.

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FOREX trading may have large potential rewards, but also may have large potential risk. You must be aware of the risks and be willing to accept them in order to invest in and trade in the FOREX market. Past performance of any trading system or methodology is not necessarily indicative of future results.

Neither Steve Hopwood nor any contributors to the development of the Steve Hopwood – Boris Schlossberg Robots nor the author(s) of this User Guide bear any liability for any losses that may be incurred for any reason in the use of the Robots or for any other reason whatsoever. No representation is made herein that any account will or is likely to achieve profits or losses.

**It is highly recommended that you do not trade The Steve Hopwood – Boris Schlossberg Robots on a live account until you have tested them on a demo account and have learned how they operate.**

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# Introduction:

The Steve Hopwood – Boris Schlossberg Robots were developed on the Forex Factory thread <http://www.forexfactory.com/showthread.php?t=216557> by Steve Hopwood, with the strategic inspiration and insights of Boris Schlossberg and Kathy Lien.

Steve Hopwood is a frequent contributor to Forex Factory, producing many Expert Advisors and trade management tools.

Boris Schlossberg and Kathy Lien are experienced Forex traders, educators and consultants.

The strategies behind The Steve Hopwood – Boris Schlossberg Robots are based directly on strategies taught by Boris Schlossberg and Kathy Lien. At the time of the writing of this “Settings Guide,” Steve Hopwood had produced the following Robots:

1. Steve Hopwood's Bollinger Bands BS trend exhaustion trader with volatility stop
2. Steve Hopwood's Bollinger Bands BS pure trend trader
3. Steve Hopwood's BS Moving Average and MACD combo
4. Steve Hopwood's BS 5 minute momo multi-pair
5. Steve Hopwood's BS Asian session breakout multi-pair
6. Steve Hopwood's BS Do The Right Thing CCI multi-pair
7. Steve Hopwood's BS 10 a day multi-pair

Reference to each robot's underlying strategy can be found at the Forex Factory thread on the first post in the “Trading Systems.zip” file. Simply download and unzip this file to access a description of each strategy.

On post 1 of the Thread can also be found downloadable attachments for each of the Trading Robots, indicators needed and templates.

It is **HIGHLY RECOMMENDED** that you read about the strategies for each robot to better understand each of the robot settings.

# Settings:

The settings for each of the Steve Hopwood – Boris Schlossberg Robots are provided. Many of the robots have many settings in common that a user can configure. These settings are very important for the Robot to work properly.

Settings that are expressed in pips are entered as if for a 5 digit broker. The robots will convert the setting for a 4 digit broker automatically. For example, enter 200 will mean 20 pips for either a 5 digit or a 4 digit broker.

Settings expressed in hours, minutes or time are input in **LOCAL TIME** which means the clock time of the computer on which you are running the Robot.

Local Time is not the time zone of your broker platform.

Keep in mind that Local Time may be in Standard or Daylight Savings Time depending on the time of year.

**Please be sure you fully understand the concept of Local Time when entering settings values.**

Included in Appendix A is a detailed explanation of Local. It is highly recommended that you read this Appendix.

On the following pages is a grid listing each Setting Name, the Default Setting and a Description of each Setting for each Robot.

## BOLLINGER BANDS BS TREND EXHAUSTION TRADER WITH VOLATILITY STOP

Setting Name	Default Setting	Description
LongTradeAllowed	True	This setting controls whether the robot will be allowed to take long trades. When set to “True” the robot will take long trades. When set to “False” the robot will be prevented from taking long trades.
ShortTradeAllowed	True	This setting controls whether the robot will be allowed to take short trades. When set to “True” the robot will take short trades. When set to “False” the robot will be prevented from taking short trades.
Lot	0.01	This is the starting lot size you wish to use for your trades.
MagicNumber	4872635	This sets the Magic Number to distinguish the Robot’s trades from trades of other systems on the same account.
TradeComment	BB	This is the comment you will find attached to each trade in the Metatrader Terminal. You can set the comment to whatever you want or leave the default.
MaxSpread	120 (12 pips)	<p>This setting establishes the maximum spread allowed for the Robot to enter the trade. The default is coded for a 5 digit broker price feed.</p> <p>If using a 4 digit Broker, enter this value as if for a 5 digit broker. The Robot will automatically adjust the value to work on a 4 digit broker.</p>
UseHardTakeProfit	False	When set to “True” the robot will use the take profit coded into the robot. Check the Strategy document for the robot to understand what take profit applies to the robot. When set to “False,” jumping stops will be used by the robot to close trades.

