## <+> Product overview



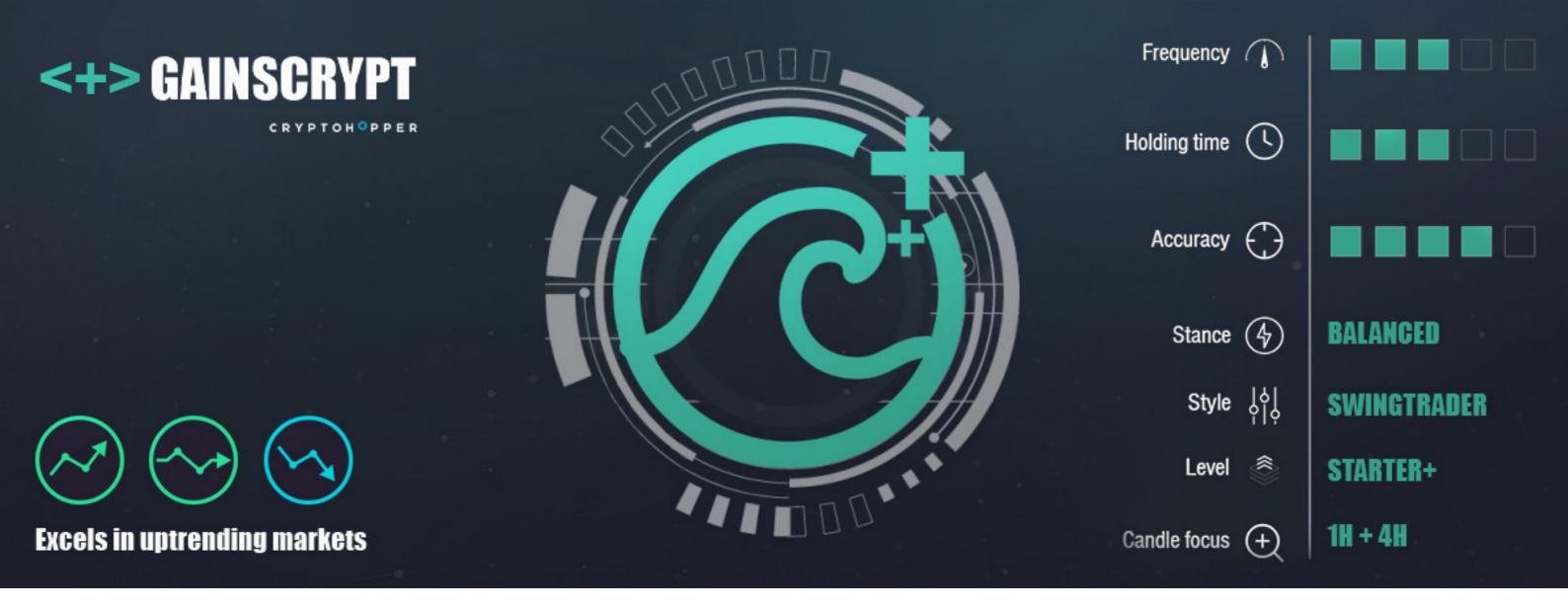
CORE

**HERO** 

Version

4.2





### **Description**

Powerful and accurate, this well rounded swing strategy buys local bottoms for bigger trades. And gives regular signals in strong uptrending markets. Strategy aims for one to multi-day positions yielding bigger profits. Combines trailing stop-loss with 'sell on strategy' to get the most out of each trade. Designed to work well with DCA, but is also proprofitable with stop-loss. More trades with more volatility, usually a few signals per week per coin when downtrending, daily signals when uptrending. Very well-geared to pick up local dumps and pumps to turn quick & nice profits.

### **Goal & when to deploy**

All-round strategy that does not need a lot of supervision. However, best not to deploy in a macro-bear market when using DCA.

#### **Coins**

All spot-market coins.

#### **Base currencies**

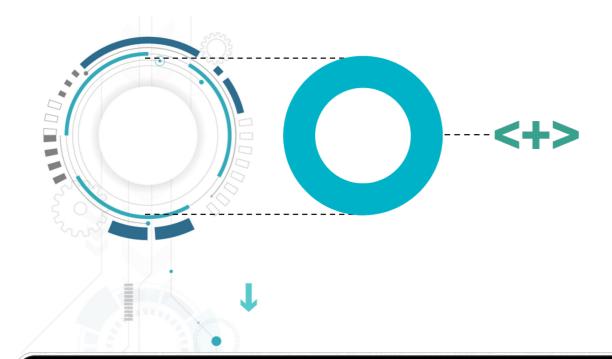
USDT, USDC, EUR, USD, DAI, BUSD, BTC

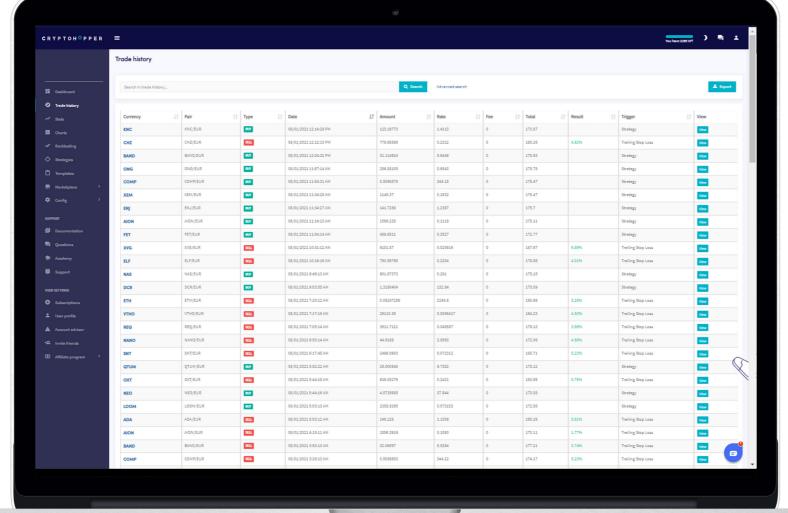
### **Exchanges**

ΑII









Auto update Make sure the 'auto-update' switch is ON (when viewing the item in the marketplace).

