

# 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:

**Z** = 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 **C**lose or **O**pen 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 |