



Harmonic Indicator

LixxChartz Mar 3, 2021



This indicator finds all of the gartley and cypher patterns on anychart and personally I have been using them profitably with BTC , ETH, and LTC. It includes entry points for both patterns but not TP levels, that is up to you to do research on. In version 2 I am working on this, if any of you can help me with that, it would be appreciated. Goodluck!



Açık kaynak kodlu komut dosyası ⓘ

Gercek TradingView rühuyla, bu belgenin yazılı, yatırımcının anlayabilmesi ve doğrulanabilmesi için onu açık kaynak olarak yayınladı. Yazının eline sağlık! Bunu ücretsiz olarak kullanabilirsiniz, ancak bu kodun bir yanında yerinden kullanımı [Kullanım Koşulları](#) ile yönettilir. Bir grafikte kullanmak için favorilere ekleylebilirsiniz.

Feragatname

Bilgiler ve kaynaklar, TradingView tarafından sağlanan veya onaylanan finansal, yatırım, işlem veya diğer türden tavsiye veya tavsiyeler anlamına gelmez ve teşkil etmez. [Kullanım Şartları](#)nda daha fazlasını okuyun.

Bu komut dosyasını bir grafikte kullanmak ister misiniz? ⓘ

[★ Favori göstergelere ekle](#)

```

1 // This source code is subject to the terms of the Mozilla Public License 2.0 at https://mozilla.org/MPL/2.0/
2 // © LIXXCHARTZ
3 
4 //@version=4
5 study("Harmonic Indicator", overlay = true)
6 length = input(5, title = "Length")
7 h = highest(high, length * 2 + 1)
8 l = lowest(low, length * 2 + 1)
9 f_isMin = false
10 f_isMax = false
11 f_isMaxLen = false
12 h == high[1]
13 
14 var dirUp = false
15 var lastHigh = high * 100
16 var lastLow = low * 100
17 var timeLow = bar_index
18 var timeHigh = bar_index
19 var line11 = na
20 f_drawLine() =>
21     _li_color = dirUp ? color.red : color.green
22     line11 := line.new(xloc[bar_index], color=_li_color, width=2
23         , xtimehigh - length, lastHigh,
24         , xtimelow - length, lastLow,
25         , xloc[bar_index], color=_li_color, width=2
26         , | )
27 
28 if dirUp
29     if (f_isMin(length) and low[length] < lastLow)
30         lastLow := low[length]
31         timeLow := bar_index
32         line.delete(line11)
33         line11 := f_drawLine()
34 
35     if (f_isMax(length) and high[length] > lastHigh)
36         lastHigh := high[length]
37         timeHigh := bar_index
38         dirUp := false
39         line11 := f_drawLine()
40 
41 if not dirUp
42     if (f_isMax(length) and high[length] > lastHigh)
43         lastHigh := high[length]
44         timeHigh := bar_index
45         line.delete(line11)
46         line11 := f_drawLine()
47     if (f_isMin(length) and low[length] < lastLow)
48         lastLow := low[length]
49         timeLow := bar_index
50         dirUp := true
51         line11 := f_drawLine()
52         if (f_isMax(length) and high[length] > lastLow)
53             lastHigh := high[length]
54             timeHigh := bar_index
55             dirUp := false
56             line11 := f_drawLine()
57 
58 LHM = f_isMax(length) and high[length] > lastLow ? high[length] : f_isMin(length) and low[length] < lastHigh ? low[length] : na
59 // for alerts
60 x = valuewhen(LHM, LHM, 3)
61 a = valuewhen(LHM, LHM, 1)
62 b = valuewhen(LHM, LHM, 1)
63 c = valuewhen(LHM, LHM, 0)
64 
65 //gartley and cypher
66 xab = (abs(b-a)/abs(x-a))
67 abc = (abs(c-b)/abs(x-b))
68 axc = (abs(c-x)/abs(a-x))
69 
70 //gartley
71 gxab = xab >=.618 and xab < .786
72 gabc = abc >=.618 and abc < 1
73 //cypher
74 cxab = xab > .382 and xab < .618
75 caxc = axc >= 1.372 and axc < 1.414
76 
77 
78 gartleyalert = gxab and gabc and a > x and f_isMax(length) and high[length] > lastLow ? gxab and gabc and a > x and f_isMax(length) and high[length] : gxab and gabc and x > a and f_isMin(length) and high[length] > lastHigh ? gabc and abc > 1 and f_isMin(length) and high[length] : gabc and abc > 1 and f_isMax(length) and high[length] : na
79 gartleybull = gxab and gabc and a > x and f_isMax(length) and high[length] > lastLow ? high[length] : na
80 gartleybulif = gxab and gabc and a > x and f_isMax(length) and high[length] > lastLow
81 gartleybulif = gxab and gabc and a > x and f_isMin(length) and low[length] > lastHigh
82 gartleybearif = gxab and gabc and x > a and f_isMin(length) and low[length] > lastHigh

