Bullalgo Trading Systems, Inc.
Orion Bollinger Band (BB) Threshold Study Indicators
User Manual
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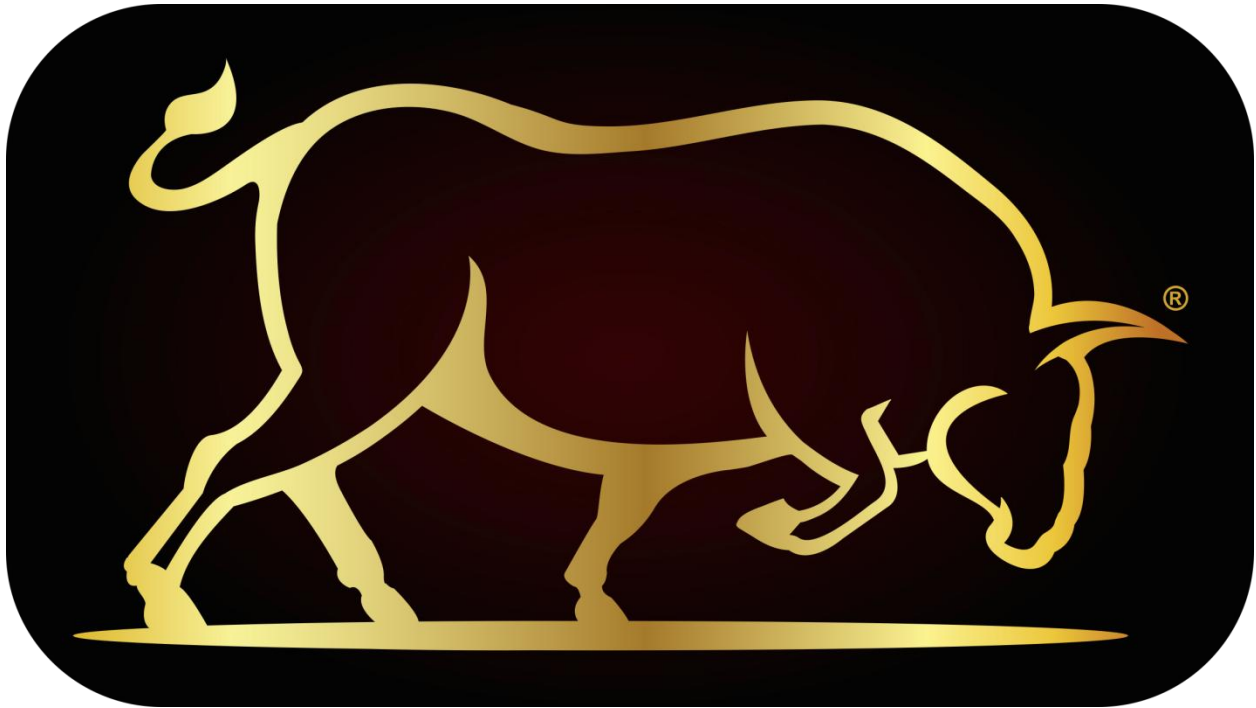
Orion Bollinger Band (BB) Threshold Study Indicators

The **Orion Bollinger Band (BB) Threshold Study Indicators** are a three separate indicator package that all have many functions and uses. These three indicators, **Orion BB Threshold Attack Gauge, Orion BB Threshold PS Gauge,** and **Orion BB Threshold RS Gauge** are all used in conjunction with the **Bollinger Band Threshold Defense** section inside the **Orion** program. **Bollinger Band Threshold Defense** can control and be setup to do many things such as exit a position that has pierced the bands, reverse a position once the bands have been pierced, ride the bands for huge gains and so much more.

Product Support, helpful tips, and other Bullalgo product users are hanging out in Bullalgo's trading forums **"The War Room"** located at **www.bullalgotradingsystems.com.** Come visit us!

