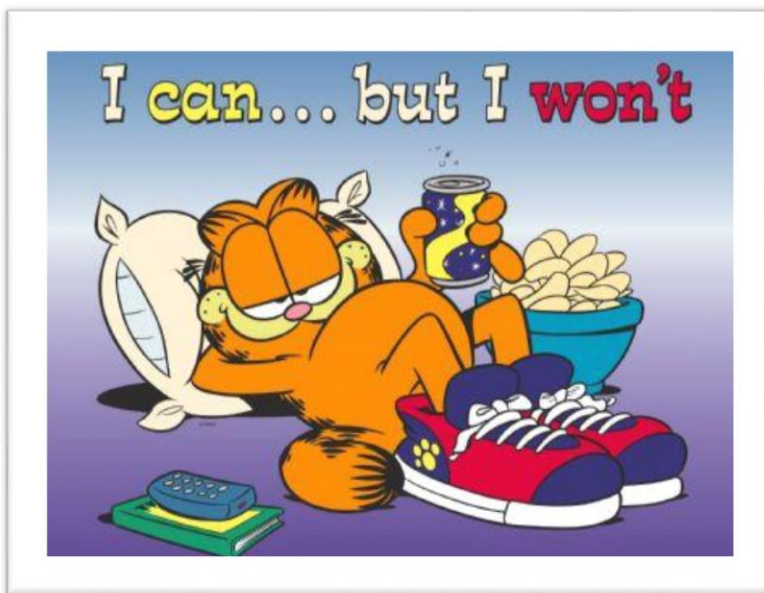


Preface

Hey lazy Sonicers, I know that you have thousands of reasons not to do your homework. No problem, your strategy must be perfect already, enabling you to live your life by choice. Good news, you are ready, stop reading, have another lazy day and keep on living your life by choice.



If you feel, however, that it is you who has to make steps to get success, if you realized that no one else but you are responsible for your success, you really know that you have to invest into yourself to make progress in your life. You are on the right track, keep on reading.

What you will find here

All the comments and hints on indicators released on 03/17/2014 by traderathome (TAH), found in the MQ4 source files. The ebook is dedicated for those who:

- do not have a technical approach to Metatrader just want to use it as a trading tool
- simply have not realized till now that they should be familiar with the Metatrader MQ4 editor to read TAH's comments on how to use them
- prefer to read books over comments in source code
- are familiar with the Metatrader MQ4 editor but constantly feel the urge to ask questions just to have another great day

What you will NOT find here

Answers for all the "how to trade" like questions.

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Indicators' version

Indicators covered by the ebook were released @ 03/17/2014.

Sonic_1 Solid Dragon.mq4

Overview

This indicator is coded to run on MT4 Build 600.

This indicator displays both the SonicR Dragon and the SonicR Trend. The SonicR Dragon is color filled and is based upon 34 EMA averaging of close prices with high/low prices defining outer edges. The SonicR Trend is based upon 89 EMA averaging of close prices.

For Sonic R. System templates this indicator is used with the SonicR PVA Candles indicator. The MT4 price display is set to "Line chart" and given the "CLR_NONE" non-color to void the display, leaving the PVA Candles to be displayed on top of the Dragon. Because the Dragon is solid it will obscure normal MT4 price styles not properly set to the foreground. If using MT4 price styles, be sure chart Properties/Common tab/"Chart on foreground" is checked.

Changes from Filled Dragon release 05-25-2013 to Solid Dragon release 03-17-2014:

- 01 - Removed the automatic and manual zoom selections. Recoded using feature in new MQL4 for automating bar width adjustments as chart is scaled in/out.
- 02 - Removed feature of showing transferred configurations of the Dragon-Trend of one TF onto another TF chart.

Suggested Settings

Suggested Colors	White Chart	Black Chart	Remarks
indicator_color1-2	C'221,238,255'	C'030,032,072'	H/L Histo Fill
indicator_color3-4	C'210,233,255'	C'034,037,083'	H/L MA Fill
indicator_color5	C'240,249,255'	C'020,020,020'	Center Area
indicator_color6	C'032,143,255'	C'079,102,198'	Center Line
indicator_color7	Black	MediumVioletRed	Trend Line

Sonic_2 PVA Candles.mq4

Overview

This indicator is coded to run on MT4 Build 600.

This indicator creates standard volume bars to be used together with the SonicR PVA Candles indicator. Special colors are used denote candles and corresponding volume bars where special situations occur involving price and volume, hence PVA (Price-Volume Analysis). The special situations, or requirements for the colors are as follows.

Situation "Climax"

Bars with volume $\geq 200\%$ of the average volume of the 10 most recent previous chart TFs, and bars where the product of candle spread \times candle volume is \geq the highest for the 10 most recent previous chart time TFs. Bull bars are green and bear bars are red.

Situation "Volume Rising Above Average"

Bars with volume $\geq 150\%$ of the average volume of the 10 most recent previous chart TFs. Bull bars are blue and bear are blue-violet. For a proper display chart/Properties/Common/Chart on foreground should be unchecked and chart/Properties/Common/Candlesticks should be checked.

Changes from release 05-25-2013 to current release 03-17-2014:

- 01 - Removed the automatic and manual zoom selections. Recoded using feature in new MQL4 for automating bar width adjustments as chart is scaled in/out.
- 02 - Corrected period calculation coding.
- 03 - Removed unnecessary options for displays of various color sets, and for altering values of key parameters, to simplify and assure proper and standardized display.