### **Products**





## <+> Script Architecture





## **Signal structure [Buys]**

Condition(s) indicators						
Trend, support, strength & volatility						
Signal indicators						
E.g. momentum, increase in buying pres- sure or volume						
Tringers						
Triggers						
Uptick in price or volume						
:::						
Confirmation						
E.g. momentum, volume						



## Signal structure [Sells]

# **Condition(s) indicators** Breaking with trend or support, or weakening of trend. **Signal indicators** E.g. momentum, decrease in buying pressure or volume, resistance bounce **Triggers** Downtick in price or volume **Confirmation (optional)** E.g. momentum, volume

Gainscrypt strategies are built with carefully selected indicators with a layered approach. Of course, we can't share the secret sauce. However, we can lift a tip of the veil by describing how the strategies are schematically laid out.

Selected indicators are clustered together, with each serving a specific role across multiple timeframes.

A. The first cluster of indicators measures if overall trend, strenght & volatility are safe enough to make a trade.

B. The second cluster will signal a potential imminent entry. This may be a shift in momentum, buying pressure, increase of volume or the presence of an ongoing uptrend.

C. The actual buy signal will then be defined by an uptick on a small timeframe to ensure maximum precision upon entry. The signal will flash long enough for the bot to respond.

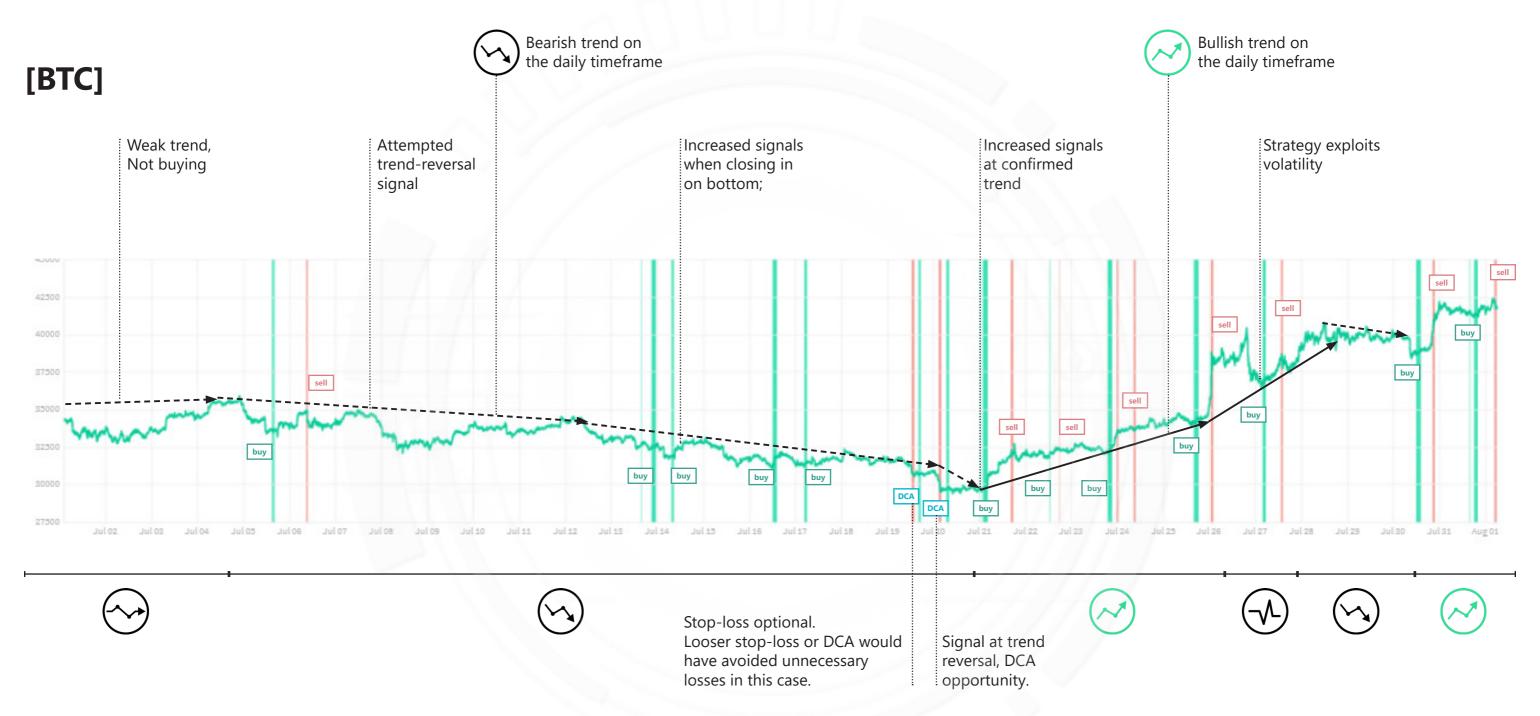
D. Depening on the trading style, the algorithm will then look for additional confirmations, comparable to cluster B.

