

RainWood's Tick Chart

for MetaTrader 4

v1.21

Welcome

as the user of RainWood's Tick Chart indicator. This document is intended to help you with the installation and setup of the indicator in MetaTrader 4. Hopefully you will find it useful and will be a satisfied user of RW Tick Chart indicator.



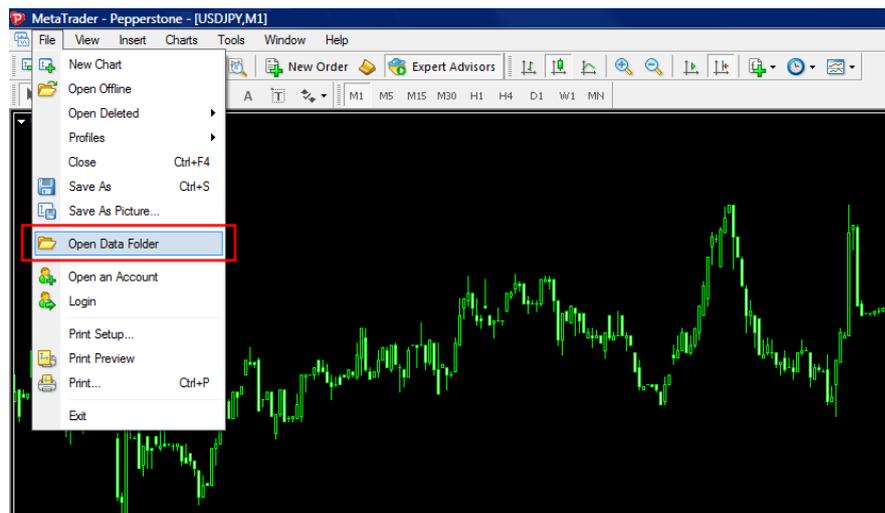
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Installation

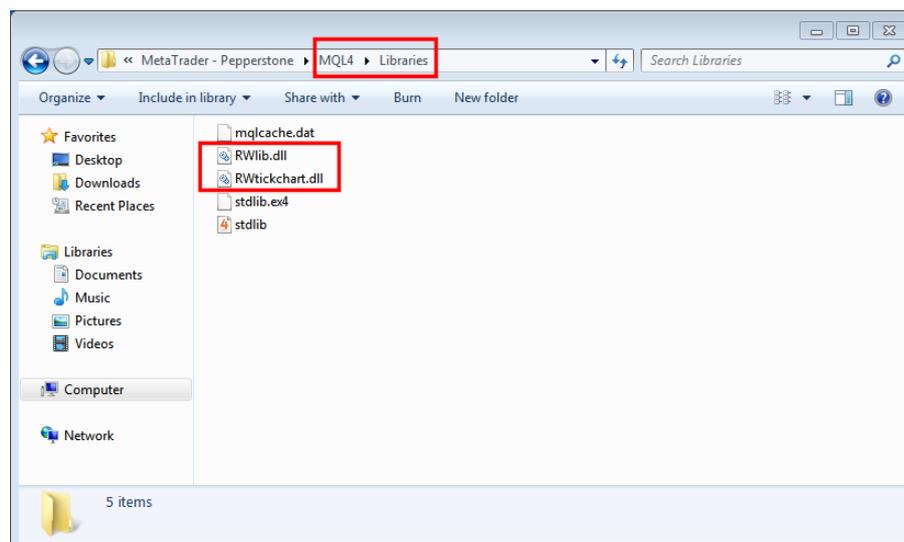
Here are the installation steps necessary to use RainWood's Tick Chart indicator:

1. Download RW Tick Chart indicator from the URL provided in the email you received after the purchase
2. Unpack/decompress the downloaded .ZIP file
3. Open your MetaTrader 4 data folder

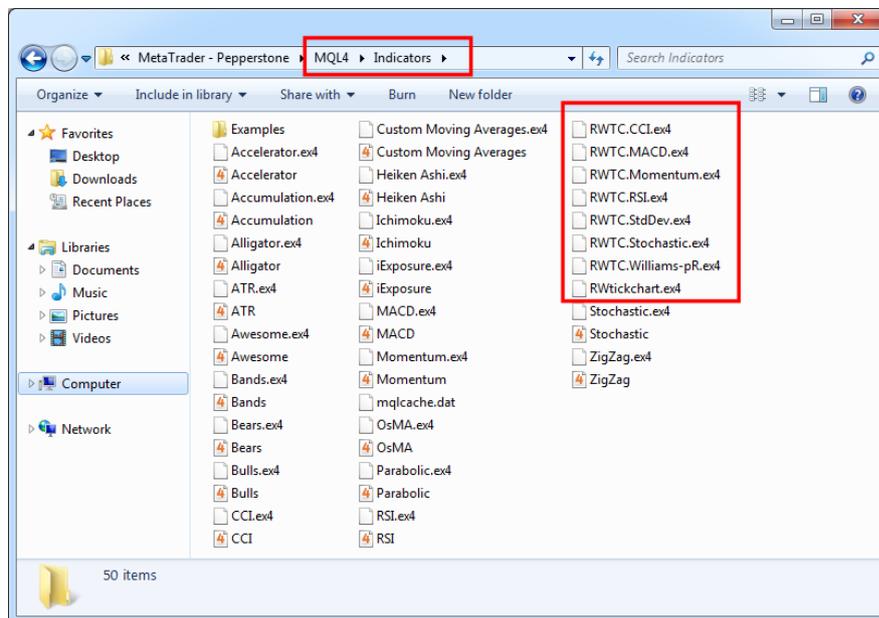


To find MetaTrader 4 data folder start your MT4, open 'File' menu and select 'Open Data Folder'