Ryan Fuda

President/Developer
Bullalgo Trading Systems, Inc.
www.bullalgotradingsystems.com

Orion Bollinger Band Threshold Defense Indicators
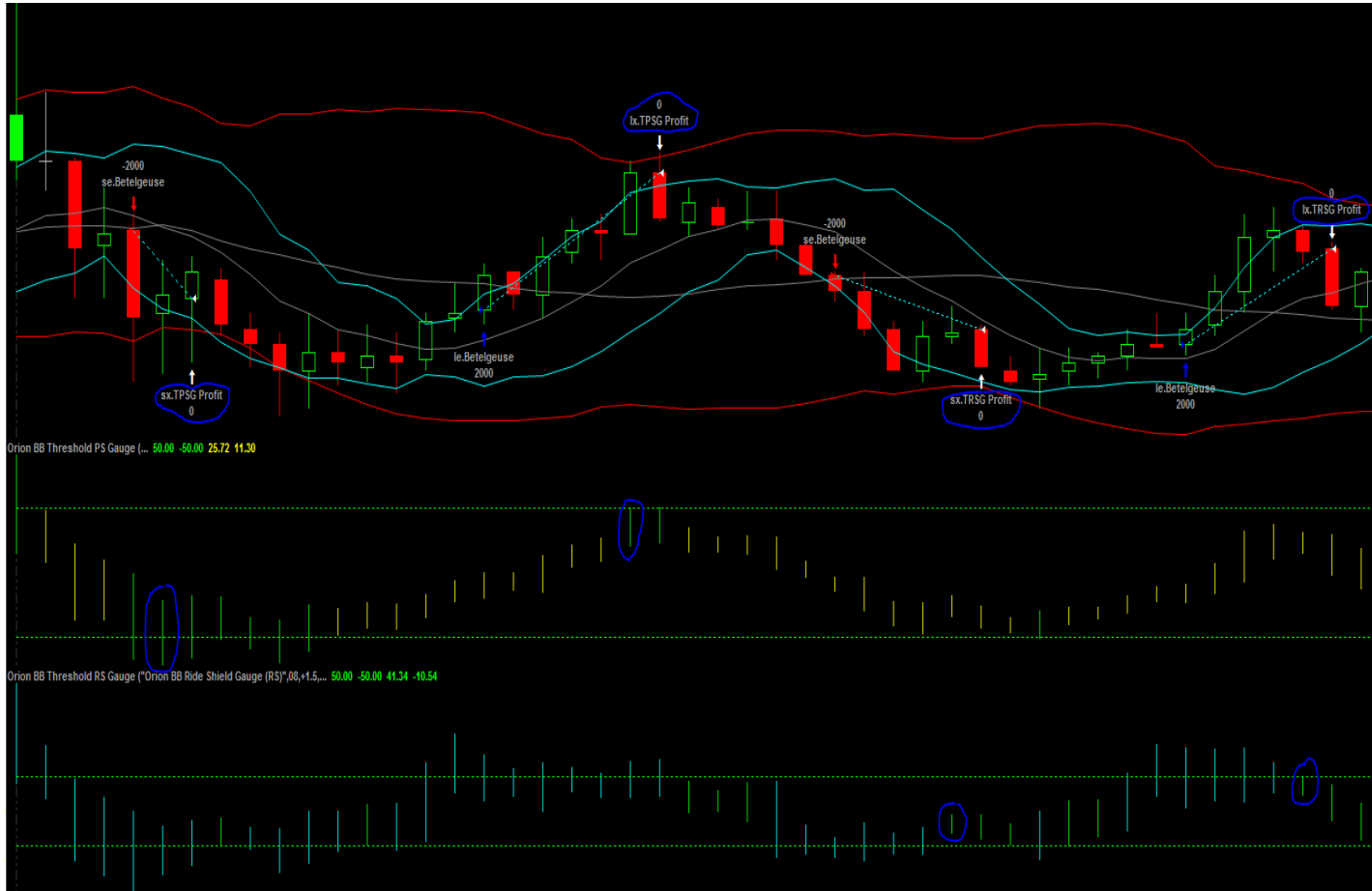
The Bollinger Band Threshold Defense section filters Orion by using Bollinger Bands to control Entries and Exits. This section is split into two subsections, one for Entries and the other for Exits.

"Redefining automated trading systems for everyone!
Not just for the select few any longer..."