Sell signals have a comparable structure. However, the difficulty to sell will vary per strategy. For example, targeted scalping will have stricter entries and slightly easier exits as it aims for smaller profits. Conversely, an accumulation strategy will only sell at macro tops.

## <+> How this strategy works







Backtest Result

Max profit: 8.04 %

Strategy: [GAINSCRYPT] Wave gainer STRATEGY 4.2 (Hero)

Stop-loss percentage: 6 %

Trailing stop-loss: 1 %

Arm trailing stop-loss at: 4 %

Trailing stop-buy: Disabled

Succesful sells: 116 (72.05 %)

Sells with loss: 45 (27.95 %)

Average holding time: 2 day(s)

#### Paper Trading Results 23/7/21 - 6/9/21 - Bitvavo EUR CURRENT PROFIT: @ 6917.02 EUR (69.17%) reset | info As the template has a percentage buy amount of 1.5% per trade with max. 40 positions. Disregarding DCA positions, your liquidity maintain approx. 33% in an uptrend. These funds can of course also be used for trading to increase trade activity, in which case a TOTAL EUR IN ASSETS ON EXCHANGE: @ separate config pool with stop-loss is recommended. Œ (Not in this testing period) 16,917.02 (69.17%) Startbalance: 10,000 edit **BUYS AND SELLS ALLOCATION OF FUNDS PROFIT STATS EUR INVESTMENT** 12793.65 EUR RETURNS: 6932.21 CURRENT EUR IN POSITIONS: -66.71 FEES IN EUR: 0.00 PROFITS BASED ON SELLTRIGGERS PROFITS BASED ON BUY TRIGGERS **DAILY PROFITS**

Buys

Profit 1

Sell signals are turned on in our hopper. Average sell signals are negative as it prevents from positions falling lower.

Sells

574

Trigger

Strategy

Profit 1

29.10 %

5.08 %

Trigger

## Paper Trading Results 23/7/21 - 6/9/21 - Bitvavo EUR



c

MOST TRADED COINS

CURRENT PROFIT: @

6917.02 EUR (69.17%)

reset | info



Paper trade uses default settings for the Wave Gainer Template, but selection of coins has been topped up to 75 during this Real performance might deviate slightly as transaction fees are not taken into account. Example, if your transaction fee of your exchange is 0.1%, then rougly deduct 0.2% from the entire trade from the avere profits. In this case this would be 3.97%.

**AVERAGE PROFITS PER COIN** 

TOTAL EUR IN ASSETS ON EXCHANGE: @

16,917.02 (69.17%)

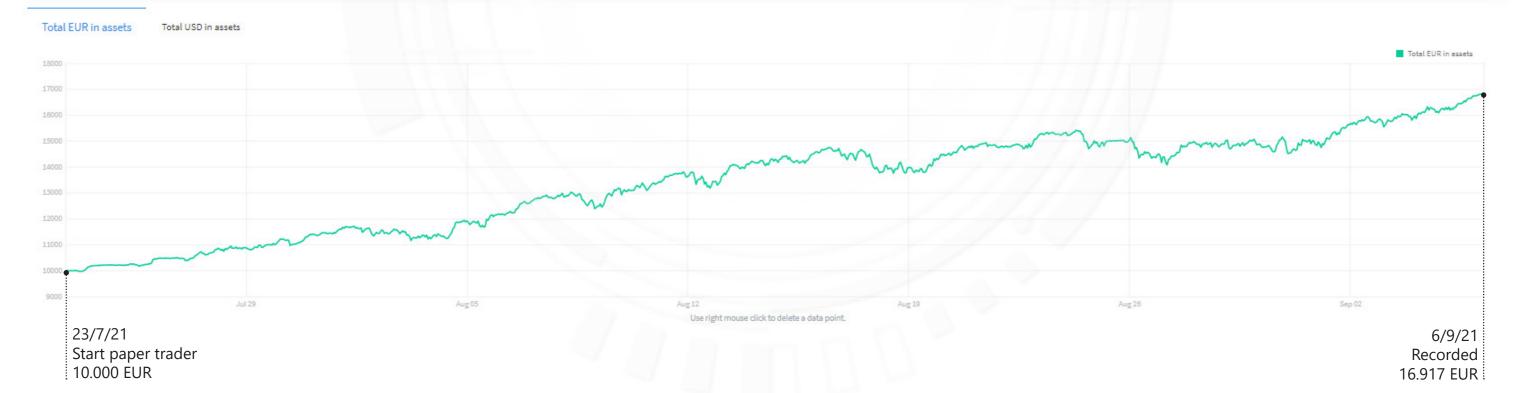
Startbalance: 10,000 edit

Average holding time:	
1 day	

1 day					
Coin	II	Time #			
VET		13 hours			
UNI		14 hours			
SXP		16 hours			
POWR		18 hours			
AAVF		19 hours			



Coin	Trades ↓ F	Percent 1
AAVE	35	2.46%
FET	32	2.25%
STORJ	31	2.18%
BAND	29	2.04%
MKR	27	1.90%
KEM	27	1.90%
EOS	26	1.83%



## <+> Quick guide on back-test interpretation



#### General

ALWAYS be wary when marketplace sellers show results and especially when there are NO results. Always perform a couple of backtests yourself to confirm that the results align with the sellers claims to see if it checks out - yes, this also counts for Gainscrypt strategies.