4. Copy the 2 files with DLL extension (RWTICKCHART.1.21.DLL and RWLIB.DLL) to the **LIBRARIES** folder inside your MetaTrader 4 data folder:



- Copy the other files with EX4 extension to the **INDICATORS** folder inside your MT4 data folder:

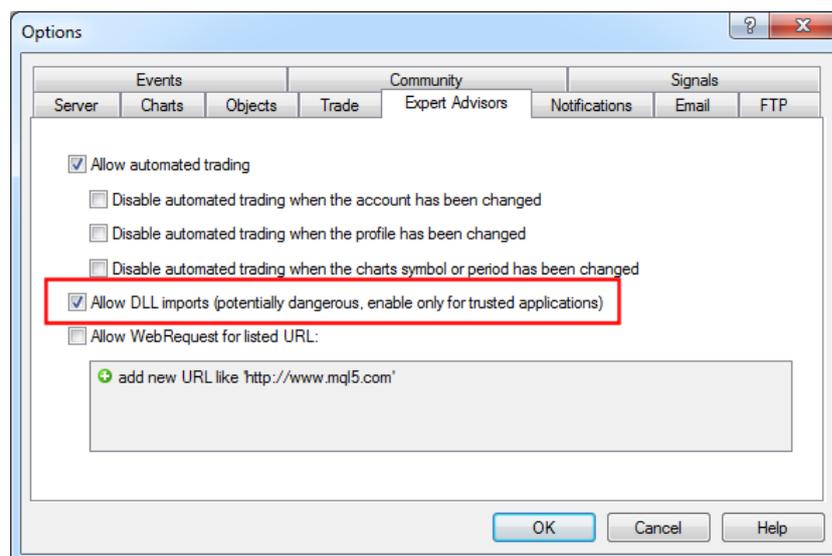


- Start/restart MetaTrader 4

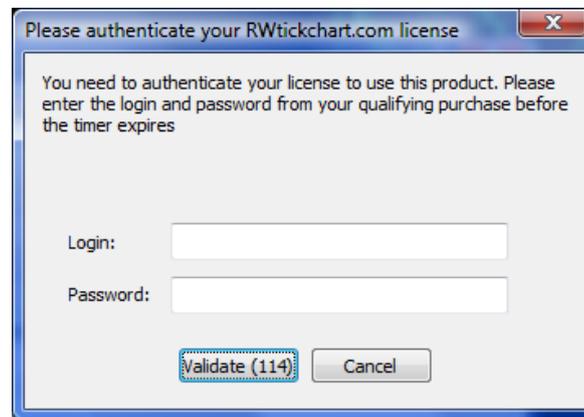
- VERY IMPORTANT !!!**

- before using the indicator please make sure that you use **MetaTrader 4.00 version build 1090 or higher** (you can check program version in MT4 – Help menu – About)

- setting 'Allow DLL imports' should be enabled (this setting can be found in MT4 – Tools menu – Options – Expert Advisors tab)



8. Add RW Tick Chart indicator to any chart you wish
9. After that you will receive a window to enter your username and password. Type the username and password you received in the email after your purchase. This step is required only once, the credentials will be saved on your computer so you won't need to type it later on



Warning: if you miss the authentication window and it closes after some time, just restart MT4 and add RW Tick Chart indicator to a chart again – this will make the authentication window reappear

10. Congratulations! You are ready to use RainWood's Tick Chart indicator

Change Log

The following changes have been applied to RW Tick Chart Indicator:

v1.20 – v1.21

Optimizations and bugfixes for latest builds of MetaTrader 4

v1.19

1. **Option to generate history tick data from M1 candles** – beside downloading history tick data now it is possible to generate history tick data from M1 candles
2. **Quick Control Bar to change tick volume and history settings on the fly** – when clicking on the small arrow in the lower left corner of the indicator window a Quick Control Bar appears which makes it easier to change tick volume and history settings. There is also a RELOAD button which recalculates the tick chart which can be useful in case the tick chart gets corrupted
3. **Disable tick chart in indicator window to save resources** – if only offline tick charts are used, the tick chart in the indicator window can be disabled to save resources

v1.18

1. **History tick data download limit increased** – the maximum download limit of history tick data has been increased from 2 weeks to 6 weeks. This can be set through the *'Max age of history tick data'* setting. The default setting is *'8 hours'*, so 8 hours of history tick data will be downloaded
2. **Open trades appear on the tick chart** – current open trades are marked on the tick chart with open price, stop loss and take profit lines (the same way as they appear on the main chart)
3. **Automatic copying of main chart trendlines to tick chart** – if enabled, the trendlines on the main chart will be copied to the tick chart
4. **Alert function added when MAs cross** – Sound and alert window notifications can be enabled for the case when the two built-in Moving Averages of RW Tick Chart indicator cross over
5. **Additional indicator: Accelerator** – MT4 built-in indicator Accelerator has been modified to be tick chart based and added as *'RWTC-Accelerator'*.