(Entire BB Thresh Section explained)
Important Note: The Bollinger Band Threshold Defense section uses positive (+) and negative (-) values. Anything above the zero line in the indicator is entered as a positive value. Anything below the zero line in the indicator is entered as a negative value.

BB_Thresh_Master_Off_On = BB Threshold Defense Master Off/On Switch. "0=Off; 1=On". If this input is set < or = 0 then *BB_Thresh_Master_Off_On* completely disables the entire BB_Tresh section. BB_Tresh is enabled if the input value is > or = 1.

Orion BB Threshold Attack Gauge Indicator - Filters Entries.

BBThreshAttack Filter & **BBRedZone_Attack_Filter** - The *BBThreshAttack Filter* & *BBRedZone_Attack_Filter* - Stop new Entries from being executed when Anxiety thresholds have been breached.

0=Filter Off - Allows all Entries to be executed when "Orion *BB Threshold Attack Gauge"* thresholds have been breached. (Turns off the Orion BB Threshold Attack Gauge).
1=Filter Betel. - Prevents only Betelgeuse Entries from being executed when Orion BB Threshold Attack Gauge thresholds have been breached.
2=Filter Recal. - Prevents only Recalibration Entries from being executed when Orion BB Threshold Attack Gauge thresholds have been breached.
3= Filter All - Prevents all Entries from being executed when Orion BB Thresh Attack Gauge thresholds have been breached. (E.g. Betelgeuse, Recalibration, etc.)

BB_TAG_Length = Bollinger Band Length.

BB_TAG_Devs_Up = Bollinger Band deviations up.

BB_TAG_Devs_Dn = Bollinger Band deviations down.

BBRedZone_Bypass_Off_On = Prevents all Exits inside the *BB_Thresh RedZone* when turned 1=On .

BBRedZone_HighThresh_Int = This input sets the Red upper threshold line in the Orion BB Threshold Attack Gauge Indicator for a Long position. Once this user defined threshold is breached and inside both of the Red thresholds then the *Attack_Filter_Mode* setting becomes active. (0 = Input is Off).

BBRedZone_LowThresh_Int = This sets the Red lower threshold line in the Orion BB Threshold Attack Gauge Indicator for a Short position. Once this user defined threshold is breached and inside both of the Red thresholds then the *Attack_Filter_Mode* setting becomes active. (0 = Input is Off).

Orion BB Threshold Profit Shield "PS" Gauge Indicator -Bollinger Band Extreme Threshold Exits

BB_TPSG_Length = Bollinger Band Length.

BB_TPSG_Devs_Up = Bollinger Band deviations up.

BB_TPSG_Devs_Dn = Bollinger Band deviations down.

lx_BB_ProfitShield_Int = This input sets the upper threshold of the Orion BB Threshold PS Gauge for a Long position. Once the upper Orion BB Threshold PS Gauge threshold has been breached with a Closed bar, an Exit signal is generated for the current position at the Open of the next Bar.

sx_BB_ProfitShield_Int = This input sets the lower threshold of the Orion BB Threshold PS Gauge for a Short position. Once the lower Orion BB Threshold PS Gauge threshold has been breached with a Closed bar, an Exit signal is generated for the current position at the Open of the next Bar.

Orion BB Threshold Ride Shield "RS" Gauge Indicator -Bollinger Band Ride Threshold Exits

BB_TRSG_Length = Bollinger Band Length.

BB_TRSG_Devs_Up = Bollinger Band deviations up.

BB_TRSG_Devs_Dn = Bollinger Band deviations down.

lx_BB_RideShield_Int = This Input is designed to ride a Bollinger Band Long position move. ("*Riding the Bands*"). It will hold a Long position until the Green upper threshold is breached from above the threshold down and inside of the threshold on a Closed Bar basis.

sx_BB_RideShield_Int = This Input is designed to ride a Bollinger Band Short position move. ("*Riding the Bands*"). It will hold a Short position until the Green lower threshold has been breached from below the threshold up and inside of the threshold on a closed bar basis.

 lx_BB_RideBars_Int = Enter how many Cyan indicator Bars outside of the lx_BB_*RideShield_Int* threshold (top Green dotted line) are to be breached for a Long *TSG Ride* Exit.