### **Paper trading**

Paper trading tends to give a more realistic indication of profitability. Although this may take some time, it is recommended as you will get familiar with the strategy and will get a clearer picture when it buys and sells, frequency and real-life stats. Bear in mind however that real results might still deviate due to transaction fees, slippage or unfilled orders.

#### **Risk-reward ratio**

When judging the winrate% of a strategy, always put it into context. Determine the ratio between stop-loss (SL) and take profit (TP) or trailing stop-loss (TSL). If for example an impressive looking winrate is 90%, but the test used TP at 1% and stop-loss at -10%, then it will take 10 good trades to compensate for 1 bad trade. In this example, a **90% winrate is therefore still a net-loss.** 

In most cases, Gainscrypt uses a risk/reward of approx. 1:1 or a slightly bigger reward. Then 1 good trade rougly equals 1 bad trade. This way, a 70% winrate is profitable.

In some cases, when a backtest is shown without a stop-loss it will give a 100% accuracy which of course is not the case. Then this means in reality there might be **losing** unclosed positions. For an accumulation or bottom-buyer strategy it may make sense not to use a stop-loss (also in back-test), but not for a more agressive short-term focused scalp strategy.

### **Dollar Cost Averaging (DCA) and stop-loss**

For some larger time-frame strategies (e.g. accumulation or swingtrade strategies) it can be beneficial to use Dollar Cost Averaging. DCA means doubling (or more) a losing position to reduce the average buying price. However, be cautious! Generally recommended to only use DCA for top-projects *or* when given coin is in a clear uptrend. Also, be aware of which strategies you combine with DCA. A scalping strategy for example is typically not designed for DCA. For simplicity's sake, Gainscrypt usually present tests with stop-losses to reveal actual accuracy of the signal.

The advantage of stop-loss is a clear risk containment. The disadvantage is that a premature buy signal that would have been profitable might get knocked out by a stop-loss because of a volatile downswing. Therefore some strategies contain indicators that avoid buying into overly volatile markets. Ofcourse, setting a wider stop-loss might increase your winrate, but also negatively impacts your Risk-reward ratio.



### **Cool-down & max positions**

Strategies may flash signals multiple times in a shorter timeframe. If your config has a cool-down or has a max. positions per coin, then this does not mean there are multiple trades. In most cases, the first signal is the actual signal that your hopper acts upon. This may lead to a higher or lower winrate%. Although the winrate is still an indication - double check this.

Succesful sells: 79 (76.70 %)

Sells with loss: 24 (23.30 %)

Average holding time: 8 hour(s)



## <+> Considerations



### **DCA** versus stop-loss

Although DCA may seem appealing, this tool has to be used with caution. It is designed to reduce the average buy-in price when a position is at a loss. The advantage is that DCA can iron-out market inefficiency with a safety trade, such as a momentarily drop in an otherwise healthy uptrend. However, the risk is that in strong downtrending markets you keep buying into a losing position. This will increase the size of the losing position and eventually turn you in a long-term holder. This is more in the 'investing' spectrum than 'trading'. It might work well for top-coins like BTC, ETH or projects you're comfortable holding for a longer time, but not very wise to use for your next sh\*itcoin. Seriously, if you bought at a blow-off top a position can keep going down to below -90%, even with DCA. And lets be honest; you can't expect a scalp signal designed for a +3% profit then to clear your position with profit.. can you? In addition it will block your liquidity to take on new trades.

So, best only use DCA with top-projects you're fundementally familiar with OR are very confident about a strong uptrend. You can do this by creating config pools which each manage risk in a separate way.

### **Holding time & liquidity**

Liquidity in trading means the funds you have available to take on new trades. If you are 100% in positions, this means there is no more liquidity. A low holding time is always favourable as it allows you to make multiple trades within the same timeframe (high liquidity). Swing trading strategies are relatively more accurate and profitable in backtesting, this does not mean it per se beats scalping strategies as scalping - if done well can compound gains faster and is generally geared better for rough market conditions. Can't decide which strategy best fits your style or market conditions? Set up config pools and run multiple strategies! This way you can choose where you apply DCA or stop-loss.