v1.17

1. **Additional indicators** – some MT4 built-in indicators have been modified to be tick chart based. The new additional indicators in this version are Williams %R, Momentum and Standard Deviation
2. **Offline chart open button** – if offline charts are enabled at RW Tick Chart indicator settings, a button will appear next to the name of the offline chart which makes it easier to open it

v1.16

1. **Additional indicators** – some MT4 built-in indicators (Stochastics, MACD, CCI, RSI) have been modified to be tick chart based. These modified indicators are now synced to the tick chart, so – although they are added to the main chart – they will move together with the tick chart
2. **Synced trendlines** – RW Tick Chart indicator is now more trendline friendly, so manually created trendlines are now synced to the tick chart and will move together with it
3. **Support added to download history tick data from 3rd party** – RW Tick Chart indicator is now able to download history tick data from 3rd party data provider and display tick chart for time periods when it wasn't running or when MT4 was offline

v1.15

1. **Select Bid, Ask or Mid price as base of tick chart** – from this version it is possible to select if the tick chart should be drawn based on Bid price, Ask price or Mid price
2. **Time lines and time labels** – new option to display time lines and time labels at every minute
3. **Horizontal grid lines** – can now be displayed with only 1 pip distance between the lines
4. **Moving price line** – it is now possible to display a moving price line on the tick chart in the indicator window (works the same way as the price line on the main chart)
5. **Offline tick chart updating modified** – every time when the offline tick charts are updated a Custom Chart Event (#3758) is triggered, so if an EA is added to the offline tick chart it can use this 'Custom Chart Event' and the 'OnChartEvent' MQL function to run at every tick

v1.14

1. **Tick data loading improved** – now it is possible to load last weeks tick data as well with the current week data (by setting 'Maximum age of preloaded data' to the appropriate value)
2. **Time lines and time labels** – options have been added to display time lines and time labels at every 5th, 10th or 15th minute
3. **Offline tick charts refresh at every tick** – offline tick charts can be set to automatically update at every tick, every 5th tick or whenever a tick candle is closed

v1.13

1. **Bollinger Bands** – option added to display Bollinger Bands on tick chart in indicator window
2. **Heiken-Ashi** – Heiken-Ashi can be applied to tick chart in indicator window
3. **Offline tick charts with real time scale** – offline tick charts now have real, up-to-date time scale instead of the old time scale (old time scale started from January 1, 1970)
4. **Tick chart time hour offset can be set** – tick chart in indicator window can now show time hours different than broker time hours, you just have to set 'tick chart time hour offset' to a non default value (e.g. if set to +3, the tick chart in the indicator window will show time 8:00 instead of 5:00 and 21:00 instead of 18:00, if set to -5 it will show 2:00 instead of 7:00)

v1.12

Compatibility update for MT4 build 600 – MetaQuotes Software released a new build of MetaTrader with major changes in MQL. RW Tick Chart v1.12 has been made compatible with this new MT4 release.

v1.11

1. **Horizontal lines/levels can be displayed** – the tick chart in the indicator window is now able to display horizontal lines with a specified distance of pips between them. Please see the 'Horizontal Lines' section at the indicator settings panel.
2. **Offline tick chart names can be simplified** – the name of offline tick charts can be set to contain only the instrument name (e.g. USDJPY) without the '!rw' prefix (!rwUSDJPY). This can be set by setting 'OCUseSimpleSymbolNames' to TRUE.

v1.10

1. **Tick data collection and saving method has been changed** – now you can change *Ticks per Candle* setting without losing already collected tick data since the old tick chart would be converted to a new chart based on the new indicator settings.
2. **Offline chart support has been added** – now you can view the tick chart on offline chart as well and you can add built-in indicators or your own indicators to the offline tick chart.
3. **Backtesting with RW Tick Chart indicator has been enhanced** – a new mode (Strategy Tester Fast Mode) has been introduced to speed up backtesting
4. **Secondary Moving Average has been added** – now you can add a second MA line to the tick chart in the indicator window

Settings

The following settings can be set in RW Tick Chart indicator:

Where to display the tick chart – this setting defines where the tick chart will be displayed. There are 3 options: indicator window, offline chart or both

Number of ticks per candle – sets how many ticks (transactions) should a tick chart candle contain. This setting is also displayed on the Quick Control Bar as 'Tick Volume'

Tick chart based on – select if the tick chart should be based on Bid price, Ask price or Middle price. MT4 standard charts display the bid price by default, so the default setting for the tick chart is also the bid price.

Variable	Value
----- Main Tick Chart Settings -----	
123 Where to display the tick chart	Indicator window only
123 Number of ticks per candle	30
123 Tick chart based on	Bid price
----- Offline Chart Settings -----	
123 Update offline chart at	every tick
123 Also update if new Hi/Lo (compared to this num of last candles)	0
123 Offline chart name	standard (e.g. 'EURUSD')
123 Offline chart ID number	9
----- History Settings -----	
123 Max age of history tick data (in hours)	60
123 History tick data source	Generate tick data from M1 candles
123 If downloading history, select the symbol	Forex & Metals: AUTO DETECT
----- Moving Average Settings -----	
123 Moving Average	Enabled
123 MA method	Exponential
123 MA period	20
123 Second Moving Average	Enabled
123 Second MA method	Exponential
123 Second MA period	50
123 MA crossover notification	OFF
----- Bollinger Bands Settings -----	
123 Bollinger Bands	OFF
123 BB period	20
123 BB deviation	2.0
----- Heiken-Ashi Settings -----	
123 Heiken-Ashi	OFF
----- Round to Pip Settings -----	
123 Round price values to 4-digit broker price	OFF

Update offline chart at – you can select when to update the offline tick charts. If this is set to '*tick candle close*', the offline chart will be updated only when a tick bar is finished and the next tick bar starts. If set to '*every tick*', the offline chart will refresh at every tick automatically. Other options are '*every 5th tick*', '*every 20th tick*' and '*every 50th tick*'.