JumpingStop	False	<p>This turns on jumping stops when set to “true.” A jumping stop will move the stop loss to breakeven when price reaches JumpingStopPips from order entry price, and then will continue to move the stop loss by JumpingStopPips as price continues to move that number of pips.</p> <p>For example, with JumpingStop set to “True” with JumpingStopPips set to 1000, when price moves 100 pips from entry price, stop loss will be moved to breakeven. Then as price moves a further 100 pips (200 pips from entry price), stop loss will be moved by 100 pips breakeven stop loss + 100 pips. Each 100 pips move in price will cause the stop loss to jump by 100 pips.</p>
JumpingStopPips	1000 (100 pips)	This sets the number of pips for price to move to trigger each jump in stop loss.
AddBEP	True	When set to “True” the number of pips specified in BreakEvenProfit will be added to the breakeven stop loss established in Jumping Stops. When set to “False” no pips will be added to the breakeven stop loss.
BreakEvenProfit	100 (10 pips)	This is the number of pips that will be added to the breakeven stop loss when AddBEP is set to true.
HideJumpingStop	False	When set to “True” your real jumping stop loss will be hidden from your broker.
PipsAwayFromVisualJS	100 (10 pips)	This is the number of pips away from the stop loss shown in the trade you want your real stop. The stop loss shown in your trade is an “emergency” stop loss because this is what the broker will use to close your trade if your platform is disconnected. However, you may want to have a stop loss that is managed by the robot that is different from what your broker will use in the case of a disconnection of your platform. This is called your “real” stop loss.

		<p>For example, if you want a real stop loss of 20 pips and an emergency trade stop of 40, you would set:</p> <ul style="list-style-type: none"> <li>• JumpingStopPips = 400</li> <li>• PipsAwayFromVisualJS = 200</li> </ul>
UseNewsFilter	False	When set to “True” the robot will check the FFCal indicator for any upcoming news that would affect the currency pair(s) being traded.
MinsUntilNews	60	This is the number of minutes before an upcoming news item that the robot will not take any trades.
NewsImpact	3	<p>This setting tells the robot to use high, medium or low impact news to filter trades.</p> <p>A setting of:</p> <p>3 = Use only high impact news  2 = Use Medium and high impact news  1 = Use low, medium and high impact news</p>
DisplayGapSize	30	Sets the horizontal distance from the left-hand side of the chart that the on chart information display will print. You may leave this setting at default.



## BOLLINGER BANDS BS PURE TREND TRADER

Setting Name	Default Setting	Description
LongTradeAllowed	True	This setting controls whether the robot will be allowed to take long trades. When set to “True” the robot will take long trades. When set to “False” the robot will be prevented from taking long trades.
ShortTradeAllowed	True	This setting controls whether the robot will be allowed to take short trades. When set to “True” the robot will take short trades. When set to “False” the robot will be prevented from taking short trades.
Lot	0.01	This is the starting lot size you wish to use for your trades.
MagicNumber	60993875	This sets the Magic Number to distinguish the Robot’s trades from trades of other systems on the same account.
TradeComment	Pure Trend	This is the comment you will find attached to each trade in the Metatrader Terminal. You can set the comment to whatever you want or leave the default.
MaxSpread	120 (12 pips)	<p>This setting establishes the maximum spread allowed for the Robot to enter the trade. The default is coded for a 5 digit broker price feed.</p> <p>If using a 4 digit Broker, enter this value as if for a 5 digit broker. The Robot will automatically adjust the value to work on a 4 digit broker.</p>
UseHardTakeProfit	False	When set to “True” the robot will use the take profit coded into the robot. Check the Strategy document for the robot to understand what take profit applies to the robot. When set to “False,” the robot will close the trade with jumping stops.

JumpingStop	False	<p>This turns on jumping stops when set to “true.” A jumping stop will move the stop loss to breakeven when price reaches JumpingStopPips from order entry price, and then will continue to move the stop loss by JumpingStopPips as price continues to move that number of pips.</p> <p>For example, with JumpingStop set to “True” with JumpingStopPips set to 1000, when price moves 100 pips from entry price, stop loss will be moved to breakeven. Then as price moves a further 100 pips (200 pips from entry price), stop loss will be moved by 100 pips breakeven stop loss + 100 pips. Each 100 pips move in price will cause the stop loss to jump by 100 pips.</p>
JumpingStopPips	1000 (100 pips)	This sets the number of pips for price to move to trigger each jump in stop loss.
AddBEP	True	When set to “True” the number of pips specified in BreakEvenProfit will be added to the breakeven stop loss established in Jumping Stops. When set to “False” no pips will be added to the breakeven stop loss.
BreakEvenProfit	100 (10 pips)	This is the number of pips that will be added to the breakeven stop loss when AddBEP is set to true.
HideJumpingStop	False	When set to “True” your real jumping stop loss will be hidden from your broker.
PipsAwayFromVisualJS	100 (10 pips)	This is the number of pips away from the stop loss shown in the trade you want your real stop. The stop loss shown in your trade is an “emergency” stop loss because this is what the broker will use to close your trade if your platform is disconnected. However, you may want to have a stop loss that is managed by the robot that is different from what your broker will use in the case of a disconnection of your platform. This is called your “real” stop loss.

