

# Daily Boxes / Lines Indicator, by hanover

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This indicator will draw filled or unfilled boxes, and / or vertical or horizontal lines, the same time period for each day of the week that you specify. It can be used to plot breakout boxes, session delimiters, S/R lines, etc. It can now also plot Wingding symbols above / below candles also.

Download it into the **.....MT4/experts/indicators** folder

**LookbackDays** - number of days to plot the boxes / lines for; counts back from the current date. Each day is assumed to start and end at midnight (MT4 time). If you want to plot boxes / lines back to the beginning of the chart, set its value to a large number like 999999; it will not attempt to plot objects beyond the first candle in the chart.

## **StartHours**

## **EndHours**

**ExtendHours** - this is the hour of the day (MT4 time). A value of **0** is midnight. A positive number refers to X hours after midnight, e.g. **5** = 0500 hours. Use negative numbers to plot back into the previous day, e.g. **-5** = 1900 hours. You may also include decimal values, e.g. **4.5** = 0430 hours, **-6.25** = 1745 hours; and you can also extend lines / boxes into future or prior days by using values greater than 24 or less than **-24**, e.g. **40** = 1600 hours into the following day.

- **Boxes** are plotted from *StartHours* to *ExtendHours*, unless the 'T' property is included in *Properties*, in which case they are truncated at *EndHours*. The upper and lower extremities of each box are determined by the highest and lowest prices between *StartHours* and *EndHours*. (Note / hint: you can make *EndHours* and *ExtendHours* the same value).
- **Twin Horizontal Lines** are plotted from *StartHours* to *ExtendHours*, using the highest and lowest prices between *StartHours* and *EndHours*.
- **Vertical Lines** are plotted at *StartHours*, and (if the 'VV' property is included) at *ExtendHours* also.

**UniqueID** - you can plot multiple regions or sessions by attaching multiple instances of the indicator to the same chart, but you must give each instance a different *UniqueID*.

## **BoxColor**

**LineColor** - the colors that will be used to plot the boxes, and lines, respectively.

**Properties** - include any combo of the following characters (upper or lowercase), in any order:

**H** = plot twin **H**orizontal lines (from the highest high and lowest low between *StartHours* and *EndHours*)

**C** = plot a single horizontal line from the **C**lose of the candle at *StartHours*

**O** = plot a single horizontal line from the **O**pen of the candle at *StartHours*

**X** = e**X**tend horizontal lines (as rays) to the RHE of the chart (useful for plotting daily/session highs/lows as S/R)

**V** = plot a single **V**ertical line (**V^** plots a single vertical line with its background set on)

**VV** = plot twin **V**ertical lines (**VV^** plots twin vertical lines with their backgrounds set on)

**B** = plot a **B**ox (default is unfilled)

**F** = plot a **F**illed box

**T** = **T**runcate box at *EndHours*

**P** = display box height (in **P**ips). Must have object descriptions switched on (press F8, on Common tab)

Alternatively, you can use *TextProperties* to display box heights (explained below)

**>** (greater than symbol) = plot the box between the **O**pen price at the *StartTime*, to the highest price in the time interval enclosed by the box

**<** (less than symbol) = plot the box between the **O**pen price at the *StartTime*, to the lowest price in the time interval enclosed by the box

Integer between **1** and **5** = line width

Line style is assumed to be solid, unless any one of the following tokens is included:

-- = dashed

. = dotted

-. = dash-dot ('N' in Morse code)

-. = dash-dot-dot ('D' in Morse code)

**E** = determine the highest volum**E** candle between *StartHours* and *EndHours*. Then plot a horizontal line, between *StartHours* and *ExtendHours*, from the high and low of this candle

**R** = determine the highest **R**ange candle between *StartHours* and *EndHours*. Then plot a horizontal line, between *StartHours* and *ExtendHours*, from the high and low of this candle

**M** = find the candle, between *StartHours* and *EndHours*, whose volume **M**ultiplied by its range has the greatest value. Then plot a horizontal line, between *StartHours* and *ExtendHours*, from the high and low of this candle

**D** = find the candle, between *StartHours* and *EndHours*, whose volume **D**ivided by its range has the greatest value. Then plot a horizontal line, between *StartHours* and *ExtendHours*, from the high and low of this candle

**W** = plot a **W**ingdings symbol above / below the candle at *StartHours* (see *SymbolProperties* for details)

**WW** = plot two **W**ingdings symbols; one above / below the candle at *StartHours*, the other above / below the candle at *ExtendHours* (see *SymbolProperties* for details)

**HorizLineLevels** - this applies only to the single horizontal line plotting options (*Properties* = **C** or **O**). Multiple horizontal lines will be drawn X pips above/below the **Close** or **Open** of the candle specified by *StartHours*. Up to 99 levels may be specified, separated by commas. For example (and assuming *Properties* = **C**), an entry of: **-10,0,20** would plot lines at **10** pips below the close price, the close price itself, and **20** pips above the close price. An entry of **0** would simply plot a single horizontal line from the close price.