Acknowledgements:

BetterVolume.mq4 - for "climax" candle code definition (BetterVolume_v1.4).

Suggested Settings

Suggested Colors	White Chart	Black Chart	Remarks
indicator_color1	C'015,015,068'	Gray	Candle Wicks Up
indicator_color2	C'015,015,068'	Gray	CandleWicks Dn
indicator_color3	C'163,163,163'	C'163,163,163'	Bull STD Candle
indicator_color4	C'100,100,100'	C'100,100,100'	Bear STD Candle
indicator_color5	C'045,081,206'	C'017,136,255'	Bull Rising
indicator_color6	C'154,038,232'	C'173,051,255'	Bear Rising
indicator_color7	C'000,166,100'	C'031,192,071'	Bull Climax
indicator_color8	C'214,012,083'	C'224,001,006'	Bear Climax

Note: Suggested colors coincide with the colors of the SonicR PVA Volumes indicator.

SonicR_3 Trade Levels.mq4

Preface

This indicator is a re-implementation of the Trade Levels work by traderathome and St3ve. The look and feel should be the same. However, everything is automatic.

Changes from before:

- All trade datum is automatically obtained from MT4 orders, no manual inputs are provided for.
- The same exacting line and label placements for all time frame charts is now fully automated using new MQL4 "Chart_Scale" tracking.
- This upgrade permits variable size entries, a big advantage. It permits entries to be closed at different times and at different prices, another huge advantage.
- Open and closed trades can be displayed on the same chart concurrently.
- Everything is based on the number of micro-lots traded, the smallest MT4 unit, making this applicable across the entire spectrum of forex traders.
- The user can choose to display unit sizes traded based on micro-lot units, mini-lot units or full lot units with a simple "1-2-3" input.
- EP Levels lines/labels can be turned on/off for a cleaner chart when not needed. When displayed, they include the number of units traded at each EP.
- Price labels and/or Price Dots at trade entries and exits improve visibility.
- Connecting lines can be shown between the EP and the current bid/ask price of open trades, and between the EP and close price of closed trades. These lines are color coded to show if the specific trade is in profit or loss.
- A pips Profit/Loss label displays for both open & closed trades. P/L Monies and P/L Account % can be included in the P/L label.
- Closed trades can be precisely segregated for display with new "yyyy.mm.dd hh:mm" inputs for the start and end of the display.

Overview

This indicator is coded to run on MT4 Build 600.

This indicator shows labeled lines on the chart at the average level (AV) of the various entries made, as well as the take profit level (TP) and the stop loss level (SL). Everything is based on MT4 entry orders executed. Variable sized entries are accommodated. This indicator is an upgrade to the initial SonicR Trade Levels indicator released 05-25-2013 and is greatly improved with many new features. Summaries of these features are listed below.

Displaying EP Levels Lines and Labels

You can select to show EP Levels lines and labels. The Level lines span the chart to the current candle, followed by the Level labels which include the EP number, price and quantity of units of the lot type input. Since price labels (see below) can be selected to display at each entry candle, the EP Level Lines/Labels are simply an option, but which can be helpful on the lowest of TF charts so you can see where current price action is relative to your nearest EPs. If you display the EP Level Labels, the AV, TP and SL lines will shift a little to the right to maintain good visibility.

Displaying Price Dots, Price Labels and Lines to Current Price

For open trades you can show lines connecting the EPs to the current appropriate bid/ask price, color coded to represent if the trade is in profit or loss. You can show at each entry price a Dot and/or a Price Label, color coded to represent if the trade is long or is short. When the trade is closed the Dot is ringed with the color selected for closed Dots. This enables you to easily see, if a number of trade components remain active but some have been closed, which are the closed ones.

Displaying the Average of EPs Line

For open trades an AV Line is displayed. It shows the rounded off average price for all open orders (even if varying in size), the number of open orders (separate EP events), and the number of open units of the type input.

Displaying TP and SL Lines

For open trades the TP and SL associated with the MT4 orders is displayed. You can override these values by putting other values into the External Inputs. You might do this temporarily to help you decide the values to place in your MT4 orders. The pips displayed at TP/SL are the rounded off total pips of all the open units of your EPs. When the TP/SL is reached and the trade closes, the closed trade P/L displayed might be different due to the rounding off of the average price line and of the TP/SL pips, as well as to any applied swaps and commissions, and also to possibly some units actually closing at different (better) prices.

Displaying Current PL Label

For open trades the current PL Label is displayed at the left edge of the chart at the bid line and changes as the bid price changes. The pips displayed are based on the total open units of your EPs. You can also display monies PL and the percentage of account PL. The text in the PL label changes between green and red for profit/loss.

Displaying a Closed Trade

You can display closed trades two ways:

1. Use the "__Simple_Lookback_Time_Span" which is set for a default of 60 minutes. The time span you input "looks back" from the current time and any trades closed within the time span will be displayed.

2. Set the year/month/day/hour/minutes for the start or end, or both the start and end of the period for which you want closed trades to display. This method takes precedence over any value entered for the "__Simple_Lookback_Time_Span". These start/end inputs must be in their default state (yyyy.mm.dd hh:mm) for the "__Simple_Lookback_Time_Span" method to work. You can copy & paste the "yyyy.mm.dd hh:mm", provided in the External Inputs, into the start/end inputs to return them to the default state.