		<p>For example, if you want a real stop loss of 20 pips and an emergency trade stop of 40, you would set:</p> <ul style="list-style-type: none"> <li>• JumpingStopPips = 400</li> <li>• PipsAwayFromVisualJS = 200</li> </ul>
UseNewsFilter	False	When set to “True” the robot will check the FFCal indicator for any upcoming news that would affect the currency pair(s) being traded.
MinsUntilNews	60	This is the number of minutes before an upcoming news item that the robot will not take any trades.
NewsImpact	3	<p>This setting tells the robot to use high, medium or low impact news to filter trades.</p> <p>A setting of:</p> <p>3 = Use only high impact news  2 = Use Medium and high impact news  1 = Use low, medium and high impact news</p>
DisplayGapSize	30	Sets the horizontal distance from the left-hand side of the chart that the on chart information display will print. You may leave this setting at default.

## BS MOVING AVERAGE AND MACD COMBO

Setting Name	Default Setting	Description
PairsToTrade	AUDJPY,AUDUSD, CADJPY,CHFJPY,E URAUD,EURCAD,E URCHF,EURGBP,E URJPY,EURUSD,G BPJPY,GBPUSD,US DCAD,USDCHF,US DJPY	<p>This setting is to list the currency pairs you wish to trade. You will see this setting for multi-pair robots that trade multiple pairs by running the robot on a single chart. You may chose to trade the default pairs for each robot, or chose to add or delete pairs you want to trade or test.</p> <p>Any pairs in the list must follow the correct format for this setting – the pair name followed by a comma using no spaces. For example, to add NZDJPY to the list the setting would read: AUDJPY,AUDUSD,NZDJPY Or, for example to trade only AUDJPY the setting would read: AUDJPY</p>
Lot	0.02	<p>This is the starting lot size you wish to use for your trades. Many of the Robots use a “half-close” of trades (scale out of trades) so the Lot setting must be a multiple of 2 of a lot size allowed by your broker.</p> <p>For example, if your broker uses a minimum lot size of 0.1, the minimum Lot setting you could use for a robot that scales out of trades with a half-close is 0.2.</p>
MagicNumber	4971887	This sets the Magic Number to distinguish the Robot’s trades from trades of other systems on the same account.
TradeComment	MA MACD	This is the comment you will find attached to each trade in the Metatrader Terminal. You can set the comment to whatever you want or leave the default.
MaxSpread	120 (12 pips)	This setting establishes the maximum spread allowed for the Robot to enter the trade. The default is coded for a 5 digit broker price feed.

		If using a 4 digit Broker, enter this value as if for a 5 digit broker. The Robot will automatically adjust the value to work on a 4 digit broker.
MaxTradesAllowed	15	This is the maximum number of trades the robot will open at any time. Limiting the maximum trades helps to prevent excessive drawdown when many trades are open at the same time.
SleepAfterTradeClosesMins	60	This sets the number of minutes after a trade closes for any given currency pair before another trade for the same pair may be opened. This setting helps to avoid opening a trade in the same direction of a trade that just closed. By allowing a period of time before another trade can be opened for the same currency pair, the robot waits to see if there may be a reversal of price, thus avoiding opening a trade in the wrong direction.
SendImmediateMarketOrder	False	When set to “True” this setting tells the robot to enter an order by sending an immediate market order. If using immediate market orders, this setting should be “True” and SendPendingOrder should be “False.”
SendPendingOrder	True	<p>When set to “True” this setting tells the robot to enter an order using pending orders using PendingOrderPips distance away from the immediate market order trigger price.</p> <p>The purpose of this setting is to avoid a condition where a price spike would trigger an immediate market order on the wrong side of the trade.</p> <p>If using pending orders, this setting should be “True” and SendImmediateMarketOrder should be “False.”</p>
PendingOrderPips	100 (10 pips)	This setting is the number of pips away from a trade trigger at which the pending order will be set.

PendingOrderDeleteMins	120	This is the number of minutes a pending order will be held until it expires and is deleted.
BEP	100 (10 pips)	This setting is the number of pips you want the market to move in your favor before the stop loss is moved to breakeven. This setting is independent of the Jumping Stop.
LongTradeAllowed	True	This setting controls whether the robot will be allowed to take long trades. When set to "True" the robot will take long trades. When set to "False" the robot will be prevented from taking long trades.
ShortTradeAllowed	True	This setting controls whether the robot will be allowed to take short trades. When set to "True" the robot will take short trades. When set to "False" the robot will be prevented from taking short trades.
OnlyTradeAtNewCandle	False	This setting controls whether an existing candle must fully close before a new trade will be allowed. When set to "True" a new trade will not be entered until after the current candle closes. When set to "False" a new trade can be entered before the current candle closes.
AlertNotTrade	False	When set to "True" the robot will revert to a manual trading mode and provide the user with an alert for trade setups. When set to "False" the robot will trade automatically.
JumpingStop	False	<p>This turns on jumping stops when set to "true." A jumping stop will move the stop loss to breakeven when price reaches JumpingStopPips from order entry price, and then will continue to move the stop loss by JumpingStopPips as price continues to move that number of pips.</p> <p>For example, with JumpingStop set to "True" with JumpingStopPips set to 1000, when price moves 100 pips from entry price, stop loss will be moved to breakeven. Then</p>