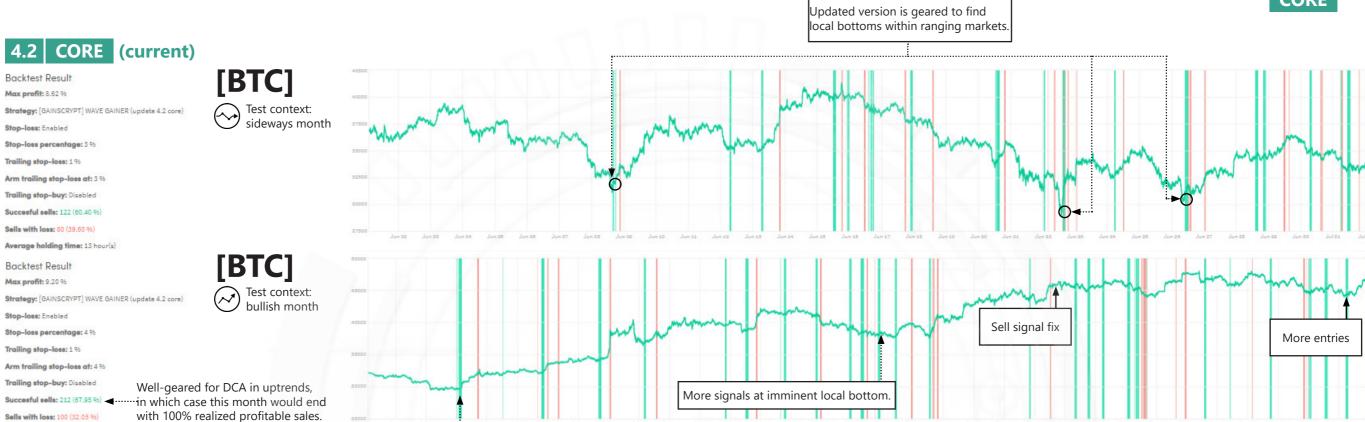


Make no mistake - some crypto's can see a blow-off top which will never repeat and devaluate -99%. Unless you're prepared to 20x your position, you can't be saved with DCA. Be wary of marketplace sellers who tell you to DCA deep into everything and 'be patient until the markets go up'. - this will cost you sooner or later.

## Update comparison - 4.2 vs 3.0 core 1/6/21 - 31/7/21 - Binance

Updated version responds the same way to bullish pumps as its predecessor.







Backtest Result

Max profit: 6.58 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Test contex bullish more

Stop-loss: Enabled

Stop-loss percentage: 4 %

Average holding time: 1 day(s)

Stop-loss percentage: 4 70

Trailing stop-loss: 1 %

Arm trailing stop-loss at: 4 %

Trailing stop-buy: Disabled

Succesful sells: 180 (62.28 %)
Sells with loss: 109 (37.72 %)

Average holding time: 1 day(s)

25000 Premature sell signal Missed trade

25000 Jul 19 Jul 20 Jul 21 Jul 22 Jul 23 Jul 24 Jul 25 Jul 26 Jul 27 Jul 28 Jul 25 Jul 30 Jul 31 Aug 01 Aug 02 Aug 03 Aug 04 Aug 03 Aug 04 Aug 05 Aug 09 Aug 10 Aug 11 Aug 12 Aug 13 Aug 14 Aug 15 Aug 15 Aug 16 Aug 17 Aug 18 Aug 19

## Update comparison - 4.2 hero vs 4.2 core 1/6/21 - 31/7/21 - Binance



#### 4.2 CORE

Backtest Result

Max profit: 8.62 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 4.2 core)

Stop-loss: Enabled

Trailing stop-loss: 1 %

Arm trailing stop-loss at: 3 %

Trailing stop-buy: Disabled

Succesful sells: 122 (60.40 %)

Sells with loss: 80 (39.60 %)

Average holding time: 13 hour(s)

Backtest Result

Max profit: 9.20 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 4.2 core)

Stop-loss: Enabled

Stop-loss percentage: 4 %

Trailing stop-loss: 1 %

Arm trailing stop-loss at: 4 %

Trailing stop-buy: Disabled Succesful sells: 212 (67.95 %)

Sells with loss: 100 (32.05 %)

Average holding time: 1 day(s)

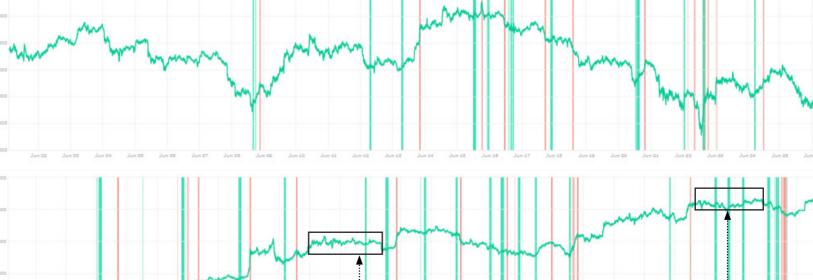


[BTC]

Test context: bullish month

Test context: sideways month





#### 4.2 HERO

**Backtest Result** 

[BTC]

Max profit: 6.89 %

Strategy: [GAINSCRYPT] Wave gainer STRATEGY 4.2 (Hero)

Stop-loss: Enabled

Stop-loss percentage: 3 %

Trailing stop-loss: 1 %

Arm trailing stop-loss at: 3 %

Trailing stop-buy: Disabled

Succesful sells: 106 (65.43 %)

Sells with loss: 56 (34.57 %)

Average holding time: 12 hour(s)

Backtest Result Max profit: 18.73 %

Strategy: [GAINSCRYPT] Wave gainer STRATEGY 4.2 (Hero)

Stop-loss: Enabled

Stop-loss percentage: 4%

Trailing stop-loss: 1%

Arm trailing stop-loss at: 4 %

Trailing stop-buy: Disabled

Succesful sells: 199 (77.43 %)

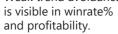
Sells with loss: 58 (22.57 %)