```

```

83
84 cypheralert = cxab and caxc and a > x and f_isMax(length) and high[length] > lastlow : cxab and caxc and a > x and f_isMin(1
85 cypherbull = cxab and caxc and a > x and f_isMax(length) and high[length] > lastlow : na
86 cypherbear = cxab and caxc and a > x and f_isMin(length) and low[length] < lasthigh : na
87 cypherbullf = cxab and caxc and a > x and f_isMax(length) and high[length] > lastlow
88 cypherbearf = cxab and caxc and a > x and f_isMin(length) and low[length] < lasthigh
89
90 plotshape(gartleybull, title = 'Gartley Alert Bullish', text = shape.labeldown, color = color.green, textcolor = color.white, transp = 0, offset = -length, size = size.auto
91 plotshape(gartleybear, title = 'Gartley Alert Bearish', text = shape.labelup, color = color.red, textcolor = color.white, transp = 0, offset = -length, size = size.auto, 10
92 plotshape(cypheralert, title = 'Cypher Alert Bullish', text = shape.labeldown, color = color.green, textcolor = color.white, transp = 0, offset = -length, size = size.auto, 1
93 plotshape(cypheralert, title = 'Cypher Alert Bearish', text = shape.labelup, color = color.red, textcolor = color.white, transp = 0, offset = -length, size = size.auto, 10
94
95 //gartley buy/sell line
96 gbuild = gartleybearf ? b - ((a - b) * 1.272 - (b - a)) : na
97 gbear = gartleybearf ? ((a - b) * 1.272 - (b - a)) : na
98
99 entrytimegartleybull = gartleybullf ? bar_index : na
100 entrytimegartleybear = gartleybearf ? bar_index : na
101
102 line.new(entrytimegartleybull, gbuild, entrytimegartleybull - 10, gbuild, color = color.green)
103 line.new(entrytimegartleybear, gbear, entrytimegartleybear - 10, gbear, color = color.red)
104
105 //gartley exit line
106
107 gbuilclose = valuewhen(close < gbuild and open > gbuild, close, 0)
108 gbuilclosef = close < gbuild and open > gbuild
109
110 exittimebull = gbuilclosef ? bar_index : na
111
112 gbuiltarget = c - ((c - gbuilclose) * .618)
113
114 line.new(exittimebull, gbuiltarget, exittimebull - 5, gbuiltarget, color = color.yellow)
115
116 //cypher buy/sell line
117 cbull = cypherbullf ? c - ((c - x) * .786) : na
118 cbear = cypherbearf ? c + ((x - c) * .786) : na
119
120 entrytimecypheralert = cypherbullf ? bar_index : na
121 entrytimecypheralert = cypherbearf ? bar_index : na
122
123 line.new(entrytimecypheralert, cbull, entrytimecypheralert - 10, cbull, color = color.green)
124 line.new(entrytimecypheralert, cbear, entrytimecypheralert - 10, cbear, color = color.red)
125
126
127 //Alerts - In order to get the alerts, you need to turn them on in your charts !!
128 alertcondition(gartleyalert, title = 'Gartley Alert')
129 alertcondition(cypheralert, title = 'Cypher Alert')
130
131 //test alerts
132 // plotchar(gartleyalert)
133 // plotchar(cypheralert)
134
135
136

```

Yorumlar

Yararıcı veya teşvik edici bir yorum bırakın. Piyasalarla birlikte hâkim olalım

[Aklışlara yorum](#) [Yorum Paylaş](#)

 **FearlessLimitless** · Mar 15, 2021 [Cevap Gönder](#)

Hey, thanks for making this, it looks great. I would love to help you but Im far from knowing PineScript. I'm wondering, does the alert only fire when there is a label printed or does it fire when the line change colour? Also when does the line change colour?