**TextProperties** - blank out this field unless you want the box height (in pips) displayed above / below the box. If the latter (which is an alternative to setting *Properties* = **P**), the format for this parameter is <fontname>, <fontsize>, <fontcolor>, <vertspacing>, <mask> in that order, separated by commas:  
<fontname> = must be the name of a valid installed Windows font, and is case sensitive  
<fontsize> = an integer that determines the size of the text  
<fontcolor> = must be either a valid MT4 colour token (e.g. Green, SaddleBrown, Goldenrod, CornflowerBlue, etc), or a custom entry like **RnnnGnnnBnnn**, e.g. R255R255 (green=255, red=255, no blue) is the same as Yellow.  
<vertspacing> = the number of pips above the box high, or below the box low, where the text will be displayed. Positive value = above the high; negative value = below the low.  
<mask> = determines the format of the value (box height) being output:  
-- **n** -- as an integer of **n** digits  
-- **n.d** -- as number with **n** digits to the left of the decimal point, and **d** digits to the right  
-- include a **T** to left align and **T**truncate the field  
-- include a **R** to **R**ound any unseen decimals to the final digit shown, e.g. **R3** would cause 26.7 pips to be output as 27  
-- '**text1'n.d'text2'** -- quote-enclosed text (use single quotes) to be placed before or after the value, e.g. **4.1' pips'** (Hint: blanks can be inserted to shift the value left or right relative to the LHS of the box)

**SymbolProperties** - this is relevant only if you've entered **W** or **WW** in the *Properties* setting. The format for this parameter is <symbolsize>, <symbolcolor>, <symbolnumber>, <vertspacing> in that order, separated by commas:  
<symbolsize> = an integer (1 thru 5) that determines the size of the plotted symbols  
<symbolcolor> = determines the colors of the plotted symbols. Must be either a valid MT4 colour token (e.g. Green, SaddleBrown, Goldenrod, CornflowerBlue, etc), or a custom entry like **RnnnGnnnBnnn**, e.g. G255R255 (green=255, red=255, no blue) is the same as Yellow.  
<symbolnumber> = the Wingdings symbol number. See the table attached to this post.  
<vertspacing> = the number of pips above the candle high, or below the candle low, where the symbol will be displayed. Positive value = above the high; negative value = below the low.

**DaysOfWeek** - which days of the week you want the boxes / lines plotted. Use the first three characters of the name, e.g. Mon, Tue, Sat. Upper or lowercase, separated by commas. (Example: If you want to plot a vertical line at weekly open, set *DaysOfWeek* = **Mon**. If you want weekly opens as blue lines, and other daily opens as red lines, attach two instances of the indicator: (1) *DaysOfWeek* = **Mon** (2) *DaysOfWeek* = **Tue,Wed,Thu,Fri**

**Visibility** - which timeframes you want the boxes/lines to appear on. Upper or lowercase, separated by commas. Valid entries are **M1, M5, M15, M30, H1, H4, D1, W1, and MN**

**TimeFrame** - which timeframes candles will be used to determine the highs / lows across the window between *StartHours* and *EndHours*. Valid entries are **M1, M5, M15, M30, H1, H4, D1, W1** or **MN** (upper or lowercase). Or if you leave the field blank, it defaults to the current chart's timeframe.

**CandlesMustExist** - if set to true and a candle of the required time does not exist, no line will be plotted.

**ClearancePips** - allows the boxes or horizontal lines to be plotted / extended X pips above the price high, and below the price low. Useful for plotting box breakouts, where the trade entry point is X pips above / below the box.

**RefreshEveryXmins** - can be any one of:

**-1** (or any negative number) = plot only once, when indicator is attached (or edited)

**0** = re-plot on every new price tick (WARNING: can slow computer performance)

**1, 5, 15, 30, 60** or **240** = re-plot when the first tick of a M1, M5, M15, M30, H1 or H4 candle occurs

**The indicator is provided 'as is'; take it or leave it. I don't intend to spend a lot of time customizing it further. Source code is provided, so that you can modify it for yourself.**

<http://www.forexfactory.com/showthread.php?t=256848&page=2>

<http://www.forexfactory.com/hanover>

The screenshot below is the result of using the default parameter settings.



	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
20	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
30	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
40	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
50	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
60	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
70	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
80	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
90	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
A0	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
B0	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
C0	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207
D0	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
E0	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239
F0	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255