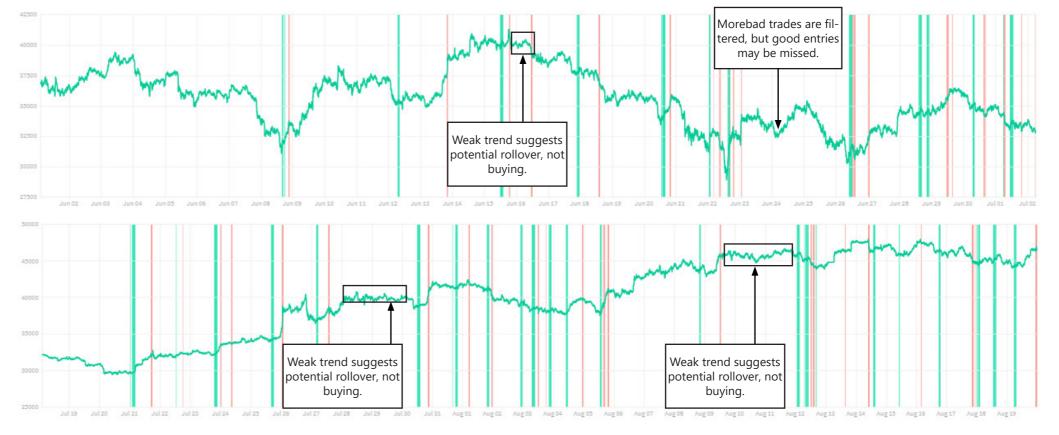












Weak/flat trend can be avoided with hero indicators.





## **Backtests of previous versions.**

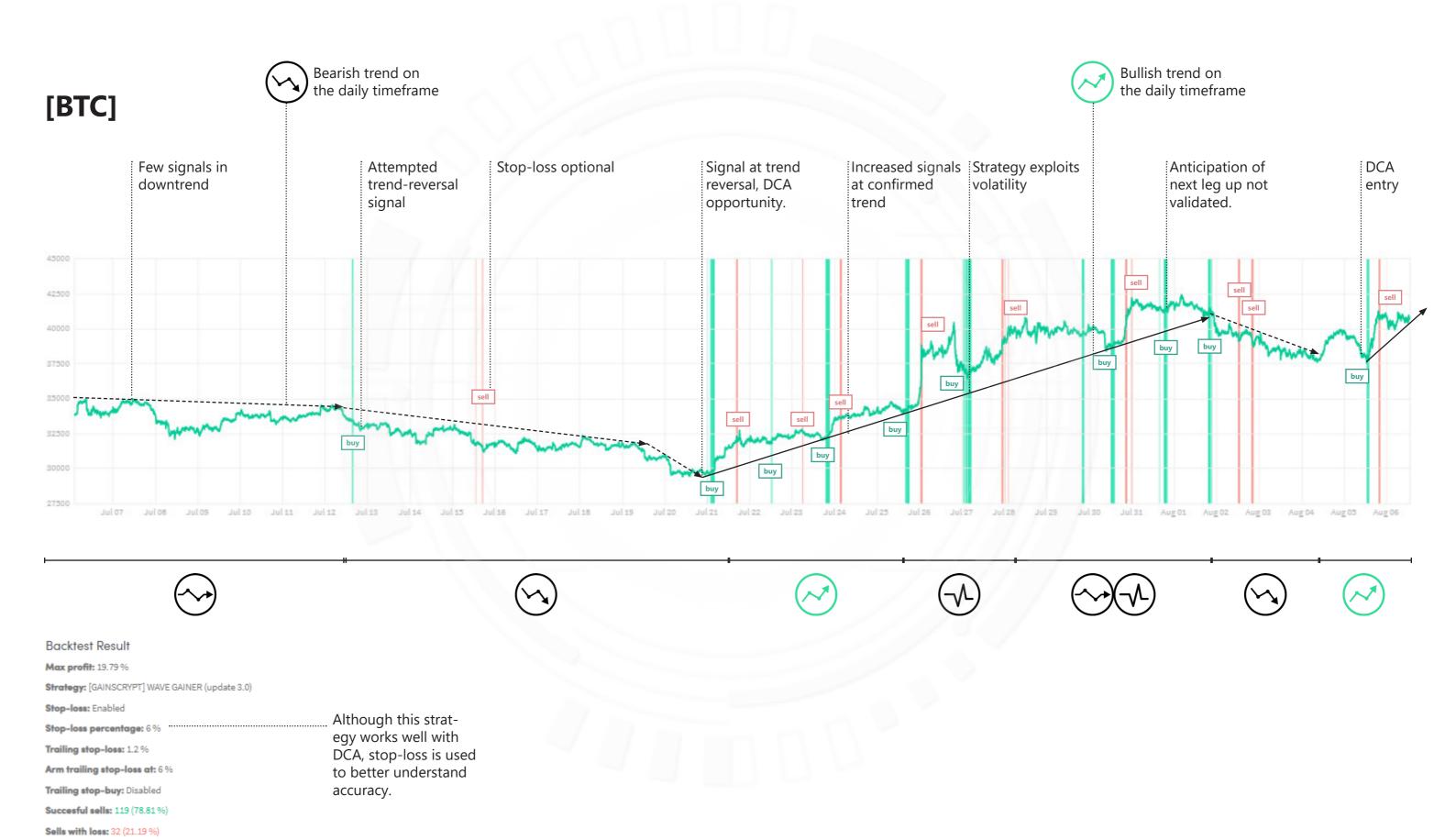
Note: We don't wase old strategies and keep them safely stored in our our strategy vault. Strategies may be reverted to older versions when expected to more profitable in current market conditions.