		as price moves a further 100 pips (200 pips from entry price), stop loss will be moved by 100 pips breakeven stop loss + 100 pips. Each 100 pips move in price will cause the stop loss to jump by 100 pips.
JumpingStopPips	1000 (100 pips)	This sets the number of pips for price to move to trigger each jump in stop loss.
AddBEP	True	When set to “True” the number of pips specified in BreakEvenProfit will be added to the breakeven stop loss established in Jumping Stops. When set to “False” no pips will be added to the breakeven stop loss.
BreakEvenProfit	100 (10 pips)	This is the number of pips that will be added to the breakeven stop loss when AddBEP is set to true.
HideJumpingStop	False	When set to “True” your real jumping stop loss will be hidden from your broker.
PipsAwayFromVisualJS	100 (10 pips)	<p>This is the number of pips away from the stop loss shown in the trade you want your real stop. The stop loss shown in your trade is an “emergency” stop loss because this is what the broker will use to close your trade if your platform is disconnected. However, you may want to have a stop loss that is managed by the robot that is different from what your broker will use in the case of a disconnection of your platform. This is called your “real” stop loss.</p> <p>For example, if you want a real stop loss of 20 pips and an emergency trade stop of 40, you would set:</p> <ul style="list-style-type: none"> <li>• JumpingStopPips = 400.</li> <li>• PipsAwayFromVisualJS = 200</li> </ul>
start_hourm	0	<p>This is the starting hour between 0 and 12 hours (morning hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is</p>

		located.
end_hourem	12	<p>This is the ending hour between 0 and 12 hours (morning hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
start_hourem	12	<p>This is the starting hour between 12 and 24 hours (evening hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
end_hourem	24	<p>This is the ending hour between 12 and 24 hours (evening hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
FridayClose	True	<p>This setting when “True” will cause the robot to stop opening any new trades on Friday after the time set in CloseHour.</p> <p>If FridayClose is “True” then SaturdayClose must be set to “False.”</p>
SaturdayClose	False	<p>This setting when “True” will cause the robot to stop opening any new trades on Saturday after the time set in CloseHour.</p> <p>If SaturdayClose is “True” then FridayClose must be set to “False.”</p>
CloseHour	12	This tells the Robot in local computer time at what hour to stop opening new trades on Friday or Saturday.
DisplayGapSize	30	Sets the horizontal distance from the left-hand side of the chart that the on chart



		information display will print. You may leave this setting at default.
ShowPairsInformation	True	When set to “True” the robot will display information on the chart.

## BS 5 MINUTE MOMO MULTI-PAIR

Setting Name	Default Setting	Description
PairsToTrade	AUDJPY,AUDUSD, CADJPY,CHFJPY,E URAUD,EURCAD,E URCHF,EURGBP,E URJPY,EURUSD,G BPJPY,GBPUSD,US DCAD,USDCHF,US DJPY	<p>This setting is to list the currency pairs you wish to trade. You will see this setting for multi-pair robots that trade multiple pairs by running the robot on a single chart. You may chose to trade the default pairs for each robot, or chose to add or delete pairs you want to trade or test.</p> <p>Any pairs in the list must follow the correct format for this setting – the pair name followed by a comma using no spaces. For example, to add NZDJPY to the list the setting would read: AUDJPY,AUDUSD,NZDJPY Or, for example to trade only AUDJPY the setting would read: AUDJPY</p>
Lot	0.02	<p>This is the starting lot size you wish to use for your trades. Many of the Robots use a “half-close” of trades (scale out of trades) so the Lot setting must be a multiple of 2 of a lot size allowed by your broker.</p> <p>For example, if your broker uses a minimum lot size of 0.1, the minimum Lot setting you could use for a robot that scales out of trades with a half-close is 0.2.</p>
MagicNumber	6381345	This sets the Magic Number to distinguish the Robot’s trades from trades of other systems on the same account.
TradeComment	5MM	This is the comment you will find attached to each trade in the Metatrader Terminal. You can set the comment to whatever you want or leave the default.
MaxSpread	120 (12 pips)	This setting establishes the maximum spread allowed for the Robot to enter the trade. The default is coded for a 5 digit broker price feed.

		If using a 4 digit Broker, enter this value as if for a 5 digit broker. The Robot will automatically adjust the value to work on a 4 digit broker.
MaxTradesAllowed	6	This is the maximum number of trades the robot will open at any time. Limiting the maximum trades helps to prevent excessive drawdown when many trades are open at the same time.
SleepAfterTradeClosesMins	60	This sets the number of minutes after a trade closes for any given currency pair before another trade for the same pair may be opened. This setting helps to avoid opening a trade in the same direction of a trade that just closed. By allowing a period of time before another trade can be opened for the same currency pair, the robot waits to see if there may be a reversal of price, thus avoiding opening a trade in the wrong direction.
SendImmediateMarketOrder	False	When set to “True” this setting tells the robot to enter an order by sending an immediate market order. If using immediate market orders, this setting should be “True” and SendPendingOrder should be “False.”
SendPendingOrder	True	<p>When set to “True” this setting tells the robot to enter an order using pending orders using PendingOrderPips distance away from the immediate market order trigger price.</p> <p>The purpose of this setting is to avoid a condition where a price spike would trigger an immediate market order on the wrong side of the trade.</p> <p>If using pending orders, this setting should be “True” and SendImmediateMarketOrder should be “False.”</p>
PendingOrderPips	100 (10 pips)	This setting is the number of pips away from a trade trigger at which the pending order will be set.