Using the same inputs selected for Open trades, the Closed trades can be shown with Price Dots and/or Price Labels at both the entries and closes, and with connecting lines that are colored differently if closed with profit or loss. A PL Label is shown for the closed trades. The label displays the number of EPs closed, the number of closed units of the type you input, the total pips PL, and (if you have selected them) PL monies and PL account percent.

When selecting to show closed trades encompassed by the time span selected to display closed trades, you can have all the trades displayed as a single trade with a single PL Label. Or, you can have the individual trades displayed with their individual PL Labels. PL Labels will appear above or below the last close price for the components of the trade, based on whether the last component was closed below or above the entry price of the last component. You can raise or lower the label by increasing or decreasing the default "30" input for the closed trade PL Label. There are three label height inputs providing for the adjustment of PL labels for three separate trades displayed. The sequence 1-2-3 starts with the oldest trade first. If more than three separate trades are to be shown the oldest three can be adjusted and the more recent ones will have the same height as the first/oldest trade shown. So it is best to limit the display of closed trades to no more than three.

Selecting the Unit Type Input

The External Inputs includes a numerical input (1-3) for the unit type you are trading. Input "1" if you intend to trade in micro-lots, input "2" if in mini-lots, and input "3" if in full lots (or fractions thereof). Once you have made your selection it does not matter what size trades you make. The unit type you select determines how the number of units traded will be displayed in the AV, TP, SL and PL labels.

The core coding of this indicator is based on conversion of all order sizes to micro-lots (the minimum size order available on MT4) and then reconversion using the unit type input. Reconversion allows for more a more sensible display of unit quantities traded. However, another reason for requiring the unit type input is to protect user privacy. Units displayed can only be viewed as generic units because they are not revealed as being based on micro, mini or full lots traded. The only way a viewer of the chart can know the basis of the units shown is for the user to also display PL monies in a PL Label.

Setting Time Frames for Display of Indicator

The indicator can be turned on/off without removing it from the chart. Also, you can select a chart TF above which this indicator will automatically not display.

Changes from release 05-25-2013 to release 03-17-2014:

- 01 - New coding permits unlimited number of EPs with all data automatically extracted from MT4 orders, which can vary in size.
- 02 - Reduced TP's and SL's to just one each. However, if you manually close trade parts at different times/values, coding will track these various different closes.
- 03 - EP Level lines and labels can be displayed or not displayed.
- 04 - Added Profit/Loss pips to TP/SL labels.
- 05 - Added price labels and dots to mark EPs and CPs.
- 06 - Added connecting lines between EPs and the current/close price for open/closed trades.
- 07 - Added Current PL display on Bid Line with Background box to enhance legibility. The label can also display \$ and % of account P/L.
- 08 - Added PL label for closed trades.
- 09 - Added option to select closed trades to display by precise time coordinates.
- 10 - Removed unnecessary price alert.

Suggested Settings

Suggested Settings	White Chart	Black Chart	Remarks
EP_Level_Line_and_Label	MediumBlue	C'064,133,208'	
AV_Level_Line_and_Label	DarkOrchid	MediumOrchid;	
SL_Level_Line_and_Label	C'213,000,000'	C'226,035,035'	
TP_Level_Line_and_Label	C'040,123,078'	C'016,186,092'	
Price_Dots_Ring_Size	14	14	
Price_Dots_Size	10	10	
Price_Dots_Center_Size	5	5	
Price_Dots_Center_Size	White	Black	
Price_Label_Dot_Long	C'008,084,223'	DodgerBlue	
Price_Label_Dot_Short	C'232,000,000'	C'230,019,072'	
Price_Label_Dot_Closed	Black	White	
PL_Line_Positive_Trade	CornflowerBlue	CornflowerBlue	
PL_Line_Negative_Trade	Salmon	C'209,016,065'	
PL_Label_Background	C'255,255,185'	C'255,255,111'	
PL_Label_Text_Positive	C'040,123,078'	ForestGreen	
PL_Label_Text_Negative	C'213,000,000'	Crimson	

Acknowledgements:

- St3ve - For initiating the change from manually filled datum used in the initial release to an MT4 orders driven product. This was a milestone influence and effort, which transitioned the indicator from a enhancement for educational charts into a tool for traders.
- qFish - For a complete overhaul of coding used to derive datum for open and closed trades from MT4 orders, that added new and indispensable features.
- traderathome - For initiating the SonicR Trade Levels indicator as an aid to presenting clear trade charts for educational purposes, and for tailoring the upgrade work to maintain an easy to use, eye appealing product.

SonicR_4 Access Panel.mq4

Overview

This indicator is coded to run on MT4 Build 600.

This SonicR Access Panel indicator has important changes from the SonicR Control Panel last released on 05/25/2013. A list of the changes can be found at the bottom of this overview.

Remarks On the "Preface" Inputs-

You only need to be concerned with this section if you have selected to display PivotsTz or vLines at a time when there is no live data feed from your broker server (weekends/holidays).

Broker time is required by the code that features PivotsTz and vLines. When data feed is live the broker time is available. When data feed is not live it is not available and manually input correct information must be used to compensate, hence, the two inputs in this section.

Do the following to get the correct "Broker_GMT_Offset" value to input. While data feed is live, temporarily add "GMT" and "Broker" to the Clock if the display does not already show "G" and "B" in the labels. Compare the +/- hours time difference between GMT and Broker time.