>   **lx_BB_RideBars_Int Example**: Entering 2 in the input - After 2 bars have closed above the top dotted Green threshold the *lx.TSG* Ride Exit becomes active. Orion will then Exit the trade after a closed Cyan indicator Bar has taken place back within the top dotted Green threshold of the indicator.

sx_BB_RideBars_Int = Enter how many Cyan indicator bars outside of the sx_*BB_RideShield_Int* threshold (bottom Green dotted line) are to be breached for a Short *TSG Ride* Exit.

> **sx_BB_RideBars_Int Example**: Entering 2 in the input - After 2 bars have closed below the bottom dotted Green threshold the *sx.TSG* Ride Exit becomes active. Orion will then Exit the trade after a closed Cyan indicator Bar has taken place back within the bottom dotted Green threshold of the indicator.

lx_BB_RideNoExit_Off_On = When this input is turned 1=On , it turns off all other Long Exits in Orion except *lx_BB_ProfitShield_Int* to allow for a full ride of the Bollinger Band to maximize profit potential.

sx_BB_RideNoExit_Off_On = When this Input is turned 1=On , it turns off all other Short Exits in Orion except *sx_BB_ProfitShield_Int* to allow for a full ride of the Bollinger Band to maximize profit potential.
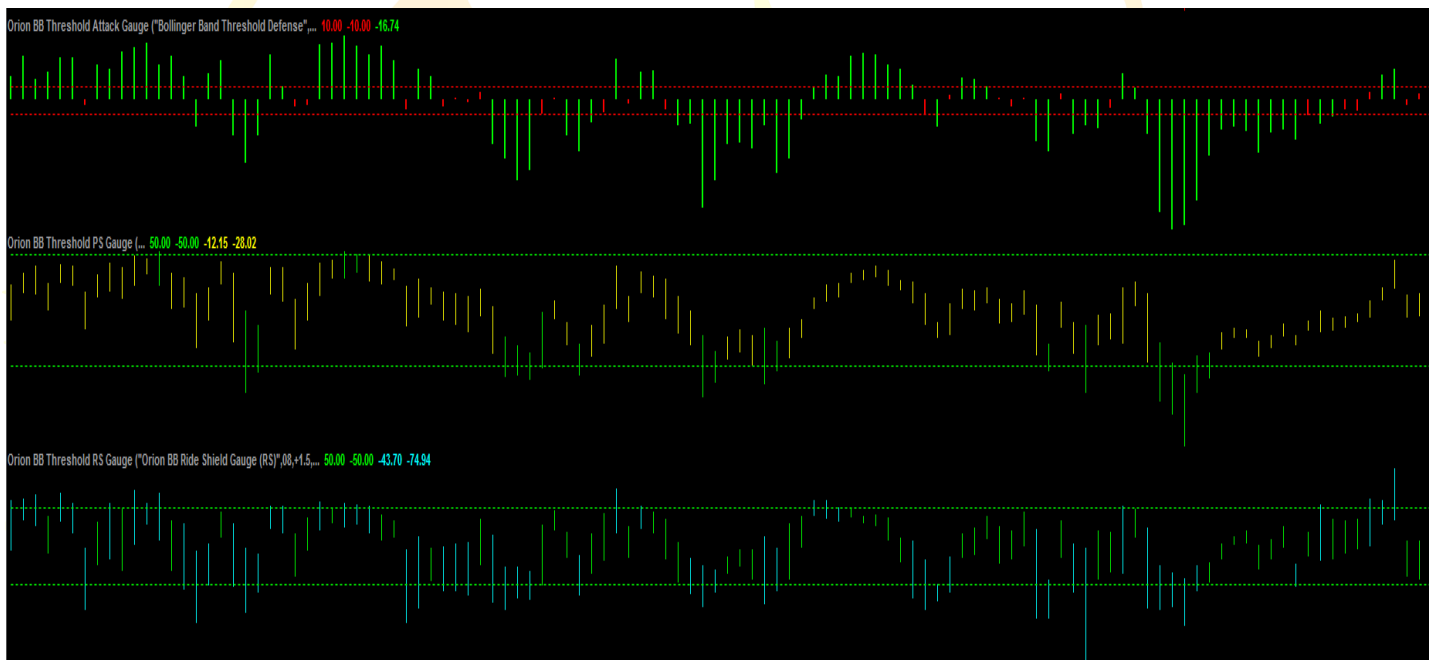
Orion BB Threshold Attack Gauge Study Indicator Set Up
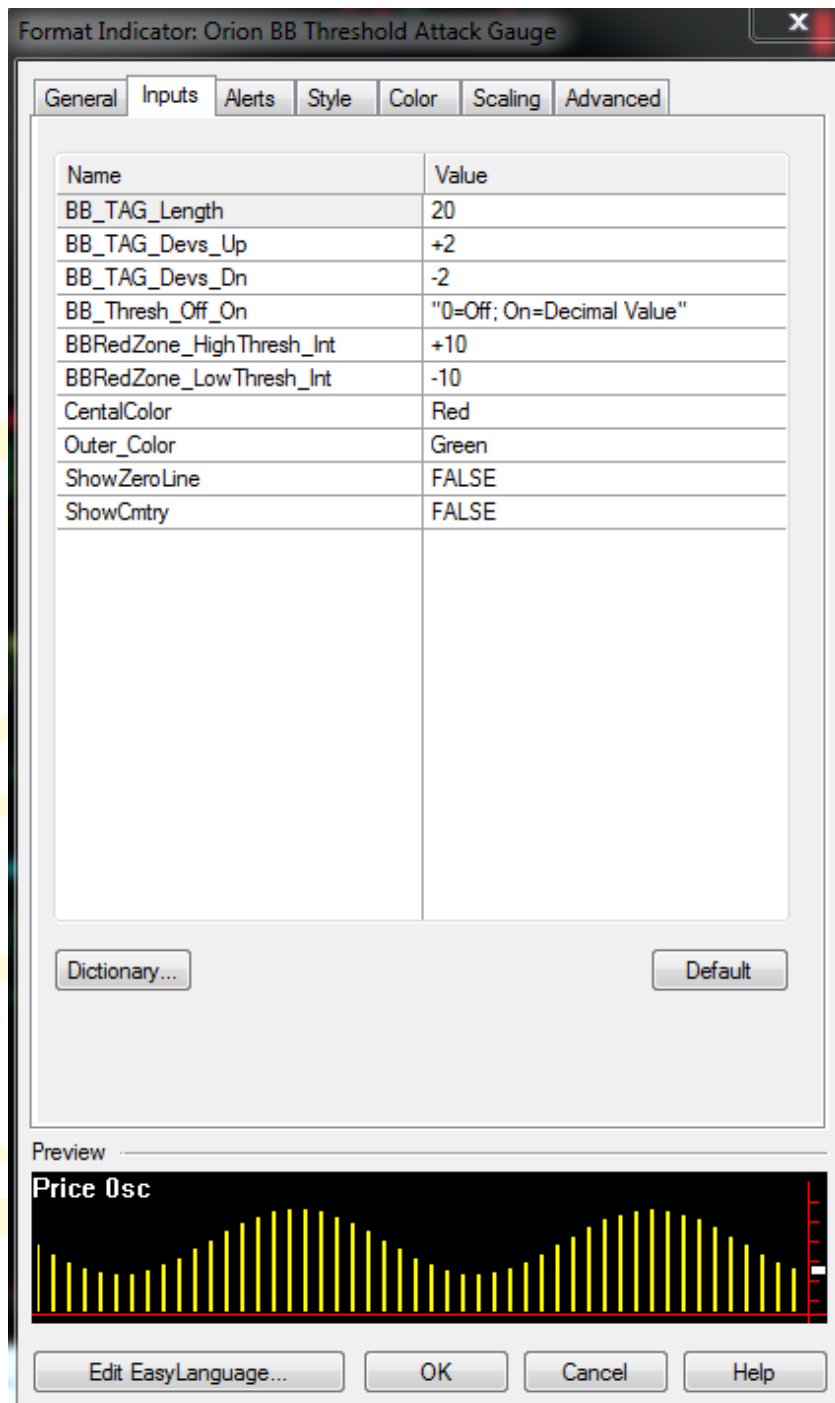
Simply input the same values you have in your Format Strategies Inputs window to setup the indicator.