Also update if new Hi/Lo (compared to this number of last candles) – if set to '0' (or offline chart updating is set to '*every tick*') this function is disabled. Otherwise this number specifies the number of last candles whose highest high and lowest low are checked. If current price exceeds the highest high or lowest low of these candles, then the offline chart will be updated (even if the 5th, 20th, 50th tick or candle close didn't happen yet). For example if this setting is set to '10', then the last 10 closed tick candles will be checked and if price crosses the highest high or lowest low of these candles, the offline chart will be refreshed.

Offline chart name – select between a standard name (e.g. 'EURUSD,M9') or a name with prefix '!rw' (e.g. '!rwEURUSD,M9') for the offline chart

Offline chart ID number – an identifier which will appear in the name of the offline chart (e.g. ID '9' for offline chart 'EURUSD, M9')

Max age of history tick data – this setting defines how old (in hours) history tick data should RW Tick Chart indicator download/generate. This setting is also displayed on Quick Control Bar as 'History'

Warning: *if 'History Tick Data Source' is set to 'Download...' and you specify a high number for this setting, you may have to wait longer for the tick data download to finish. The exact download time depends on your Internet connection speed and how many hours of history tick data will be downloaded.*

History tick data source – there are 3 options: history tick data can be generated using M1 candles, it can be downloaded from a 3rd party data provider, or it can be disabled and not displayed at all.

Difference between generated and downloaded tick data: if 'Generate tick data from M1 candles' is selected, the indicator will use OHLC values (Open, High, Low, Close) of the M1 candles to simulate history ticks (simulation of ticks is needed because MT4 doesn't store tick data). This type of tick chart is not as accurate as downloading real tick data from a 3rd party data provider, however it can be useful sometimes (e.g. when 3rd party tick data is not available for the given instrument).

If downloading history, select the symbol – this setting is only important if you are using downloaded history tick data. If you use generated tick data, then you can ignore this setting. So if you want to use downloaded history tick data and you are adding RW Tick Chart indicator to an Index or Commodity chart, you will need to select the name of the Index/Commodity manually. Otherwise (i.e. adding the indicator to a Forex currency or Gold/Silver chart) leave this option at the default setting which is 'Forex & Metals: AUTODETECT'

Moving Average – displaying of Moving Averages (in indicator window) can be enabled or disabled

Hint: you can change MA line color on the Colors tab of the indicator settings by editing the color of buffer #3

MA method – sets the method of Moving Average calculation. Options are Simple Moving Average, Exponential Moving Average, Smoothed Moving Average, Linear Weighted Moving Average

MA period – defines the period of the Moving Average. Moving Average will be displayed on the tick chart only after enough candles are available to calculate MA values (i.e. if there are already more candles on the tick chart than the period of the Moving Average).

Example: if you set MA period to 50, MA will be displayed on the tick chart only if there are already 50 tick candles available on the tick chart.

Second Moving Average – you can add a second MA line to the tick chart in the indicator window. The second MA line will be visible only if 'Moving Average' and 'Second Moving Average' both are enabled

Hint: you can change second MA line color on the Colors tab of the indicator settings by editing the color of buffer #4

Second MA method – methods of the second MA line can be: Simple Moving Average, Exponential Moving Average, Smoothed Moving Average, Linear Weighted Moving Average

Second MA period – period of the second MA line

MA crossover notification – you can choose to receive sound and alert window notifications in case the two Moving Averages cross

Bollinger Bands – enable this option to display Bollinger Bands on the tick chart in indicator window

Hint: you can change Bollinger Band colors on the Colors tab of the indicator settings by editing the color of buffer #5 for the upper line and #6 for the lower line

Hint: to display the middle line of Bollinger you can set one of the Moving Averages to the same period as Bollinger period and set MA method to 'SMA'. Its color can be set at the Colors tab of the settings by editing color of buffer #3 or buffer #4

BB period – period of Bollinger Bands

BB deviation – deviation of Bollinger Bands

Heiken-Ashi – if enabled, Heiken-Ashi will be applied to the tick chart in the indicator window

Round price values to 4-digit broker price – if enabled, the indicator rounds price values to pip values. This setting would make a 5-digit broker tick chart look like a tick chart at a 4-digit broker. Usually a 4-digit broker tick chart would make candle blocks and clustering of candles more recognizable and could help scalping.

Hint: To learn more about scalping, candle blocks and clustering it is recommended to read Bob Volman's book on Forex Price Action Scalping.

Max number of candles in indicator window – sets the maximum number of candles that the indicator draws in the indicator window. Default setting is 1000 candles

Warning: *this setting doesn't affect the number of candles on offline tick charts (that is only affected by setting 'Max age of history tick data')*

Bull Candle color – color of bull candle bodies

Bull Candle outline color – color of bull candle borders and wicks

Bear Candle color – color of bear candle bodies

Bear Candle outline color – color of bear candle borders and wicks

Doji Candle color – color of doji candles (i.e. candles with the same opening and closing price)

Menu and button color – color of the Quick Control Bar and the offline chart opening button

Time added to tick candle description – if enabled, opening times of tick chart candles will be added to the tick candle's description field, so they can be queried from the code of Expert Advisors

Copy main chart trendlines to tick chart – if enabled, trendlines created on the main chart will be copied to the tick chart in the indicator window

Show tooltips – if enabled, moving the mouse cursor over a tick candle in the indicator window will result in showing the OHLC values of the tick candle in a little tooltip window

Show open trades – specifies if currently open trades with stop loss and take profit levels should be displayed on the tick chart in the indicator window or not