## <+> How this strategy works

Average holding time: 18 hour(s)







13

## <+> Results 6/7/21 - 6/8/21 - Binance



#### [BTC] **Backtest Result** Max profit: 19.79 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss: Enabled

Stop-loss percentage: 6%

Trailing stop-loss: 1.2 %

Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled

Succesful sells: 119 (78.81 %)

Sells with loss: 32 (21.19 %) Average holding time: 18 hour(s)

**Backtest Result** Max profit: 6.01 %

Stop-loss: Enabled

Trailing stop-loss: 1.2 %

Succesful sells: 103 (85.83 %)

Sells with loss: 17 (14.17 %)

Average holding time: 11 hour(s)



**Backtest Result** Max profit: 7.40 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss: Enabled

Stop-loss percentage: 6 %

Average holding time: 1 day(s)





Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss percentage: 6 %

Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled



Trailing stop-loss: 1.2 %

Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled Succesful sells: 92 (68.66 %)

Sells with loss: 42 (31.34 %)



Ability to exploit volatile upswings within daily downtrend





#### **Backtest Result**

Max profit: 20.70 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss: Enabled

Stop-loss percentage: 6 %

Trailing stop-loss: 1.2 %

Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled Succesful sells: 143 (87.20 %)

Sells with loss: 21 (12.80 %)

Average holding time: 12 hour(s)





## <+> Results 6/7/21 - 6/8/21 - Binance

Version



#### **Backtest Result** Max profit: 25.42 %

### [EGLD]

Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss: Enabled

Stop-loss percentage: 6 %

Trailing stop-loss: 1.2 %

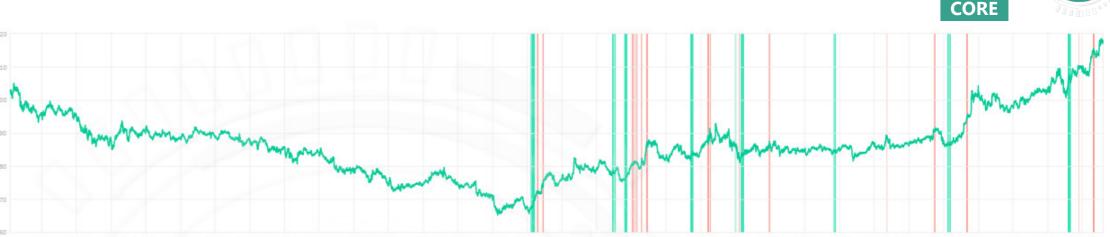
Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled

Succesful sells: 114 (98.28 %)

Sells with loss: 2 (1.72 %)

Average holding time: 15 hour(s)



#### **Backtest Result**

### [BCH]

Max profit: 8.95 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss: Enabled

Stop-loss percentage: 6 %

Trailing stop-loss: 1.2 %

Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled

Succesful sells: 104 (95.41 %)

Sells with loss: 5 (4.59 %)

Average holding time: 20 hour(s)



**Backtest Result** Max profit: 2.33 %

Trailing stop-loss: 1.2 %

Succesful sells: 64 (58.18 %)

Average holding time: 3 day(s)







Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled

Sells with loss: 46 (41.82 %)



**Backtest Result** Max profit: 12.75 %

Strategy: [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss: Enabled

Stop-loss percentage: 6 %

Trailing stop-loss: 1.5 %

Arm trailing stop-loss at: 6 %

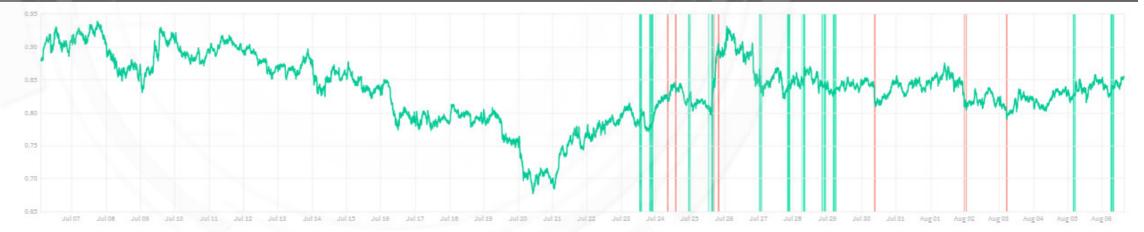
Trailing stop-buy: Disabled

Succesful sells: 237 (100.00 %)

Sells with loss: 0 (0.00 %)

Average holding time: 2 day(s)