To get to this window, be sure to install the indicator in Orion if not already installed. Next, double click one of the indicator's dots on the chart, or click Format >Analysis Techniques>select Orion BB Threshold Attack Gauge Indicator>Format.

Orion BB Threshold PS Gauge Study Indicator Set Up

Simply input the same values you have in your Format Strategies Inputs window to setup the indicator.

To get to this window, be sure to install the indicator in Orion if not already installed. Next, double click one of the indicator's dots on the chart, or click Format >Analysis Techniques>select Orion BB Threshold PS Gauge Indicator>Format.

Orion BB Threshold RS Gauge Study Indicator Set Up

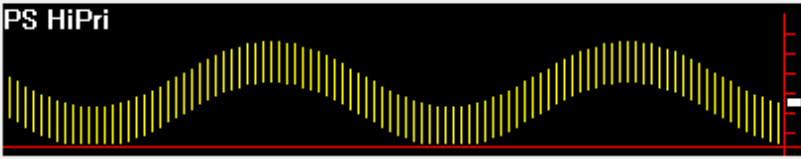**Format Indicator: Orion BB Threshold RS Gauge** ✕

| General | **Inputs** | Alerts | Style | Color | Scaling | Advanced |

Name	Value
BB_TSG_RS_Length	08
BB_TSG_RS_Devs_Up	+1.5
BB_TSG_RS_Devs_Dn	-1.5
BB_RS_Thresh_Off_On_Note	"0=Off; On=Decimal Value"
lx_BB_RideShield_Int	+50
sx_BB_RideShield_Int	-50
Outer_Color	Cyan
Inner_Color	Green
Do_Clip	FALSE
ShowCmtry	FALSE