PendingOrderDeleteMins	30	This is the number of minutes a pending order will be held until it expires and is deleted.
BEP	100 (10 pips)	This setting is the number of pips profit you want to lock in when the robot moves the stop loss to breakeven. The setting is independent of the Jumping stop.
FullCloseAtBreakeven	False	This setting when “True” will cause the robot to close the full trade at breakeven. The robot will not scale out of the trade by making a partial closure. When set to “False” the robot will scale out of the trade in accordance with the robot’s trade strategy.
LongTradeAllowed	True	This setting controls whether the robot will be allowed to take long trades. When set to “True” the robot will take long trades. When set to “False” the robot will be prevented from taking long trades.
ShortTradeAllowed	True	This setting controls whether the robot will be allowed to take short trades. When set to “True” the robot will take short trades. When set to “False” the robot will be prevented from taking short trades.
AlertNotTrade	False	When set to “True” the robot will revert to a manual trading mode and provide the user with an alert for trade setups. When set to “False” the robot will trade automatically.
Aggressive	False	<p>This setting is for establishing whether stop loss should be aggressive or conservative. The “Aggressive” setting places the stop loss at the swing low/high.</p> <p>For aggressive stop loss, set Aggressive to “True” and Conservative to “False.”</p>
Conservative	True	This setting is for establishing whether stop loss should be aggressive or conservative. The “Conservative” setting places the stop loss 20 pips below/above the 20 period EMA.

		For conservative stop loss, set Conservative to “True” and Aggressive to “False.”
TSL	Trailing Stop Loss	
HideTrailingStop	False	Set to “True” the trailing stop loss will be hidden from brokers.
PipsAwayFromVisualTS	50 (5 pips)	<p>This is the number of pips away from the stop loss shown in the trade you want your real stop. The stop loss shown in your trade is an “emergency” stop loss because this is what the broker will use to close your trade if your platform is disconnected. However, you may want to have a stop loss that is managed by the robot that is different from what your broker will use in the case of a disconnection of your platform. This is called your “real” stop loss.</p> <p>For example, if you want a real stop loss of 20 pips and an emergency trade stop of 40, you would set:</p> <ul style="list-style-type: none"> <li>• TrailingStopPips = 400</li> <li>• PipsAwayFromVisualJS = 200</li> </ul> <p>If the robot does not have a TrailingStopPips setting, this is because a trailing stop is hard coded into the robot.</p>
OnlyTradeAtNewCandle	False	This setting controls whether an existing candle must fully close before a new trade will be allowed. When set to “True” a new trade will not be entered until after the current candle closes. When set to “False” a new trade can be entered before the current candle closes.
start_hourm	0	<p>This is the starting hour between 0 and 12 hours (morning hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>

end_hourm	12	<p>This is the ending hour between 0 and 12 hours (morning hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
start_houre	12	<p>This is the starting hour between 12 and 24 hours (evening hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
end_houre	24	<p>This is the ending hour between 12 and 24 hours (evening hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
FridayClose	True	<p>This setting when “True” will cause the robot to stop opening any new trades on Friday after the time set in CloseHour.</p> <p>If FridayClose is “True” then SaturdayClose must be set to “False.”</p>
SaturdayClose	False	<p>This setting when “True” will cause the robot to stop opening any new trades on Saturday after the time set in CloseHour.</p> <p>If SaturdayClose is “True” then FridayClose must be set to “False.”</p>
CloseHour	12	<p>This tells the Robot in local computer time at what hour to stop opening new trades on Friday or Saturday.</p>
DisplayGapSize	30	<p>Sets the horizontal distance from the left-hand side of the chart that the on chart information display will print. You may leave this setting at default.</p>

ShowPairsInformation	True	When set to “True” the robot will display information on the chart.

## BS ASIAN SESSION BREAKOUT MULTI-PAIR

Setting Name	Default Setting	Description
PairsToTrade	AUDUSD, EURUSD, GBPUSD, USDJPY	<p>This setting is to list the currency pairs you wish to trade. You will see this setting for multi-pair robots that trade multiple pairs by running the robot on a single chart. You may choose to trade the default pairs for each robot, or choose to add or delete pairs you want to trade or test.</p> <p>Any pairs in the list must follow the correct format for this setting – the pair name followed by a comma using no spaces. For example, to add NZDJPY to the list the setting would read: AUDJPY, AUDUSD, NZDJPY Or, for example to trade only AUDJPY the setting would read: AUDJPY</p>
Lot	0.02	<p>This is the starting lot size you wish to use for your trades. Many of the Robots use a “half-close” of trades (scale out of trades) so the Lot setting must be a multiple of 2 of a lot size allowed by your broker.</p> <p>For example, if your broker uses a minimum lot size of 0.1, the minimum Lot setting you could use for a robot that scales out of trades with a half-close is 0.2.</p>
MagicNumber	283505	This sets the Magic Number to distinguish the Robot’s trades from trades of other systems on the same account.
TradeComment	BS Asian Breakout	This is the comment you will find attached to each trade in the Metatrader Terminal. You can set the comment to whatever you want or leave the default.
MaxSpread	120 (12 pips)	This setting establishes the maximum spread allowed for the Robot to enter the trade. The default is coded for a 5 digit broker price feed.