+13 [Cevap Gönder](#)

 **LixxChartz** · Mar 15, 2021 [Cevap Gönder](#)

@FearlessLimitless, the alert fires when the setup label gets printed. The label gets printed when the line is printed so you would get the alert after the price begins to move down. Normally the label will get printed before the price reaches the target entry. Does that answer your question? I am using it now with alerts on the 4, 5 and 9 lengths. You could copy the code to do this. The line changes color when the price goes opposite from the last line, and when it does this has to do with the length that you set. Hope that helped. Also after you get the setup alert, there can not be another line before it reaches the target, it needs to be a straight shot there. Hope that helps!

[Cevap Gönder](#)

 **kennairne** **PRO+** · Ago 1, 2021 [Cevap Gönder](#)

Hey, a massive thank you for this indicator. It's working perfectly for me after making some changes to the settings...One question! Would it be possible to make it so we can have alerts. I tried to create alerts with it but wasn't having it. Many thanks. Ken UK...

+6 [Cevap Gönder](#)

 **LixxChartz** · Ago 1, 2021 [Cevap Gönder](#)

@kennairne, I don't have a lot of time to keep working on this script, but what types of alerts are you talking about. There are already gartley and cypher alerts built into the script.

+1 [Cevap Gönder](#)

 **kennairne** **PRO+** · Ago 1, 2021 [Cevap Gönder](#)

@LixxChartz, Understood. The Zig Zag Patterns are much faster and more accurate to trade. It's not a problem! I know you're busy yourself. Thanks anyway for getting back so quick. Ken

[Cevap Gönder](#)

 **LixxChartz** · Ago 1, 2021 [Cevap Gönder](#)

@kennairne, That is how it appears, but the zigzag is only drawn once the market reverses. And they can preprint

+1 [Cevap Gönder](#)

 **worm_1** **Premium** · Kas 11, 2021 [Cevap Gönder](#)

how do I add this to my chart?

+2 [Cevap Gönder](#)

 **SatoshiNak_CY** · Haz 10, 2021 [Cevap Gönder](#)

Hi buddy. Thank you for the equation. When I set an alarm, how can I be notified when the line changes color, that is, at the extreme point?

+2 [Cevap Gönder](#)

 **LixxChartz** · Haz 13, 2021 [Cevap Gönder](#)

@omerbererke_, I only programmed the alerts for when the harmonic patterns form. The lines are delayed, the alert would occur way to far into the move for it to be profitable.

[Cevap Gönder](#)

 **JediStar6571** · May 30, 2021 [Cevap Gönder](#)

Thank you for sharing this source code mate, much appreciated.

+1 [Cevap Gönder](#)

 **Steve666** **PRO+** · Nis 7, 2021 [Cevap Gönder](#)

Thank you very much for this. Not sure what the horizontal lines do ... probably define the pattern area ??

+1 [Cevap Gönder](#)

 **LixxChartz** · Nis 25, 2021 [Cevap Gönder](#)

@Steve666, they are my entry targets, for the gartley pattern they are a 1.272 extension of the BA and for cypher they are the .786 retraction of the XC. I normally take a trade when it closes below the line then take profits around the .618 from DC of both patterns. Hope that helps and of course backtest it to find the best strategy for you, this just helps me know when a pattern could be forming through alerts but I already have a lot of experience trading the patterns so I use many other factors to take a trade

[Cevap Gönder](#)

 **salsaj** **Premium** · May 7, 2021 [Cevap Gönder](#)

@LixxChartz, thank you for providing this indicator. Just recently discovered Harmonic Patterns and appreciate that yours come with a suggested entry point. Could the alert provide if the pattern is bullish or bearish? I would like to create a trading bot, after I learn how to trade these patterns. Thanks again for your contribution!

• 1 ▲ Cevap Gönder



LixxChartz · May 7, 2021

@saltas, I wouldn't use this indicator for a bot, there are some bugs in the alerts. I use to just so that I don't have to watch the charts all of the time, and can get alerts when there are possible setups. Also, I could make it bullish or bearish, but I had too many alerts for my subscription LOL. If you wanted I could change the script and make another one just for your alerts, just message me.

• 1 ▲ Cevap Gönder



Artoshi-nakamoto · Mar 25

set up is the entry point?

▲ Cevap Gönder



azmank PRO · Ago 20, 2021

sorry a newbie here just wonder the red line indicate entry point for buy or sale?

▲ Cevap Gönder

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