Variable	Value
----- Candle & Display Settings -----	
ab	
123 Max number of candles in indicator window	1000
Bull candle color	Lime
Bull candle outline color	Lime
Bear candle color	Red
Bear candle outline color	Red
Doji candle color	White
Menu and button color	BurlyWood
123 Time added to tick candle description	OFF
123 Copy main chart trendlines to tick chart	OFF
123 Show tooltips	OFF
123 Show open trades	trades with SL and TP levels
----- Price Line -----	
ab	
123 Price line method	No line
123 Price line style	Solid
Price line color	Silver
----- Time Lines -----	
ab	
123 Time lines in indicator window	Enabled
123 Minutes between time lines	AUTO
123 Time line style	Dot
Time line color	DimGray
----- Time Labels -----	
ab	
123 Display time next to time lines	Enabled
123 Minutes between time labels	AUTO
123 Placement of time labels	at bottom
123 Tick chart time: hour offset	0
123 Time label font size	7
ab	
Time label font type	Times New Roman
Time label color	BurlyWood
----- Horizontal Grid Lines -----	
ab	
123 Horizontal grid lines in indicator window	OFF
123 Distance between horizontal grid lines	100 pips
123 Horizontal grid line style	Dot
Horizontal grid line color	DimGray
123 Show price values of horizontal grid lines	OFF
----- Tick Counter -----	
ab	
123 Display current tick number	Indicator window only
123 Tick number display corner (ind. window)	Left upper chart corner
123 Tick number display corner (offline chart)	Left upper chart corner
123 Tick number X-offset	4
123 Tick number Y-offset	15
123 Tick number font size	7
ab	
Tick number font type	Arial
Tick number color	BurlyWood

Price line method – this setting defines if a price line is drawn in the indicator window. The price line is a horizontal line which moves constantly to reflect current price level. The default setting is 'NO LINES'. If set to 'CURRENT PRICE LINE', the price line will show the price on which the tick chart is based (Bid, Ask or Mid price – defined at setting 'Tick chart based on'). If the price line method is set to 'BID & ASK LINES', two price lines will be shown: one for Bid price and another for Ask price.

Price line style – sets the line style of price lines. Options are Solid, Dash, Dot, Dash-dot, Dash-dot-dot lines. Default setting: Solid

Price line color – color of price lines

Time lines in indicator window – this setting enables time lines on the tick chart, so a vertical line will be displayed when a specified time period has elapsed

Minutes between time lines – defines the time period when vertical lines will be displayed. Options are 1, 5, 10, 15, 30, 60, 120, 240 minutes and AUTO. If set to AUTO, the indicator will calculate the optimal distance between time lines

Time line style – options are Solid, Dash, Dot, Dash-dot, Dash-dot-dot lines. Default setting: Dot

Time line color – color of time lines

Display time next to time lines – display time labels next to time lines in indicator window

Minutes between time labels – this setting defines the time period when time labels will be shown. Options are 1, 5, 10, 15, 30, 60, 120, 240 minutes and AUTO. If set to AUTO, the indicator will set this

Placement of time labels – time labels can be displayed at top or bottom of the indicator window

Tick chart time: hour offset – with this setting you can set tick chart time to a different hour. E.g. if you set this value to +7, time labels in indicator window will show 11:00 instead of 4:00. If you set it to -4, time labels will show 19:00 instead of 23:00. Possible values are -12 to +12, default value is 0

Time label font size – font size of time labels

Time label font type – font type of time labels

Time label color – color of time labels

Horizontal grid lines in indicator window – if TRUE, the tick chart in the indicator window will draw horizontal grid lines with specific number of pips (see '*distance between horizontal grid lines*' setting) between them. By default horizontal grid lines are disabled.

Distance between horizontal grid lines – this setting defines the distance (i.e. number of pips) between horizontal grid lines to be drawn on the tick chart in the indicator window. The options are: 1, 5, 10, 20, 25, 50 or 100 pips. Default value: 100 pips

Horizontal grid line style – sets the line style of horizontal grid lines. Options are Solid, Dash, Dot, Dash-dot, Dash-dot-dot lines. Default setting: Dot

Horizontal grid line color – color of horizontal grid lines

Show price values of horizontal grid lines – if set to TRUE, the price values will be shown at the right side next to the horizontal grid lines in the indicator window of MT4. By default this is set to FALSE.

Display current tick number – this setting enables the tick counter in the indicator window, on the offline tick chart or both. When the tick number reaches the tick value of the current tick chart (e.g. 50 at a 50-tick chart), it resets to zero and starts counting again.

Tick number display corner (ind. window) – you can place the tick counter in any corner of the indicator window

Tick number display corner (offline chart) – you can place the tick counter in any corner of the offline tick chart

Tick number X-offset – you can move tick counter horizontally by defining the X-offset. The offset is relative to the set corner (defined in '*tick number display corner*'). This is for indicator window only.

Tick number Y-offset – you can move tick counter vertically by defining the Y-offset. The offset is relative to the set corner (defined in '*tick number display corner*'). This is for indicator window only.

Tick number font size – font size of tick counter in indicator window

Tick number font type – font type of tick counter in indicator window

Tick number color – color of tick counter in indicator window

Offline Charts

RW Tick Chart indicator supports the use of offline charts. The benefit of using offline charts is that you can add many custom indicators or Expert Advisors to the offline charts and as a result you will get tick chart based indicators (or EAs). Despite their name offline charts are not really 'offline' because they get refreshed automatically. The refresh period can be set at indicator settings panel with some other settings:

Where to display the tick chart – enable offline charts by setting this option to either *'Indicator window and offline chart'* or *'Offline chart only'*

Update offline chart at – you can set the period of the offline chart automatic refresh. Options are at *'every tick'*, at *'every 5th tick'*, at *'every 20th tick'*, at *'every 50th tick'* or at *'tick candle close'*.