		If using a 4 digit Broker, enter this value as if for a 5 digit broker. The Robot will automatically adjust the value to work on a 4 digit broker.
StopLossPips	200 (20 pips)	This sets stop loss in pips.
HalfClosePips	200 (20 pips)	This sets half-close in pips.
BEP	100 (10 pips)	This setting is the number of pips profit you want to lock in when the robot moves the stop loss to breakeven. The setting is independent of the Jumping stop.
SleepAfterTradeClosesMins	60	This sets the number of minutes after a trade closes for any given currency pair before another trade for the same pair may be opened. This setting helps to avoid opening a trade in the same direction of a trade that just closed. By allowing a period of time before another trade can be opened for the same currency pair, the robot waits to see if there may be a reversal of price, thus avoiding opening a trade in the wrong direction.
MaxTradingPipsFromHiLo	200 (20 pips)	This setting creates a 'trading box' from the session high to session high + MaxTradingPipsFromHiLo, and from session low to session low + MaxTradingPipsFromHiLo. The robot will not trade outside this box. This avoids entering a breakout trade late and at a price too high (long) or low (short) to sustain the move.
Asia_Start_Hour	22	Enter here the start of the Asian Session expressed in local computer time. According to Schlossberg, the Asian session begins at 22:00 GMT.
Asia_End_Hour	7	Enter here the end of the Asian Session expressed in local computer time. According to Schlossberg, the Asian session ends at 07:00 GMT.
Europe_Start_Hour	7	Enter here the start of the European

		(London) Session expressed in local computer time.
Europe_End_Hour	16	Enter here the end of the European (London) Session expressed in local computer time.
SendImmediateMarketOrder	True	When set to “True” this setting tells the robot to enter an order by sending an immediate market order. If using immediate market orders, this setting should be “True” and SendPendingOrder should be “False.”
Breakout_Pips	100 (10 pips)	The number of pips that the market needs to break out of the Asian session hi-lo before it sends a trade.
SendPendingOrder	False	<p>When set to “True” this setting tells the robot to enter an order using pending orders using PendingOrderPips distance away from the immediate market order trigger price.</p> <p>The purpose of this setting is to avoid a condition where a price spike would trigger an immediate market order on the wrong side of the trade.</p> <p>If using pending orders, this setting should be “True” and SendImmediateMarketOrder should be “False.”</p>
PendingOrderPips	100 (10 pips)	This setting is the number of pips away from a trade trigger at which the pending order will be set.
PendingOrderDeleteMins	30	This is the number of minutes a pending order will be held until it expires and is deleted.
AlertNotTrade	False	When set to “True” the robot will revert to a manual trading mode and provide the user with an alert for trade setups. When set to “False” the robot will trade automatically.
TSL	Trailing Stop Loss	
TrailingStopPips	200 (20 pips)	This is the number of pips you want to trail price for a trailing stop.

HideTrailingStop	False	Set to “True” the trailing stop loss will be hidden from brokers.
PipsAwayFromVisualTS	50 (5 pips)	<p>This is the number of pips away from the stop loss shown in the trade you want your real stop. The stop loss shown in your trade is an “emergency” stop loss because this is what the broker will use to close your trade if your platform is disconnected. However, you may want to have a stop loss that is managed by the robot that is different from what your broker will use in the case of a disconnection of your platform. This is called your “real” stop loss.</p> <p>For example, if you want a real stop loss of 20 pips and an emergency trade stop of 40, you would set:</p> <ul style="list-style-type: none"> <li>• TrailingStopPips = 400</li> <li>• PipsAwayFromVisualTS = 200</li> </ul>
FridayClose	True	<p>This setting when “True” will cause the robot to stop opening any new trades on Friday after the time set in CloseHour.</p> <p>If FridayClose is “True” then SaturdayClose must be set to “False.”</p>
SaturdayClose	False	<p>This setting when “True” will cause the robot to stop opening any new trades on Saturday after the time set in CloseHour.</p> <p>If SaturdayClose is “True” then FridayClose must be set to “False.”</p>
CloseHour	12	This tells the Robot in local computer time at what hour to stop opening new trades on Friday or Saturday.
DisplayGapSize	30	Sets the horizontal distance from the left-hand side of the chart that the on chart information display will print. You may leave this setting at default.
ShowPairsInformation	True	When set to “True” the robot will display information on the chart.