For example, if GMT is 11pm and broker time is 2am, then the difference is "3" hours. if GMT is 1am and broker time is 9pm, then the difference is "-4" hours. Enter the time difference as the "Broker_GMT_Offset". PivotsTz and vLines will now function properly without live data by setting "Apply_it_now_because_no_feed" to "true". When the data feed is live the indicator adjusts for broker server DST changes when they actually occur twice yearly, so during normal operation that "Apply_it_because_no_data_feed" is kept "false". You must check your manual "Broker_GMT_Offset" input twice yearly (DST changeovers on the broker server) and correct the manual input if the value has changed (+1, -1). The default manual input is set to "0" for a broker server that is at GMT all year. For such a broker server, there are no DST changeovers and no change is needed when there is no data feed. In other words, if your broker is at GMT all year around, then this setting will never require change.

Preview of the Displayed Panel and Other Indicator Features-

This indicator places two colored panels in the upper left corner of the chart, consisting of a Market Panel and a Clock Panel. For proper display chart/Properites/Common/Show OHLC should be unchecked.

1. A market section containing:

- (1) Symbol & Period: The symbol for the currency pair and the chart TF.
- (2) Spread: The difference (cost to trade) between the Ask and the Bid price.
- (3) LotPip: The value of a full lot pip.
- (4) Ranges: the daily average range, and the range achieved for the day,
- (5) Swaps: the long and the short swap rates, or (See option in the External Inputs)

Candle: The time remaining for the chart current TF bar.

(6) Price: The bid price of either currency or non-currency items. For currencies, the last (fractional) digit can be set to appear smaller than the other digits. The price changes color when the last full size digit reverses.

(7) The "SonicR" logo.

2. The Clock Panel:

The Time Zone Clock displays the location and time for seven different time zones that can be selected out of a list of time zones available. The clock panel display can be turned on/off. It is also used during a time of live feed to determine the difference between the broker server time and GMT, which is an input that must be entered manually in the "Preface" section of the External Inputs. If a time zone displayed happens to coincide with the broker server time, your local time, GMT, or the time zone selected for the calculation of pivots (if pivots are displayed), an extension to the label will include the designators: "B", "L", "G" and "P" so you do not have to waste lines to also separately display the Broker, Local and GMT time zones.

In addition to the two panel sections, this multi-function indicator provides the following services, which are listed here, and more fully described below:

1. A special bid line.
2. A background of level lines dividing the distance between whole numbers into quarters.
3. Daily or Fibonacci pivots, including mid-pivot lines.
4. Average Range H/L lines for both the day and week.
5. Day Separators.
6. Vertical lines at the Asian Open, London Open, New York Open, and London Close.

1. Special Bid Line-

You can select to place your own Bid Ray Line on the chart, which you can vary in thickness and color. The Bid Ray Line ends just beyond the current candle. It terminates with a Bid Dot that can be sized and that changes color(example: grn/red) as the bid price changes (up/dn). To display only your own Bid Ray Line, right click on the chart and select Chart Properties/Colors. Make the Grid color = "None", otherwise the MT4 bid line is going to be beneath your own, and will be visible from the end of your line to the chart edge.

2. Background Level Lines-

This indicator places level lines on your chart at key levels between whole numbers (00, 25, 50, 75 and 00 again). The number of "sets" of these Whole, Half, and Quarter lines is fixed by hard code for each TF chart. The lines can individually be of any available color, style and width. With Levels "On", the half and quarter levels can be turned On/Off individually.

The whole, half and quarter levels also have separate "Max_TF" settings, which you can set so the less significant Levels automatically cease to be displayed as you go up in chart TF.

For some pairs (examples: EURTRY, USDTRY, XAUUSD) that have exceptionally high daily ranges the code is factored so the levels repeat not every 100 pips, but every 1,000 pips.

3. Daily and Fibonacci Pivots

A. Main Pivot Line

You can select to display the main pivot (PVT) for the day. It can be constructed using two lines. One can be a wide background line of a highlighting color and the other can be a narrow top line of a darker color (Examples: Yellow & Gray respectively).

B. Support & Resistance Lines

You can select to display the support and resistance pivot lines (SR) using either the Daily or Fibonacci formulas. The Fibonacci displays five levels. Normally, the Daily displays only three levels, but is extended to include five levels.

C. Broker or Time Zone Shifted Pivots

You can display your broker server pivots, or you can select to display pivots based on a different time zone (PivotsTz). New coding fully automates the complexities of PivotsTz, such as timing the hour shift for DST twice yearly, depending on when your broker does that. Your choice to use PivotsTz requires only three simple inputs-

I. "PivotsTz_On"

Set this equal to "true". If "false", then broker server pivots are displayed.

II. "__Use_Prefered_Offset"

Set to "true" if you wish pivots displayed to be based on the Frankfurt time zone. if set to "false" the input for "__Alternative_GMT_Offset" will be used.

III. "__Alternative_GMT_Offset"

This is your alternative choice of time zone location relative to GMT in +/- hours (examples: for GMT use "0", for one time zone east of GMT use "1", and for four time zones west of GMT use "-4").

When pivots are displayed, "P" will show in the appropriate Clock label matching the time zone the pivots are based on. Realize that by choosing PivotsTz, when the next PivotsTz day occurs during the broker server day, the PivotsTz lines will suddenly change. PivotsTz will display either "^", "<", or ">" in the labels for the lines.