Update offline chart at – you can set the period of the offline chart automatic refresh. Options are at *'every tick'*, at *'every 5th tick'*, at *'every 20th tick'*, at *'every 50th tick'* or at *'tick candle close'*.

Also update if new Hi/Lo (compared to this number of last candles) – this setting determines the number of last finished tick candles to check, and if their highest high or lowest low is exceeded by current price, then the offline chart will be updated. If set to *'0'*, this function is disabled.

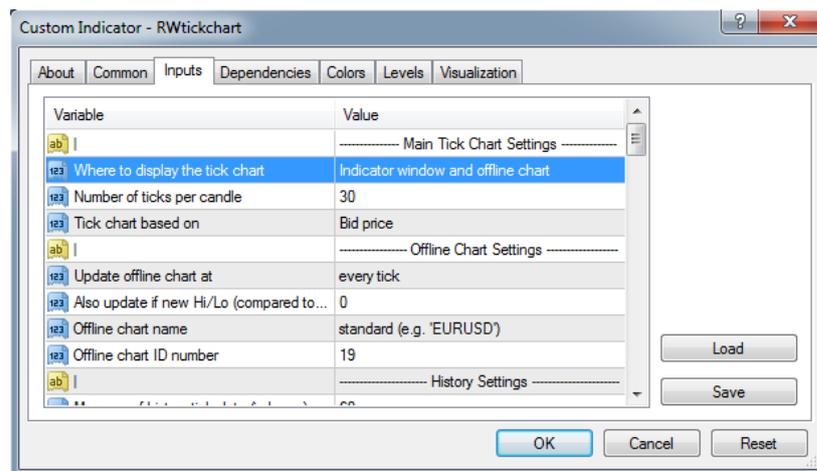
Offline chart ID number – the offline chart ID gives the number part behind letter 'M' in the name of offline charts. It helps to identify which offline chart you will need to open. RW Tick Chart indicator will display the name of the offline chart at the upper left corner of the indicator window

Please be aware that MT4 and RW Tick Chart indicator doesn't support offline charts while running backtests in MT4 Strategy Tester.

Offline Chart Example: Ichimoku added to offline tick chart

To use Ichimoku indicator with an offline tick chart you can follow these example steps:

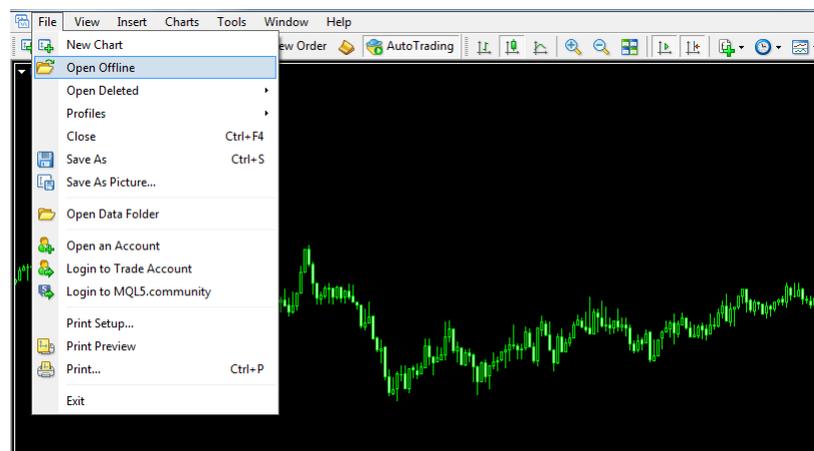
1. add RW Tick Chart indicator to a main chart (e.g. EURUSD)
2. at the settings panel of RW Tick Chart indicator change setting *'Where to display the tick chart'* to *'Indicator window and offline chart'*. Let's also change *'Update offline chart'* to *'every tick'* and *'Offline chart ID number'* to *'19'*. When finished click *'OK'*



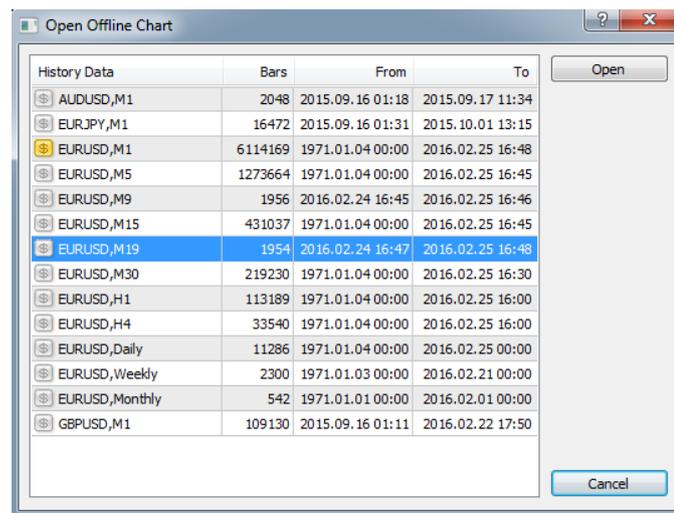
- after that RW Tick Chart indicator will generate the offline tick chart from the incoming ticks. In the upper left corner of the indicator window you'll see which offline chart needs to be opened (underlined with red on the screenshot):