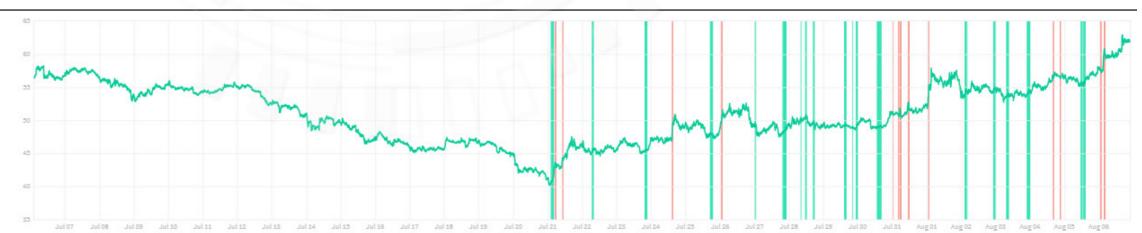




Jul 22

Jul 20 Jul 21

Jul 18 Jul 19



## <+> Summary 6/7/21 - 6/8/21 - Binance



Exchange	Currency	↓↑ Profit ↓	Strategy	\$\frac{1}{3}\$ Stop-loss	Trailing stop-loss	Trailing stop-buy	Succesful sells	Sells with loss	Average holding time	Date
Binance	FIL	12.75 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6.00 %	1.50 % (arm at 6.00 %)	Disabled	237 (100.00 %)	0 (0.00 %)	2 day(s)	08/06/2021 11:18:20 PM
Binance	ALGO	2.33 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6 %	1.2 % (arm at 6 %)	Disabled	64 (58.18 %)	46 (41.82 %)	3 days	08/06/2021 5:08:16 PM
Bitvavo	ВСН	8.95 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6 %	1.2 % (arm at 6 %)	Disabled	104 (95.41 %)	5 (4.59 %)	20 hours	08/06/2021 4:29:28 PM
Binance	EGLD	25.42 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6 %	1.2 % (arm at 6 %)	Disabled	114 (98.28 %)	2 (1.72 %)	15 hours	08/06/2021 4:17:25 PM
Binance	DOT	20.70 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6 %	1.2 % (arm at 6 %)	Disabled	143 (87.20 %)	21 (12.80 %)	12 hours	08/06/2021 3:37:02 PM
Binance	DOGE	7.40 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6 %	1.2 % (arm at 6 %)	Disabled	92 (68.66 %)	42 (31.34 %)	27 hours	08/06/2021 3:31:13 PM
Binance	ВСН	6.01 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6 %	1.2 % (arm at 6 %)	Disabled	103 (85.83 %)	17 (14.17 %)	11 hours	08/06/2021 3:22:09 PM
Binance	ВТС	19.79 %	[GAINSCRYPT] WAVE GAINER (update 3.0)	-6 %	1.2 % (arm at 6 %)	Disabled	119 (78.81 %)	32 (21.19 %)	18 hours	08/06/2021 3:05:09 PM

Market type (daily): Average profit: Winrate %: Avg. holding time: 50/50 bearish then bullish 12.92% 84,04%

**27,875 hours** 

Which strategy is optimized for which market scenario? View here:

https://www.gainscrypt.com/strategyfinder

## <+> Alternative versions





Starting a trade in

Recognition of weak trend,

not opening here.





Backtest Result

Max profit: 19.79 %

**Strategy:** [GAINSCRYPT] WAVE GAINER (update 3.0)

Stop-loss: Enabled

Stop-loss percentage: 6 %

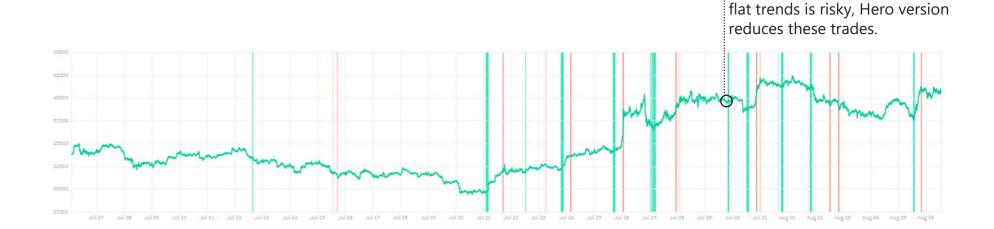
Trailing stop-loss: 1.2 %

Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled Succesful sells: 119 (78.81%)

Sells with loss: 32 (21.19 %)

Average holding time: 18 hour(s)



#### FREE



Backtest Result

Max profit: 5.94 %

Strategy: Wave Gainer Mini STRATEGY (Free) - [GAINSCRYPT]

Stop-loss: Enabled

Stop-loss percentage: 6 %

Trailing stop-loss: 1.2 %

Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled

Succesful sells: 135 (63.68 %)

Sells with loss: 77 (36.32 %)

Average holding time: 3 day(s)

Free version has less accuracy than the Wave Gainer core strategy.

#### **HERO**



Backtest Result

Aax profit: 22.02 %

Strategy: [GAINSCRYPT] Wave gainer STRATEGY 3.2 (Hero)

op-loss: Enabled

Stop-loss percentage: 6%

Trailing stop-loss: 1.2 %

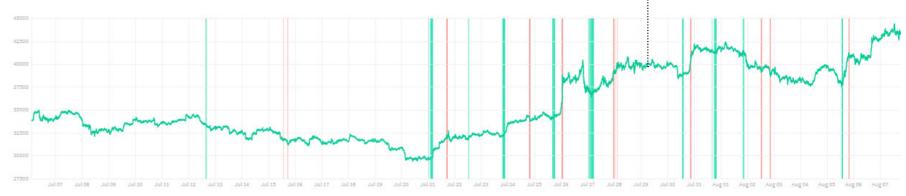
Arm trailing stop-loss at: 6 %

Trailing stop-buy: Disabled

Succesful sells: 102 (80.95 %)

Sells with loss: 24 (19.05 %)

Average holding time: 21 hour(s)



Hero version has an additional weak trend filter, resulting in a slight increase in accuracy than the Wave gainer core strategy.

## <+> Strategies & market optimization matrix

























## **Bear market strategies**













Gainscrypt is NOT a financial advisor. Any suggestions or recommendations by our support team should therefore never be interpreted as financial advice. Gainscrypt is not liable/responsible for losses in any way and it is the user's sole responsibility to make personal investment/trading decisions. All tools, templates, strategies provided are to be used with caution and expertise.

All strategies are regularly backtested, but as markets change, so can the results.

Past performance does not guarantee future succes.



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See you there!