## BS DO THE RIGHT THING CCI MULTI-PAIR

Setting Name	Default Setting	Description
PairsToTrade	AUDJPY,AUDUSD, CADJPY,CHFJPY,E URAUD,EURCAD,E URCHF,EURGBP,E URJPY,EURUSD,G BPJPY,GBPUSD,US DCAD,USDCHF,US DJPY	<p>This setting is to list the currency pairs you wish to trade. You will see this setting for multi-pair robots that trade multiple pairs by running the robot on a single chart. You may chose to trade the default pairs for each robot, or chose to add or delete pairs you want to trade or test.</p> <p>Any pairs in the list must follow the correct format for this setting – the pair name followed by a comma using no spaces. For example, to add NZDJPY to the list the setting would read: AUDJPY,AUDUSD,NZDJPY Or, for example to trade only AUDJPY the setting would read: AUDJPY</p>
Lot	0.02	<p>This is the starting lot size you wish to use for your trades. Many of the Robots use a “half-close” of trades (scale out of trades) so the Lot setting must be a multiple of 2 of a lot size allowed by your broker.</p> <p>For example, if your broker uses a minimum lot size of 0.1, the minimum Lot setting you could use for a robot that scales out of trades with a half-close is 0.2.</p>
MagicNumber	1592820	This sets the Magic Number to distinguish the Robot’s trades from trades of other systems on the same account.
TradeComment	DTRT	This is the comment you will find attached to each trade in the Metatrader Terminal. You can set the comment to whatever you want or leave the default.
MaxSpread	120 (12 pips)	This setting establishes the maximum spread allowed for the Robot to enter the trade. The default is coded for a 5 digit broker price feed.

		If using a 4 digit Broker, enter this value as if for a 5 digit broker. The Robot will automatically adjust the value to work on a 4 digit broker.
MaxTradesAllowed	6	This is the maximum number of trades the robot will open at any time. Limiting the maximum trades helps to prevent excessive drawdown when many trades are open at the same time.
Cci_Period	20	This sets the period for the internal CCI indicator. The default of 20 is recommended by Schlossberg and Lien.
BEP	100 (10 pips)	This setting is the number of pips profit you want to lock in when the robot moves the stop loss to breakeven. The setting is independent of the trailing stop.
LongTradeAllowed	True	This setting controls whether the robot will be allowed to take long trades. When set to “True” the robot will take long trades. When set to “False” the robot will be prevented from taking long trades.
ShortTradeAllowed	True	This setting controls whether the robot will be allowed to take short trades. When set to “True” the robot will take short trades. When set to “False” the robot will be prevented from taking short trades.
AlertNotTrade	False	When set to “True” the robot will revert to a manual trading mode and provide the user with an alert for trade setups. When set to “False” the robot will trade automatically.
TSL	Trailing Stop Loss	
HideTrailingStop	False	Set to “True” the trailing stop loss will be hidden from brokers.
PipsAwayFromVisualTS	50 (5 pips)	This is the number of pips away from the stop loss shown in the trade you want your real stop. The stop loss shown in your trade is an “emergency” stop loss because this is what the broker will use to close your trade

		<p>if your platform is disconnected. However, you may want to have a stop loss that is managed by the robot that is different from what your broker will use in the case of a disconnection of your platform. This is called your “real” stop loss.</p> <p>For example, if you want a real stop loss of 20 pips and the emergency trade stop is 40, you would set:</p> <ul style="list-style-type: none"> <li>• TrailingStopPips = 400</li> <li>• PipsAwayFromVisualTS = 200</li> </ul> <p>If the robot does not have a TrailingStopPips setting, this is because a trailing stop is hard coded into the robot.</p>
MinsUntilNews	60	This is the number of minutes before an upcoming news item that the robot will not take any trades.
NewsImpact	3	<p>This setting tells the robot to use high, medium or low impact news to filter trades.</p> <p>A setting of:</p> <p>3 = Use only high impact news  2 = Use Medium and high impact news  1 = Use low, medium and high impact news</p>
start_hourm	0	<p>This is the starting hour between 0 and 12 hours (morning hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
end_hourm	12	<p>This is the ending hour between 0 and 12 hours (morning hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
start_houre	12	This is the starting hour between 12 and 24

		<p>hours (evening hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
end_houre	24	<p>This is the ending hour between 12 and 24 hours (evening hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
FridayClose	True	<p>This setting when “True” will cause the robot to stop opening any new trades on Friday after the time set in CloseHour.</p> <p>If FridayClose is “True” then SaturdayClose must be set to “False.”</p>
SaturdayClose	False	<p>This setting when “True” will cause the robot to stop opening any new trades on Saturday after the time set in CloseHour.</p> <p>If SaturdayClose is “True” then FridayClose must be set to “False.”</p>
CloseHour	12	<p>This tells the Robot in local computer time at what hour to stop opening new trades on Friday or Saturday.</p>
DisplayGapSize	30	<p>Sets the horizontal distance from the left-hand side of the chart that the on chart information display will print. You may leave this setting at default.</p>
ShowPairsInformation	True	<p>When set to “True” the robot will display information on the chart.</p>