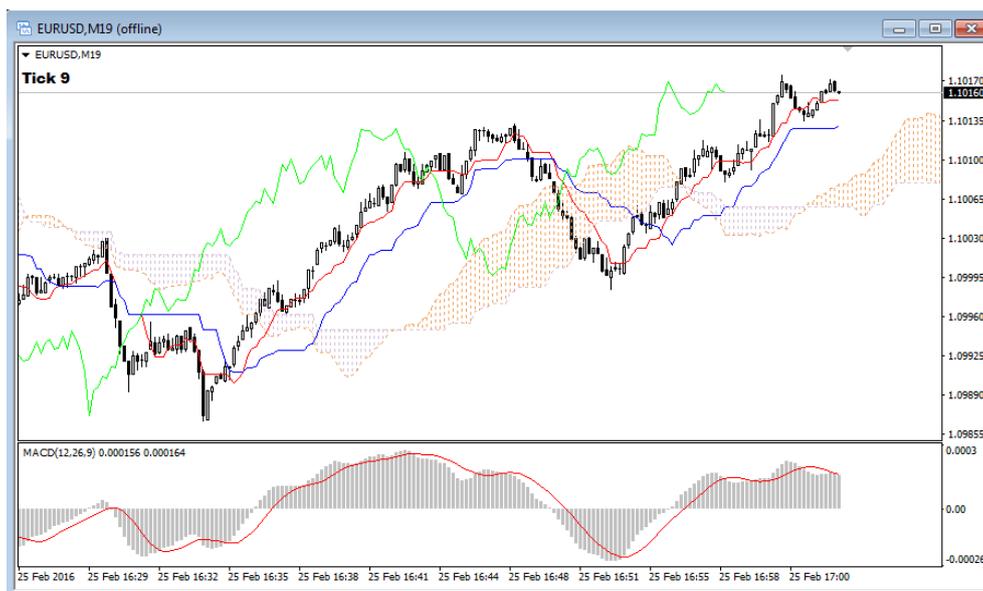
- to open the offline chart you can click on the 'OPEN' button in the upper left corner of the indicator window (next to the name of the offline chart). The other method to open the offline chart is to open MetaTrader 4 'File' menu and select 'Open Offline'



- if you used the second method to open the offline chart, a window will appear with a list of offline charts. Just select offline chart 'EURUSD, M19' and click 'Open'



- when the offline tick chart appears, it will show the same tick chart which you can see in the indicator window of the main chart. Now you can add Ichimoku indicator to the offline chart just the same way as you would add it to any other chart. You can also add other indicators (like MACD) or even Expert Advisors to the offline tick chart.



If you used another currency in the above example like GBPJPY with Offline Chart ID set to 17, then you have to open the offline chart called 'GBPJPY, M17'.

You also have the option to use offline chart names with prefix '!rw' like '!rwGBPJPY'. To do that you need to set 'Offline chart name' to 'with prefix' at the indicator settings.

History Tick Data

MetaTrader 4 doesn't store tick data and as a result history tick data cannot be queried or exported from MT4. RW Tick Chart indicator offers two options to solve this problem and display history tick data.

1. Generate history tick data from M1 candles
2. Download tick data from a 3rd party data provider

The 1st option – generating tick data from M1 candles – has the advantage that it doesn't need any external website and can be used on all instruments that are present in MT4. The drawback is that the generated history tick data is simulated (based on Open, High, Low, Close values of M1 candles), so – although it is very similar to the real tick chart – there is no real tick data behind the tick candles.

The 2nd option – downloading tick data from a 3rd party data provider (currently Dukascopy) – has the advantage that it is real tick data collected from the market, so it is as accurate as it can be. Unfortunately it has the drawback that the data provider doesn't provide tick data for all instruments, only the most popular ones. It also needs an external website to download data from and downloading is somewhat slower than generating tick data from M1 candles.

Downloading tick data usually takes some time. The download time depends on many factors for example how many instruments need to download tick data at once, how many hours of tick data is downloaded, what is the speed of your internet connection... etc. MetaTrader 4 may become unresponsive during the downloading process, in this case please be patient. Typical download times may range between a few seconds and 45-60 seconds depending on the factors mentioned above, but sometimes under special circumstances the download may take minutes.

For the downloaded tick data the terms and conditions of Dukascopy apply. These can be found at <https://www.dukascopy.com/swiss/english/marketwatch/historical>. Use the tick data download function only if you agree with the above terms and conditions. Please also be aware that the 3rd party provider (currently Dukascopy) can anytime change or completely stop providing history tick data for the public. As a result, this feature is provided 'as is' without warranty of any kind and it is not guaranteed that it will work in the future.

The amount of the downloaded history tick data depends on setting 'Max age of history tick data'. The default setting for 'Max age of history tick data' is '60', so 60 hours of history tick data will be downloaded if you use the default setting.



Sometimes it can happen that the tick chart looks messed up or it shows a strange, incorrect candle pattern (e.g. such situation can happen if you start MT4 after a few days pause).



In such case it is possible to force the re-download or re-generation of tick data. To do that you need to open the Quick Control Bar by clicking on the little arrow in the lower left corner of the indicator window. When the Quick Control Bar appears and you hover your mouse cursor over the 'RELOAD' button, you can read the instructions.



For a simple reloading of the current tick chart simply press the 'RELOAD' button. Most of the times this is enough and the chart will be corrected after reloading it.

If it is still not correct, press and hold SHIFT button on your keyboard while pressing the 'RELOAD' button on the Quick Control Bar in the indicator window. This will trigger the removal of tick data files and they will be re-downloaded or re-generated.

Finally if the chart still doesn't look correct, it is possible that you are watching a commodity/index chart and you forgot to choose the appropriate commodity/index at field 'If downloading history, select the symbol' in indicator settings (or you selected the wrong one). Please re-check the settings.