By default, PivotsTz are set to the preferred Frankfurt time zone and will display "^" in the labels. If you select a PivotsTZ time zone less than the default "<" appears in the labels. If you select a PivotsTZ time zone greater than the default ">" appears in the labels. Broker pivots display nothing extra in the labels.

4. Range High/Low Lines for the Day and Week-

You can display two horizontal lines, one for the computed range high target, and one for the computed range low target. The range is based on the averaging period you select (defaults: day=15, week=13). The special range averaging process for the Day range lines skips any brief Sunday sessions of some brokers, which would drag the average down. The Week range lines use the standard ATR formula since brief Sunday sessions do not much affect the results.

A. Two conditions determine where range lines appear....

1. Condition #1 - the Day/Week range has not exceeded the computed average range.

- * The RDH/RWH line is the computed average range distance above the session Low.
- * The RDL/RWL line is the computed average range distance below the session high.
- * The lines will move as new highs/lows are achieved during the session.
- * This display shows how far price can move in either direction before exceeding the computed average range.

2. Condition #2 - the Day/Week range has exceeded the computed average range.

- * If price swings during the day/week TF cause the difference between the high and the low to equal the computed range, the range lines lock into place.
- * This display will clearly show any subsequent breakout of the range.

B. The purpose of the range lines is to provide a perspective on how far PA might move during the trading day or week. This can be of some guidance in selecting where to exit a trade. A swing trader might pay more attention to the RWH/RWL lines, and hold a trade into oncoming days. However, a day trader looking for quick profits and limited exposure to market price swings might pay more attention to the RDH/RDL lines.

5. Day Separators

You can apply day separators to your chart with this option. It lets you select color and line styles. You can elect to show separators just for today and/or for any number of previous days.

6. Vertical Time Lines

You can select to display vertical time lines for the London Open, New York Open, and the London Close, with the option to also show the Asian/Sydney Open and the Frankfurt Open.

New coding in this release properly places these vLines without any special inputs required from the user because it determines all year around the GMT offsets of the broker server, Sydney, Frankfurt, London and NYC. And the coding takes into account any changes at these locations due to DST/nonDST changeovers when they are implemented, even if at different times at each location. This information is required to always have the vLines displayed on your broker server chart at the places representing the proper local times in both London and NYC.

Separate External Inputs exist for control of the vLines for the Asian Open and the Frankfurt Open. Broker servers on GMT have very short partial days when the market opens for the week such that maybe only the "Ao" line appears, providing little in the way of time perspective.

By using the External Inputs for "Ao" for both the current and the previous sessions you can display the "Ao" from the previous Friday to create the missing perspective.

Additional Remarks On Displaying Horizontal Lines and Labels-

The horizontal line groups can be displayed differently, using display numbers "1" and "2" in the section "Horizontal Lines Position Settings:" If the selection number is outside the 1-2 range it will default to "2". The line groups are: Levels, PVT (central pivot), SRM (support, resistance and mid-pivots), and Range H/L lines for DAY/WK.

"1" - Fullscreen: draws the lines across the chart and positions labels mid-chart.

"2" - Session: draws the lines only thru the current session and positions labels at the start of current session until that moves off-chart. Then labels are positioned mid-chart.

"3" - This is not a selectable option, but it is hard coded so that if the lines are set to display for the current session and the chart is switched to the DAY TF or higher, the lines will display 7 TFs to the right from the current candle.

Additional Remarks on Displaying Horizontal Lines and vLines for Brokers at GMT-

Note that brokers at GMT will have a very short "extra" trading day, a brief two hours on Sunday (from 5pm EST to 7pm EST). During this time, horizontal lines selected to display per "2", will appear as they were on the previous Friday and remain at the levels for Friday until the short Sunday period ends. The short Sunday period is actually the last two hours of the Friday trading day. The same goes for vLines. They will appear during the short Sunday period as they were on the previous Friday.

Changes from Control Panel release 05-25-2013 to Access Panel release 03-17-2014:

01 - Panel.....

- * Automated the transition between showing the bid for currency and non-currency items, incorporating the display of a smaller fractional pip for currencies and providing a shift input to adjust the position of the fractional pip, if required.
- * Added display of the value of a full lot pip.
- * Added option to display either the value of Swaps or the Candle Time.
- * Corrected error in pips range display for XAUUSD.
- * Added option for the display of pair ID & TF.