## BS 10 A DAY MULTI-PAIR

Setting Name	Default Setting	Description
PairsToTrade	EURUSD	<p>This setting is to list the currency pairs you wish to trade. You will see this setting for multi-pair robots that trade multiple pairs by running the robot on a single chart. You may chose to trade the default pairs for each robot, or chose to add or delete pairs you want to trade or test.</p> <p>Any pairs in the list must follow the correct format for this setting – the pair name followed by a comma using no spaces. For example, to add NZDJPY to the list the setting would read: AUDJPY,AUDUSD,NZDJPY Or, for example to trade only AUDJPY the setting would read: AUDJPY</p>
Lot	0.01	This is the starting lot size you wish to use for your trades.
MagicNumber	7183149	This sets the Magic Number to distinguish the Robot's trades from trades of other systems on the same account.
TradeComment	10 a day	This is the comment you will find attached to each trade in the Metatrader Terminal. You can set the comment to whatever you want or leave the default.
MaxSpread	20 (2 pips)	<p>This setting establishes the maximum spread allowed for the Robot to enter the trade. The default is coded for a 5 digit broker price feed.</p> <p>If using a 4 digit Broker, enter this value as if for a 5 digit broker. The Robot will automatically adjust the value to work on a 4 digit broker.</p>
TradeBoxHigh	700 (70 pips)	The TradeBoxHigh and TradeBoxLow draw a 'trading box' around the nearest round number high/low. TradeBoxHigh sets the



		<p>number of pips above the nearest round number high/low, while TradeBoxLow sets the number of pips below the nearest round number high/low.</p> <p>The robot will only send trades if price falls within the ‘trading box’ defined by these settings. Otherwise, the robot will not take a trade.</p> <p>Read the document that explains the trade strategy for this robot to better understand these settings.</p>
TradeBoxLow	300 (30 pips)	<p>The TradeBoxHigh and TradeBoxLow draw a ‘trading box’ around the nearest round number high/low. TradeBoxHigh sets the number of pips above the nearest round number high/low, while TradeBoxLow sets the number of pips below the nearest round number high/low.</p> <p>The robot will only send trades if price falls within the ‘trading box’ defined by these settings. Otherwise, the robot will not take a trade.</p> <p>Read the document that explains the trade strategy for this robot to better understand these settings.</p>
SleepAfterLossMins	30	This sets how minutes the robot will sleep (stop trading) after a loss occurs.
TP	70 (7 pips)	This is the number of pips for take profit.
SL	100 (10 pips)	This is the number of pips for stop loss.
LongTradeAllowed	True	This setting controls whether the robot will be allowed to take long trades. When set to “True” the robot will take long trades. When set to “False” the robot will be prevented from taking long trades.
ShortTradeAllowed	True	This setting controls whether the robot will be allowed to take short trades. When set to

		<p>“True” the robot will take short trades. When set to “False” the robot will be prevented from taking short trades.</p>
AlertNotTrade	False	<p>When set to “True” the robot will revert to a manual trading mode and provide the user with an alert for trade setups. When set to “False” the robot will trade automatically.</p>
start_hourm	0	<p>This is the starting hour between 0 and 12 hours (morning hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
end_hourm	12	<p>This is the ending hour between 0 and 12 hours (morning hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
start_houre	12	<p>This is the starting hour between 12 and 24 hours (evening hours) you want the robot to start trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
end_houre	24	<p>This is the ending hour between 12 and 24 hours (evening hours) you want the robot to stop trading.</p> <p>This setting is in local time, the time on the computer where the trading platform is located.</p>
FridayClose	True	<p>This setting when “True” will cause the robot to stop opening any new trades on Friday after the time set in CloseHour.</p> <p>If FridayClose is “True” then SaturdayClose</p>

		must be set to “False.”
SaturdayClose	False	<p>This setting when “True” will cause the robot to stop opening any new trades on Saturday after the time set in CloseHour.</p> <p>If SaturdayClose is “True” then FridayClose must be set to “False.”</p>
CloseHour	6	This tells the Robot in local computer time at what hour to stop opening new trades on Friday or Saturday.
DisplayGapSize	30	Sets the horizontal distance from the left-hand side of the chart that the on chart information display will print. You may leave this setting at default.
ShowPairsInformation	True	When set to “True” the robot will display information on the chart.

# APPENDIX A:

## Understanding Local Time

### What is Local Time?

The settings for trading or session hours need to be entered in Local Time.

**Local Time is the time on the computer that is running the Robot.** This computer might be a personal computer at your home or office, a remote server such as a VPS (virtual private server), a hosted remote computer, or some other computer.

The point to clearly understand is that you need to know the time zone on the clock of the computer that is running the Robot.

If you are running the Robot on your home or office computer, the Local Time is whatever the computer clock says (assuming you have your home or office computer clock set to the time zone where you live).

If you are running the Robot on a VPS, Local Time is the time on which the VPS clock is running. A VPS may be located in a remote location in another time zone than where you live. In this case, the Local Time for the VPS may not be the time where you live.

Do not enter the time based on your Forex Broker's server time like many other Expert Advisors, unless the computer on which you are running the Robot and your broker's server are on the same time zone.

Do not enter the time in GMT like other many other Expert Advisors, unless the clock on the computer on which you are running the Robot is set in GMT.