Quick Control Bar

If you are using the tick chart in the indicator window, you may notice a small arrow in the lower left corner of the indicator window (see it marked with red arrow on the screenshot).

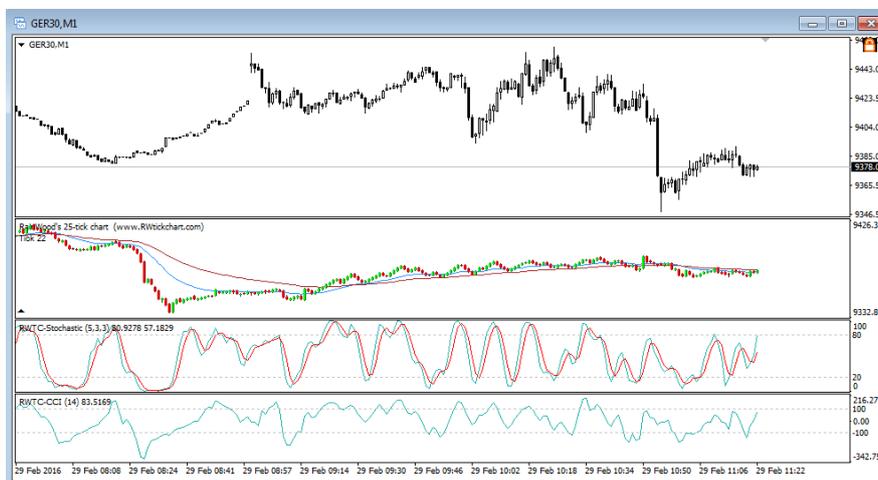


You can show and hide the Quick Control Bar by clicking on this small arrow. The Quick Control Bar lets you change the tick volume (called 'Number of ticks per candle' at indicator settings) and history (called 'Max age of history tick data') on the fly and you can also reload/regenerate the tick chart with the 'RELOAD' button if the tick chart gets messed up because of some MT4 issues.



Additional Indicators

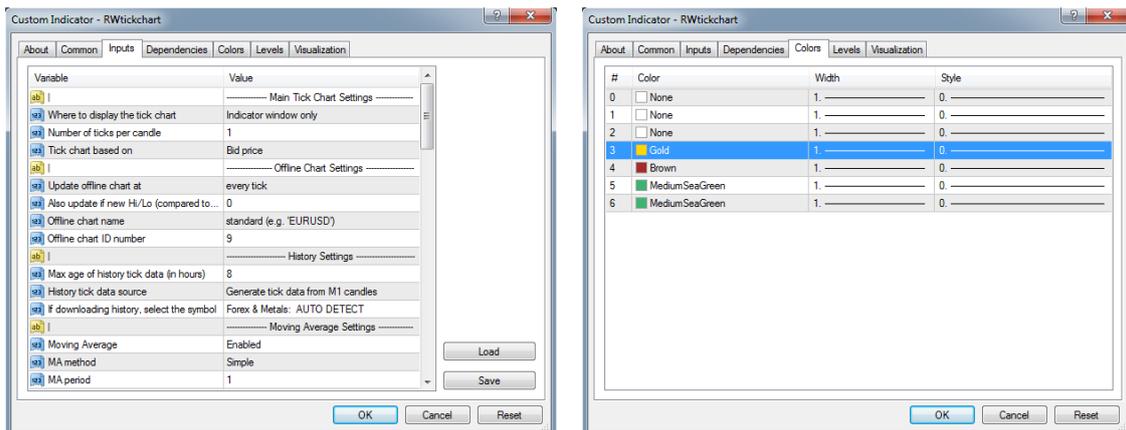
In the downloaded .ZIP file there are additional indicators included, for example: RWTC.Stochastic, RWTC.MACD, RWTC.CCI... etc. These are modified versions of MT4 built-in indicators. They have been modified to be tick chart based, so you can add these indicators to the same main chart as RW Tick Chart indicator and they will move in sync with the tick chart showing tick chart based values.



Tips

Some tips and hints to make your life easier:

1-tick chart – if you would like to use 1-tick chart, the following settings are recommended: *Number of ticks per candle = 1, Moving Average = Enabled, MA method = Simple, MA period = 1*. You can set the line (connecting the tick price values) color at the *Colors* tab of the indicator settings window (where you set the color of the MA line – it's the third setting with id #3):



Middle line for Bollinger Bands – to display the middle line for Bollinger Bands – which is a Simple Moving Average – just set the first Moving Average to the same period as the Bollinger Bands and set the MA method to 'Simple'. The color of the line can be set at the *Colors* tab of indicator settings window by editing the color for buffer #3. You can disable second MA by setting 'Second Moving Average' to OFF.

Economy Calendar – clicking the red padlock  icon in the upper right corner of the chart opens a browser window with an economy calendar located at www.rwtickchart.com/eco.htm

Saved files – sometimes it is worth to check *MetaTrader4 data folder\MQL4\Files\RWtickchart.com* directory and delete old files to save disk space.

RW Tick Chart settings and performance impact – if you have a slower computer you may need to select the following settings carefully to decrease the performance impact on your computer: 'Max number of candles in indicator window' and 'Max age of history tick data'. The higher values you set, the greater the performance impact will be. Using offline charts also has some performance impact. To minimize this it is recommended to use higher value tick charts (e.g. 50-tick chart or greater) or set 'offline chart updating' to 'tick candle close' or 'every 50th tick' instead of 'every tick'.

Contact Us

You can find some more information, recent news, and useful links on the following website:

<http://www.rwtickchart.com>

To contact us with questions, comments, feedback, suggestions please visit this page:

<http://www.rwtickchart.com/contact.php>

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