- 02 - Clock.....
 - * Revised code to show "P" in a label of the same time zone that has been selected for the Pivots calculation when Pivots are displayed.
 - * Corrected "ObjectMove" function error.
- 03 - Bid Line.....
 - * Corrected coding that places dot on MONTH chart.
 - * Revised coding so line and dot will be "on top" of most other charting, with the dot on top of the line.
- 04 - Levels.....
 - * Enabled Levels for WEEK and MONTH time frames. Included "Max_TF" to show for each Levels category: whole, half and quarter
- 05 - Pivots.....
 - * Corrected coding that caused vLines to not properly display unless "PivotsTz_On" was set to "true".
 - * Added External Input to select "Preferred Pivots" based on Frankfurt time zone.
 - * Added "<" and ">" to labels of PivotsTz showing if selected offset is less than or greater than "Preferred Pivots" which displays "^". Standard broker server pivots have nothing added to the display.
- 06 - Ranges.....
 - * Corrected coding so if and when the average range is exceeded, the range lines lock in at the current levels.
 - * Revised code to base on close price of previous Day/Week when determining current Day/Week hi/lo data, to include gapping as part of current range calculations.
- 07 - Levels, Pivots & Range Lines.....
 - * Revised coding so when chart is set to DAY TF or higher, "Session Only" lines that are "on" will display just seven TFs to the right from the current candle.
 - * Revised For GMT broker on short Sunday session the horizontal "2" lines/labels will back track to start at Friday open.
- 08 - vLines.....
 - * Revised display of vLines for GMT brokers at during their short Sunday session, which now shows as the completion of the previous Friday session (which it is).
 - * Added option to show "F" (Frankfurt Open).
- 09 - Miscellaneous.....
 - * Restructured External Inputs for simplification.
 - * Added prefix to name of non-Level lines to better control "on top" positioning.
 - * Adjusted Poin for XAUUSD, EURTRY, USDTRY to improve function of Levels feature for these pairs by increasing the spacing.
 - * Clears all drawn objects at start of each tick to assure proper displays.

Changes from previous release 05-01-2012 to current release 05-25-2013:

- 01 - Changes to Panel.....
 - * Added option to display or not display the Clock.
 - * Added Swap Rates.
 - * Enhanced the Bid price display and simplified coding to remove the necessity to choose between forex 5-digit and outdated 4-digit modes.
 - * Improved coding so Panel and Clock will always be on top of drawn chart lines.
- 02 - Improvements to Bid Line display.....
 - * Corrected error in bid line draw on lowest zoom setting and revised Bid line/dot termination to be based on chart zoom setting, which is derived from either the SonicR Filled Dragon indicator or the SonicR PVA Candles indicator.
- 03 - Changes to Pivots display.....
 - * Added ability to limit the number of SR levels drawn.
- 04 - Substantial rework/simplification of horizontal lines features and label coding.....
 - * Removed test for "Display_Number" of horizontal lines at startup.
 - * Removed all but two line positioning options.
 - * Removed labels for Levels, the Line Sets Override feature, and the option to position differently the individual Levels categories.
 - * Removed feature to display prices in line labels.
 - * Moved Session display of labels one position to the right.
- 05 - Additions and improvements to range lines.....
 - * Simplified basic coding.
 - * Revised Day and Week Range line coding so that if chart TF is >240 with the display is set to "0" or "1", then display "2" is used with "0" shift so the lines are drawn from current candle to chart right.
 - * Added "Min TF" for showing Ranges for Day.
 - * Revised Range Week label coding so even if set to display, it can be set to not display on lower TFs if the Range Day labels are also set to not display.
 - * Removed unneeded specialized label coding for wide Week labels.
- 06 - Additions to vLines.....
 - * Corrected code for Separators & vLines (to the minute exactness).
 - * Added Max_TF to show vLines of prior days so their display can terminate on a different TF than for the current day vLines.
 - * Added option to show "Ao" (Asian Open).
- 07 - Housekeeping changes for ease of use or enhanced speed.....
 - * Re-structured External Inputs with phraseology changes.
 - * Removed voided coding artifacts from previous releases.
 - * Employed "nesting" coding for conditions testing.
 - * Eliminated processing time zone information not needed for "active" services.

Changes from previous release 04-04-2012 to current release 05-01-2012:

- 01 - Revised the code using imported time zone information to get broker, London, and NYC offsets from GMT (used for PivotsTz and vLines placement) to fix errant vLines at transitions between AM and PM hours.
- 02 - Revised code for current session vLines to preclude stacking of these lines at the beginning of "tail end" Sunday sessions that some brokers have.
- 03 - Improved coding of daily range value.

List of Changes From Last Release (07/16/2011) of the SonicR Chart Panel:

- 01 - Added back the time zone shifted pivots, this time including mid-pivots and fibonacci pivots. New coding automatically determines broker server time shifts, replaces the previous DST coding, and eliminates the need to input a "DST_Zone".
- 02 - Added back the vlines for market open times (Lc, Ny, Lc). New coding automatically determines their proper placement all year around regardless of DST considerations. Included is the ability to choose whether or not to display the vLine labels.
- 03 - Fixed #3 line display choice "Current session to right" so that it now works on all TFs, not just those below H4.
- 04 - Added Week range lines with Max/Min TF to show, minor label placement adjustment for slightly wide week range labels, and reordered codes for Week range, Day range, and Pivots to construct in that order.
- 05 - Fixed code for the display of ranges lines so now the Day range lines are correct on Weekly and Monthly charts, and the Week range lines are correct on Monthly charts.
- 06 - Added subordination control of horizontal lines/labels (Levels always subordinated).
- 07 - Fixed levels to properly display for additional symbols.
- 08 - Automated the adjustment of "Display_4_Shift_Line_Right" when changing chart zoom, provided choice of five shift right positions that can be used for indenting the different categories of horizontal lines/labels when using the "4" display choice, and included automatic indent shifting left of range lines for when pivot S&R lines are turned on while range lines are set to same shift right position.
- 09 - Housekeeping changes to levels and pivots labels, including making central pivot label the same for Daily & Fib formula, removal of MaxRight override label positioning, and faster execution of labeling code in general.
- 10 - Recoded display of symbol in panel to strip broker added characters.
- 11 - Incorporated the separate SonicR Clock Panel indicator into this indicator with new coding automatically highlighting time zones matching your Broker and Local time.
- 12 - Revised the External Inputs accordingly.