Dictionary...   Default

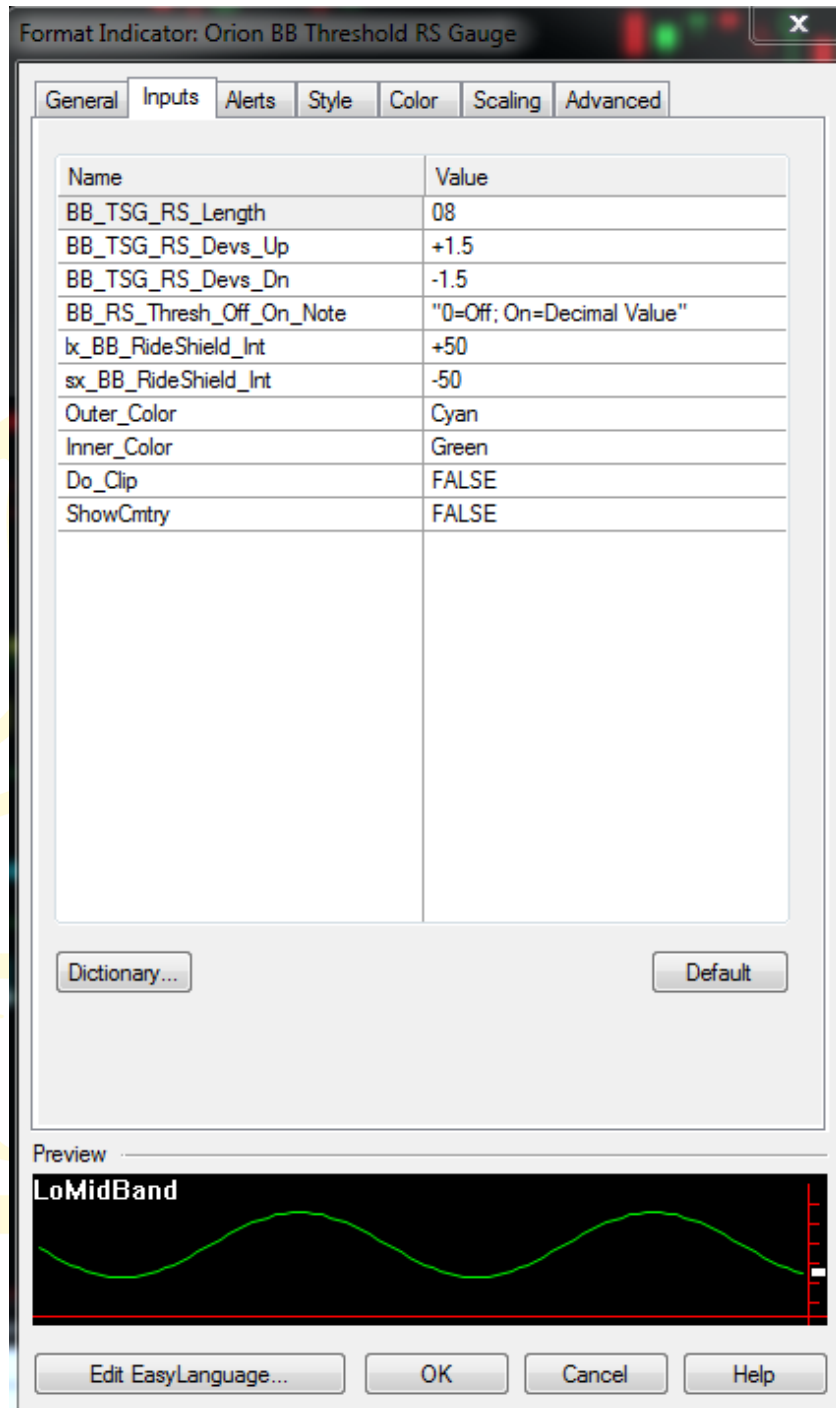**Preview**

**LoMidBand**

Edit EasyLanguage...   OK   Cancel   Help

Simply input the same values you have in your Format Strategies Inputs window to setup the indicator.

To get to this window, be sure to install the indicator in Orion if not already installed. Next, double click one of the indicator's dots on the chart, or click Format >Analysis Techniques>select Orion BB Threshold RS Gauge Indicator>Format.

Bullalgo Analysis Commentary

All Bullalgo products come equipped with programmed *Analysis Commentary* for visual play by play action of the product being used. At the bottom of any Bullalgo Trading Systems, Inc. product input list the user may set Analysis Commentary to "True" or "On". Then click the Analysis Commentary icon on the toolbar in TradeStation (pictured above). Next, click any bar in a chart and the Analysis Commentary window will display important information including what Entries or Exits are coming soon, Stop Losses approaching, Custom Indicator Parameters and so much more.
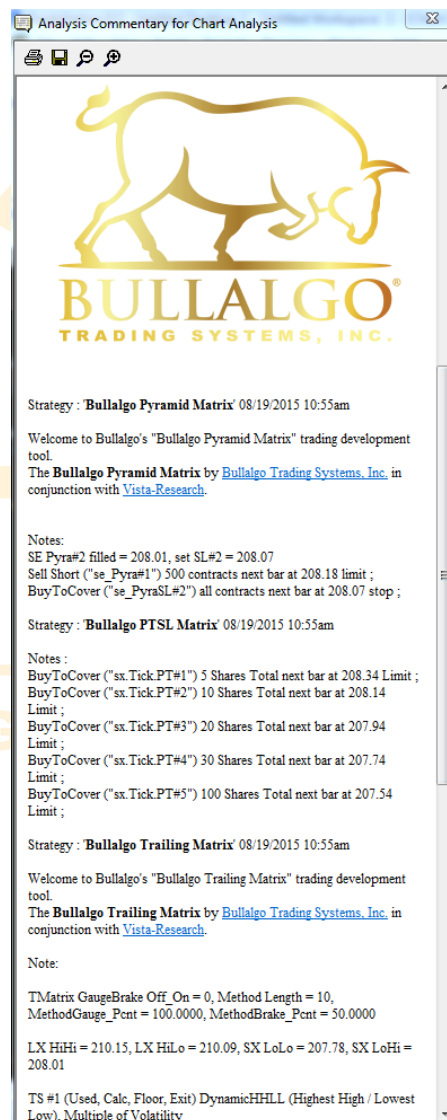
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