Acknowledgements

CaveMan - who generously devoted his time and programming skills to produce the PivotsTz time zone shift coding, designed to handle any situation involving gaps between trading days and/or partial trading days.

Kent - for his "pips4life" P4L clock code to import and use time zone information.

Suggested Settings

Panel Section	White Chart	Black Chart
Panel_Background_Color	C'238,238,242	C'025,025,025'
Symbol_And_TF_Color	Black	C'208,208,208'
Spread_Color	C'080,080,080'	C'120,120,120'
Range_Color	C'080,080,080'	C'120,120,120'
Swaps_Color	C'080,080,080'	C'120,120,120'
Candle_Time_Color	C'080,080,080'	C'120,120,120'
Bid_UP_Color	C'026,132,039'	C'046,188,046'
Bid_DN_Color	Crimson	C'234,000,000'
Bid_Last_Digit_Normal	C'140,140,140'	C'100,100,100'
Bid_Last_Digit_Small	C'040,040,040'	C'160,160,160'
sonicS	C'44,44,255'	C'004,162,255'
sonicO	C'111,111,255'	C'000,115,183'
SonicN	C'170,170,255'	C'000,075,121'
SonicI	C'252,154,156'	C'138,000,000'
SonicC	C'239,61,105'	C'176,000,000'
sonicR	C'227,15,68'	C'221,000,000'
smiley1	Black	C'255,255,100'
smiley2	Black	White
Smiley_Back_with_Clock	C'255,255,100'	C'025,025,025'
Smiley_Back_without_Clock	White	C'025,025,025'
ID_TF_Background_for_Smiley	White	C'025,025,025'
Bid Line Section		
Bid_Ray_Color	DarkGray	C'100,100,100'
Bid_Dot_Up_Color	C'036,187,070'	Lime
Bid_Dot_Dn_Color	C'240,032,084'	Red
Horizontal Line Labels Section		
Line_Labels_Color	MidnightBlue	DarkGray
Levels Section		
Whole_Number_Color	C'235,235,252'	C'041,033,073'
Half_Number_Color	C'199,250,199'	C'000,053,000'
Quarter_Number_Color	C'239,235,222'	C'043,033,019'

Pivots Section

DPV1_Back_Color	C'255,255,155'	CLR_NONE
DPV2_Top_Color	DarkGray	C'230,216,000'
R_Pivot_Color	C'255,053,017'	C'179,000,000'
S_Pivot_Color	C'064,064,255'	C'090,075,173'
MidPivot_Color	Olive	C'085,085,000'

Range Lines Section

RDH_Color	C'255,090,062'	Red
RDL_Color	C'106,106,255'	C'000,115,230'
RWH_Color	C'255,090,062'	Red
RWL_Color	C'106,106,255'	C'000,115,230'

Separators Section

Separators_Color	BlueViolet	C'085,085,085'
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vLines Section

vLines_Color	Silver	C'060,060,000'
vLabels_Color	MidnightBlue	Olive

Clock Section

Clock_MktClosed	C'080,080,080'	C'120,120,120'
Location_MktClosed	C'080,080,080'	C'120,120,120'
Clock_MktOpen	C'133,084,035'	C'174,111,047'
Location_MktOpen	C'000,149,034'	C'036,157,036'

Sonic_5 FFCal Panel.mq4

Overview

This indicator is coded to run on MT4 Build 600.

This is a special version of the FFCal.mq4 indicator designed especially for the Sonic R. System. It places a panel on the chart in which are displayed up to four news releases listed on the Forex Factory Calendar. Significant changes are made since the last release. These changes are summarized at the bottom of these User Notes.

The time, title and ranking (by color) of the releases are shown.

The time of a releases is important because the market frequently holds price moves until after important releases come out. Also, Market Makers can prepare in advance for these moves. The Market Makers and banks do know the essence of news and releases in advance, and there is no regulation against insider trading in the forex market. Banks can place orders in advance of releases and Market Makers can use the intervening time to move prices to fill those orders, saving the move that will make profits on the orders until the time of the releases.

The title of the release, and it's ranking by color, is important because the variety of low impact releases frequently have no effect on price, whereas the variety of high impact releases can trigger a big price move, or can cause Market Makers to start moving prices days in advance, in preparations for big moves to be made in conjunction with those releases.

Of the three impact level events (High, Medium, Low) and Bank Holidays, you have the option to not show all but the High Impact events. The Previous/Forecast data (available on the Forex Factory Calendar) is not displayed because prices can go either way regardless of specifics released. It is the timing of news that is important, as a market volatility event. The vertical display and the second alert of the original FFCal. mq4 indicator are removed, but one alert remains.

Prioritization of events is fully automated and two more event labels are added to help avoid surprises. When two or more events occur simultaneously, only one event of the highest impact displays unless there are multiple high impact events. In that case the multiple high impact events are displayed. When 2nd, 3rd or 4th events are not scheduled, text noting that appears.

A current day Bank Holiday will remain displayed in the first label until the Bank Holiday is over. You can show events for any pair on any chart. For example, you can show a CNY (China) event on a AUDUSD chart. A new option is added allowing you to ignore the chart pair and select what currencies you want to show news for, so that you do not have to display the news for the chart pair.

You can select a range of TFs for the display of this indicator, so it automatically will not display on a chart TF outside that range. The indicator can be turned on/off without having to remove it from the chart, thereby preserving your chart settings.

Changes from release 03-01-2014 to release 03-17-2014:

Contributed by "deVries".....

- 01 - Only one .xml file is used as the source file for all charts with FFCal on them.
- 02 - Updating was 240 seconds while comment says minutes, now it is minutes.
- 03 - Checking currency pairs for a country with news now works on Symbols with broker prefix.
- 04 - Deleted function for calculating GMT and replaced it with TimeGMT(), a new function inside the new 600+ release.
- 05 - Totally changed the file reading and maintenance coding, involving numerous sections of coding, to streamline for compatibility with MT4 Build 600, and which results in faster execution which is very noticeable when changing chart time frames.

Contributed by "qFish".....

- 06 - Improved the code controlling the timing of updates.

Contributed by "atstrader".....

- 07 - Added option to ignore news for both sides of the pair and to replace with news for any pair or pairs featured.

Changes from release 05-25-2013 to release 03-01-2014:

- 01 - Only one .xml file is used as the source file for all charts with FFCal on them.
- 02 - Updating was 240 seconds while comment says minutes, now it is minutes.
- 03 - Checking currency pairs for a country with news now works on Symbols with broker prefix.

Note: All these improvements have been contributed by "deVries".

Changes from previous release 05-01-2012 to current release 05-25-2013:

- 01 - Removes outdated .xml files (through previous year) from Experts files.
- 02 - Saves current files without the chart TF in the file name (reduces current files needed).
- 03 - Removes all reference to Broker Watermark, which new coding automatically handles.
- 04 - adds options for sub-window and right side of chart locations.
- 05 - adds option to not show the panel background.
- 06 - prefixes background boxes with "z" assuring "on top" display.

Changes from previous release 04-04-2012 to current release 05-01-2012:

- 01 - Corrected errors in coding of prioritization of previous and current/future events.
- 02 - Revised order of External Inputs.

ACKNOWLEDGEMENTS:

derkwehler and other contributors the core code of the FFCal indicator, FFCal_v20 dated 07/07/2009, Copyright @ 2006 derkwehler
<http://www.forexfactory.com/showthread.php?t=19293>
 email: derkwehler@gmail.com

deVries for his excellent donated work that significantly altered and streamlined the file handling coding to establish compatibility with the new release of MT4 Build 600+, and which has resulted in faster code execution.
 (Jobs for deVries www.mql5.com/en/job/new?preferred=deVries)

qFish for his generously given time and help during the effort to improve this indicator.

atstrader For a neat new option controlling for what pair/pairs(s) news is shown.

Suggested Settings

Suggested Colors	White Chart	Black Chart	Remarks
FFCal_Title	Black	C'180,180,180'	
News_Low_Impact	Green	C'046,186,046'	
News_Medium_Impact	MediumBlue	C'086,138,235'	
News_High_Impact	Crimson	C'217,000,000'	
Bank_Holiday_Color	DarkOrchid	Orchid	
Remarks_Color	DarkGray	DimGray	
Background_Color_	White	Black	

Sonic_6 PVA Volumes.mq4

Overview

This indicator is coded to run on MT4 Build 600.

This indicator creates standard volume bars to be used together with the SonicR PVA Candles indicator. Special colors are used denote candles and corresponding volume bars where special situations occur involving price and volume, hence PVA (Price-Volume Analysis). The special situations, or requirements for the colors are as follows.

Situation "Climax"

Bars with volume $\geq 200\%$ of the average volume of the 10 most recent previous chart TFs, and bars where the product of candle spread \times candle volume is \geq the highest for the 10 most recent previous chart time TFs. Bull bars are green and bear bars are red.

Situation "Volume Rising Above Average"

Bars with volume $\geq 150\%$ of the average volume of the 10 most recent previous chart TFs. Bull bars are blue and bear are blue-violet.

Setting the Volume Alert-

This indicator includes the sound with text alert that will trigger once per TF at the first qualification of the volume bar as a "Climax" volume situation. Set "Volume_Alert_On" to "true" to activate the alert. You can use your "Broker_Name_In_Alert" so that your broker name so it will appear in the on-screen alert tile. This helps to avoid confusion if you simultaneously use multiple platforms from different brokers.

Changes from release 05-25-2013 to current release 03-17-2014:

- 01 - Removed the automatic and manual zoom selections. Recoded using feature in new MQL4 for automating bar width adjustments as chart is scaled in/out.
- 02 - Corrected period calculation coding.
- 03 - Added code to assure the scale for volume bars starts at zero.
- 04 - Improved the Alert coding.

Acknowledgements:

BetterVolume.mq4 - for "climax" candle code definition (BetterVolume_v1.4).

Suggested Settings

Suggested Colors	White Chart	Black Chart	Remarks
indicator_color1	C'113,131,149'	C'102,099,163'	Normal Volume
indicator_color2	C'045,081,206'	C'062,158,255'	Bull Rising
indicator_color3	C'154,038,232'	C'173,051,255'	Bear Rising
indicator_color4	C'000,166,100'	C'033,207,077'	Bull Climax
indicator_color5	C'214,012,083'	C'224,001,006'	Bear Climax

Note: Suggested colors coincide with the colors of the SonicR Suite of Candles indicator.

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